

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058848.D
 Acq On : 18 Oct 2019 10:43
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 18 23:54:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	445787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	713057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	677694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	351051	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	939907	149.25	ug/l	0.00
Spiked Amount			Recovery	=	298.50%	
35) Dibromofluoromethane	7.57	113	689838	154.77	ug/l	0.00
Spiked Amount			Recovery	=	309.54%	
50) Toluene-d8	10.08	98	2703236	152.31	ug/l	0.00
Spiked Amount			Recovery	=	304.62%	
62) 4-Bromofluorobenzene	12.40	95	1068818	159.97	ug/l	0.00
Spiked Amount			Recovery	=	319.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	809867	146.169	ug/l	100
3) Chloromethane	2.04	50	976956	146.650	ug/l	100
4) Vinyl Chloride	2.17	62	1032591	155.783	ug/l	100
5) Bromomethane	2.51	94	598554	146.699	ug/l	97
6) Chloroethane	2.67	64	537029	130.637	ug/l	100
7) Trichlorofluoromethane	2.99	101	1212192	150.752	ug/l	99
8) Diethyl Ether	3.39	74	443525	152.551	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	662982	146.594	ug/l	99
10) Methyl Iodide	3.92	142	952250	155.456	ug/l	100
11) Tert butyl alcohol	4.76	59	863524	839.710	ug/l	99
12) 1,1-Dichloroethene	3.71	96	664762	154.594	ug/l	98
13) Acrolein	3.58	56	643429	796.246	ug/l	98
14) Allyl chloride	4.29	41	1377423	158.003	ug/l	98
15) Acrylonitrile	4.96	53	2157724	833.256	ug/l	99
16) Acetone	3.79	43	2328032	855.368	ug/l	100
17) Carbon Disulfide	4.03	76	2128005	153.845	ug/l	100
18) Methyl Acetate	4.30	43	1053955	158.608	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	2423583	157.953	ug/l	99
20) Methylene Chloride	4.52	84	777271	143.284	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	739097	153.778	ug/l	96
22) Diisopropyl ether	5.92	45	2773572	163.301	ug/l	94
23) Vinyl Acetate	5.87	43	9909676	722.852	ug/l #	87
24) 1,1-Dichloroethane	5.82	63	1471928	152.854	ug/l	99
25) 2-Butanone	6.81	43	3198611	832.750	ug/l	98
26) 2,2-Dichloropropane	6.80	77	1265580	144.129	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	842018	149.888	ug/l	100
28) Bromochloromethane	7.17	49	480734	143.751	ug/l	99
29) Tetrahydrofuran	7.19	42	2036220	828.302	ug/l	100
30) Chloroform	7.35	83	1439550	148.343	ug/l	99
31) Cyclohexane	7.63	56	1404486	152.006	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	1262957	153.065	ug/l	99
36) 1,1-Dichloropropene	7.77	75	1138048	156.292	ug/l	100
37) Ethyl Acetate	6.90	43	1250335	167.931	ug/l	99
38) Carbon Tetrachloride	7.75	117	1110042	156.454	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1368099	162.791	ug/l	98
40) Benzene	8.02	78	3217258	153.510	ug/l	97
41) Methacrylonitrile	7.19	41	1817092	537.865	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	1209659	150.430	ug/l	99
43) Isopropyl Acetate	8.15	43	2060551	163.726	ug/l	100
44) Trichloroethene	8.82	130	794550	153.507	ug/l	99
45) 1,2-Dichloropropane	9.10	63	885165	157.551	ug/l	100
46) Dibromomethane	9.20	93	555922	156.604	ug/l	99
47) Bromodichloromethane	9.39	83	1164549	160.759	ug/l	100
48) Methyl methacrylate	9.19	41	991747	173.343	ug/l	98
49) 1,4-Dioxane	9.19	88	316988	3560.938	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	5158737	724.964	ug/l #	84
52) Toluene	10.15	92	2029726	158.679	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	1384679	166.784	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1454800	164.794	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	783775	149.611	ug/l	99
56) Ethyl methacrylate	10.43	69	1379050	180.181	ug/l	99
57) 1,3-Dichloropropane	10.70	76	1407787	157.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	2832682	782.529	ug/l	99
59) 2-Hexanone	10.75	43	4247097	769.943	ug/l	87
60) Dibromochloromethane	10.90	129	897167	165.862	ug/l	99
61) 1,2-Dibromoethane	11.00	107	840028	159.962	ug/l	99
64) Tetrachloroethene	10.62	164	694005	145.479	ug/l	99
65) Chlorobenzene	11.43	112	2111804	152.552	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	796288	155.417	ug/l	99
67) Ethyl Benzene	11.51	91	3654459	148.133	ug/l #	87
68) m/p-Xylenes	11.62	106	2927144	316.281	ug/l	79
69) o-Xylene	11.95	106	1423537	159.160	ug/l	92
70) Styrene	11.96	104	2444476	166.837	ug/l	100
71) Bromoform	12.13	173	666040	176.166	ug/l #	99
73) Isopropylbenzene	12.25	105	3587471	140.074	ug/l	94
74) N-amyl acetate	12.07	43	1943671	167.577	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1278769	150.358	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1775652	224.744	ug/l #	100
77) Bromobenzene	12.53	156	919008	147.252	ug/l	99
78) n-propylbenzene	12.59	91	4075675	136.384	ug/l	93
79) 2-Chlorotoluene	12.68	91	2664951	143.711	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	3172582	145.099	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.30	75	495837	168.448	ug/l	97
82) 4-Chlorotoluene	12.78	91	2794458	146.918	ug/l	98
83) tert-Butylbenzene	13.00	119	2773433	148.100	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3174823	146.064	ug/l	94
85) sec-Butylbenzene	13.17	105	3569280	144.495	ug/l	95
86) p-Isopropyltoluene	13.29	119	3286609	146.765	ug/l	95
87) 1,3-Dichlorobenzene	13.29	146	1721885	150.120	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	1722139	147.473	ug/l	99
89) n-Butylbenzene	13.62	91	3136120	151.418	ug/l	93
90) Hexachloroethane	13.88	117	662214	163.619	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1673982	149.431	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	298095	149.648	ug/l	96

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QLast Update : Fri Oct 18 23:49:30 2019
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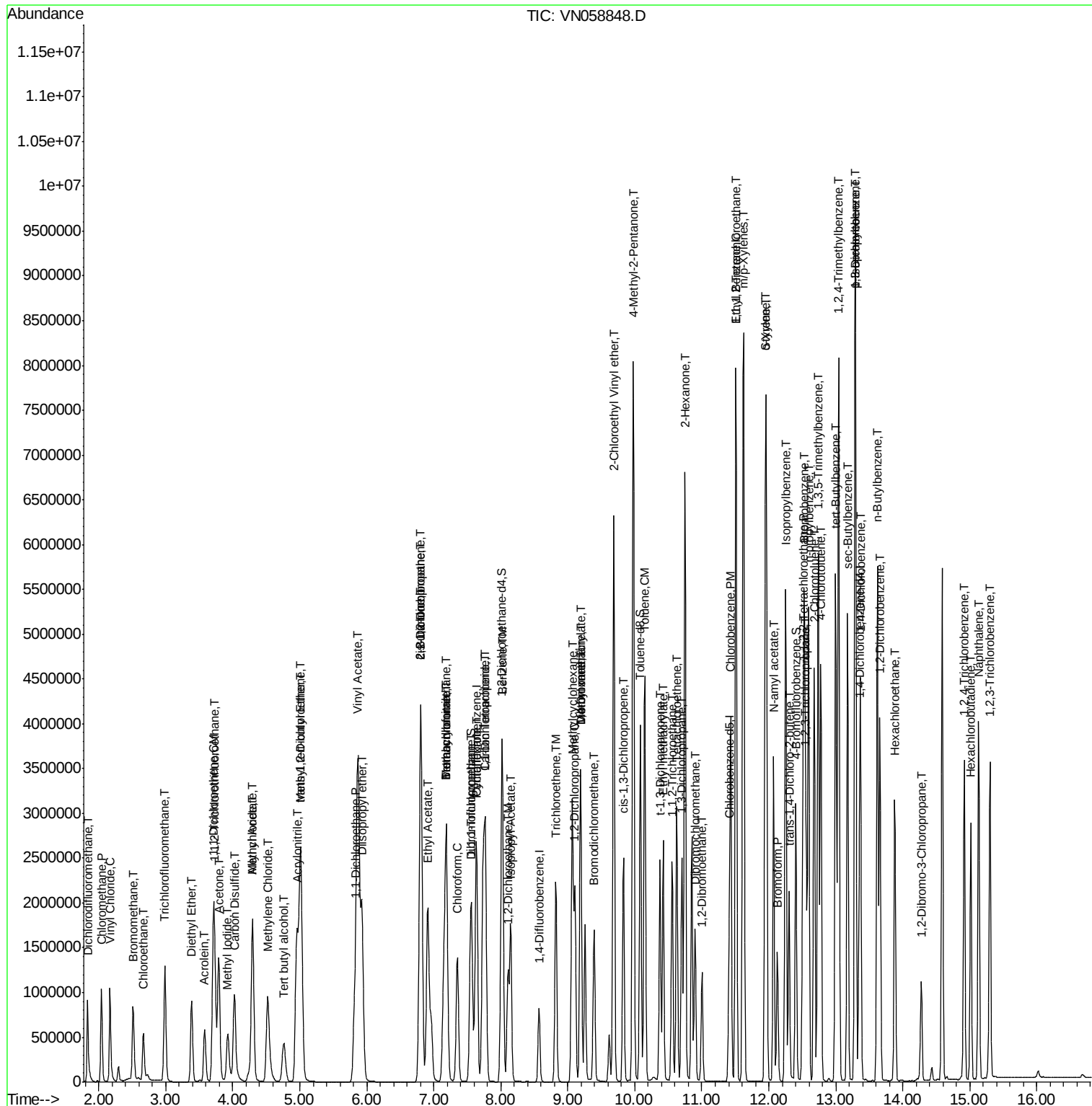
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	1111462	164.149	ug/l	99
94) Hexachlorobutadiene	15.01	225	532933	148.101	ug/l	99
95) Naphthalene	15.13	128	3139766	161.691	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	1078108	162.752	ug/l	100

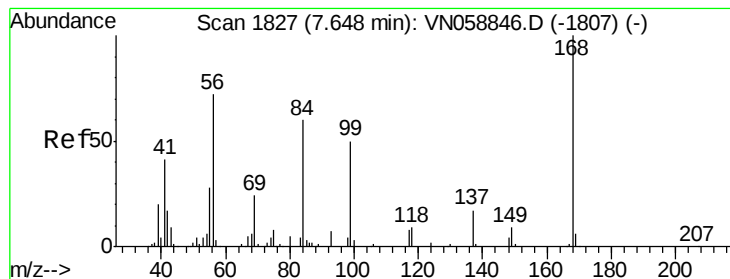
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

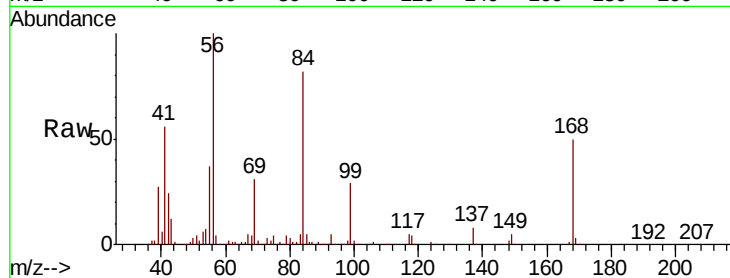
VSTDIC150

Tot Ion:168 Resp: 445787

Ion Ratio Lower Upper

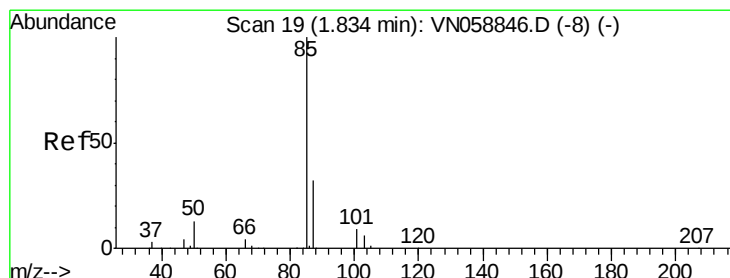
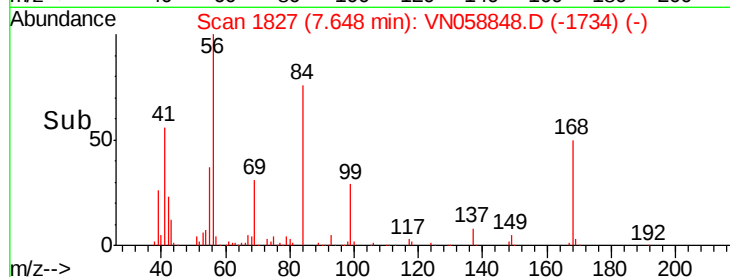
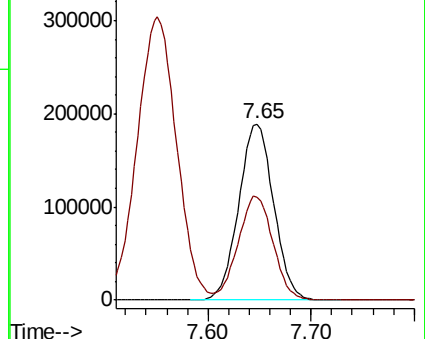
168 100

99 58.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 146.169 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058848.D

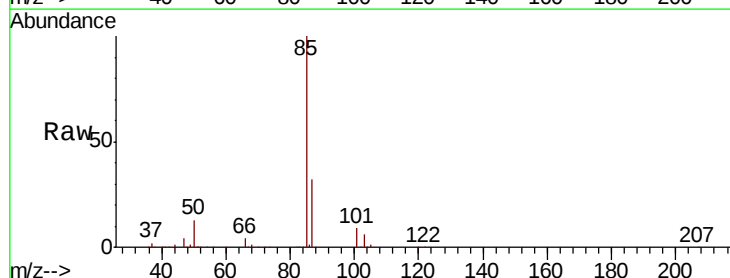
Acq: 18 Oct 2019 10:43

Tgt Ion: 85 Resp: 809867

Ion Ratio Lower Upper

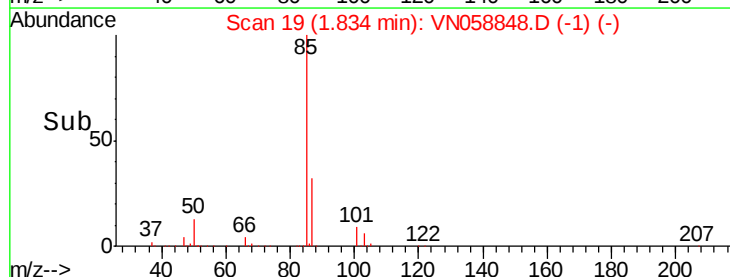
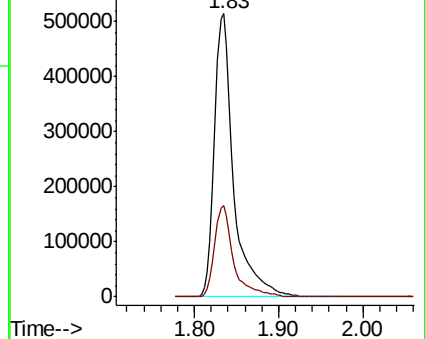
85 100

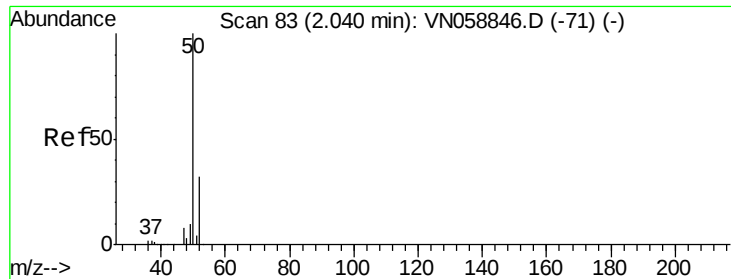
87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 146.650 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

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ClientSampleId :

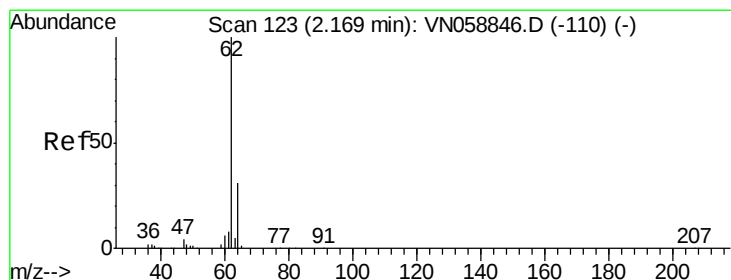
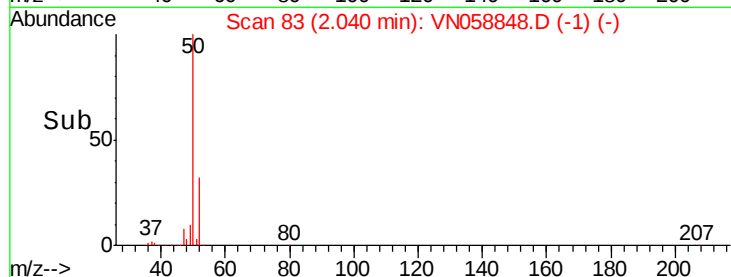
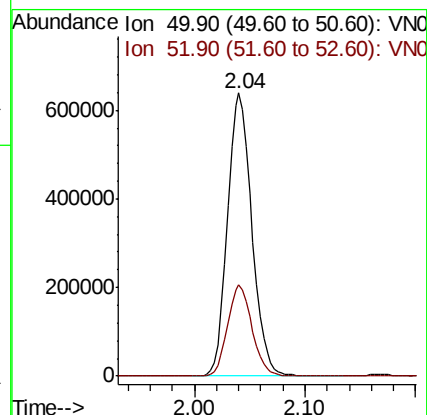
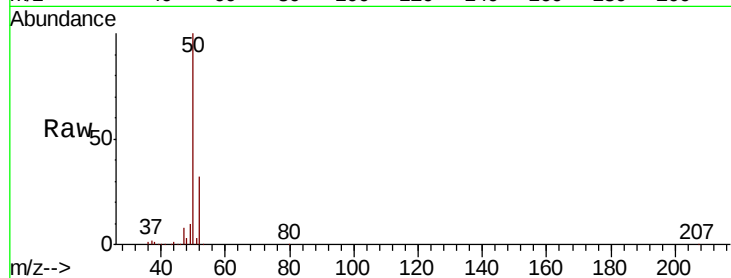
VSTDIC150

Tot Ion: 50 Resp: 976956

Ion Ratio Lower Upper

50 100

52 32.2 25.7 38.5



#4

Vinyl Chloride

Concen: 155.783 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058848.D

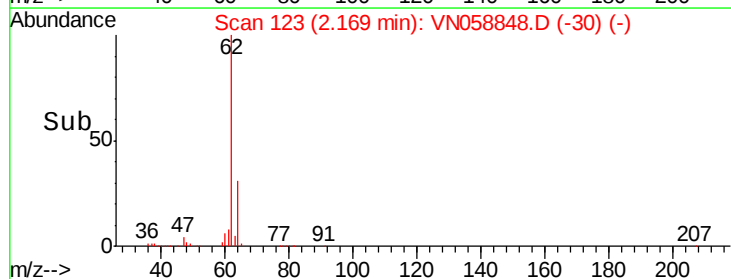
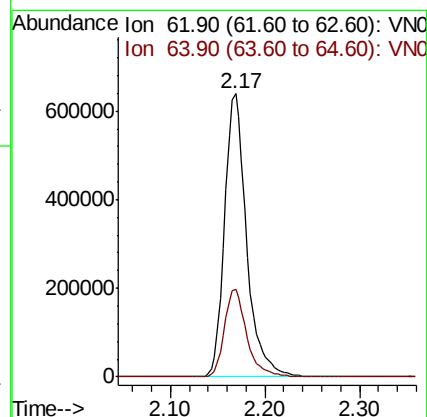
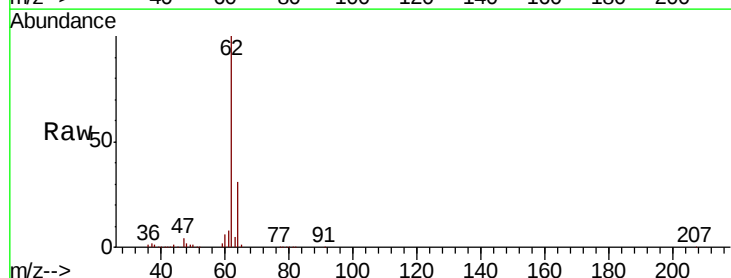
Acq: 18 Oct 2019 10:43

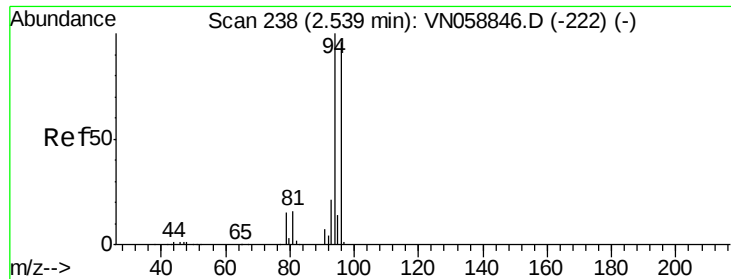
Tgt Ion: 62 Resp: 1032591

Ion Ratio Lower Upper

62 100

64 30.9 24.6 36.8





#5

Bromomethane

Concen: 146.699 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.03 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

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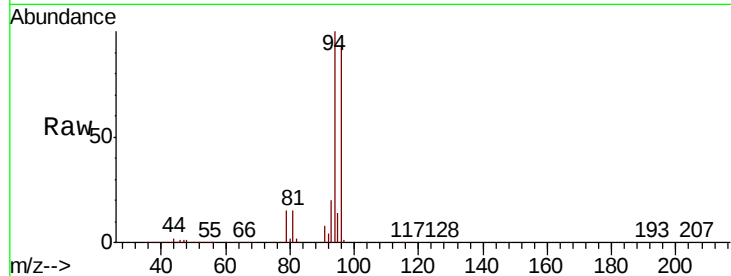
VSTDIC150

Tot Ion: 94 Resp: 598554

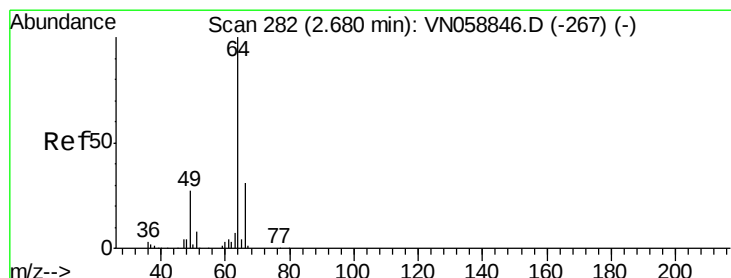
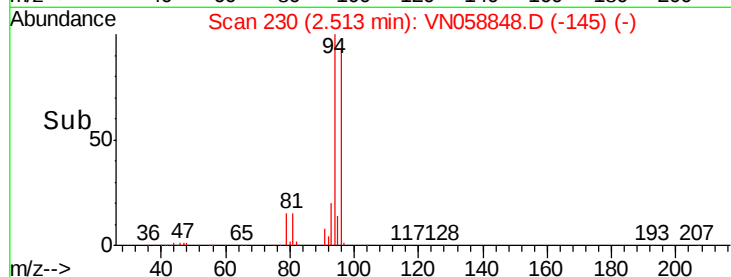
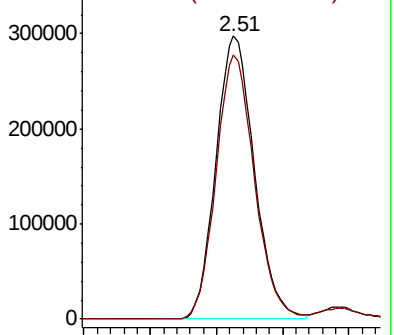
Ion Ratio Lower Upper

94 100

96 93.2 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 130.637 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN058848.D

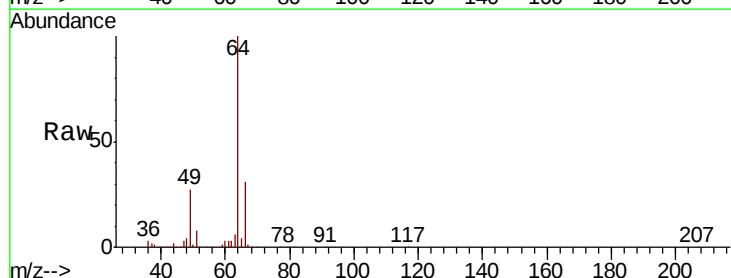
Acq: 18 Oct 2019 10:43

Tgt Ion: 64 Resp: 537029

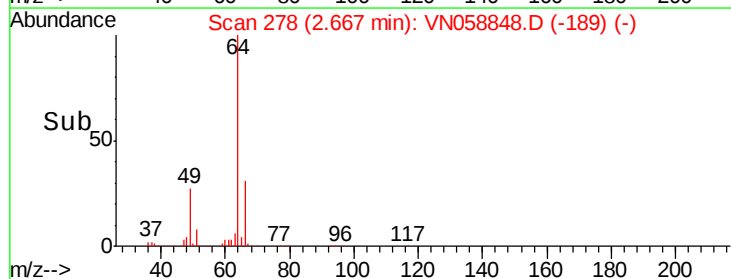
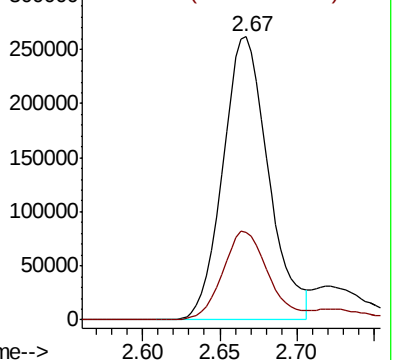
Ion Ratio Lower Upper

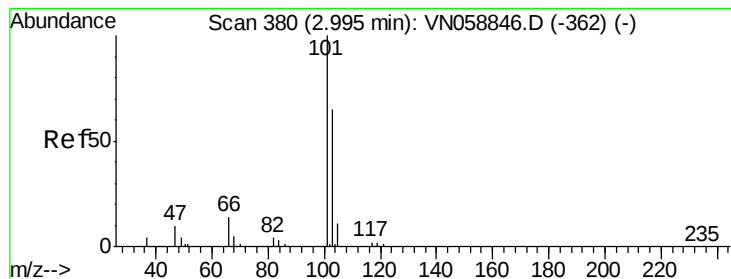
64 100

66 31.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



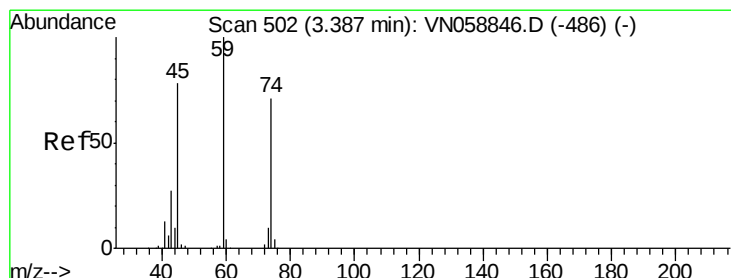
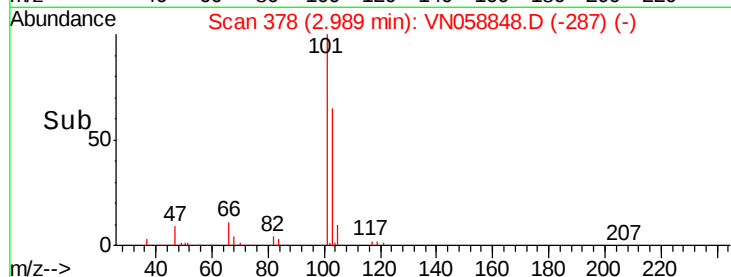
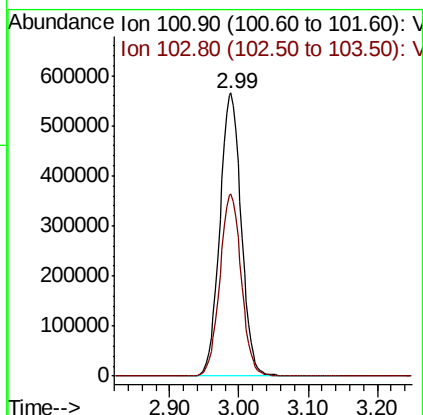
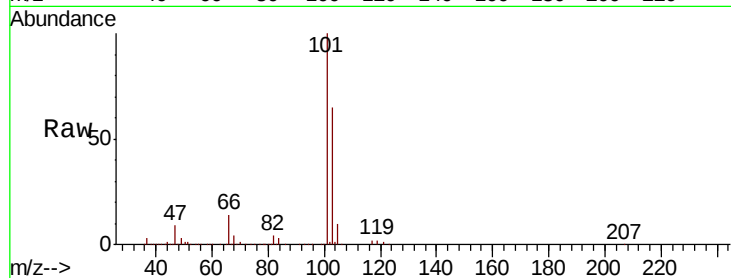


#7

Trichlorofluoromethane
 Concen: 150.752 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VN058848.D
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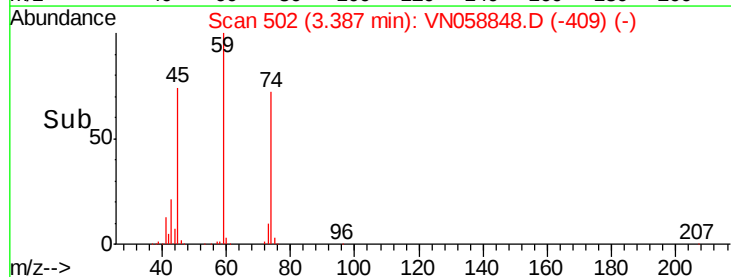
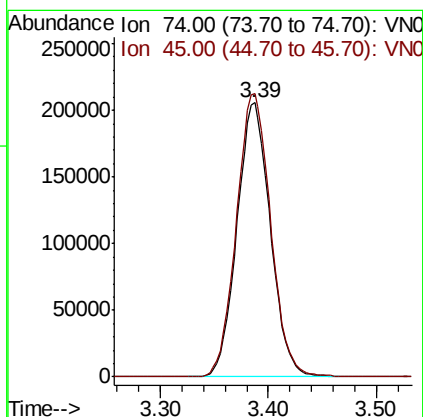
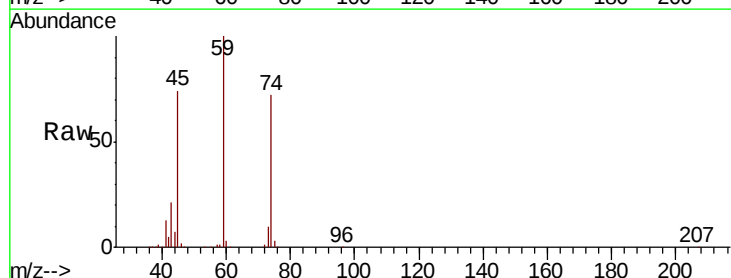
Tot Ion:101 Resp: 1212192
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.2 78.2

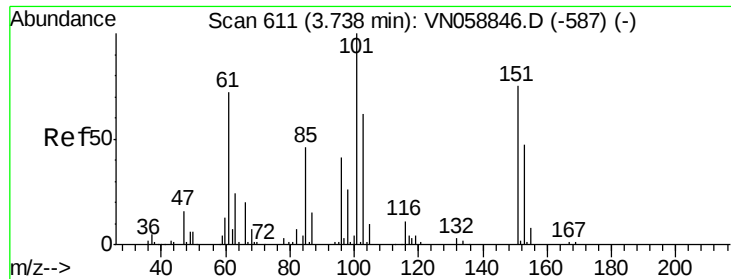


#8

Diethyl Ether
 Concen: 152.551 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Tgt Ion: 74 Resp: 443525
 Ion Ratio Lower Upper
 74 100
 45 105.3 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 146.594 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

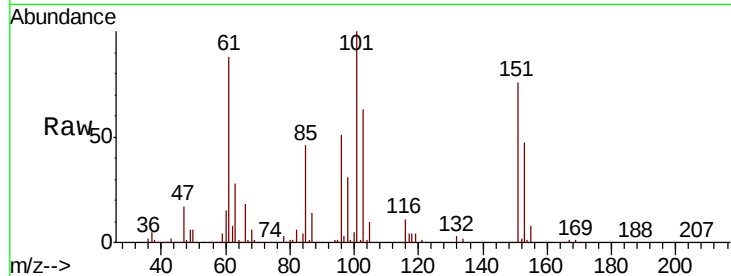
Tot Ion:101 Resp: 662982

Ion Ratio Lower Upper

101 100

85 46.0 37.2 55.8

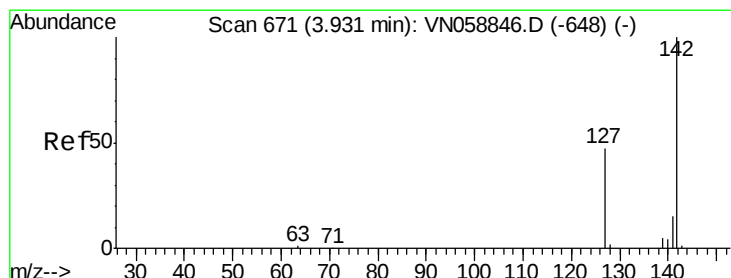
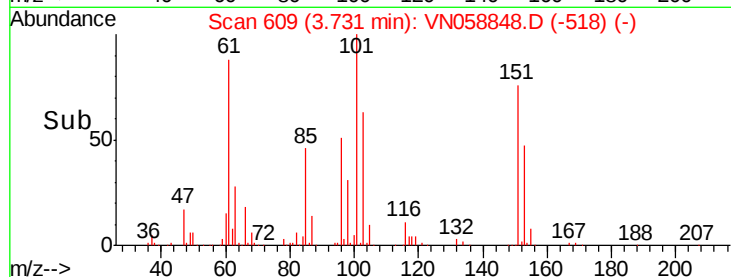
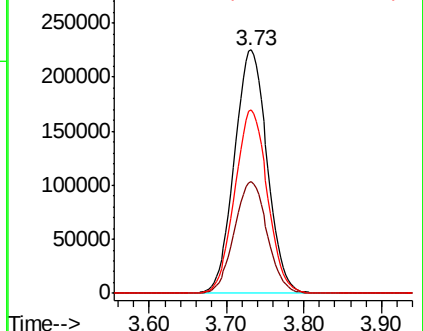
151 75.2 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 155.456 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.01 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

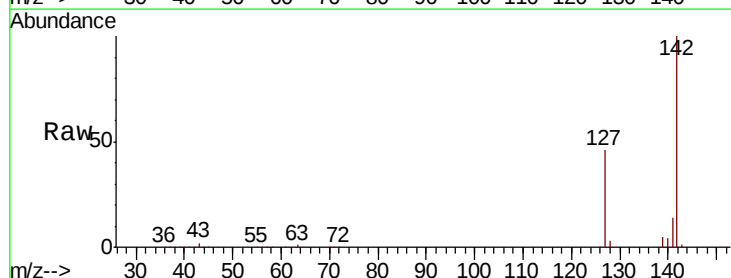
Tgt Ion:142 Resp: 952250

Ion Ratio Lower Upper

142 100

127 45.6 36.6 54.8

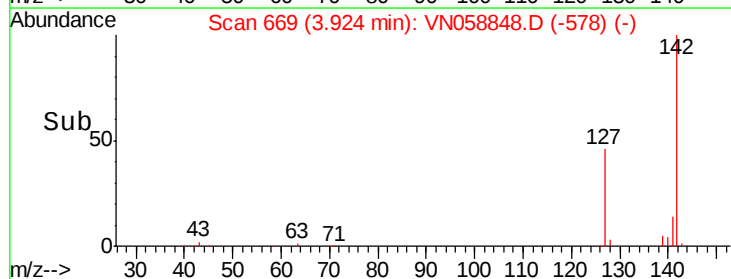
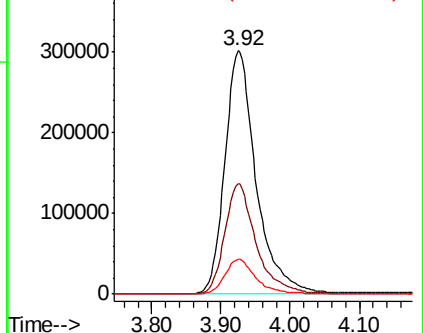
141 14.3 11.4 17.2

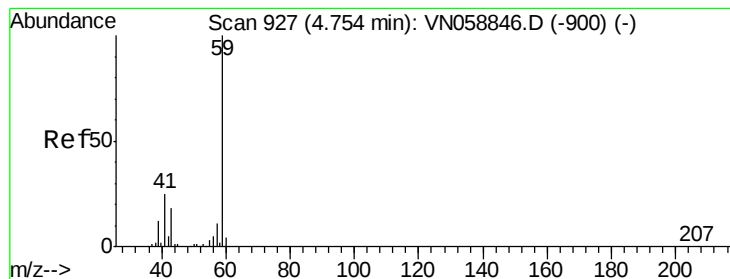


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



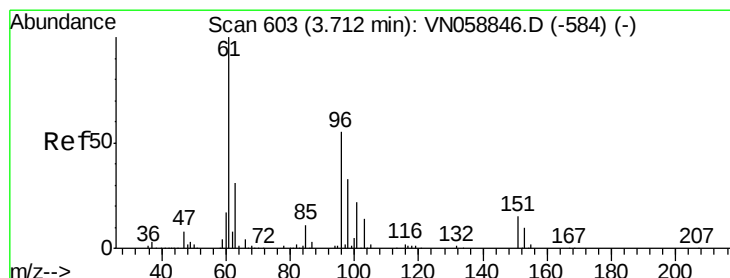
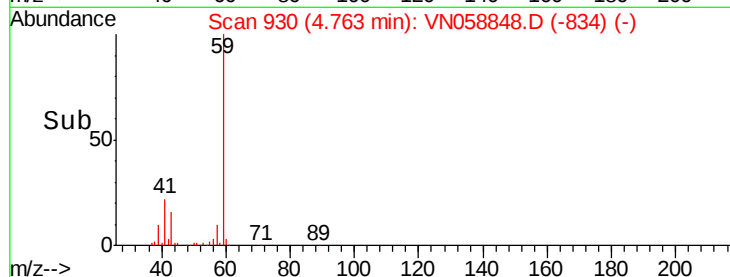
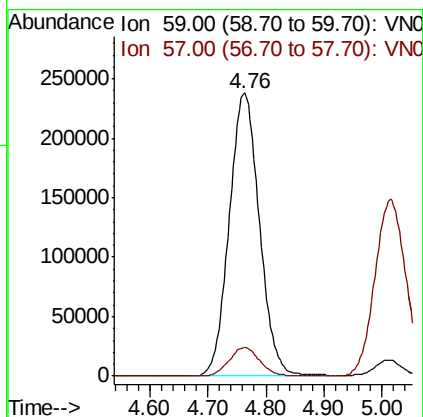
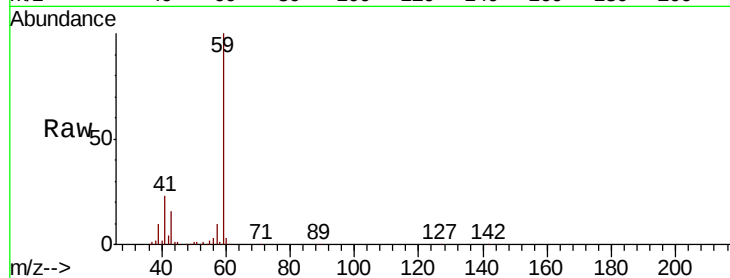


#11

Tert butyl alcohol
Concen: 839.710 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

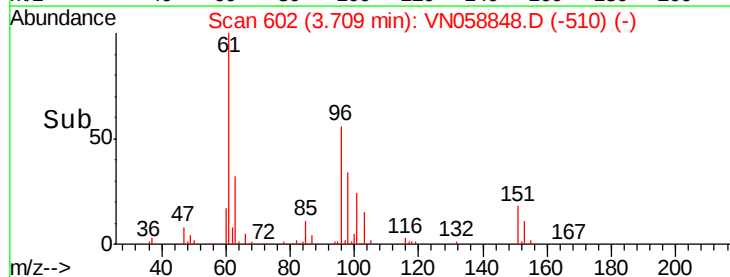
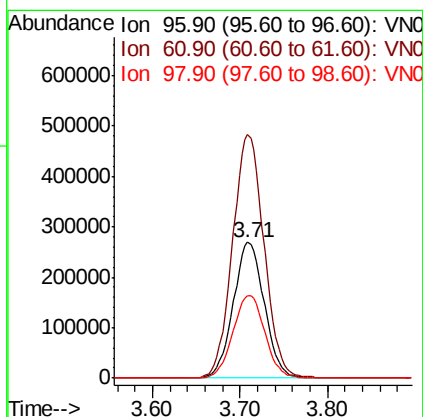
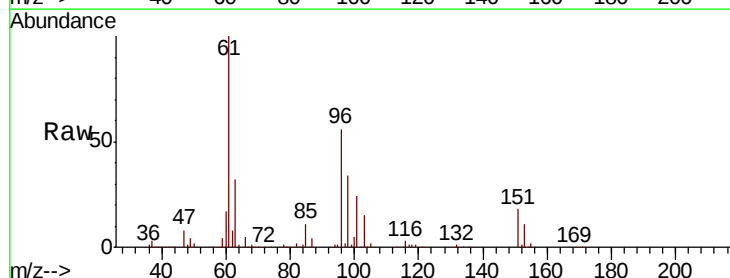
Tot Ion: 59 Resp: 863524
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8

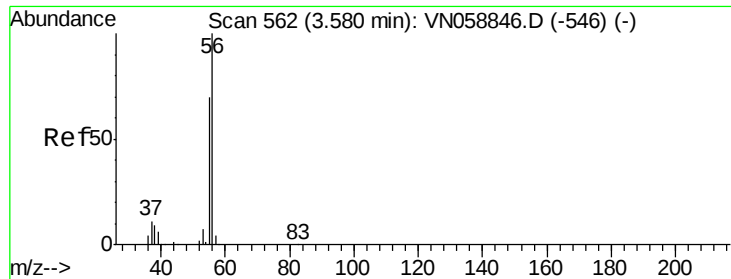


#12

1,1-Dichloroethene
Concen: 154.594 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 96 Resp: 664762
Ion Ratio Lower Upper
96 100
61 179.6 146.2 219.2
98 60.8 48.7 73.1





#13

Acrolein

Concen: 796.246 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

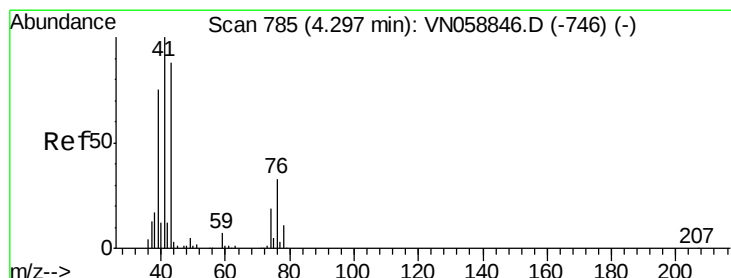
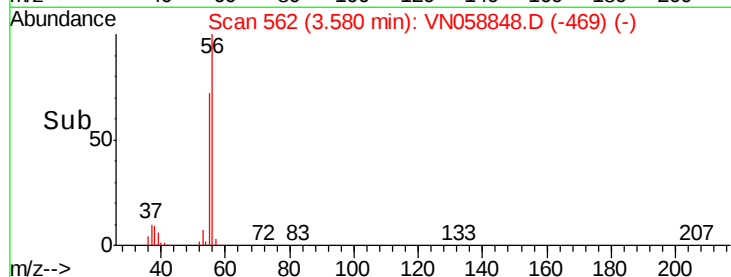
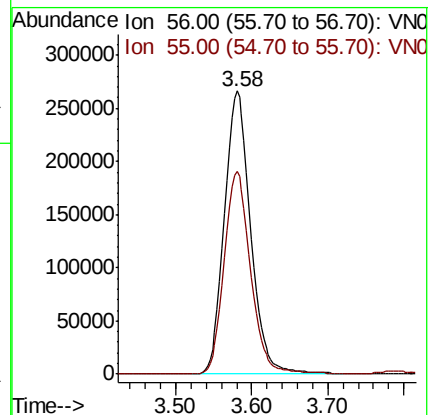
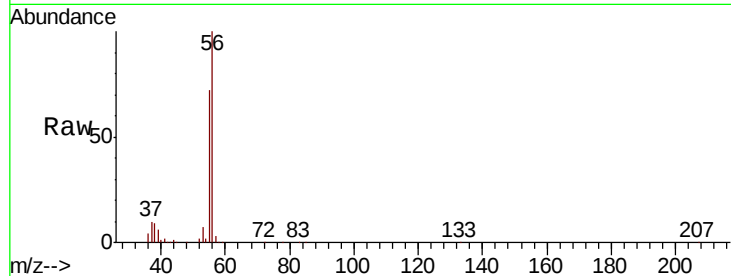
VSTDIC150

Tot Ion: 56 Resp: 643429

Ion Ratio Lower Upper

56 100

55 72.2 56.6 85.0



#14

Allyl chloride

Concen: 158.003 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

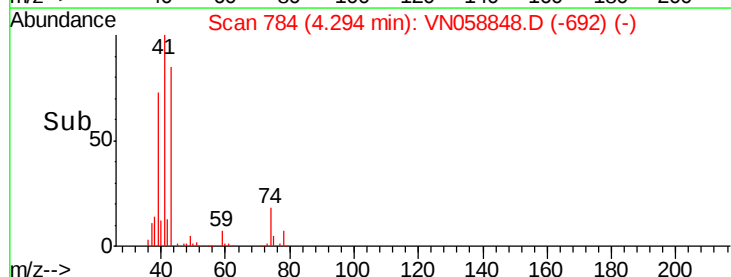
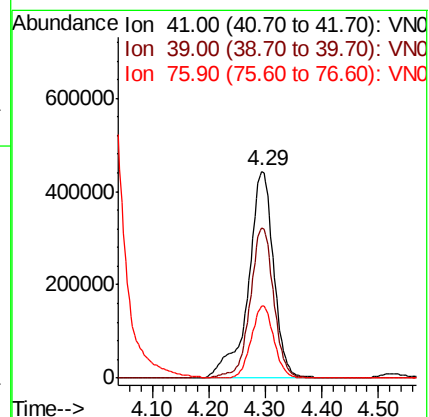
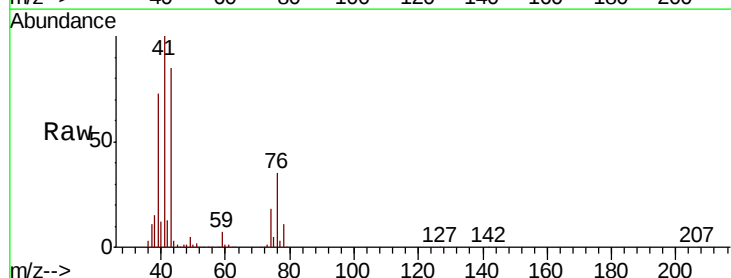
Tgt Ion: 41 Resp: 1377423

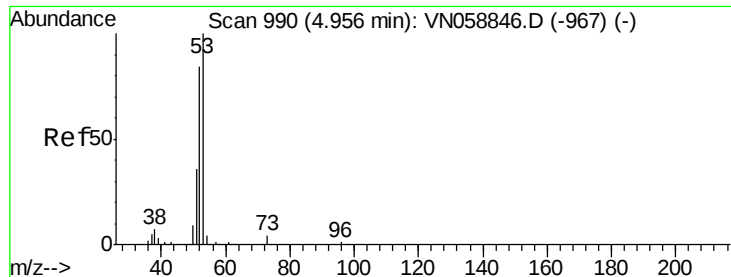
Ion Ratio Lower Upper

41 100

39 67.8 55.9 83.9

76 30.7 24.1 36.1





#15

Acrylonitrile

Concen: 833.256 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

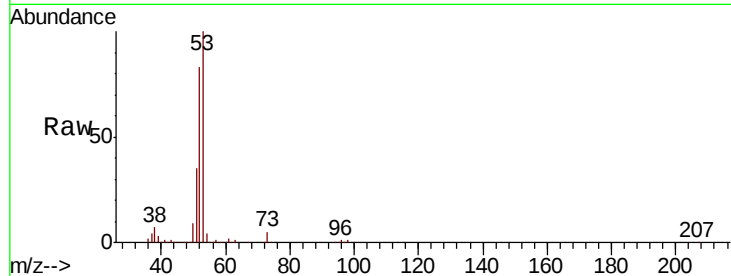
Tot Ion: 53 Resp: 2157724

Ion Ratio Lower Upper

53 100

52 82.5 66.6 99.8

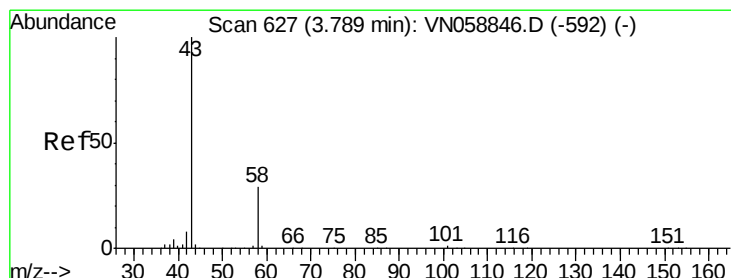
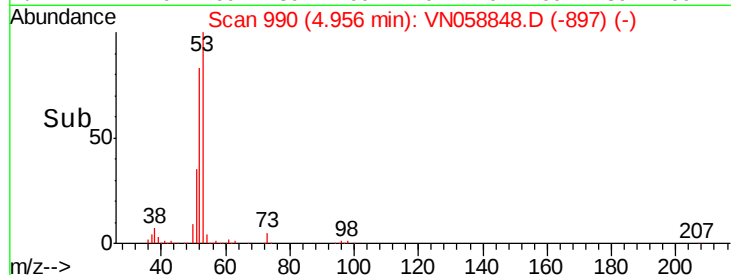
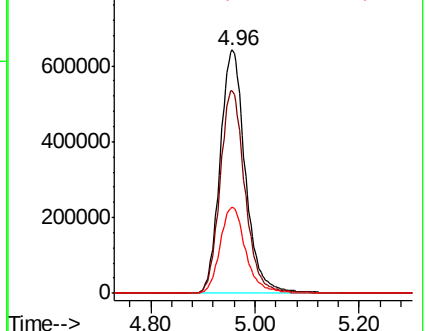
51 36.0 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 855.368 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN058848.D

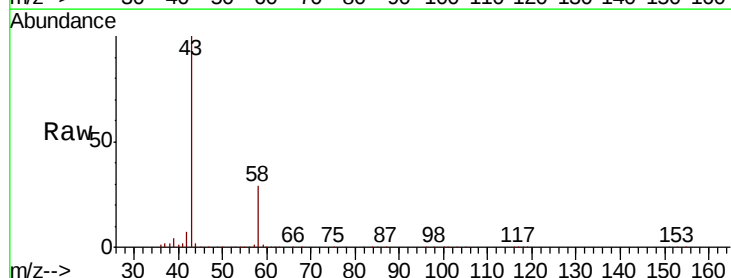
Acq: 18 Oct 2019 10:43

Tgt Ion: 43 Resp: 2328032

Ion Ratio Lower Upper

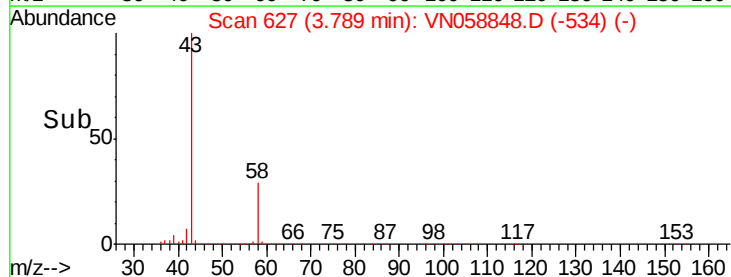
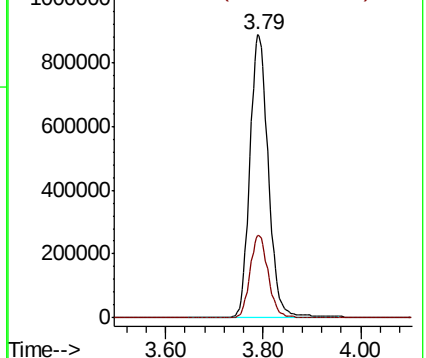
43 100

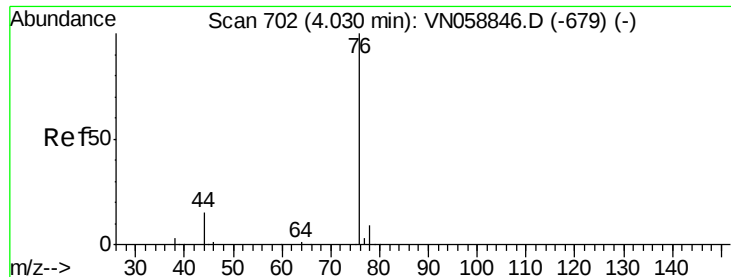
58 29.0 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

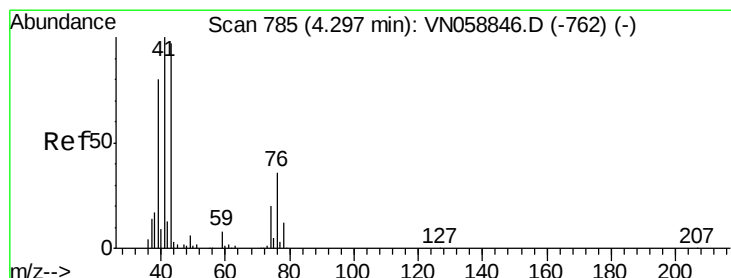
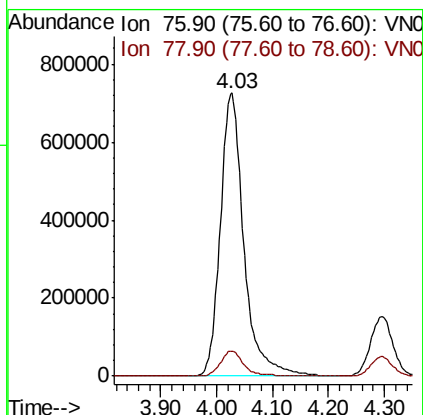
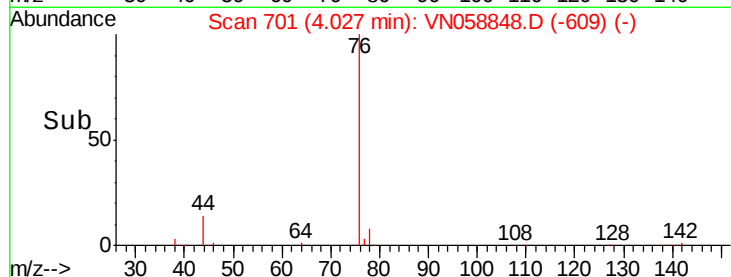
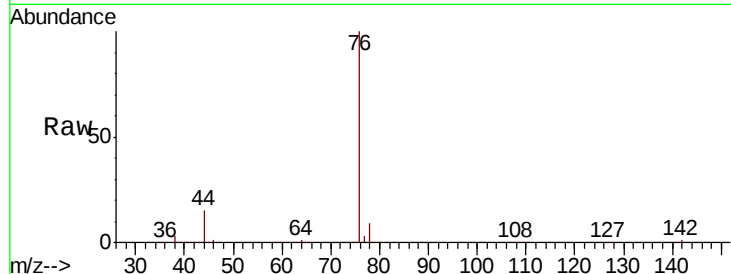




#17
Carbon Disulfide
Concen: 153.845 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

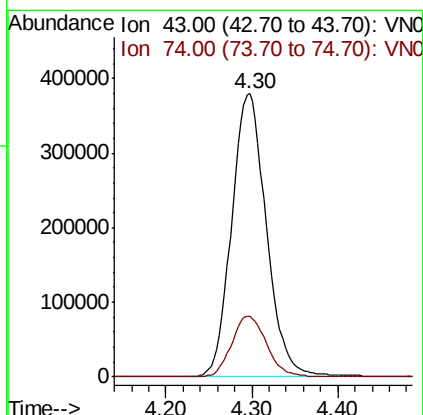
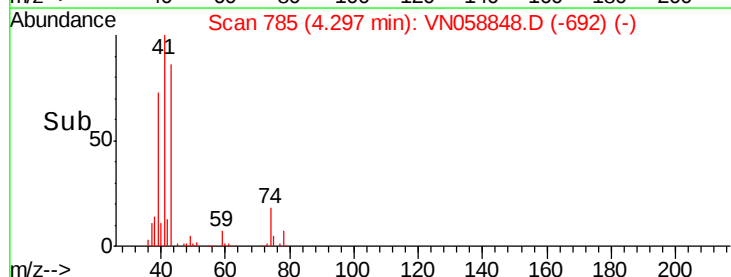
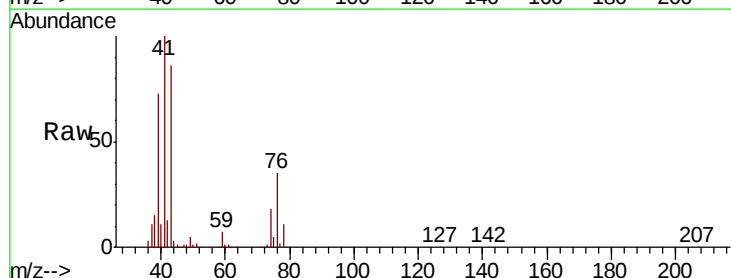
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

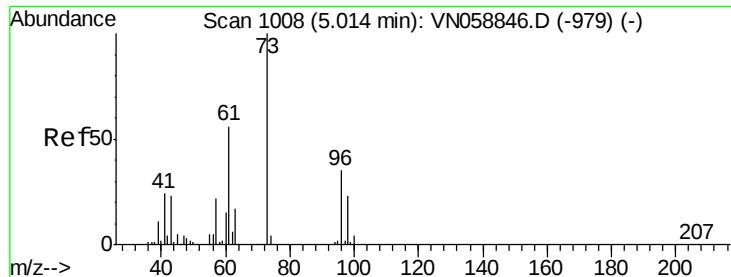
Tot Ion: 76 Resp: 2128005
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 158.608 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 43 Resp: 1053955
Ion Ratio Lower Upper
43 100
74 21.9 17.1 25.7

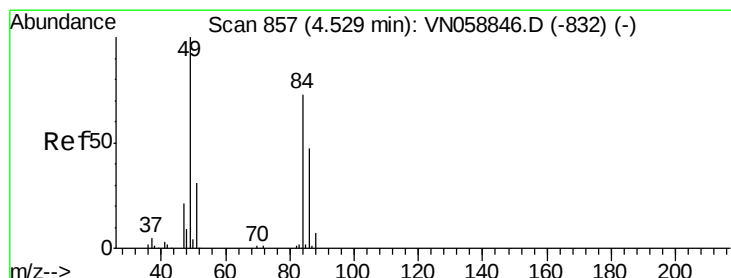
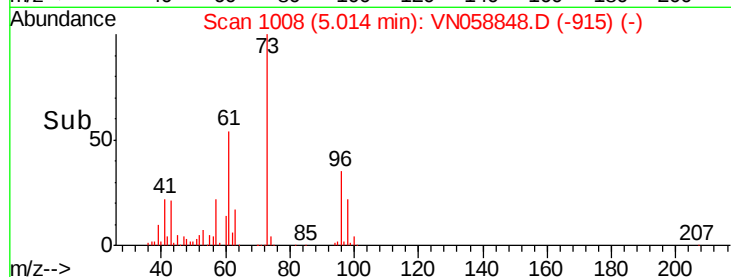
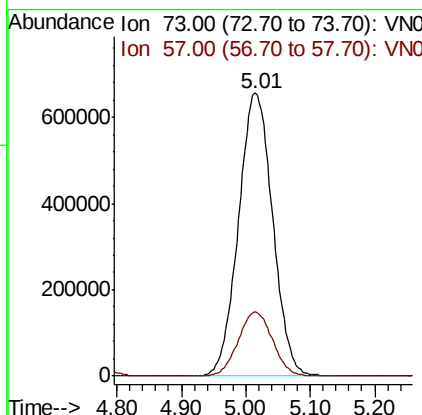
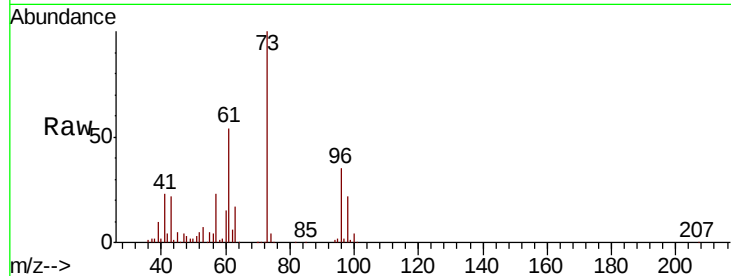




#19
Methyl tert-butyl Ether
Concen: 157.953 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

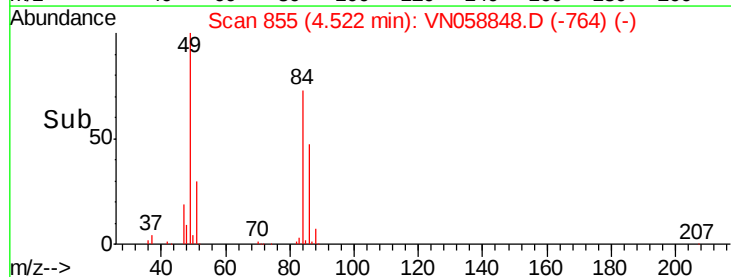
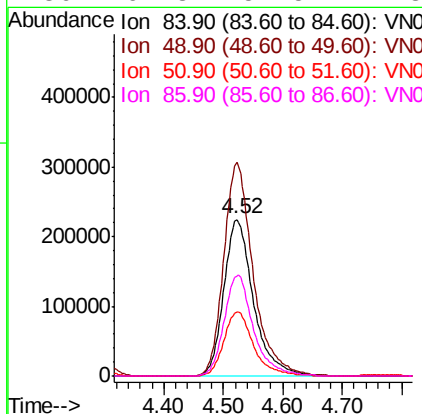
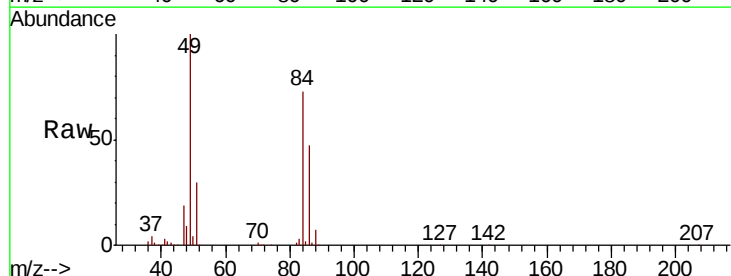
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

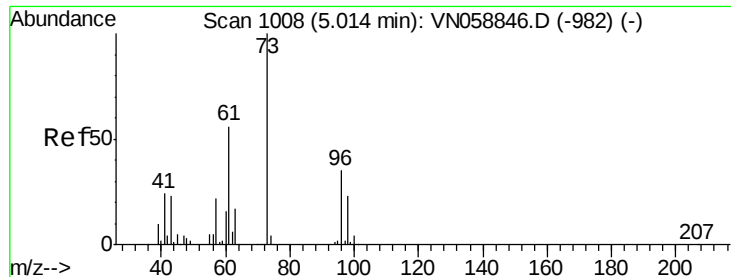
Tot Ion: 73 Resp: 2423583
Ion Ratio Lower Upper
73 100
57 22.7 17.9 26.9



#20
Methylene Chloride
Concen: 143.284 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 84 Resp: 777271
Ion Ratio Lower Upper
84 100
49 136.6 109.6 164.4
51 40.9 33.8 50.6
86 64.3 51.5 77.3



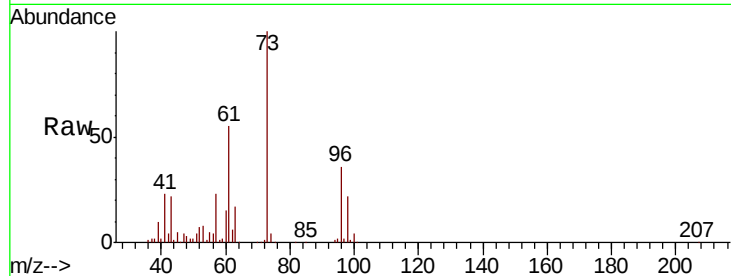


#21

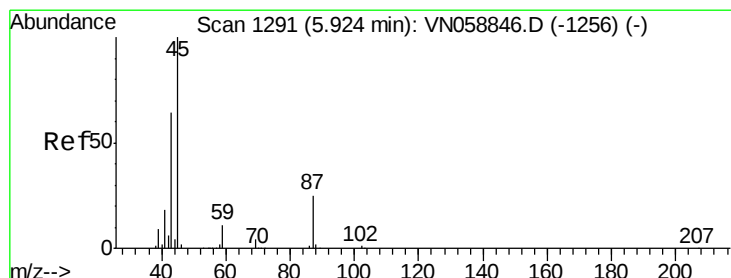
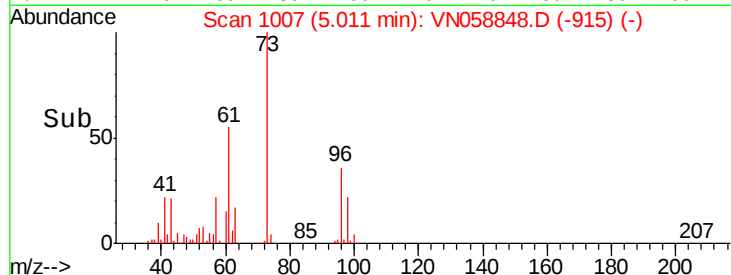
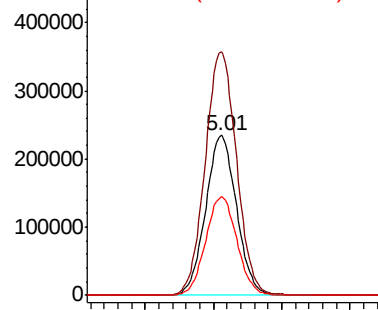
trans-1,2-Dichloroethene
Concen: 153.778 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 739097
Ion Ratio Lower Upper
96 100
61 152.4 126.7 190.1
98 61.6 52.0 78.0



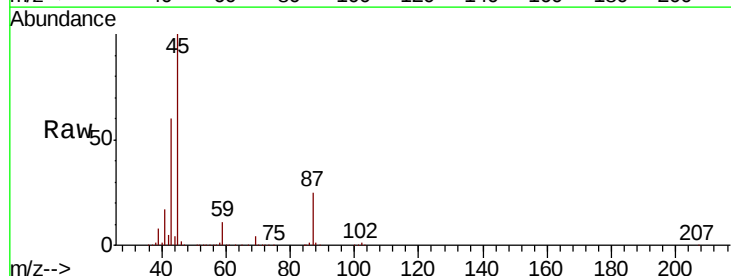
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



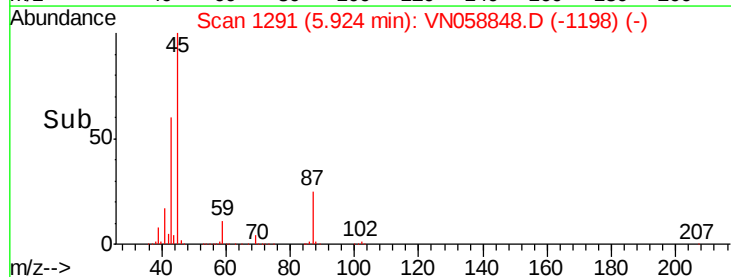
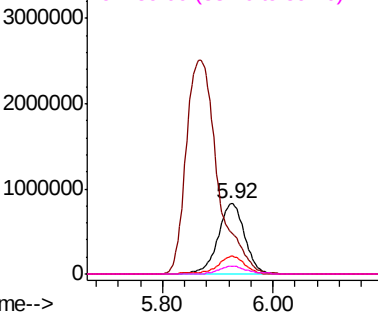
#22

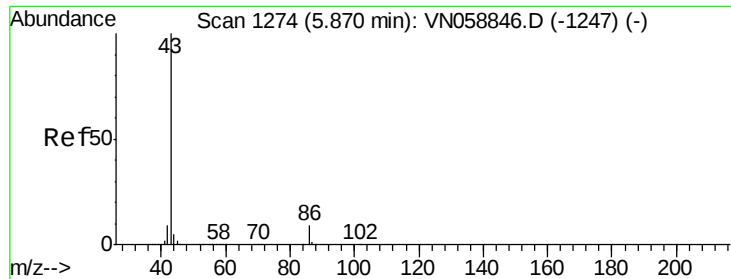
Diisopropyl ether
Concen: 163.301 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 45 Resp: 2773572
Ion Ratio Lower Upper
45 100
43 59.6 52.9 79.3
87 25.0 20.2 30.4
59 11.2 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 722.852 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

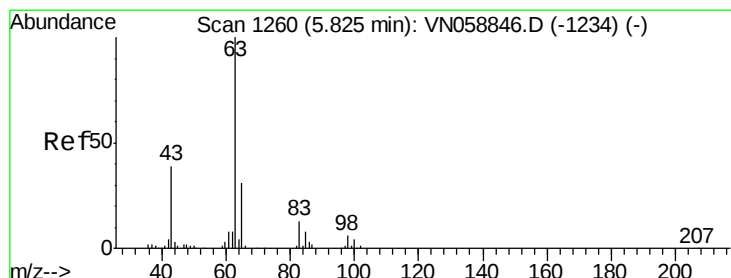
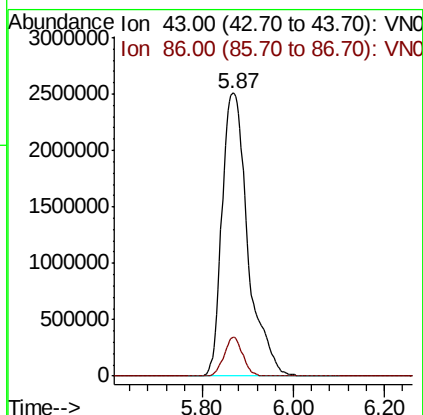
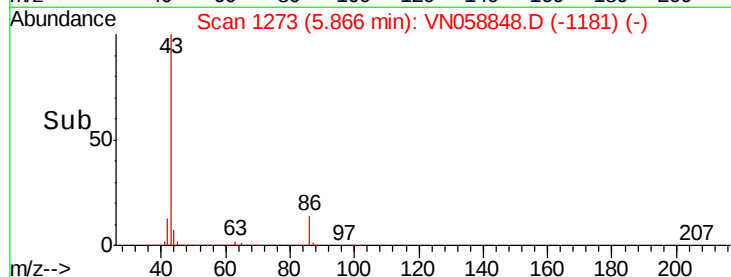
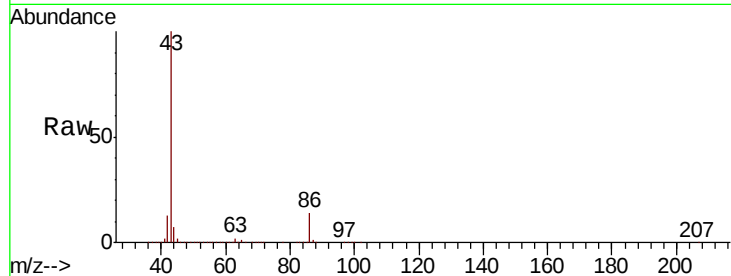
VSTDIC150

Tot Ion: 43 Resp: 9909676

Ion Ratio Lower Upper

43 100

86 13.6 7.2 10.8#



#24

1,1-Dichloroethane

Concen: 152.854 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

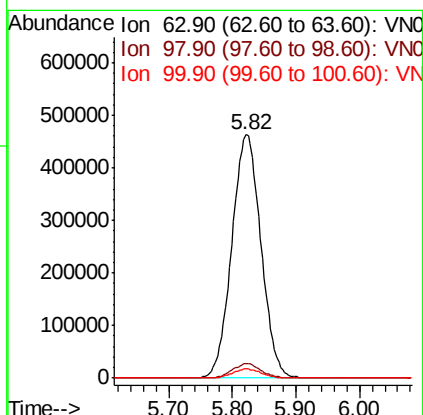
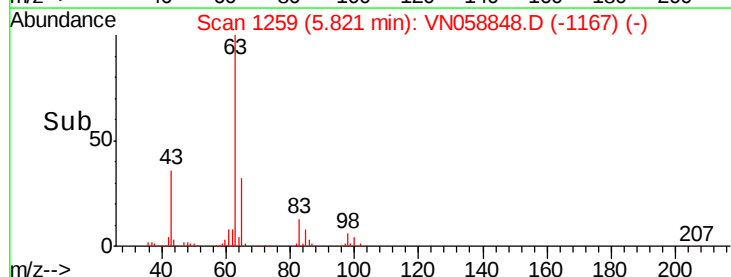
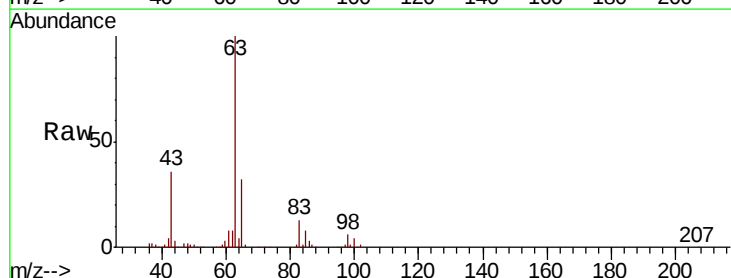
Tgt Ion: 63 Resp: 1471928

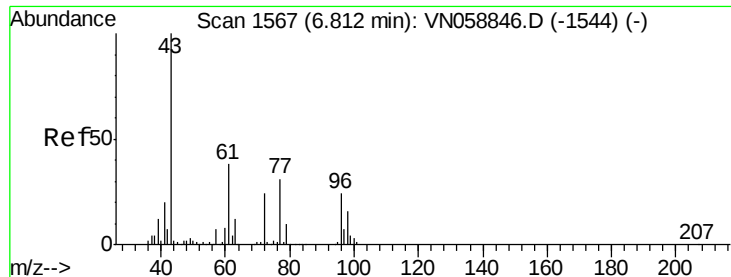
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 832.750 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

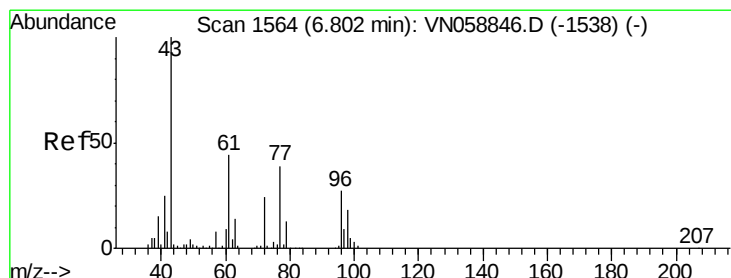
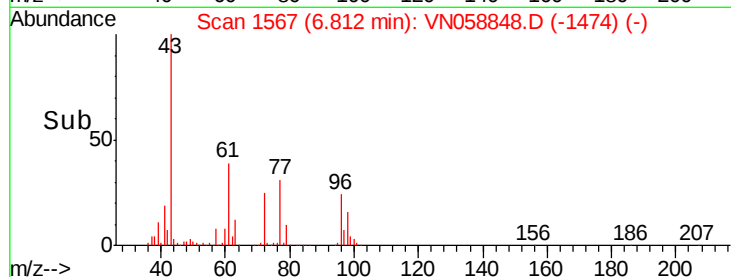
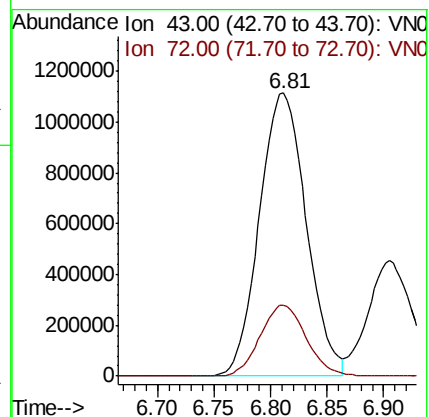
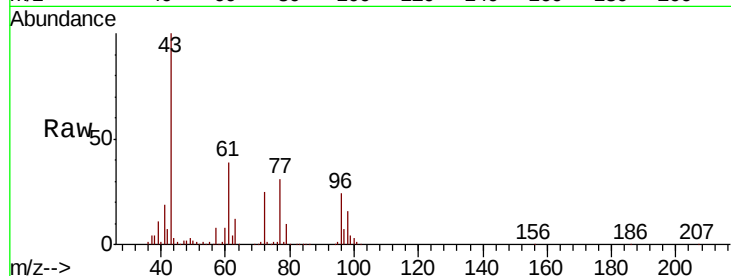
VSTDIC150

Tot Ion: 43 Resp: 3198611

Ion Ratio Lower Upper

43 100

72 25.1 19.1 28.7



#26

2,2-Dichloropropane

Concen: 144.129 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058848.D

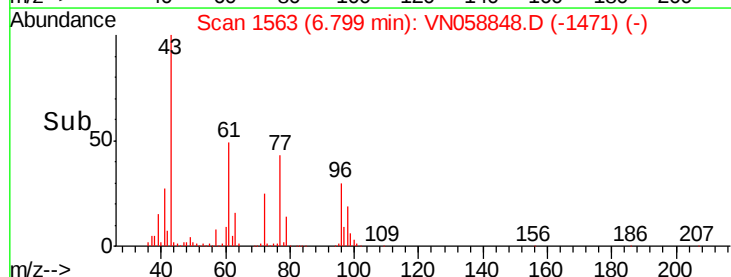
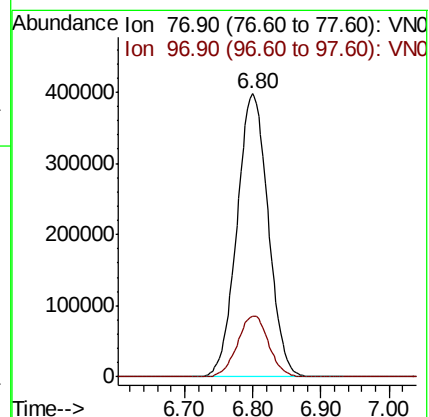
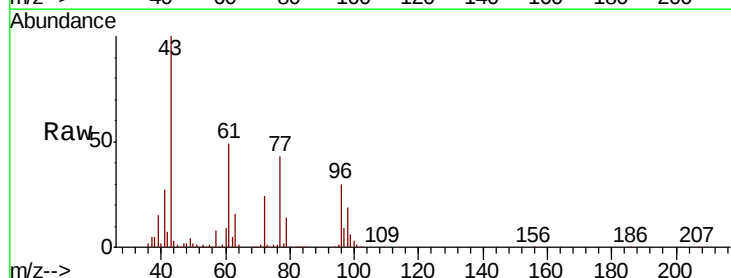
Acq: 18 Oct 2019 10:43

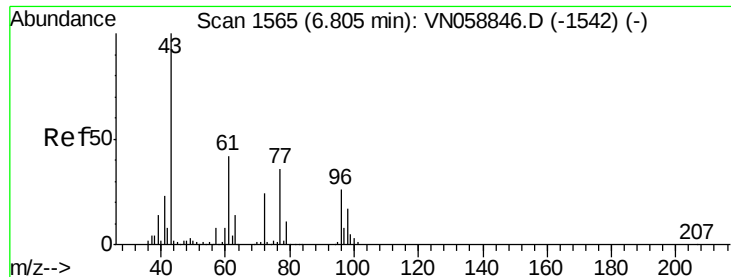
Tgt Ion: 77 Resp: 1265580

Ion Ratio Lower Upper

77 100

97 21.4 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 149.888 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

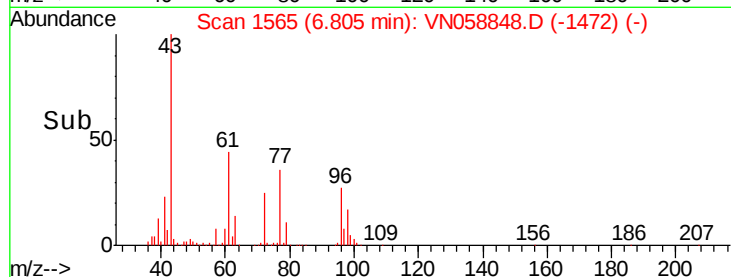
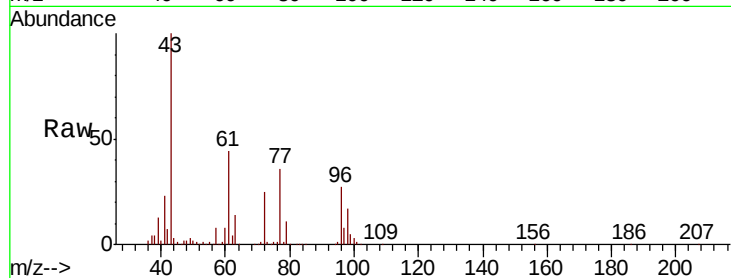
Tot Ion: 96 Resp: 842018

Ion Ratio Lower Upper

96 100

61 162.9 0.0 325.0

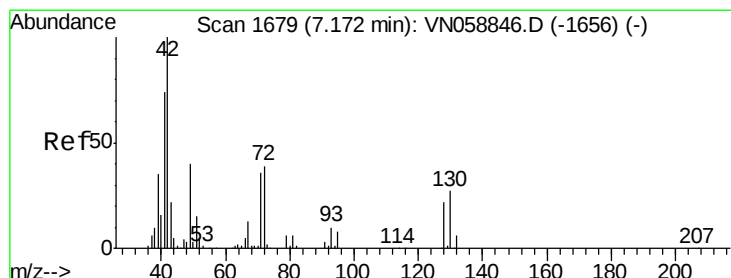
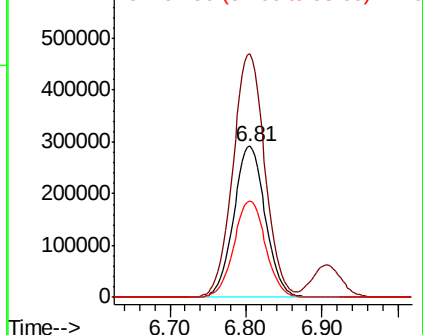
98 64.1 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 143.751 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

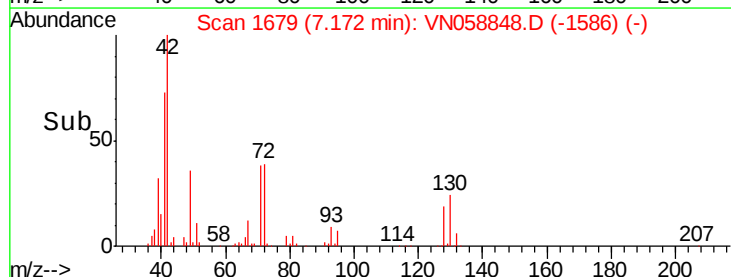
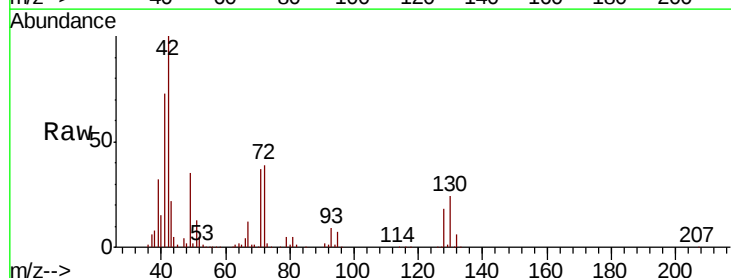
Tgt Ion: 49 Resp: 480734

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.2

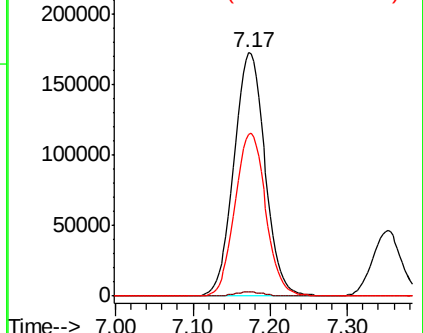
130 66.5 53.5 80.3

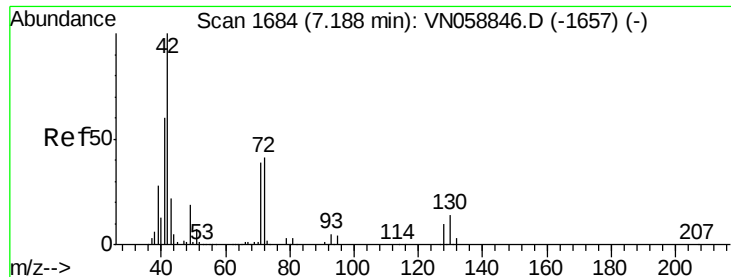


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 828.302 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

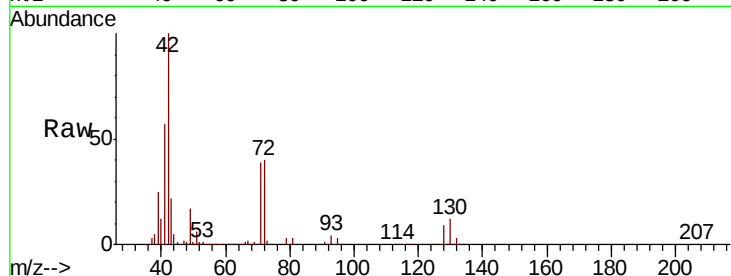
Tot Ion: 42 Resp: 2036220

Ion Ratio Lower Upper

42 100

72 40.2 32.2 48.2

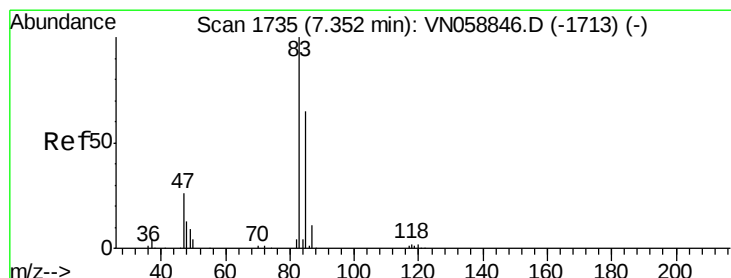
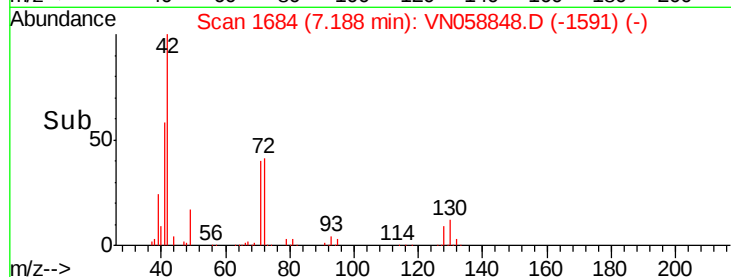
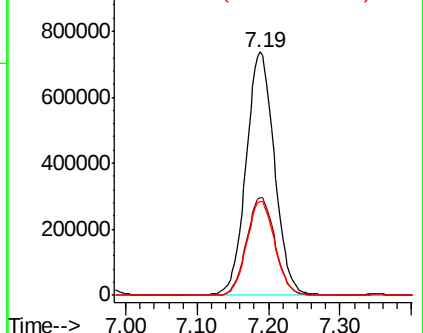
71 38.3 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 148.343 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058848.D

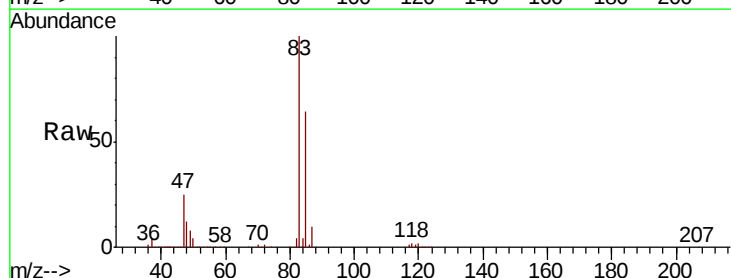
Acq: 18 Oct 2019 10:43

Tgt Ion: 83 Resp: 1439550

Ion Ratio Lower Upper

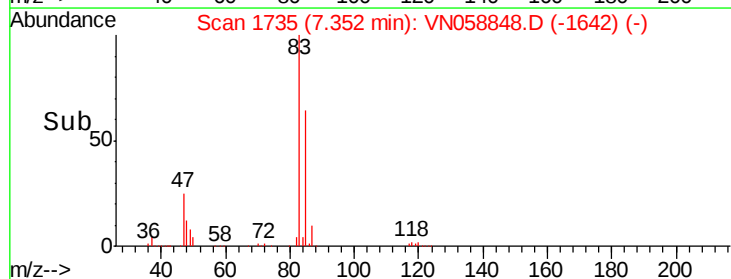
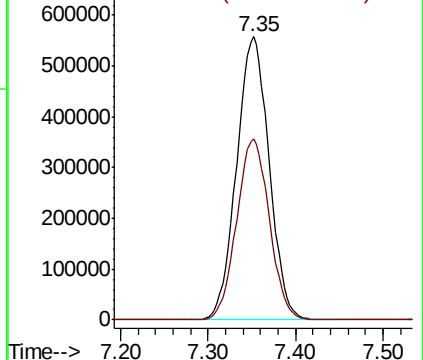
83 100

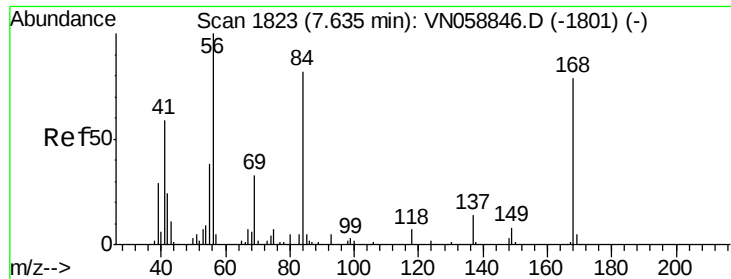
85 63.9 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

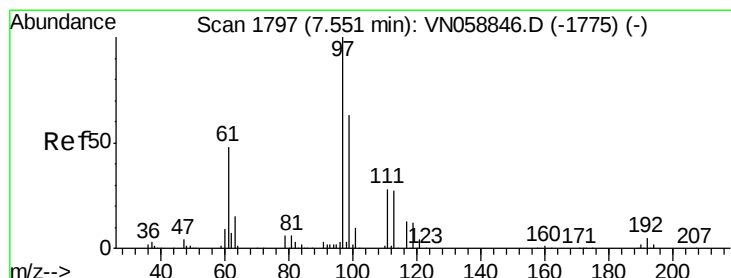
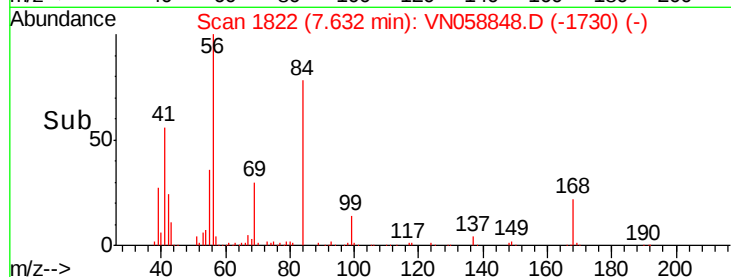
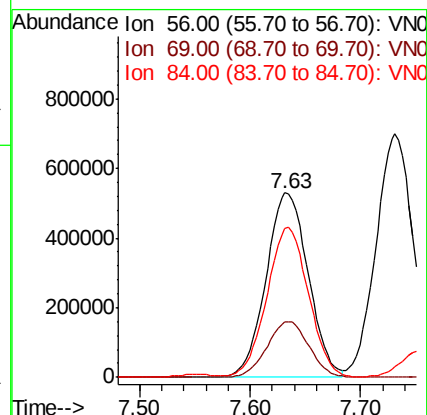
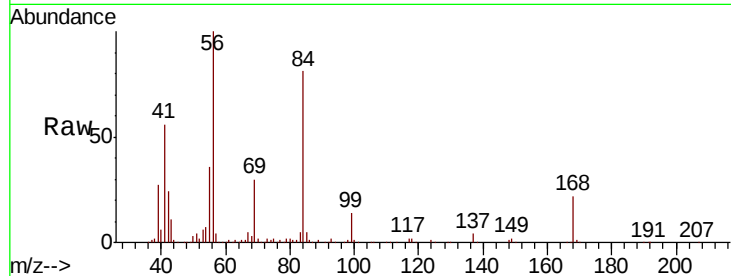




#31
Cyclohexane
Concen: 152.006 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

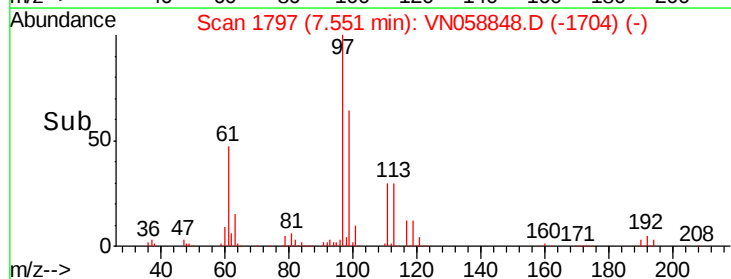
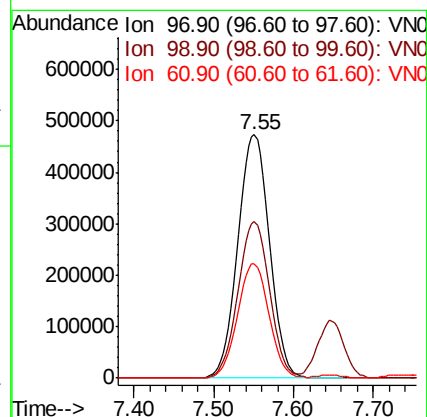
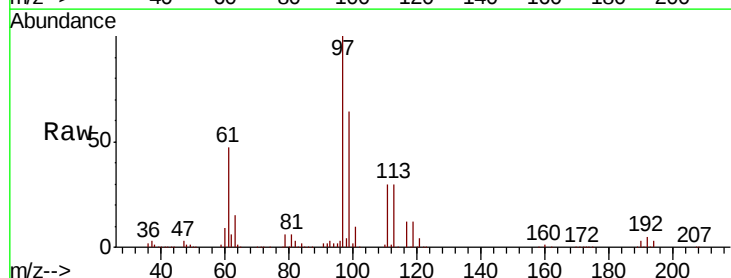
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

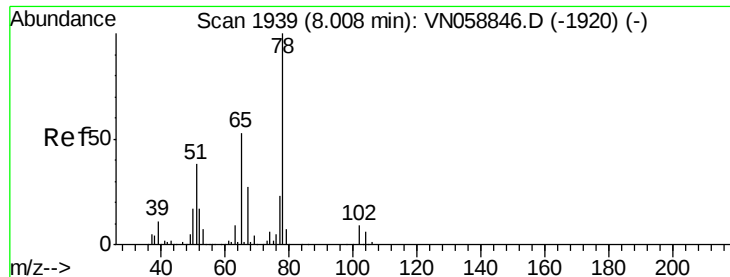
Tot Ion: 56 Resp: 1404486
Ion Ratio Lower Upper
56 100
69 29.9 26.2 39.4
84 79.4 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 153.065 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 97 Resp: 1262957
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 46.9 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 149.254 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

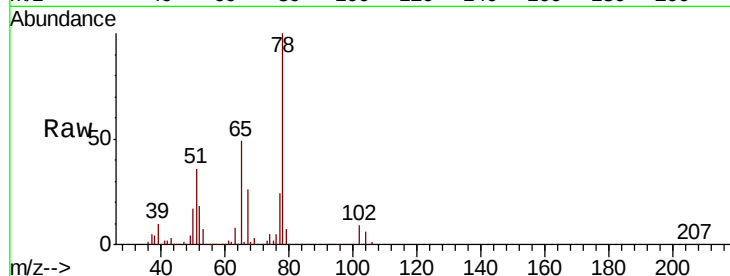
VSTDIC150

Tot Ion: 65 Resp: 939907

Ion Ratio Lower Upper

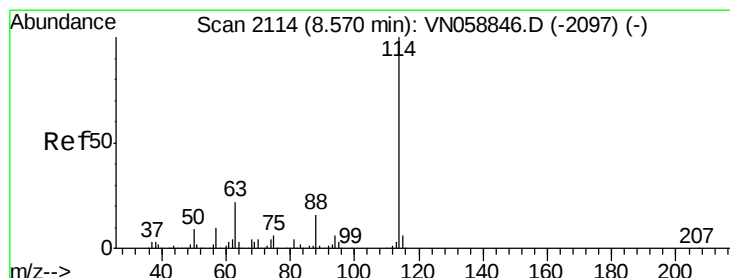
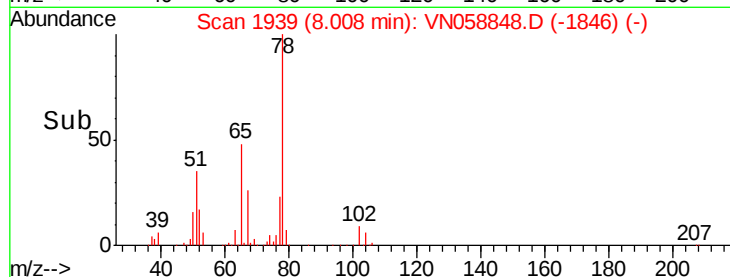
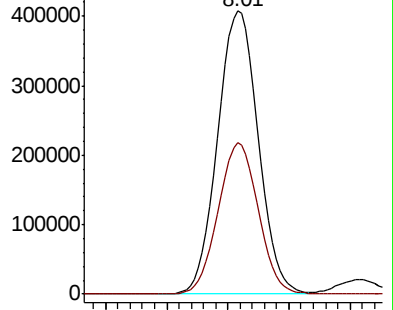
65 100

67 52.8 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VN058846.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN058846.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

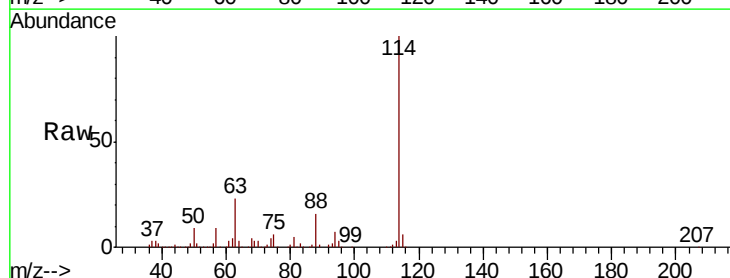
Tgt Ion: 114 Resp: 713057

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.4

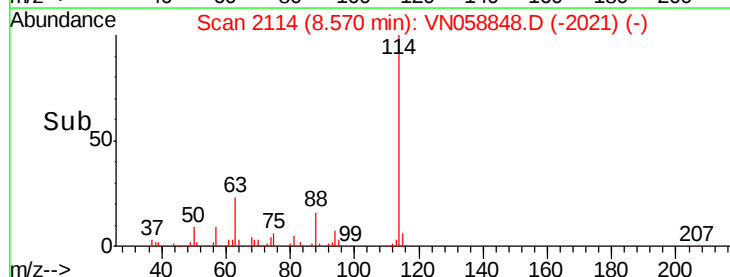
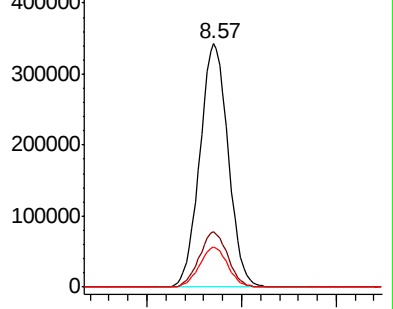
88 16.4 0.0 31.4

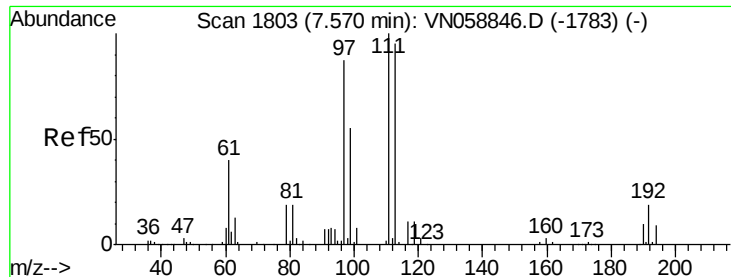


Abundance Ion 113.90 (113.60 to 114.60): VN058846.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058846.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058846.D (-2097) (-)

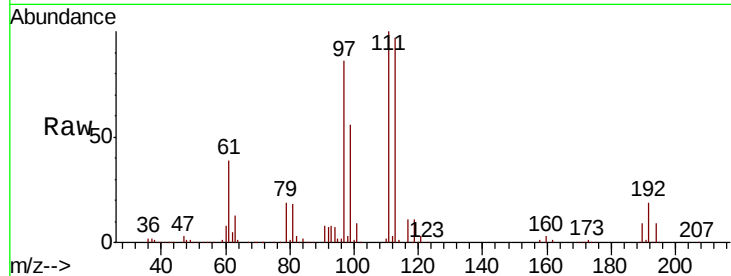




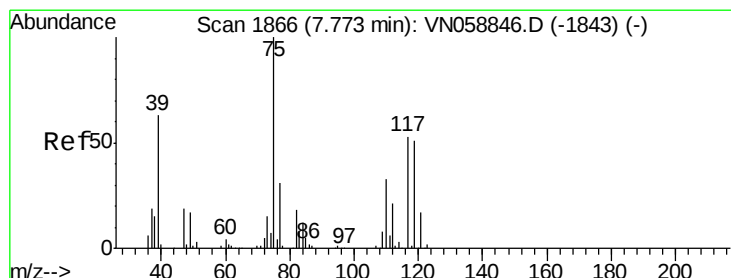
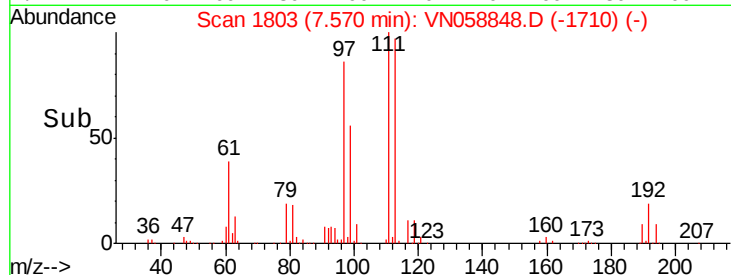
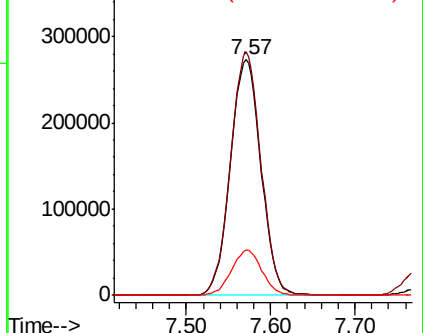
#35
 Dibromofluoromethane
 Concen: 154.767 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:113 Resp: 689838
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.0 123.0
 192 19.2 15.0 22.6

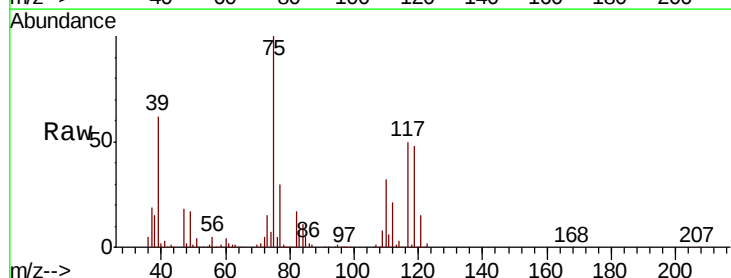


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

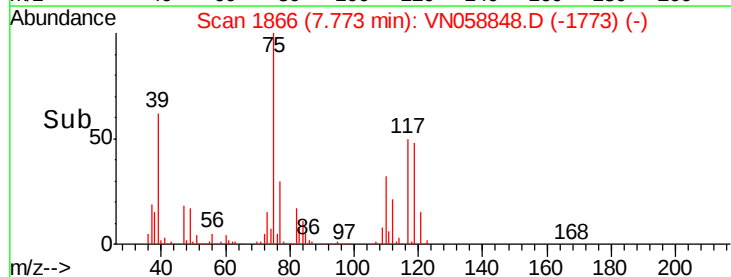
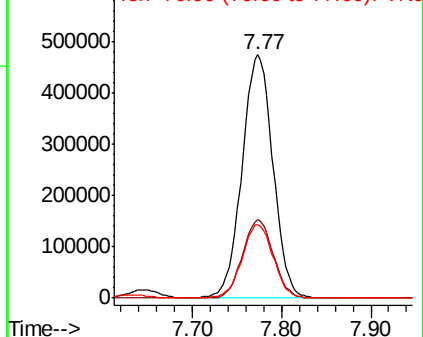


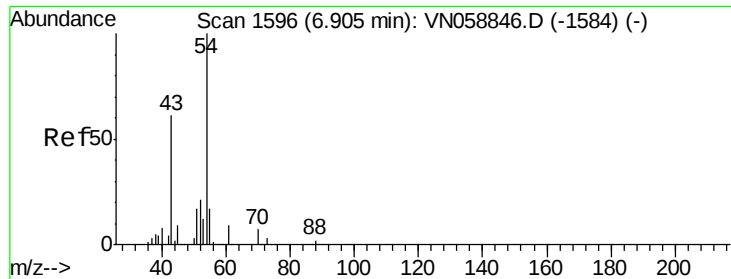
#36
 1,1-Dichloropropene
 Concen: 156.292 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Tgt Ion: 75 Resp: 1138048
 Ion Ratio Lower Upper
 75 100
 110 32.3 16.3 48.9
 77 30.5 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

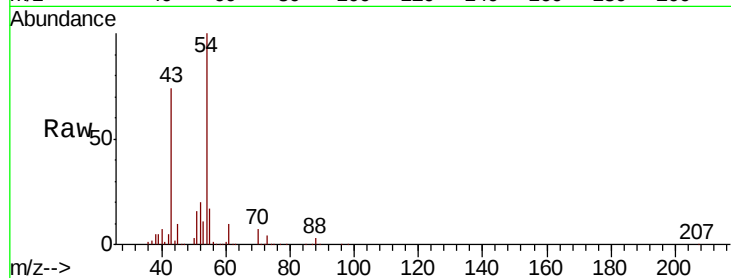




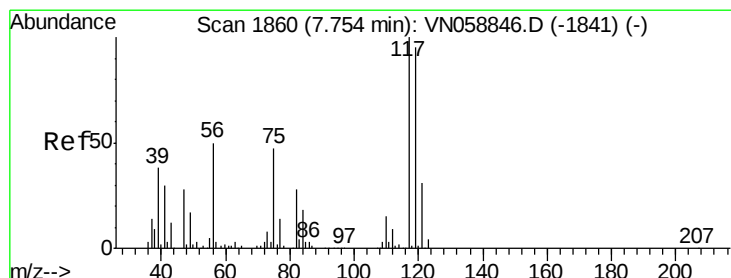
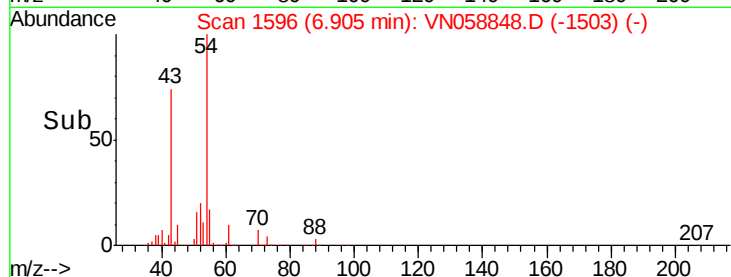
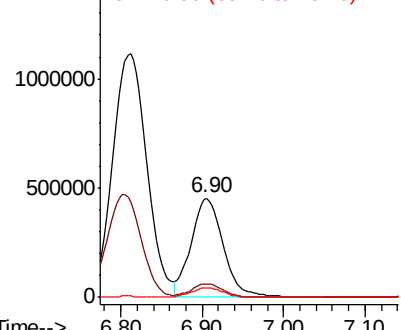
#37
Ethyl Acetate
Concen: 167.931 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1250335
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 9.6 7.6 11.4

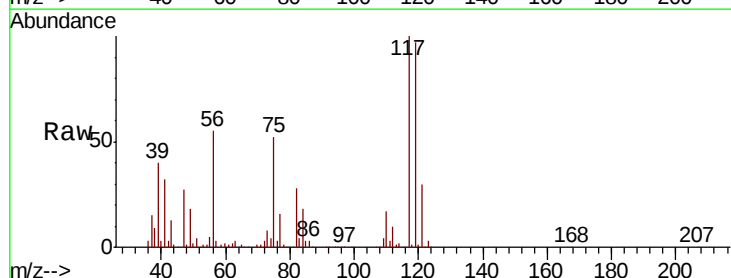


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

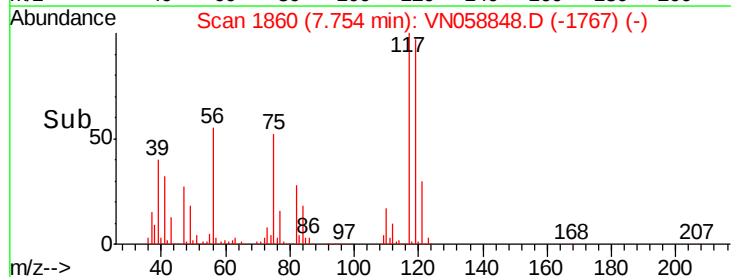
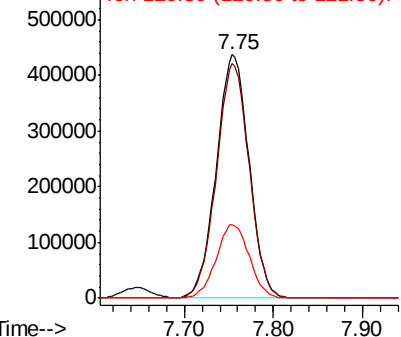


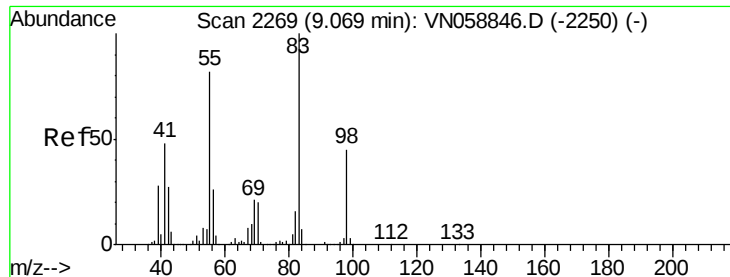
#38
Carbon Tetrachloride
Concen: 156.454 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 117 Resp: 1110042
Ion Ratio Lower Upper
117 100
119 96.5 75.7 113.5
121 30.4 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

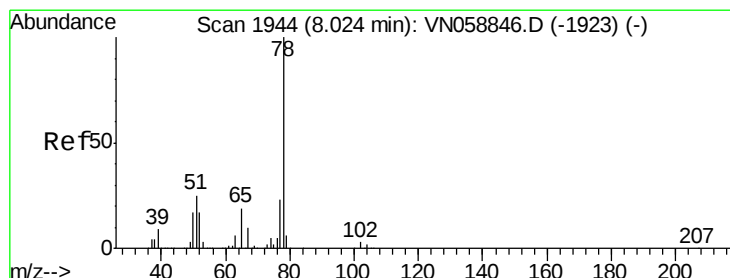
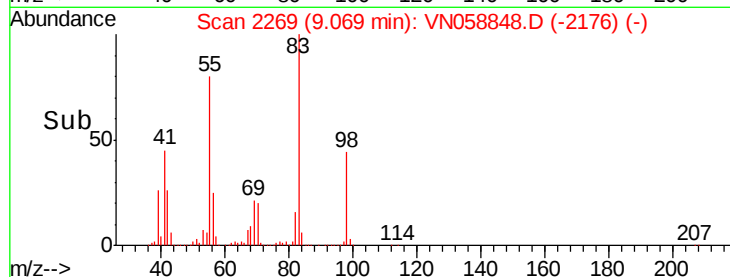
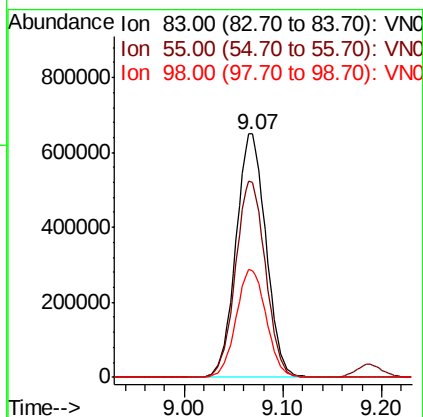
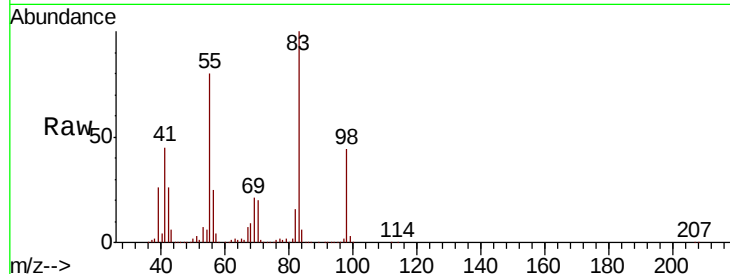




#39
Methvlcvclohexane
Concen: 162.791 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

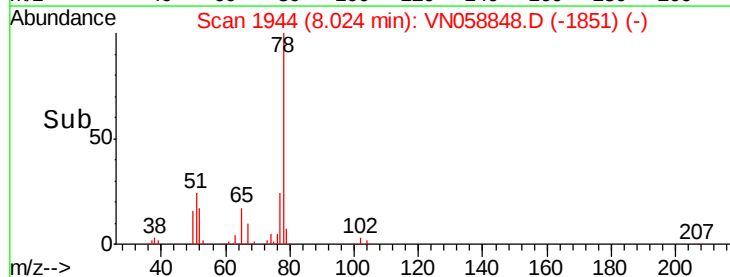
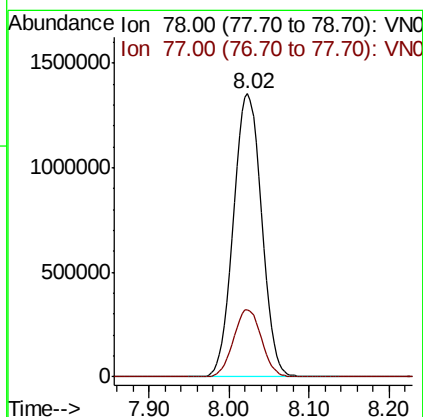
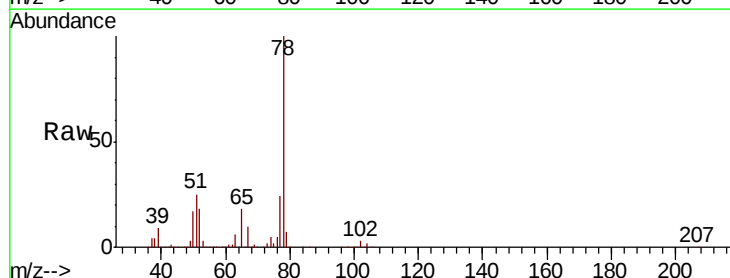
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

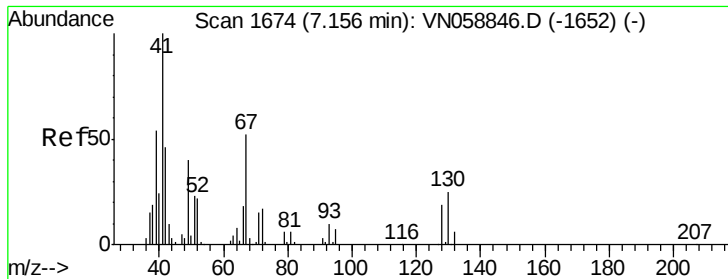
Tot Ion: 83 Resp: 1368099
Ion Ratio Lower Upper
83 100
55 80.0 65.5 98.3
98 44.0 35.7 53.5



#40
Benzene
Concen: 153.510 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 78 Resp: 3217258
Ion Ratio Lower Upper
78 100
77 23.9 18.2 27.2



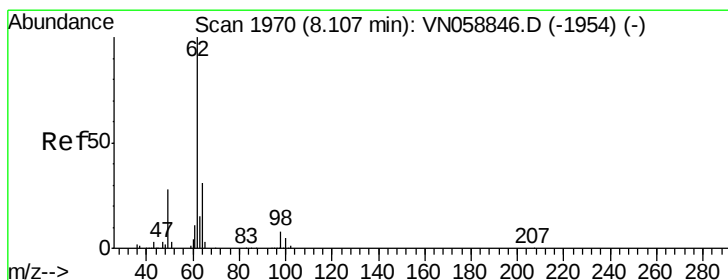
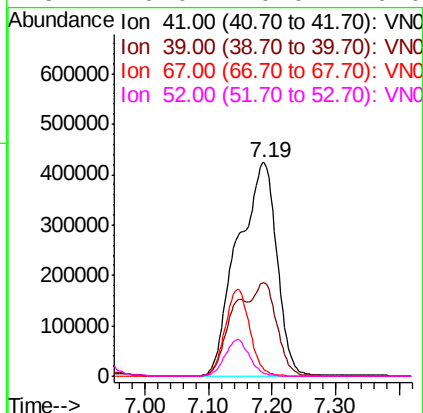
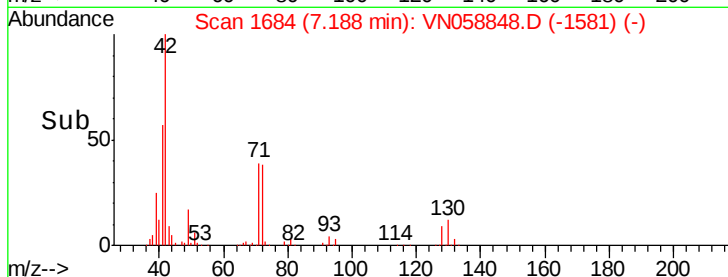
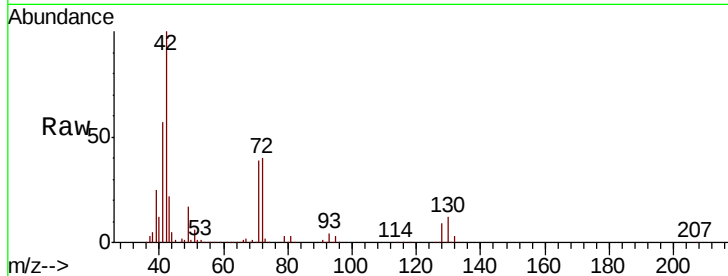


#41
Methacrylonitrile
Concen: 537.865 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 41 Resp: 1817092

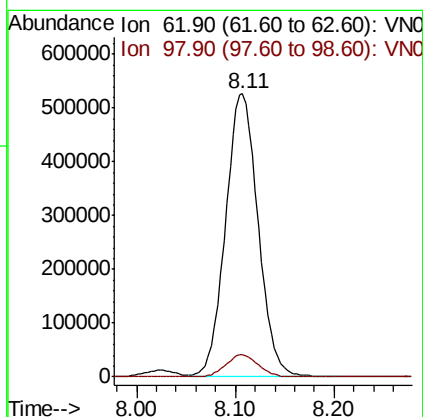
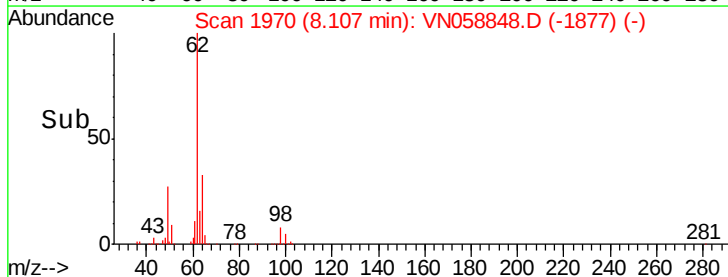
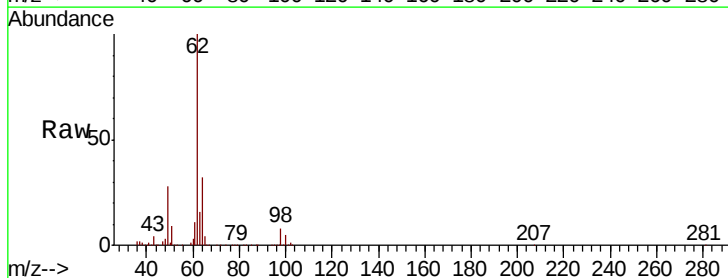
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

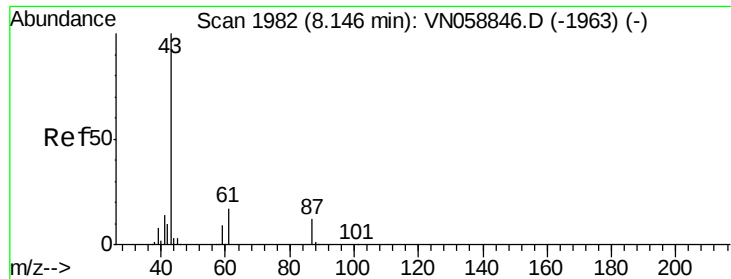


#42
1,2-Dichloroethane
Concen: 150.430 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 62 Resp: 1209659

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2



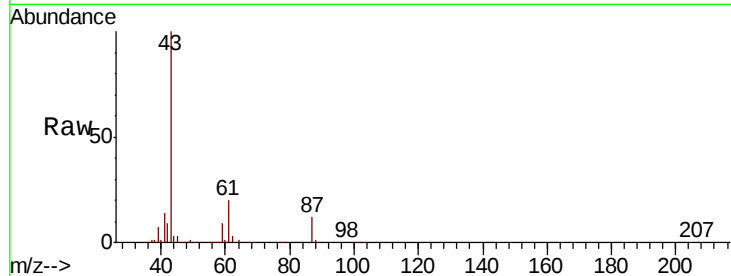


#43

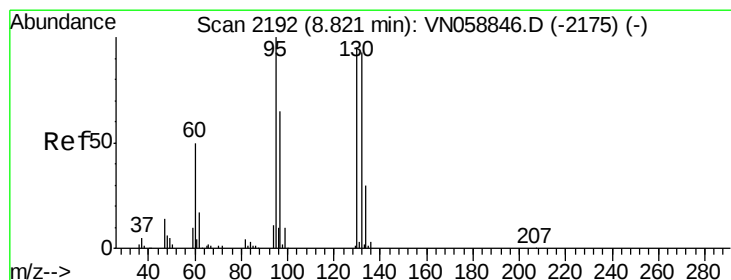
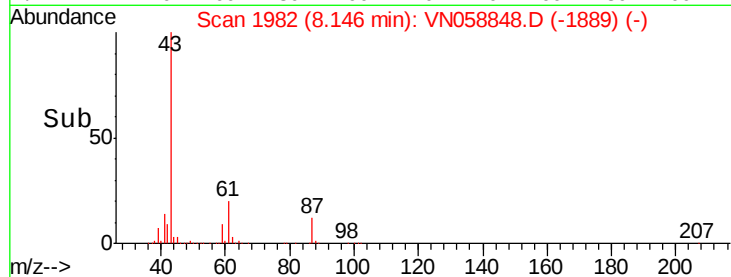
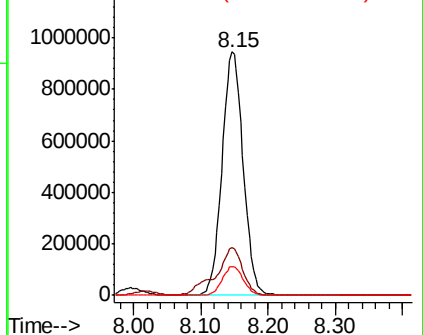
Isopropyl Acetate
 Concen: 163.726 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 2060551
 Ion Ratio Lower Upper
 43 100
 61 25.2 20.2 30.2
 87 11.8 9.5 14.3



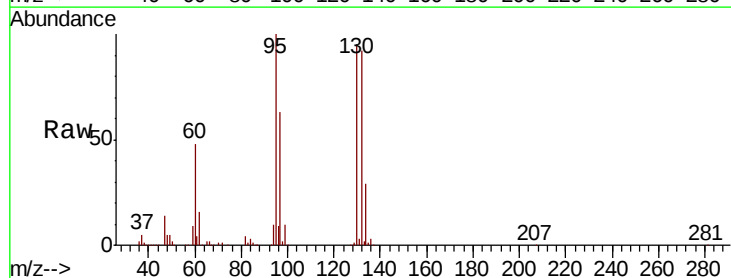
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



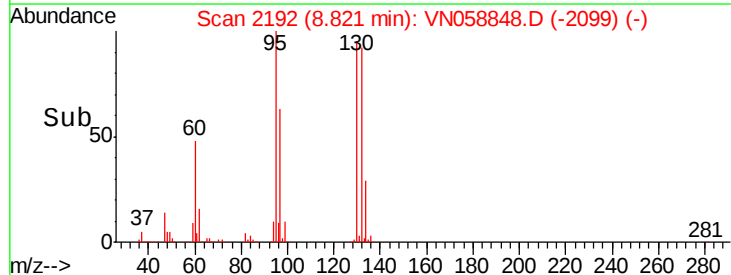
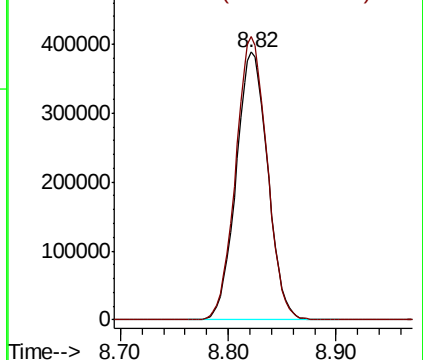
#44

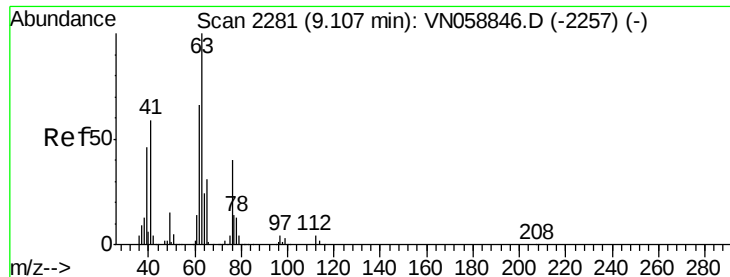
Trichloroethene
 Concen: 153.507 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Tgt Ion: 130 Resp: 794550
 Ion Ratio Lower Upper
 130 100
 95 105.7 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 157.551 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

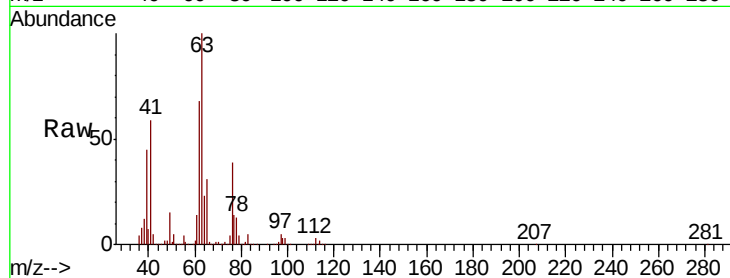
VSTDIC150

Tot Ion: 63 Resp: 885165

Ion Ratio Lower Upper

63 100

65 30.5 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

400000

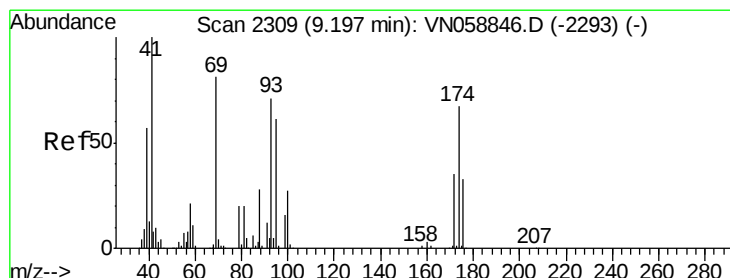
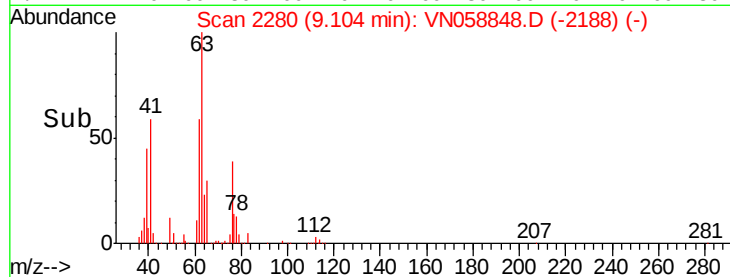
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 156.604 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

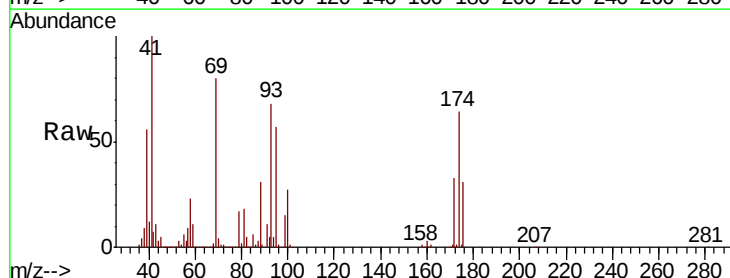
Tgt Ion: 93 Resp: 555922

Ion Ratio Lower Upper

93 100

95 83.1 67.6 101.4

174 93.0 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

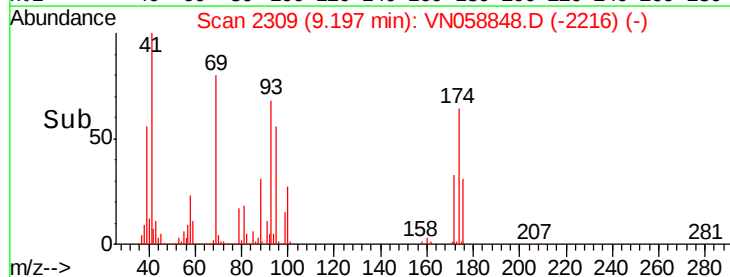
300000

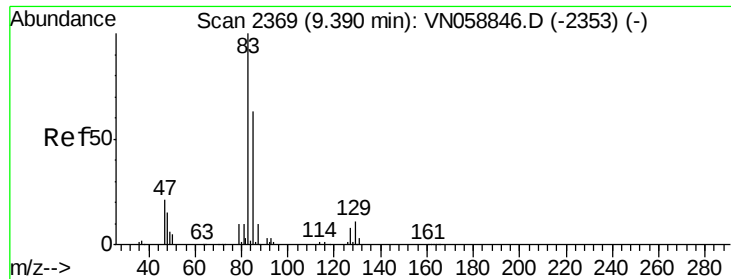
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 160.759 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

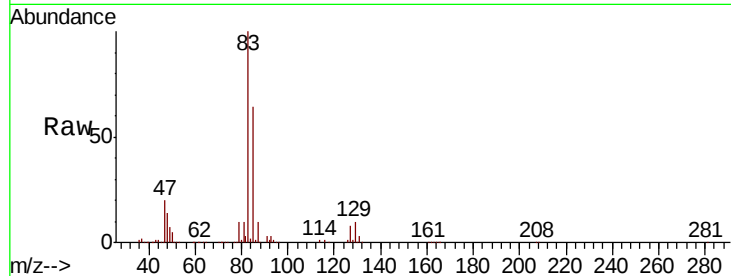
Tot Ion: 83 Resp: 1164549

Ion Ratio Lower Upper

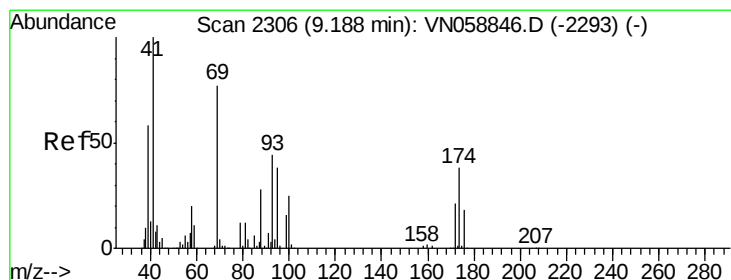
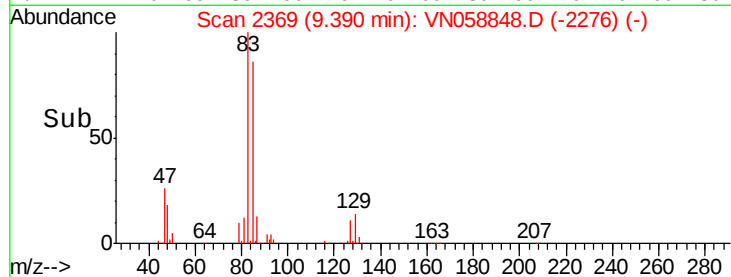
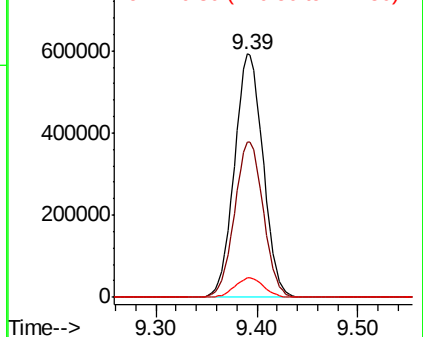
83 100

85 63.5 50.6 75.8

127 7.9 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 173.343 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

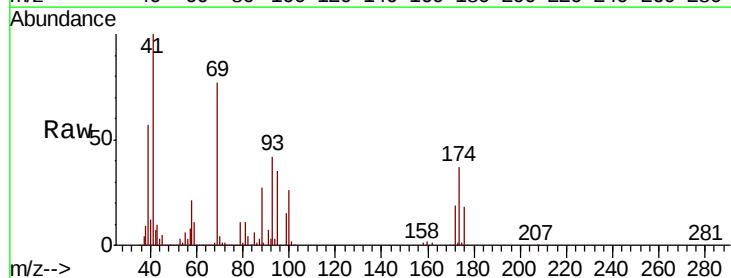
Tgt Ion: 41 Resp: 991747

Ion Ratio Lower Upper

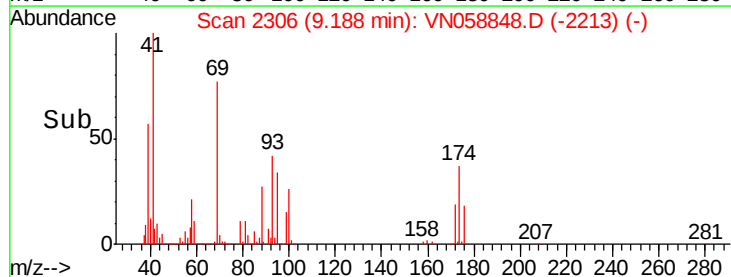
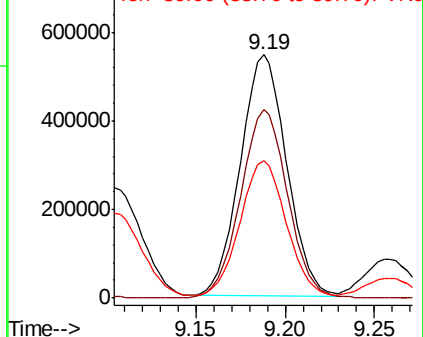
41 100

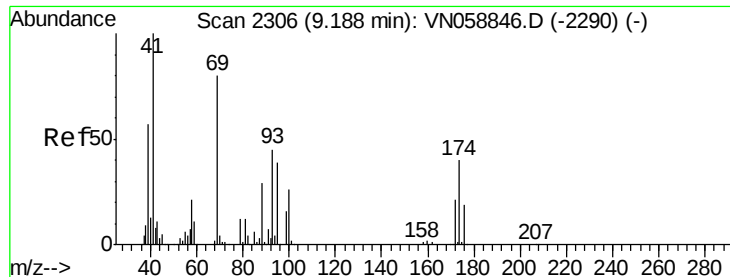
69 79.1 63.8 95.6

39 57.6 47.8 71.8



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 3560.938 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

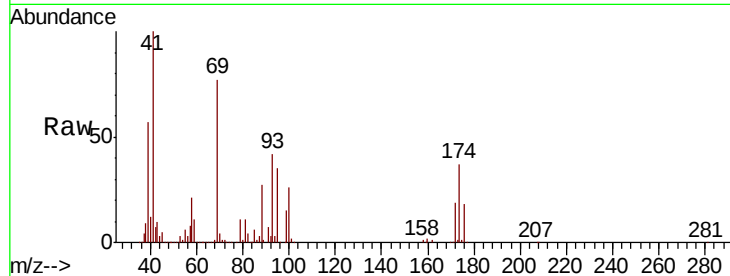
Tot Ion: 88 Resp: 316988

Ion Ratio Lower Upper

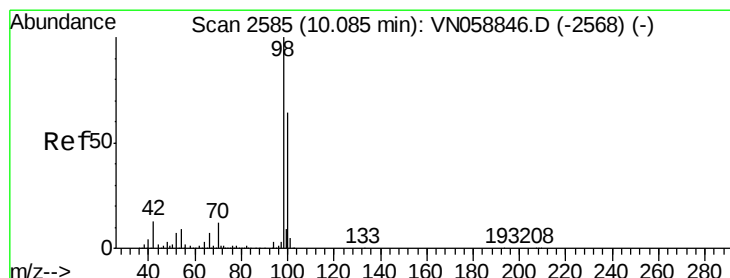
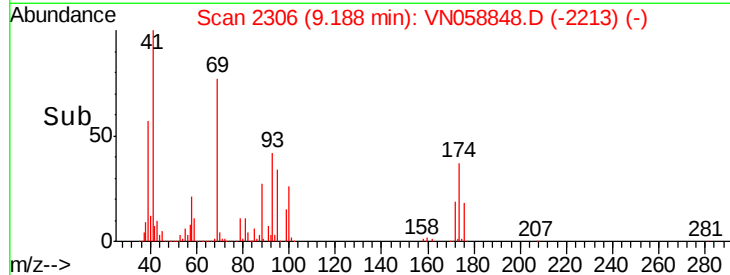
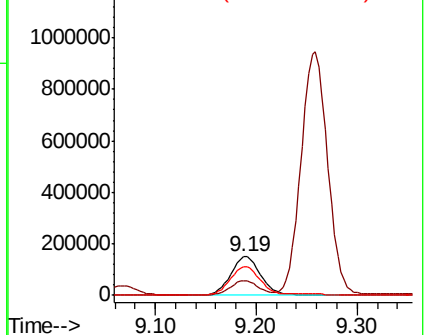
88 100

43 34.8 29.1 43.7

58 73.9 59.4 89.0



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 152.310 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058848.D

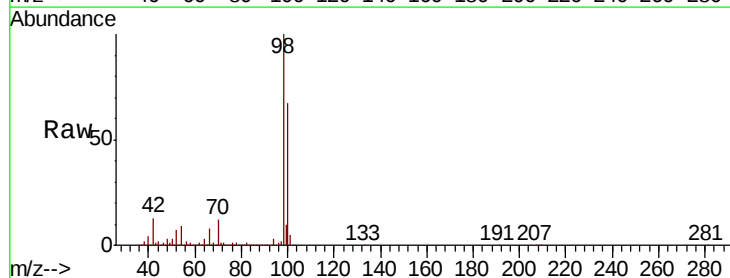
Acq: 18 Oct 2019 10:43

Tgt Ion: 98 Resp: 2703236

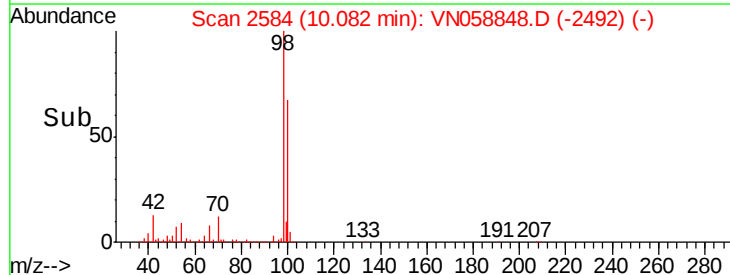
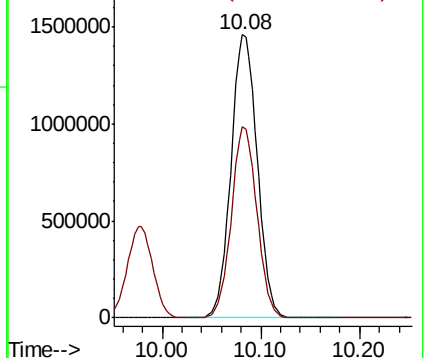
Ion Ratio Lower Upper

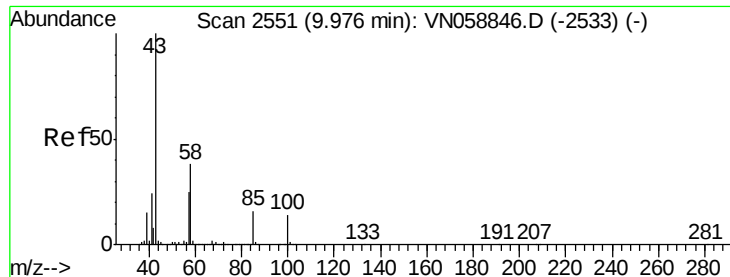
98 100

100 65.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 724.964 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

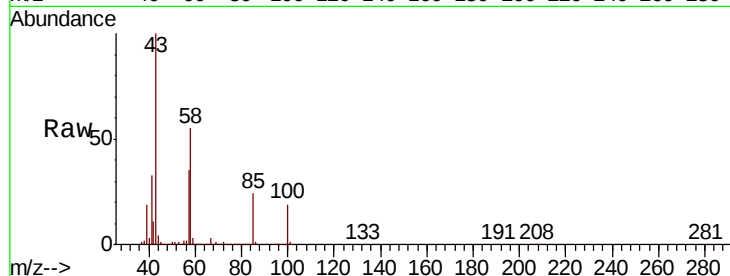
VSTDIC150

Tot Ion: 43 Resp: 5158737

Ion Ratio Lower Upper

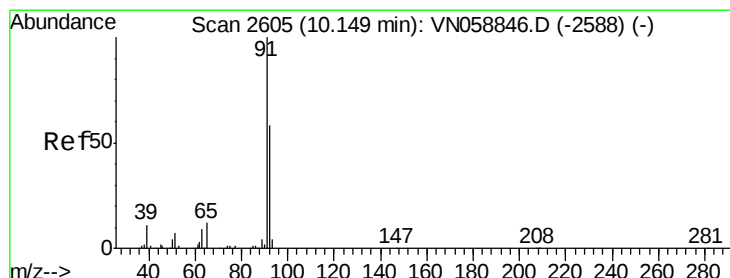
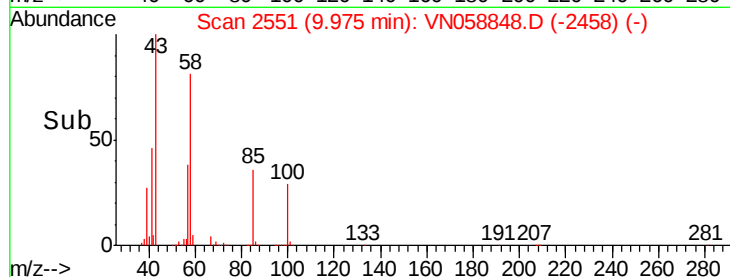
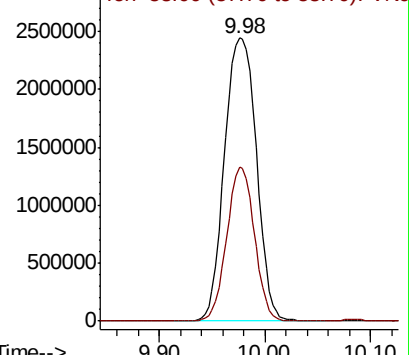
43 100

58 47.1 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 158.679 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058848.D

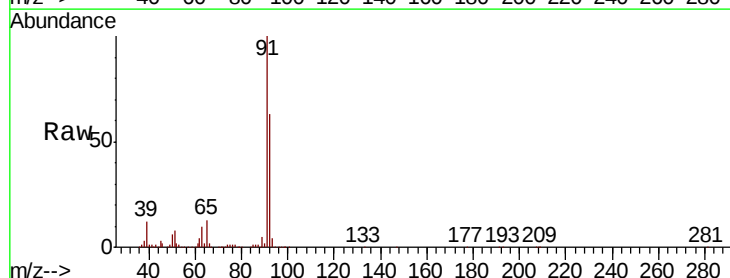
Acq: 18 Oct 2019 10:43

Tgt Ion: 92 Resp: 2029726

Ion Ratio Lower Upper

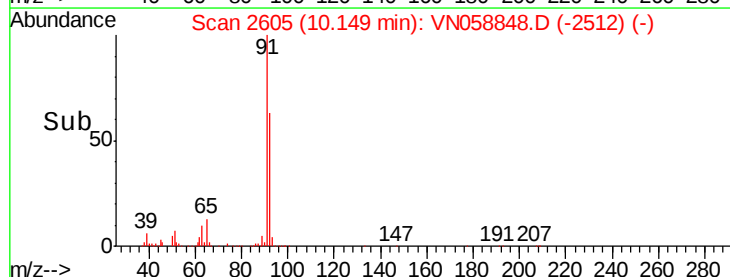
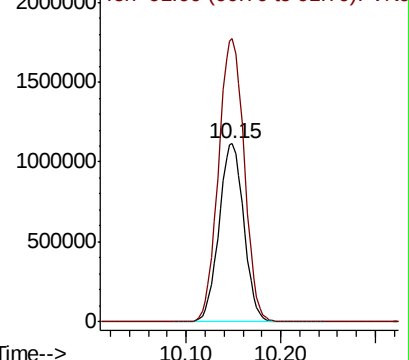
92 100

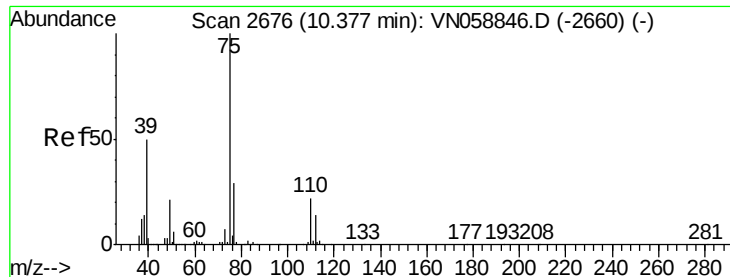
91 165.0 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 166.784 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

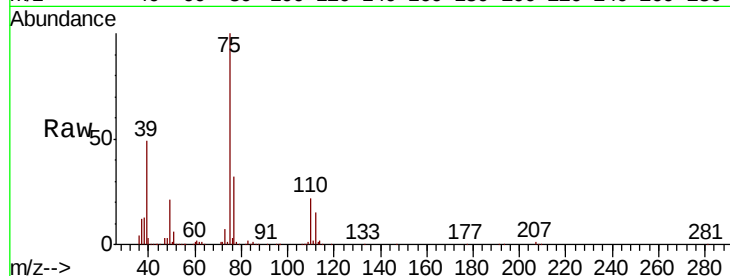
VSTDIC150

Tot Ion: 75 Resp: 1384679

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

800000

600000

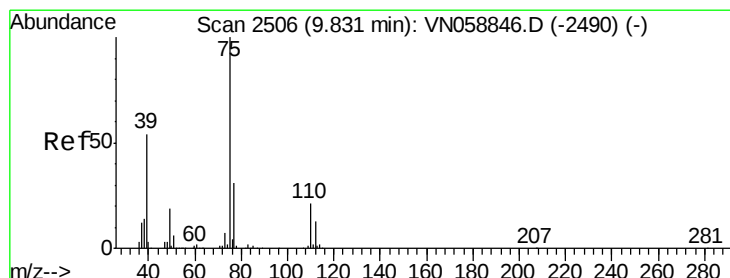
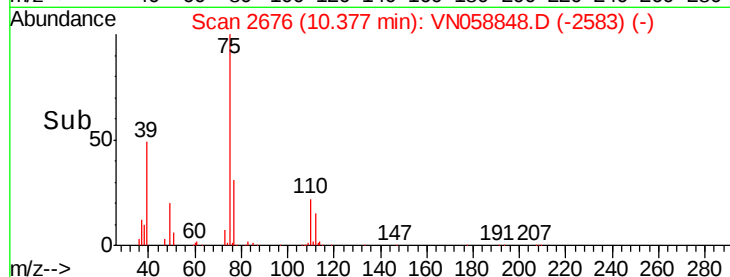
400000

200000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 164.794 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

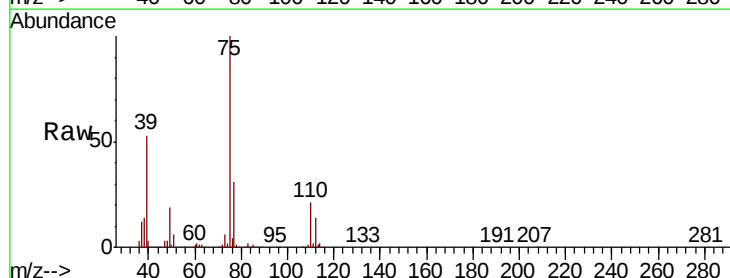
Tgt Ion: 75 Resp: 1454800

Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1

39 53.3 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

1000000

800000

600000

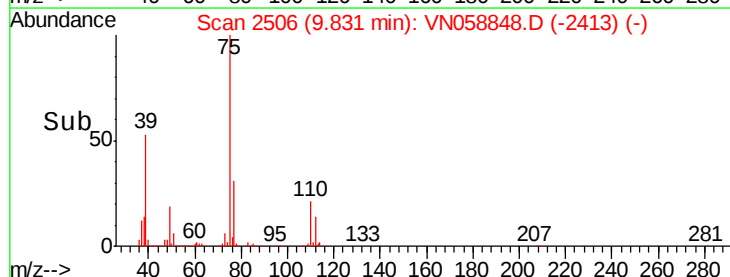
400000

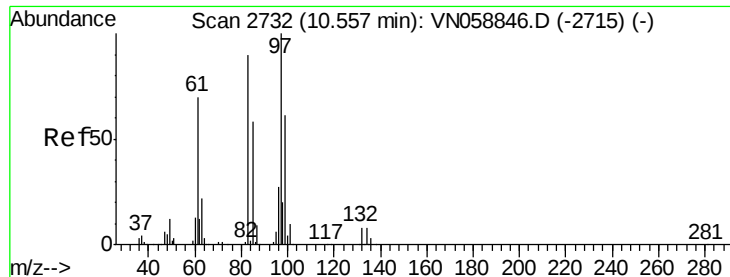
200000

0

9.75 9.80 9.85 9.90

Time-->





#55

1,1,2-Trichloroethane

Concen: 149.611 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 783775

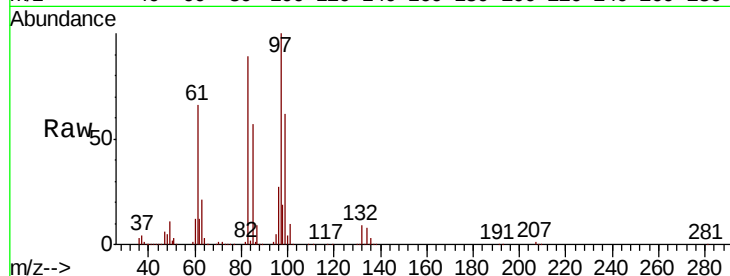
Ion Ratio Lower Upper

97 100

83 89.2 72.2 108.4

85 57.3 46.2 69.2

99 62.0 48.7 73.1

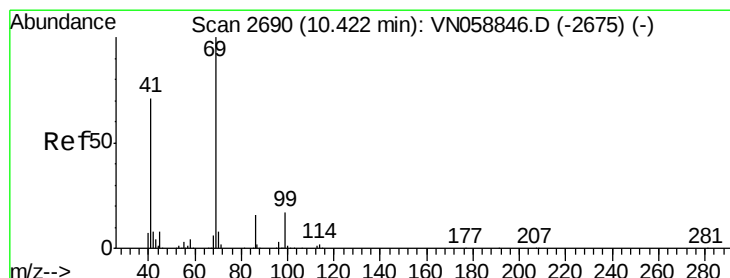
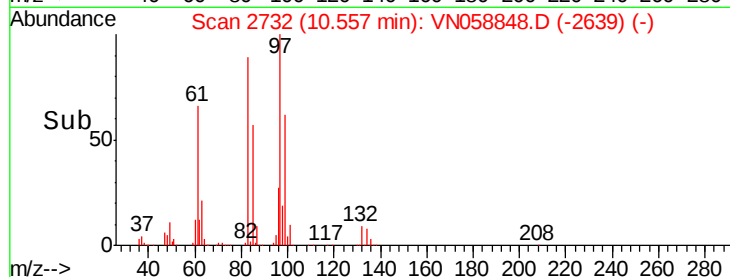
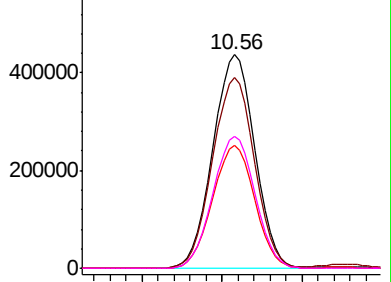


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 180.181 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

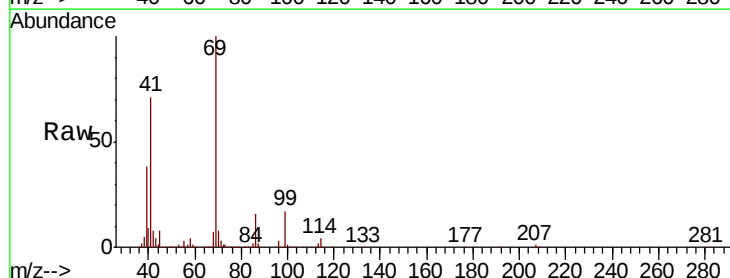
Tgt Ion: 69 Resp: 1379050

Ion Ratio Lower Upper

69 100

41 70.5 57.2 85.8

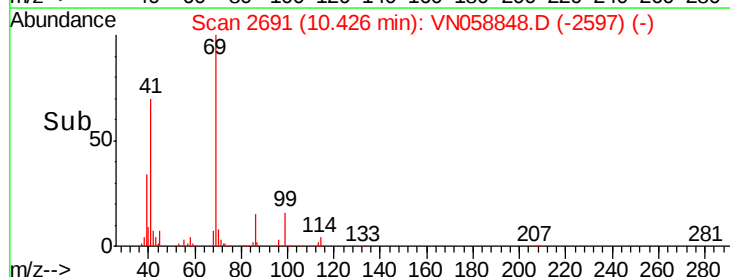
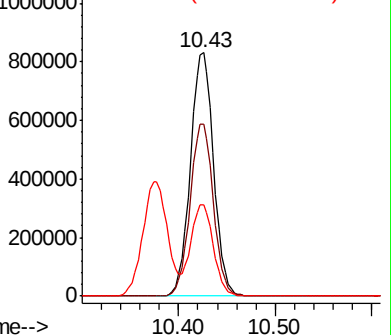
39 37.5 31.0 46.4

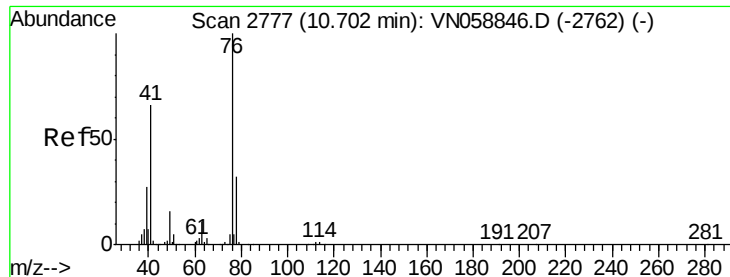


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 157.365 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

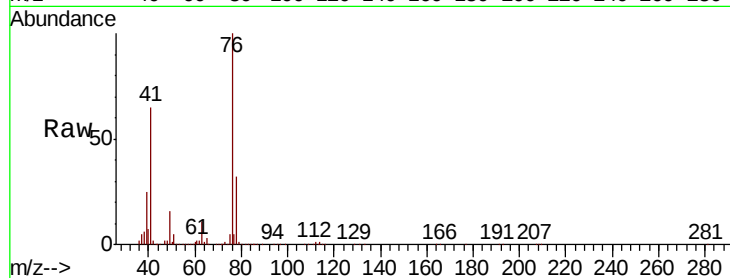
VSTDIC150

Tot Ion: 76 Resp: 1407787

Ion Ratio Lower Upper

76 100

78 32.0 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

800000

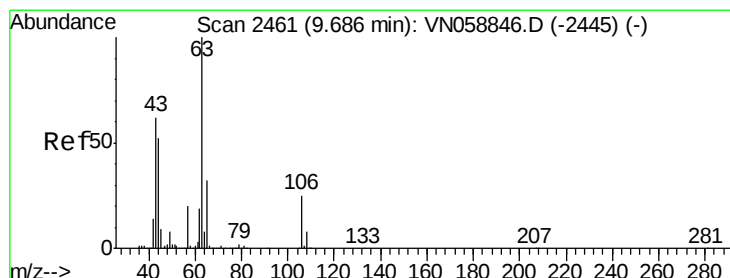
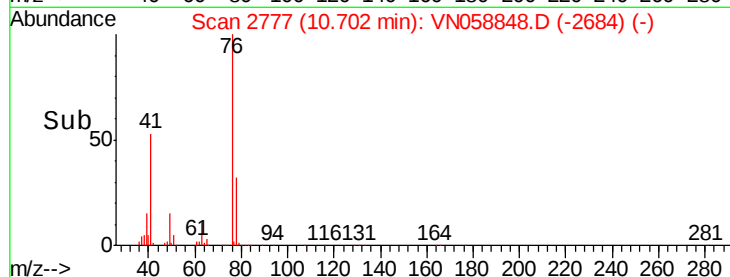
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 782.529 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058848.D

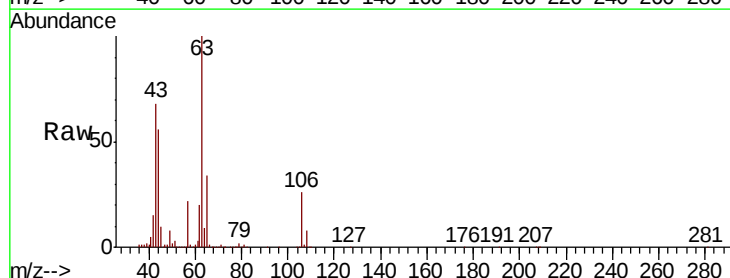
Acq: 18 Oct 2019 10:43

Tgt Ion: 63 Resp: 2832682

Ion Ratio Lower Upper

63 100

106 25.2 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

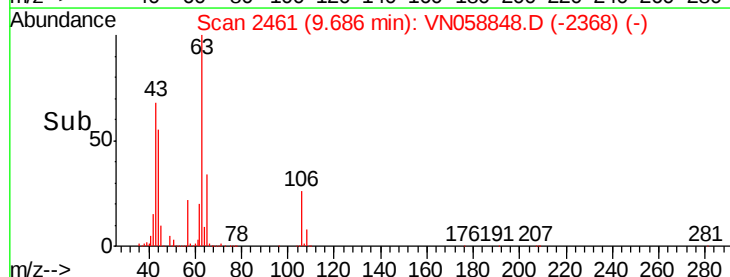
1500000

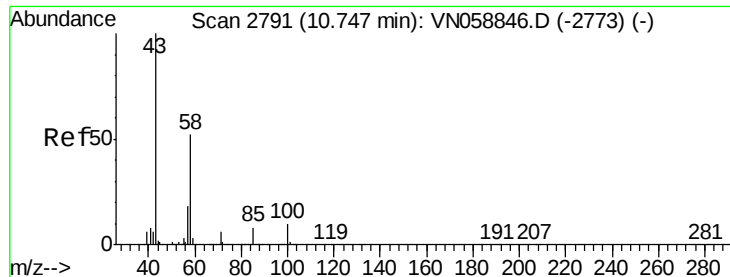
1000000

500000

0

Time-->

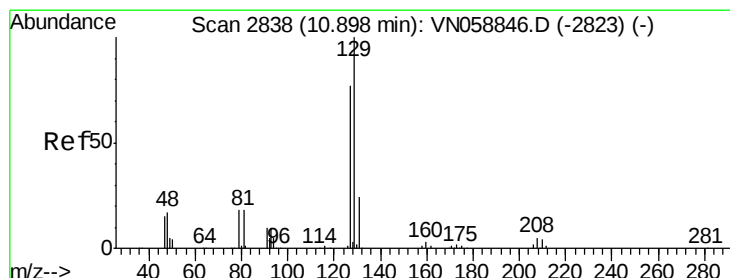
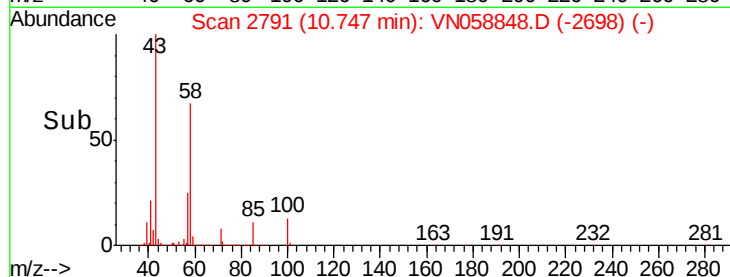
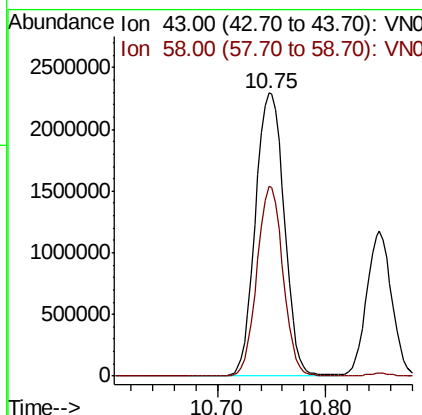
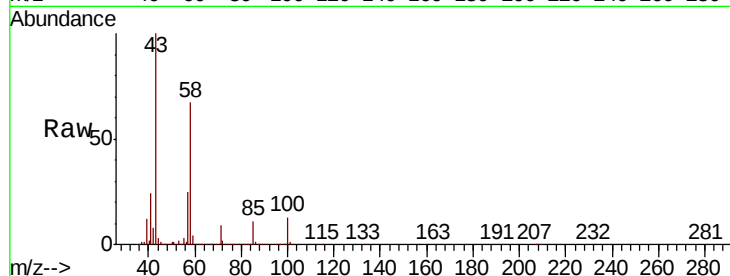




#59
2-Hexanone
Concen: 769.943 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

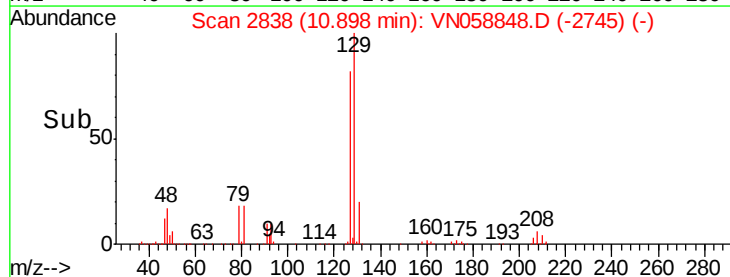
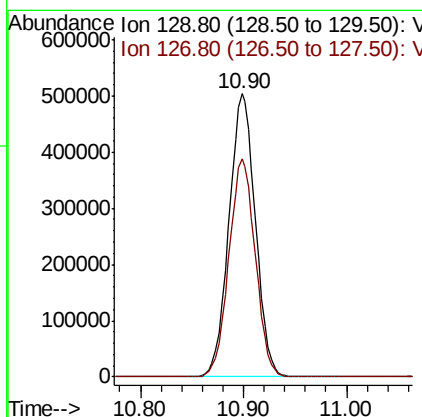
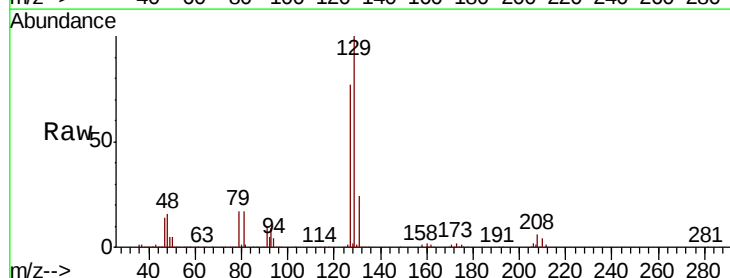
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

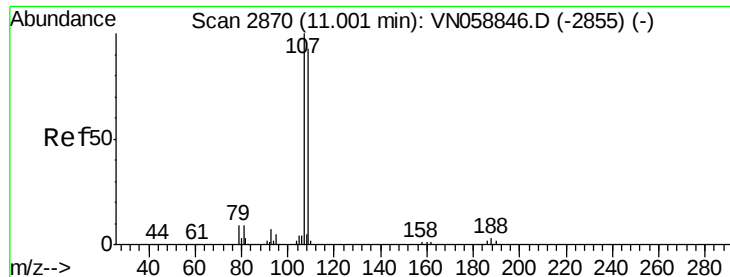
Tot Ion: 43 Resp: 4247097
Ion Ratio Lower Upper
43 100
58 60.8 25.9 77.7



#60
Dibromochloromethane
Concen: 165.862 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 129 Resp: 897167
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 159.962 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

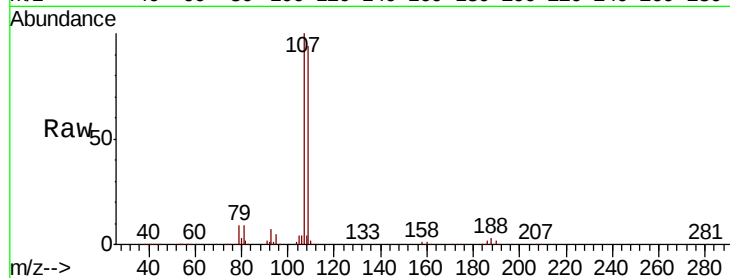
VSTDIC150

Tot Ion:107 Resp: 840028

Ion Ratio Lower Upper

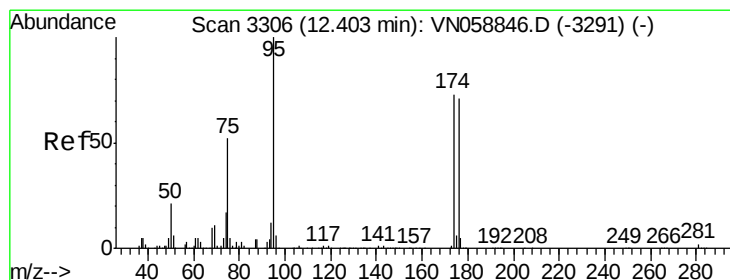
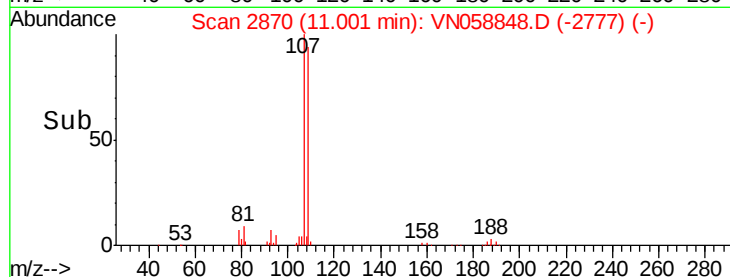
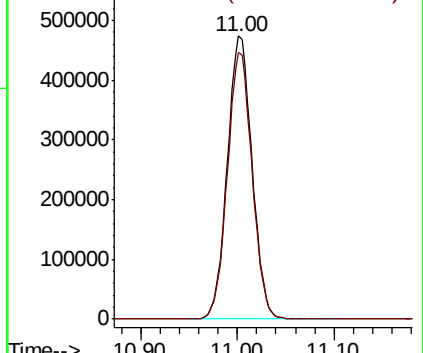
107 100

109 94.5 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 159.965 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

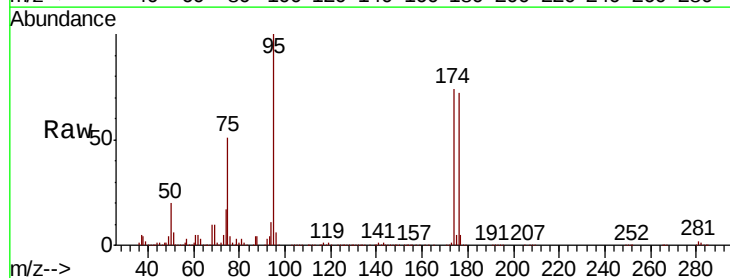
Tgt Ion: 95 Resp: 1068818

Ion Ratio Lower Upper

95 100

174 75.2 0.0 147.6

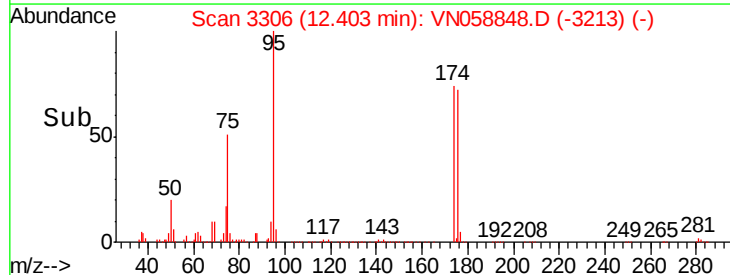
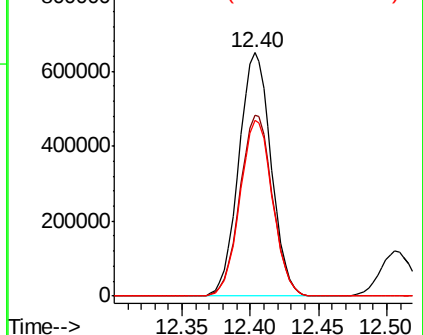
176 72.7 0.0 143.2

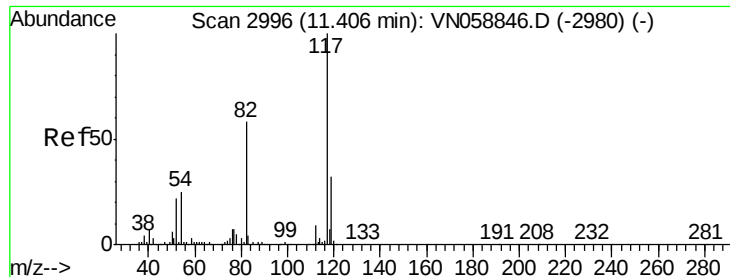


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

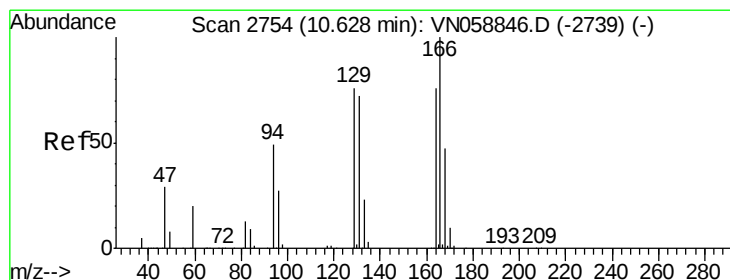
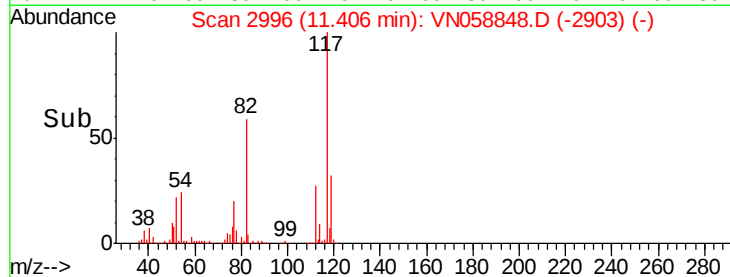
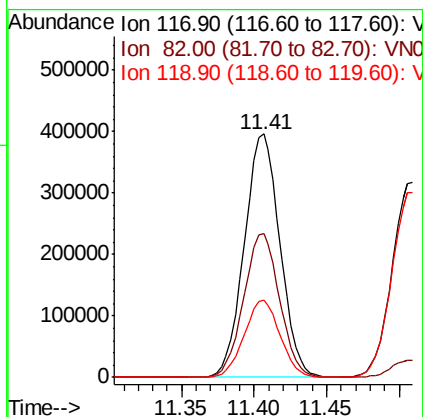
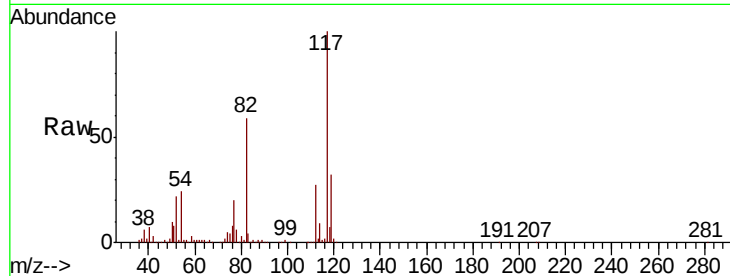




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

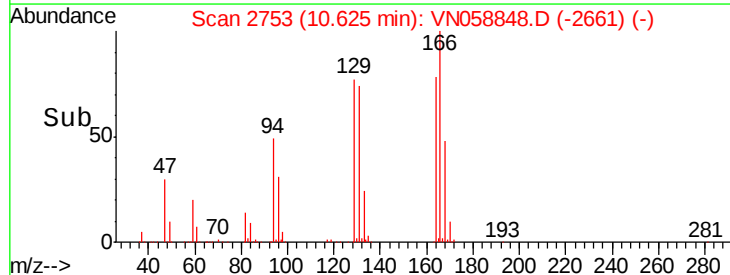
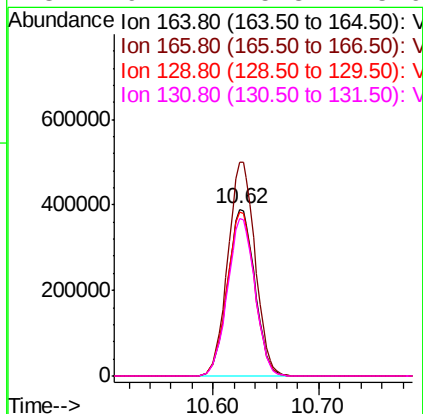
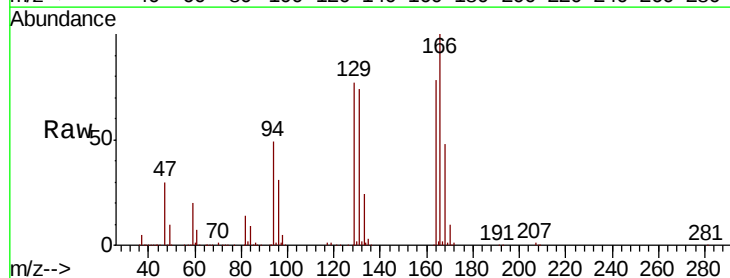
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

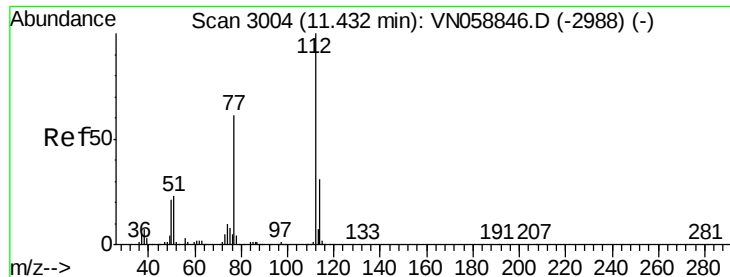
Tot Ion:117 Resp: 677694
Ion Ratio Lower Upper
117 100
82 58.9 46.6 69.8
119 31.6 25.6 38.4



#64
Tetrachloroethene
Concen: 145.479 ug/l
RT: 10.62 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion:164 Resp: 694005
Ion Ratio Lower Upper
164 100
166 127.9 104.8 157.2
129 98.4 79.3 118.9
131 94.1 75.8 113.6





#65

Chlorobenzene

Concen: 152.552 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

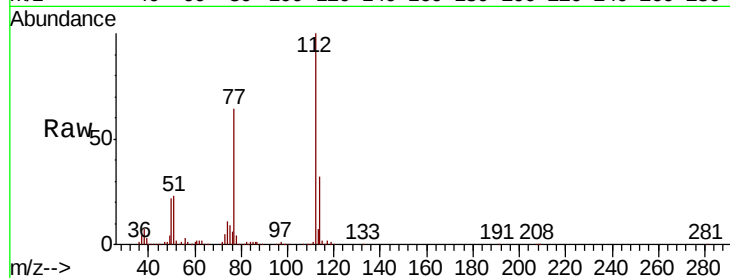
VSTDIC150

Tot Ion:112 Resp: 2111804

Ion Ratio Lower Upper

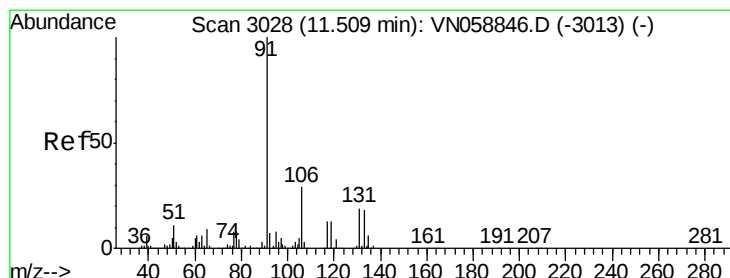
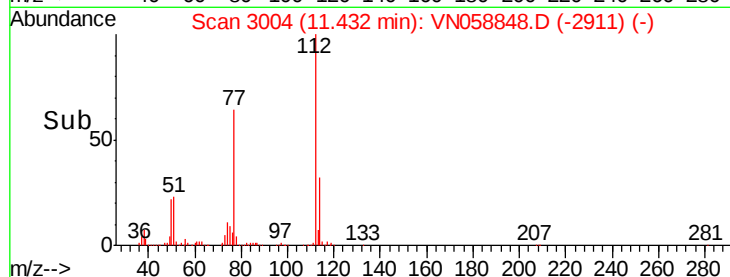
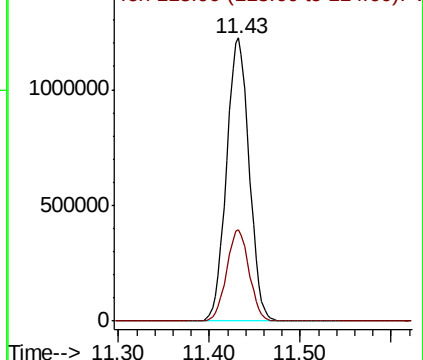
112 100

114 32.3 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 155.417 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

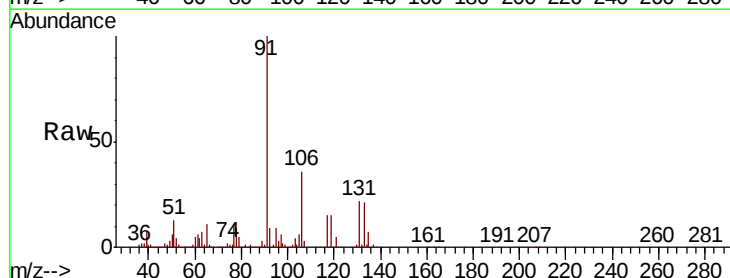
Tgt Ion:131 Resp: 796288

Ion Ratio Lower Upper

131 100

133 95.8 48.4 145.2

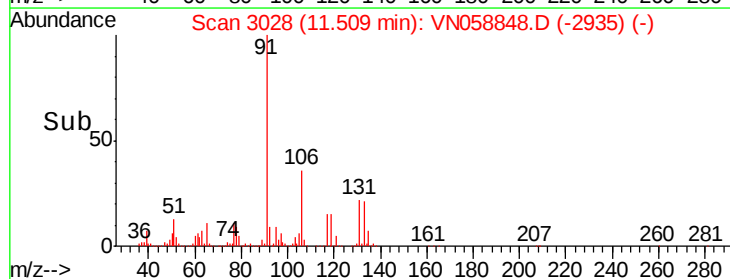
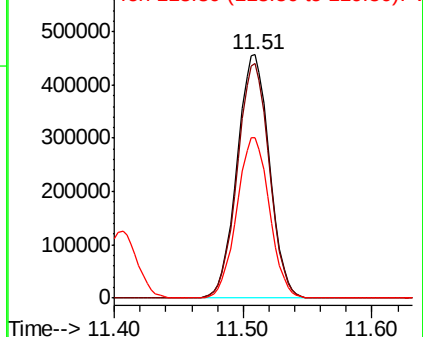
119 66.4 33.6 100.8

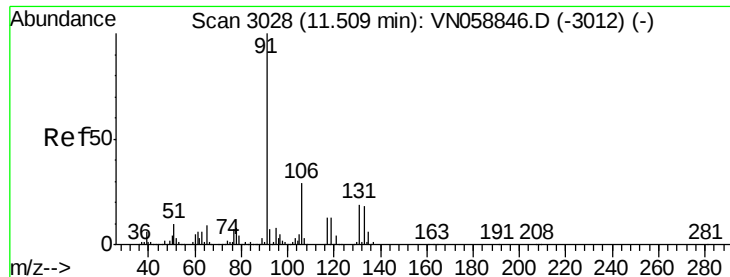


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 148.133 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

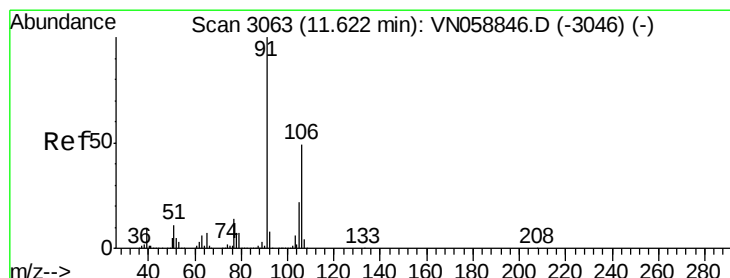
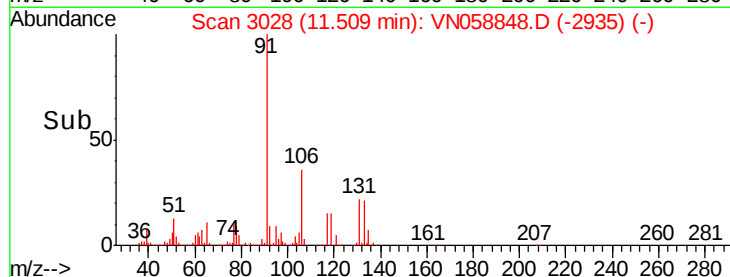
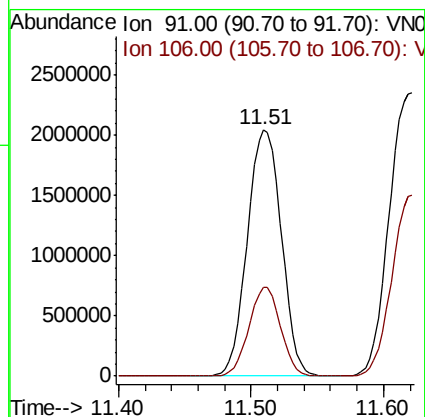
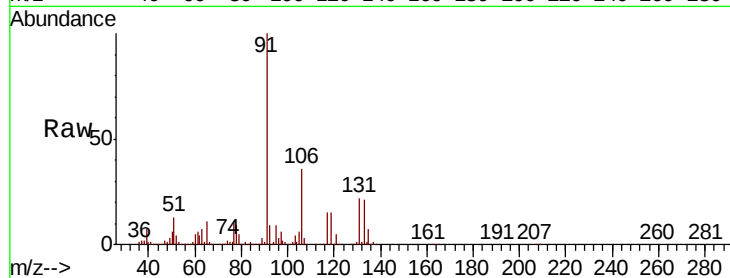
VSTDIC150

Tot Ion: 91 Resp: 3654459

Ion Ratio Lower Upper

91 100

106 36.3 23.4 35.0#



#68

m/p-Xylenes

Concen: 316.281 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058848.D

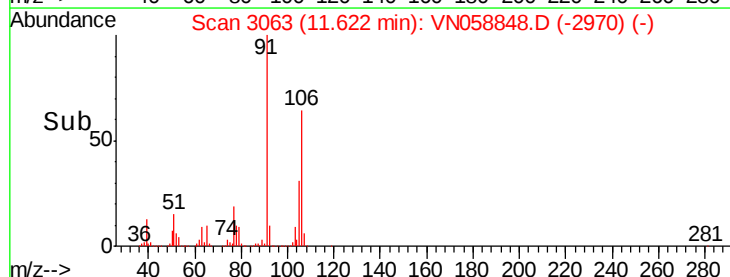
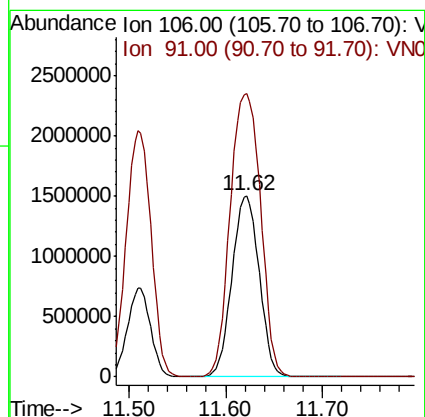
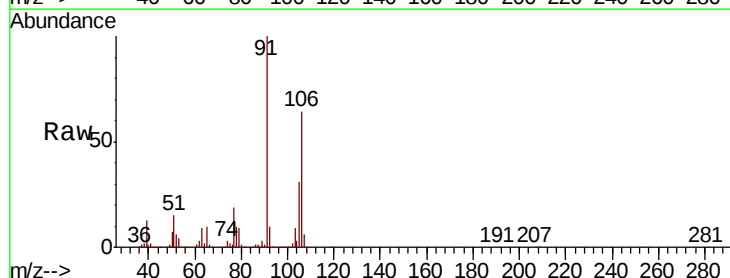
Acq: 18 Oct 2019 10:43

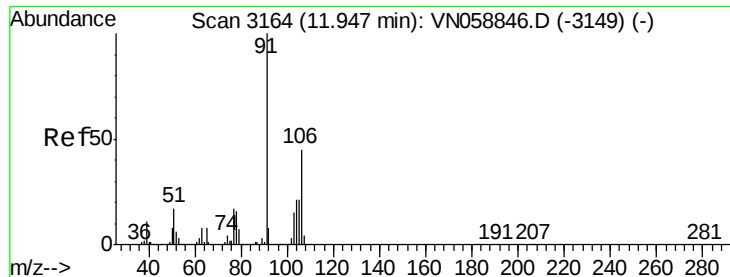
Tgt Ion:106 Resp: 2927144

Ion Ratio Lower Upper

106 100

91 175.6 166.6 249.8

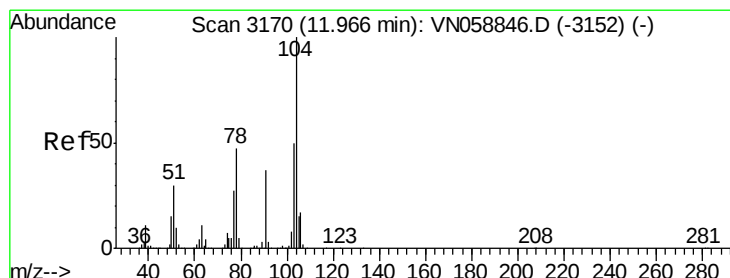
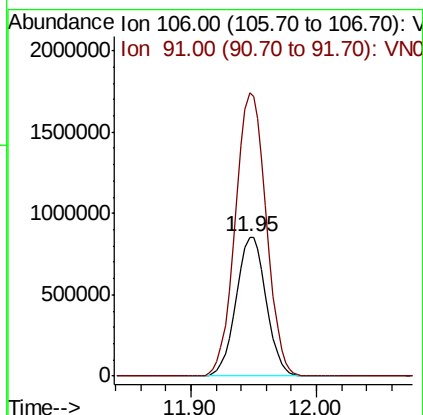
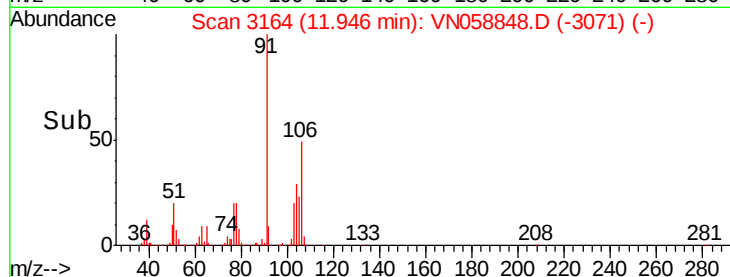
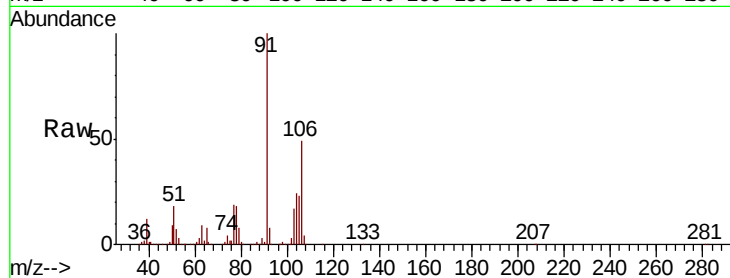




#69
o-Xylene
Concen: 159.160 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

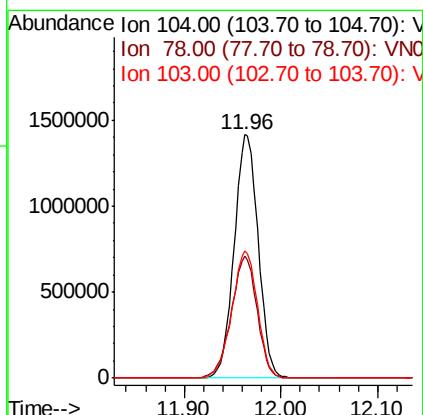
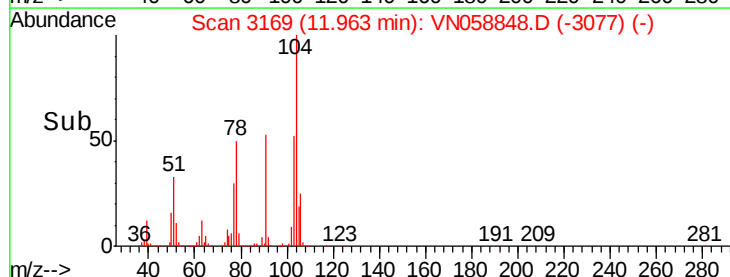
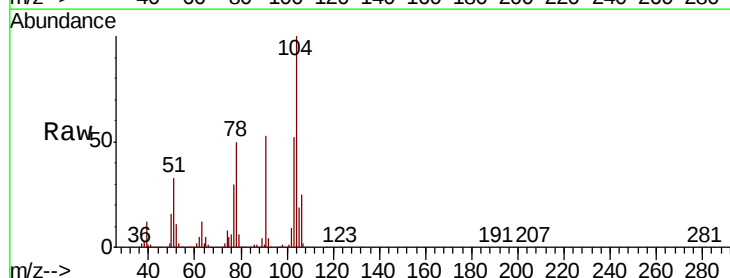
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

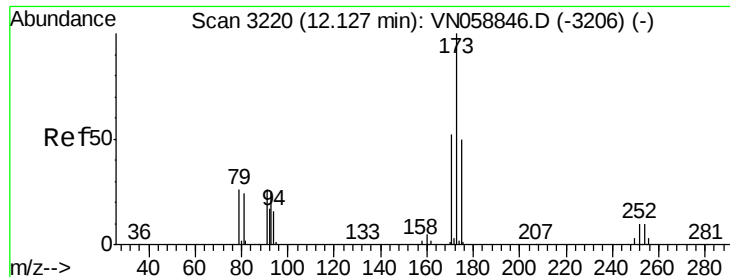
Tot Ion:106 Resp: 1423537
Ion Ratio Lower Upper
106 100
91 209.4 111.5 334.4



#70
Styrene
Concen: 166.837 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion:104 Resp: 2444476
Ion Ratio Lower Upper
104 100
78 53.6 42.8 64.2
103 55.6 44.3 66.5





#71

Bromoform

Concen: 176.166 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

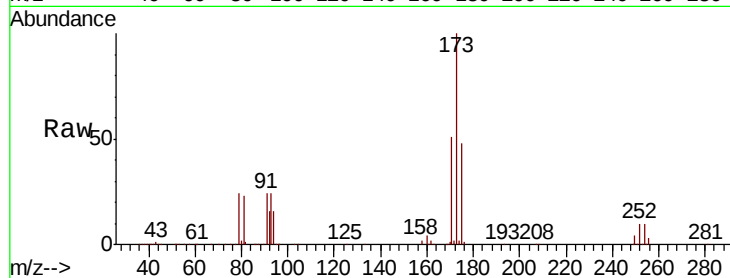
Tot Ion:173 Resp: 666040

Ion Ratio Lower Upper

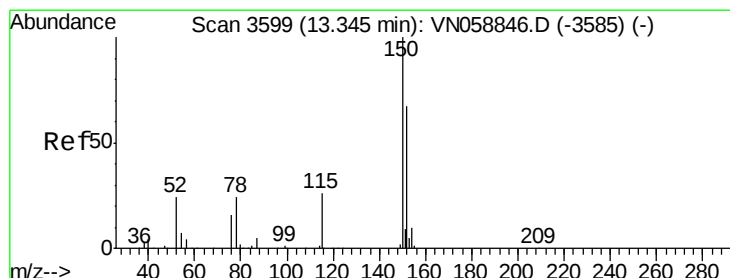
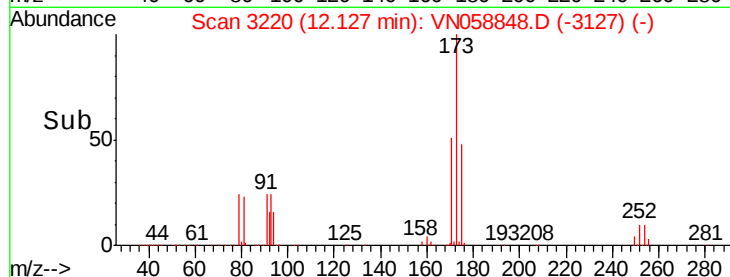
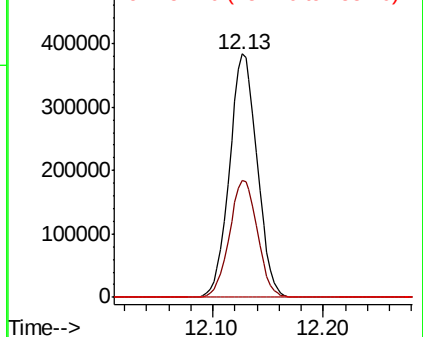
173 100

175 48.6 24.7 74.1

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

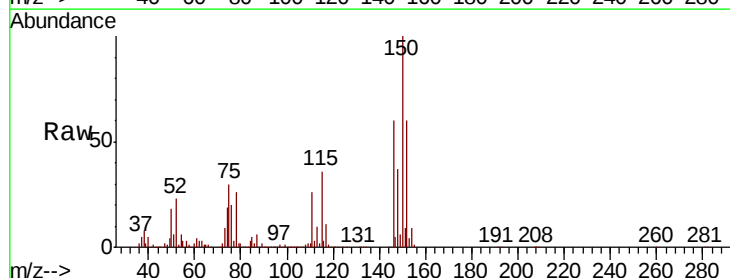
Tgt Ion:152 Resp: 351051

Ion Ratio Lower Upper

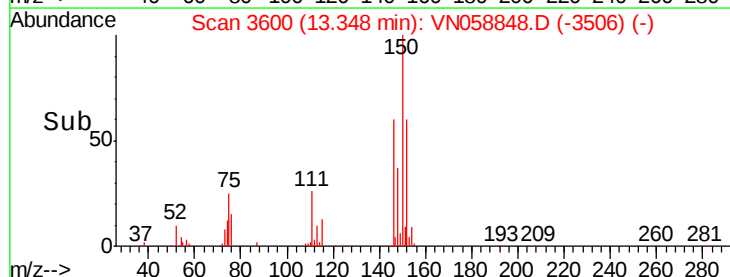
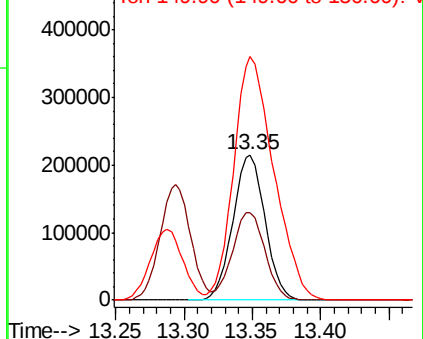
152 100

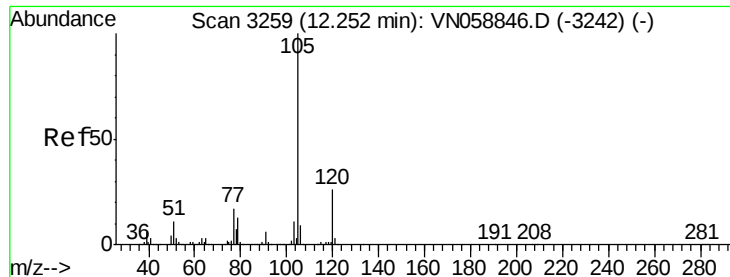
115 61.3 30.5 91.5

150 208.5 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 140.074 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

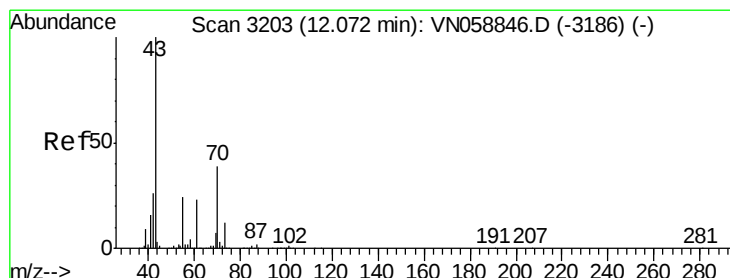
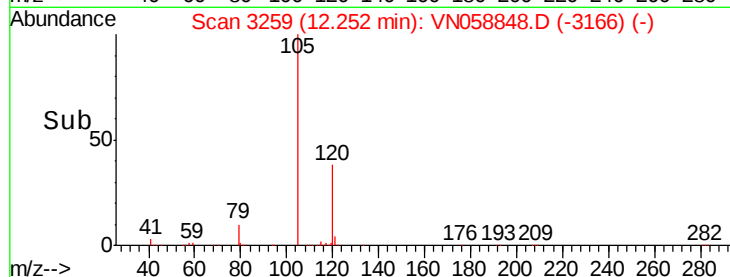
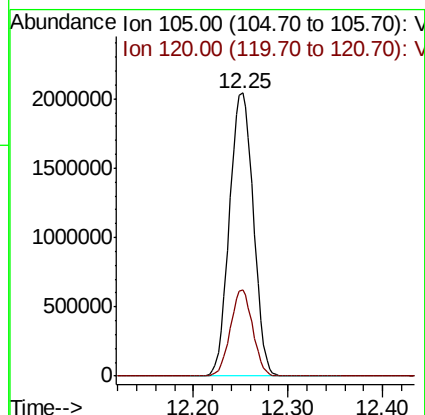
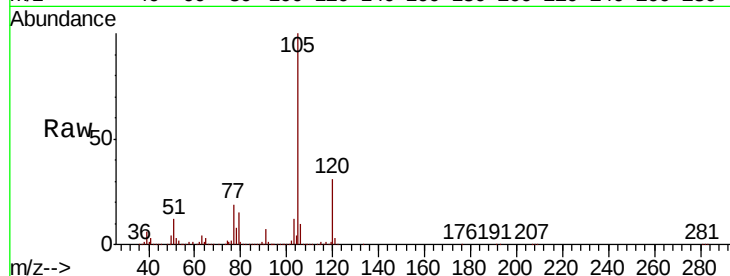
VSTDIC150

Tot Ion:105 Resp: 3587471

Ion Ratio Lower Upper

105 100

120 28.5 12.8 38.4



#74

N-ethyl acetate

Concen: 167.577 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Tgt Ion: 43 Resp: 1943671

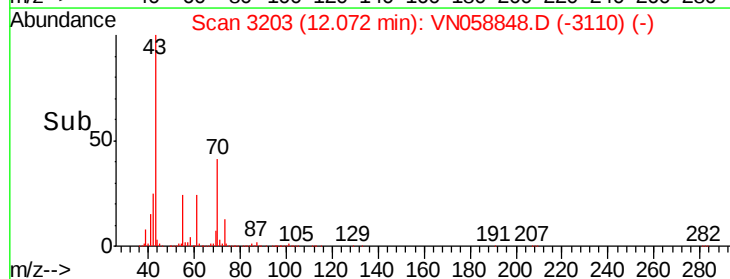
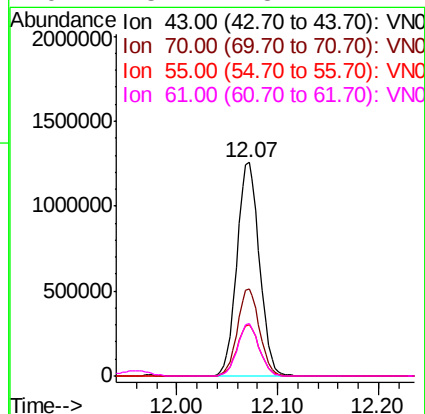
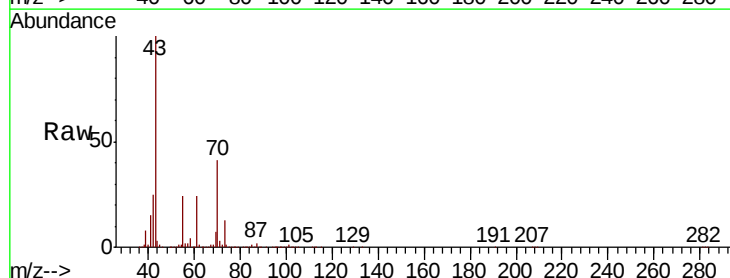
Ion Ratio Lower Upper

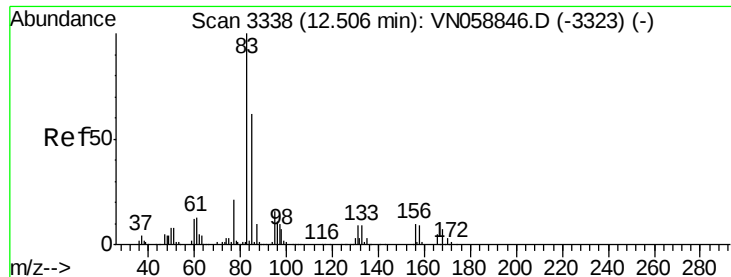
43 100

70 40.2 30.9 46.3

55 23.8 19.7 29.5

61 23.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 150.358 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

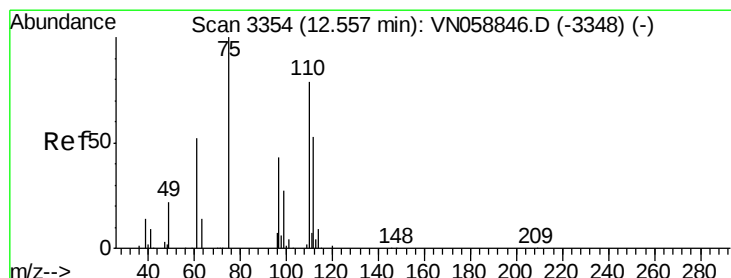
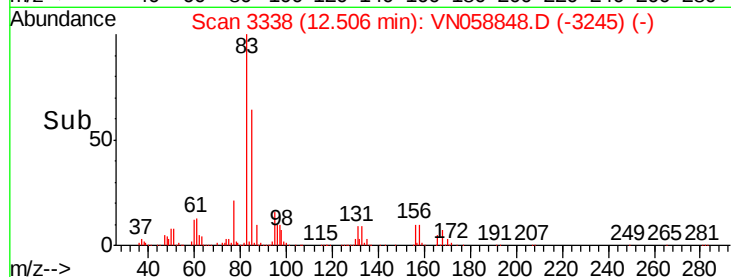
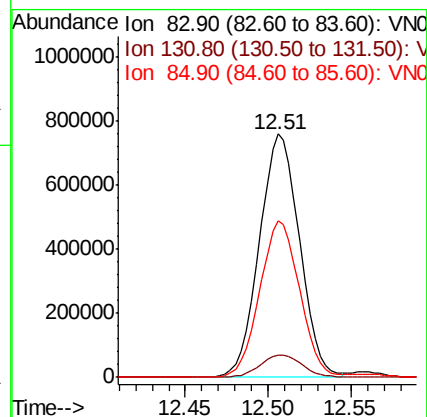
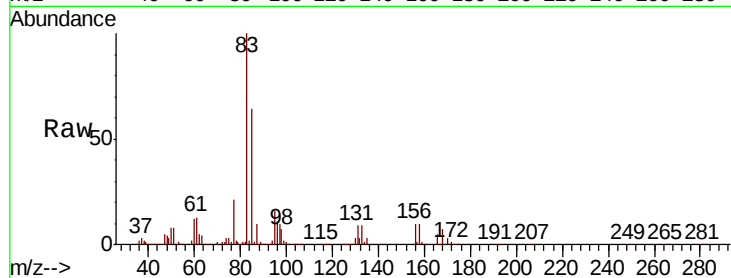
Tot Ion: 83 Resp: 1278769

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	64.2	31.7	95.1

83 100

131 9.7 4.7 14.1

85 64.2 31.7 95.1



#76

1,2,3-Trichloropropane

Concen: 224.744 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058848.D

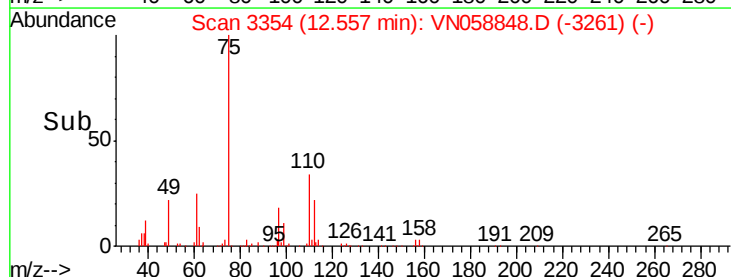
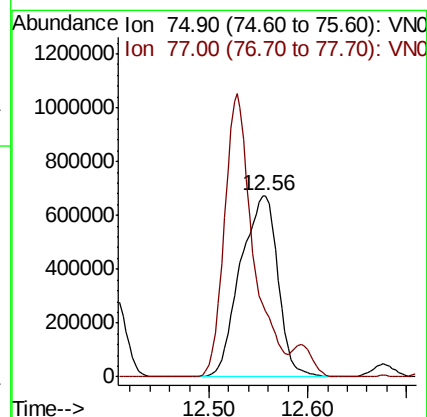
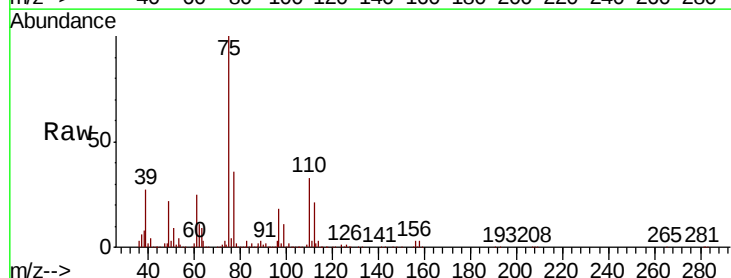
Acq: 18 Oct 2019 10:43

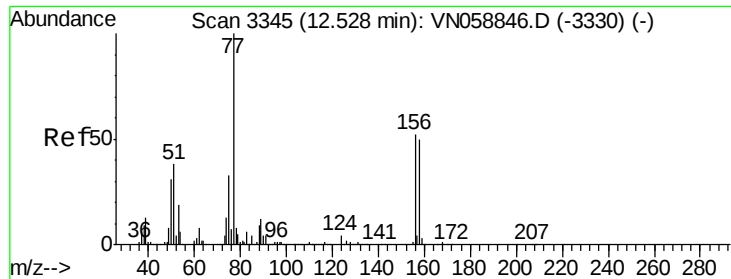
Tgt Ion: 75 Resp: 1775652

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 147.252 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

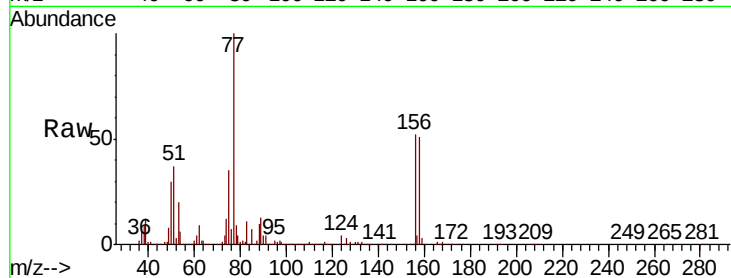
Tot Ion:156 Resp: 919008

Ion Ratio Lower Upper

156 100

77 234.9 118.0 354.0

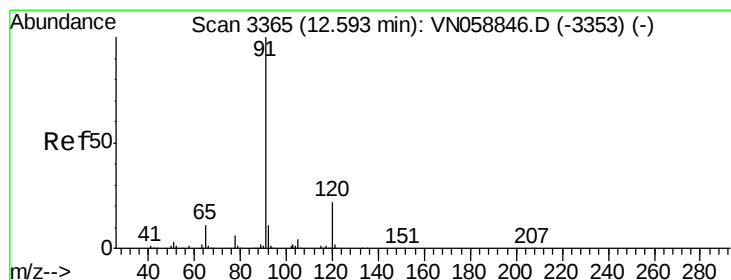
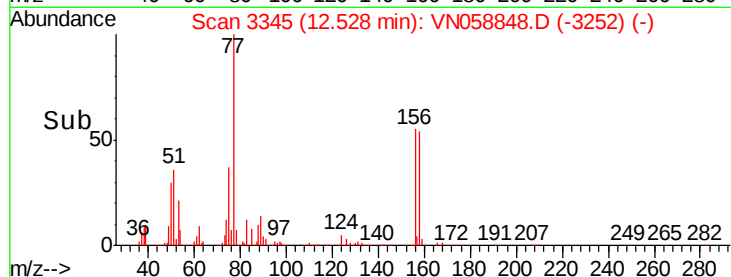
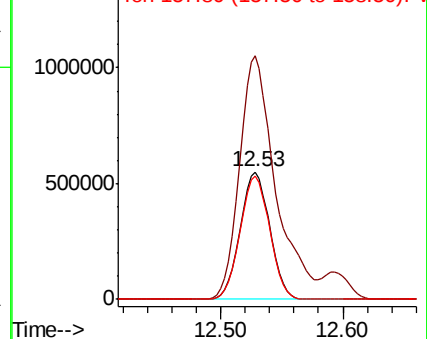
158 97.1 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 136.384 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058848.D

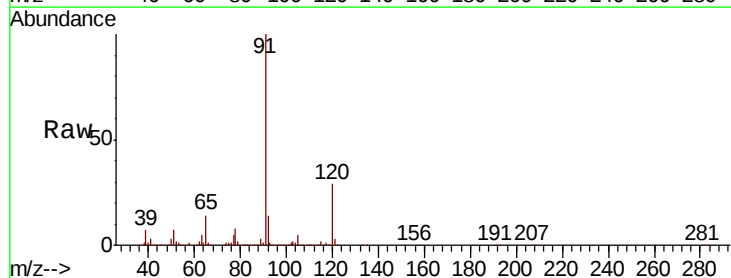
Acq: 18 Oct 2019 10:43

Tgt Ion: 91 Resp: 4075675

Ion Ratio Lower Upper

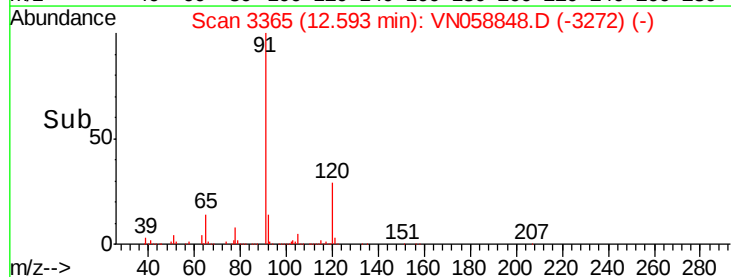
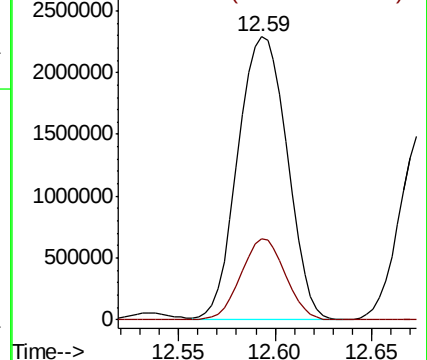
91 100

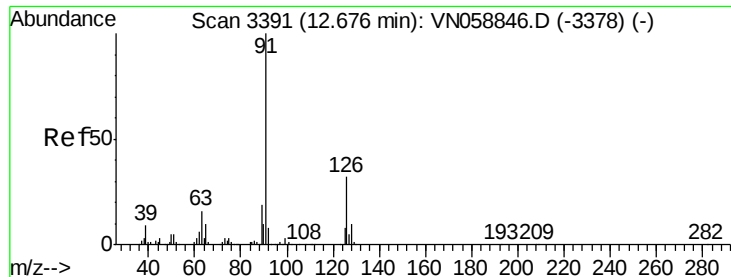
120 25.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 143.711 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

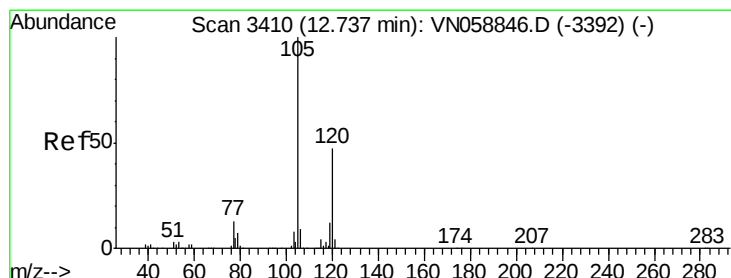
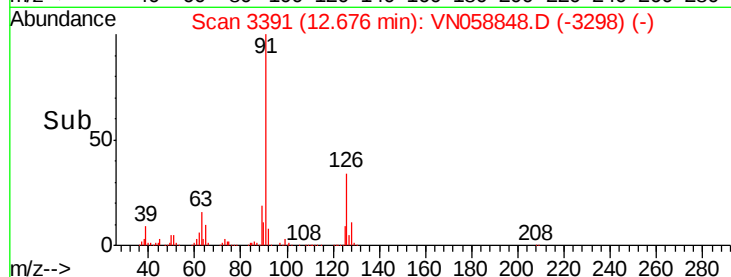
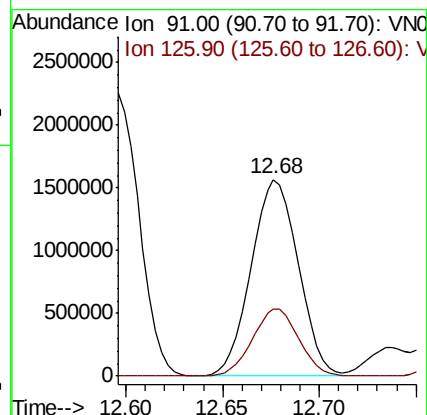
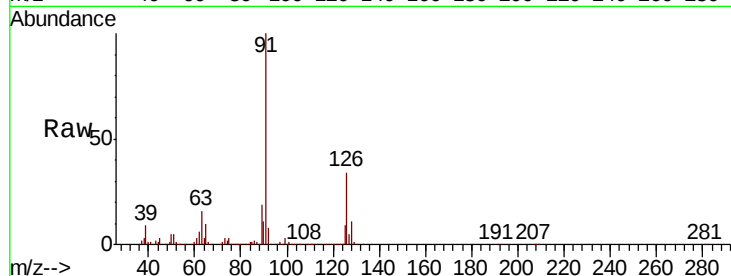
VSTDIC150

Tot Ion: 91 Resp: 2664951

Ion Ratio Lower Upper

91 100

126 33.5 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 145.099 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058848.D

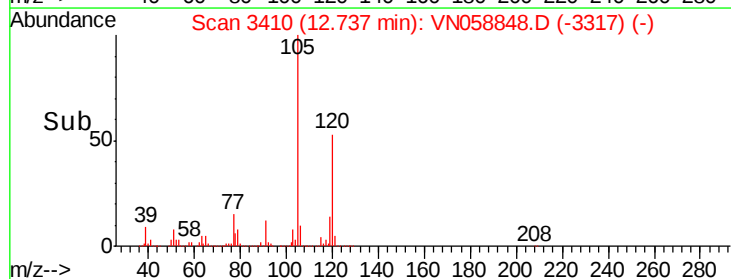
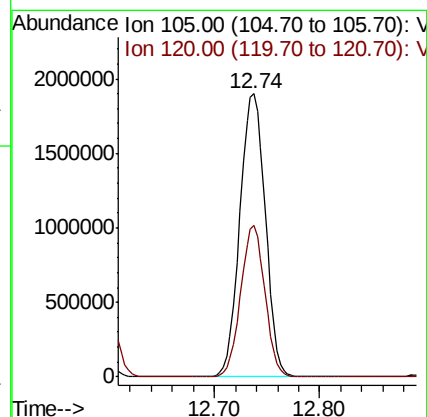
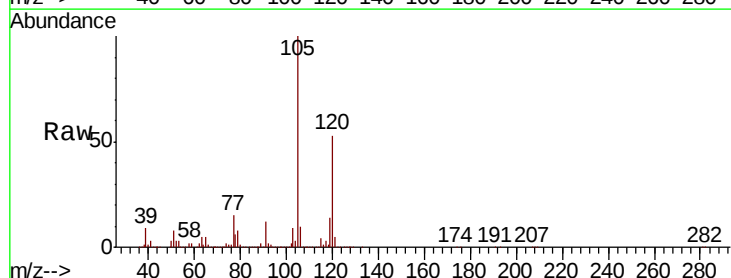
Acq: 18 Oct 2019 10:43

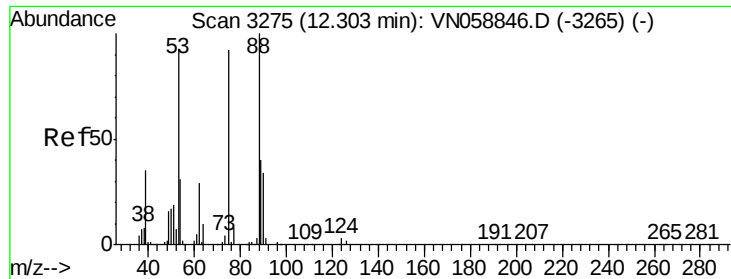
Tgt Ion:105 Resp: 3172582

Ion Ratio Lower Upper

105 100

120 50.8 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 168.448 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

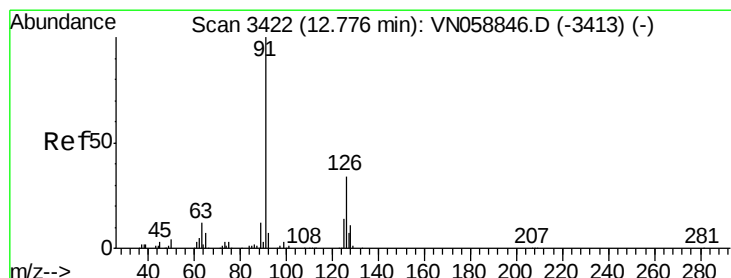
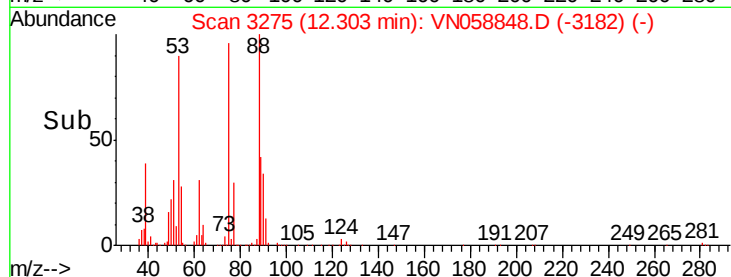
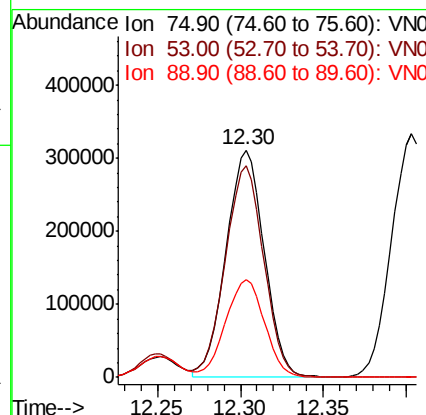
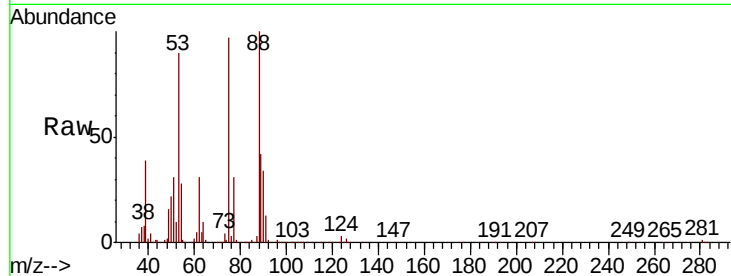
Tot Ion: 75 Resp: 495837

Ion Ratio Lower Upper

75 100

53 94.2 78.6 118.0

89 44.3 35.4 53.0



#82

4-Chlorotoluene

Concen: 146.918 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058848.D

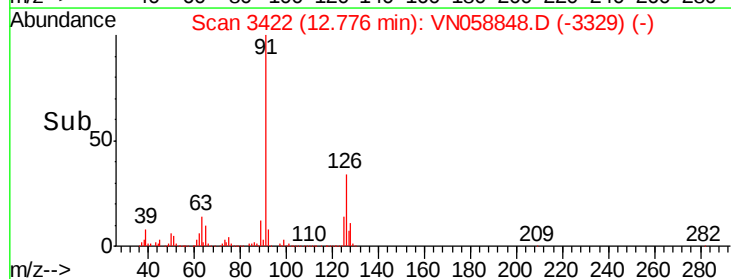
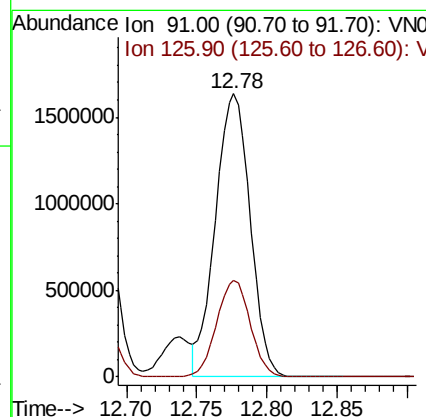
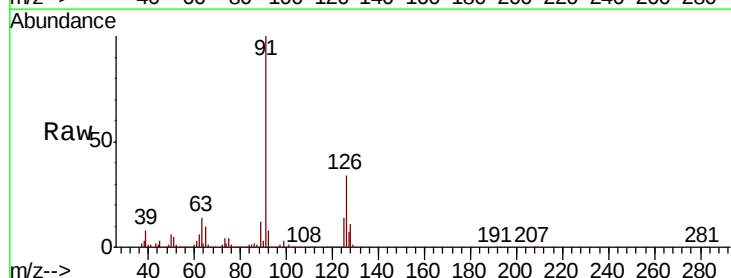
Acq: 18 Oct 2019 10:43

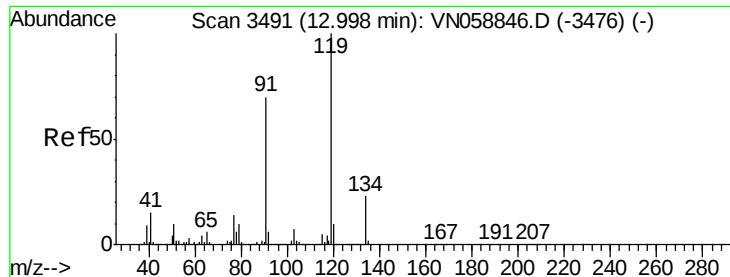
Tgt Ion: 91 Resp: 2794458

Ion Ratio Lower Upper

91 100

126 33.0 16.0 47.9





#83

tert-Butylbenzene

Concen: 148.100 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

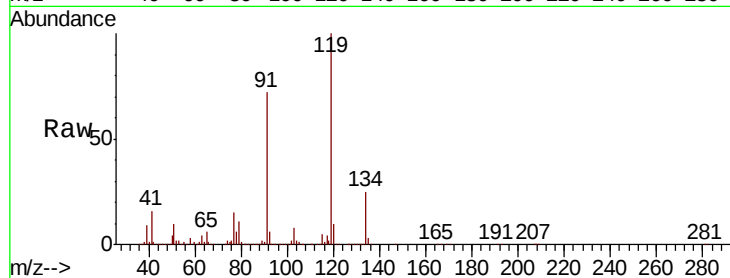
Tot Ion:119 Resp: 2773433

Ion Ratio Lower Upper

119 100

91 69.1 34.1 102.3

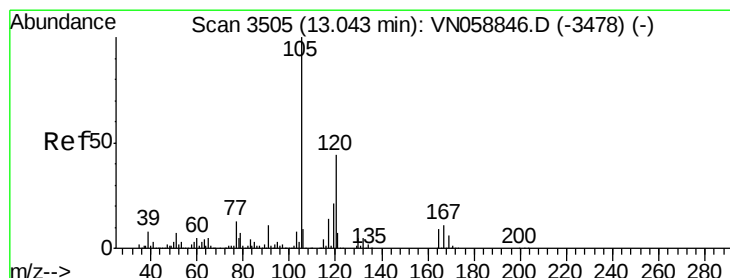
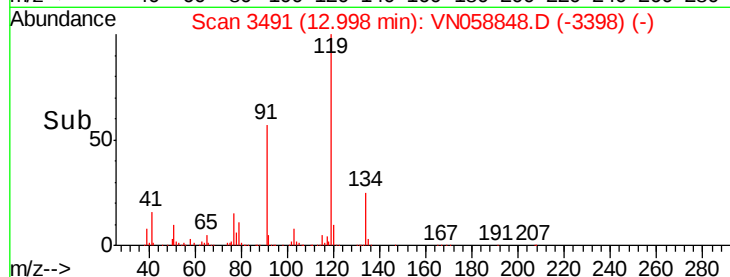
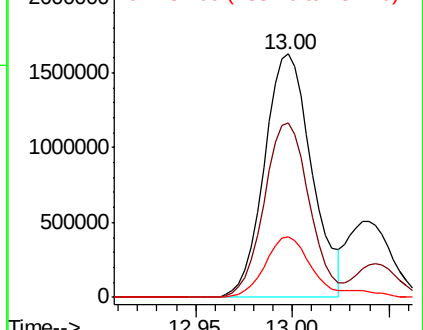
134 23.9 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 146.064 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058848.D

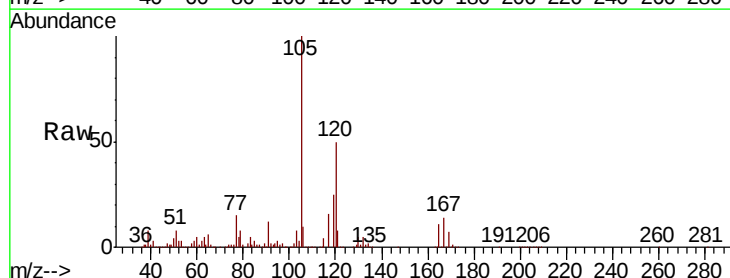
Acq: 18 Oct 2019 10:43

Tgt Ion:105 Resp: 3174823

Ion Ratio Lower Upper

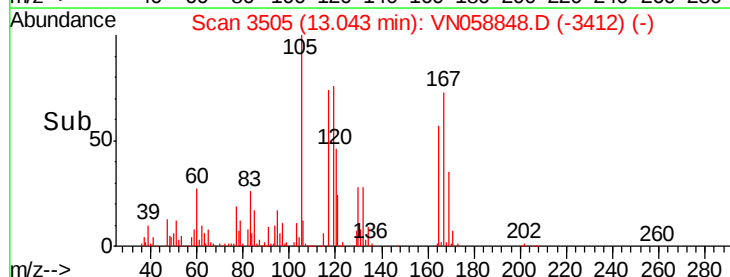
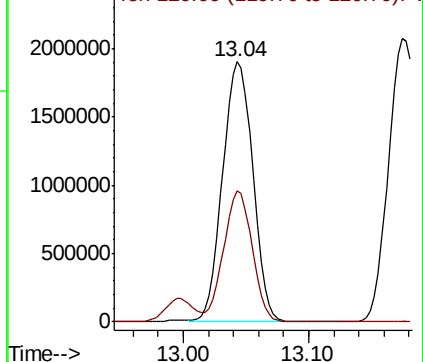
105 100

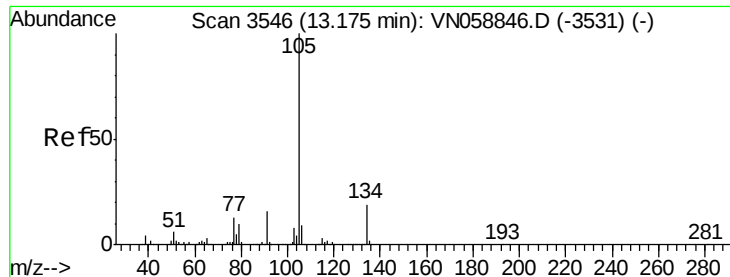
120 47.9 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 144.495 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

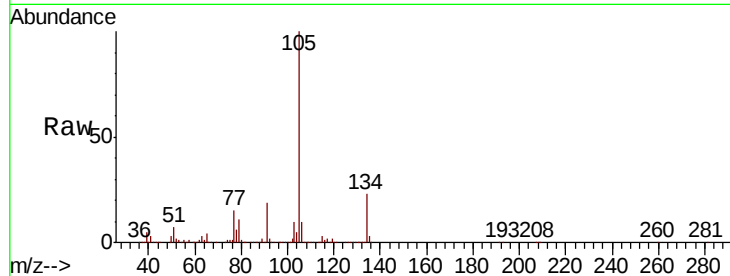
VSTDIC150

Tot Ion:105 Resp: 3569280

Ion Ratio Lower Upper

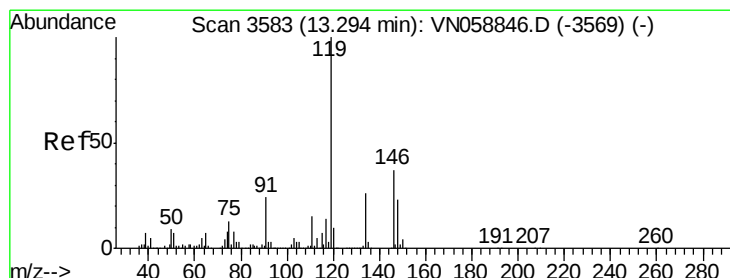
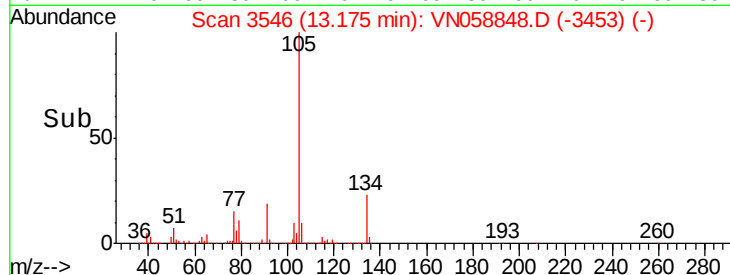
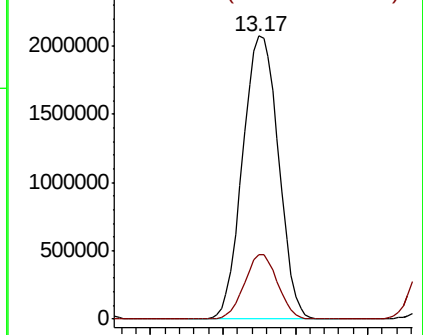
105 100

134 21.2 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 146.765 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

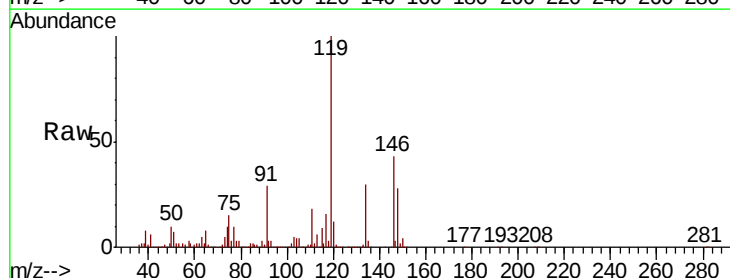
Tgt Ion:119 Resp: 3286609

Ion Ratio Lower Upper

119 100

134 28.2 12.8 38.4

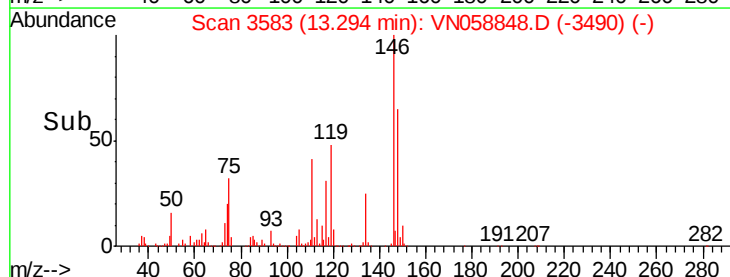
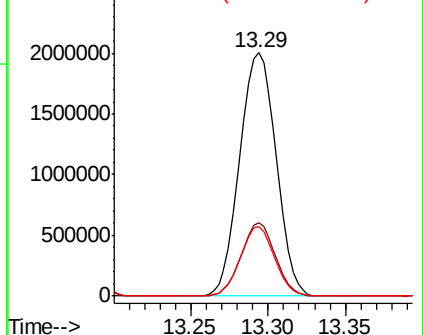
91 26.6 12.2 36.4

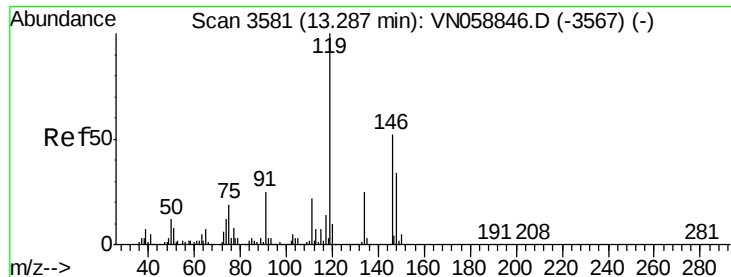


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 150.120 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

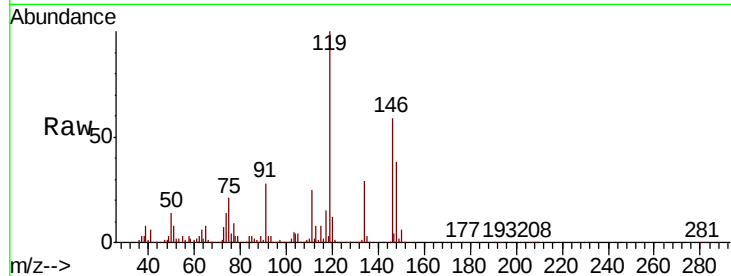
Tot Ion:146 Resp: 1721885

Ion Ratio Lower Upper

146 100

111 41.9 21.0 63.0

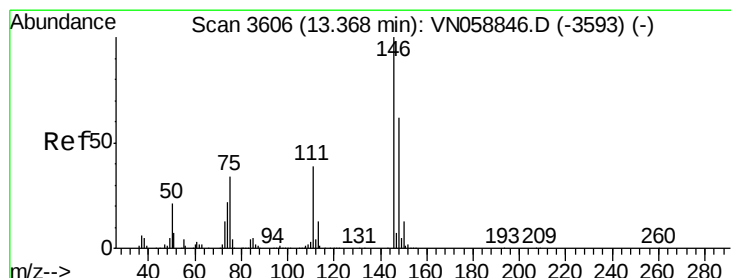
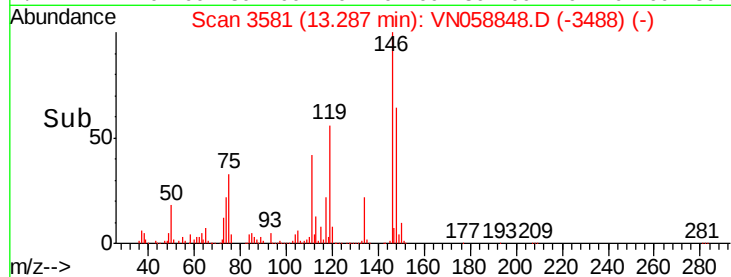
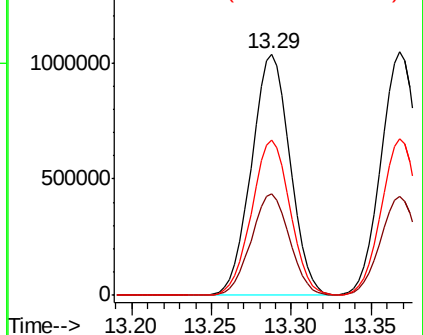
148 64.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 147.473 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

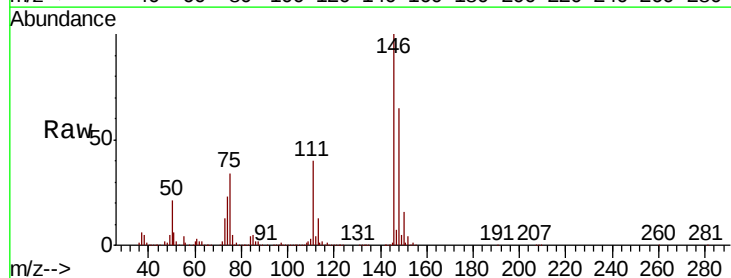
Tgt Ion:146 Resp: 1722139

Ion Ratio Lower Upper

146 100

111 40.4 20.2 60.6

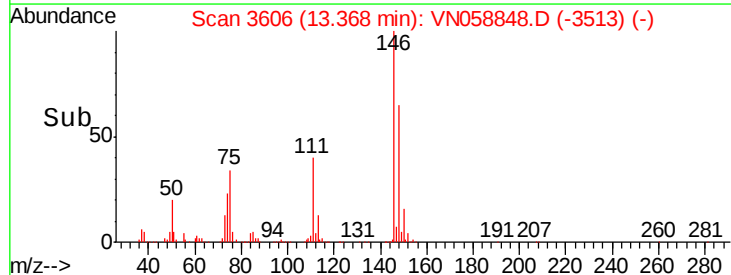
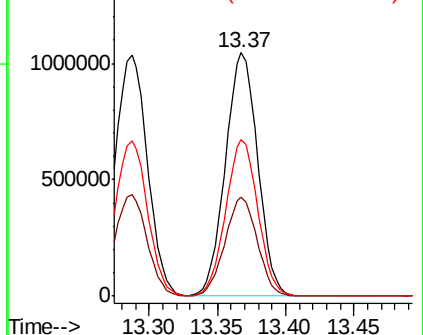
148 63.8 31.6 94.7

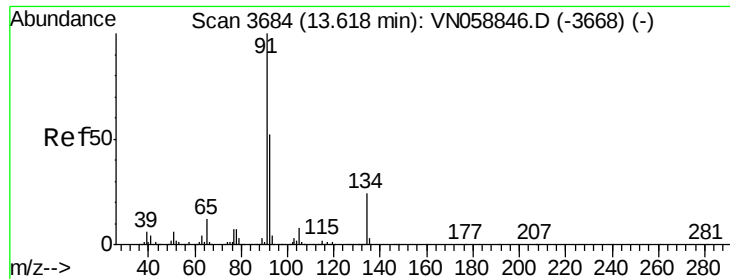


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

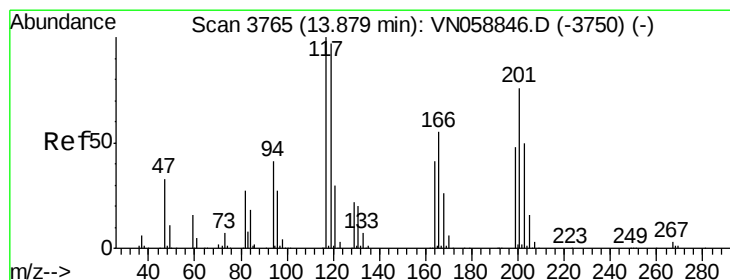
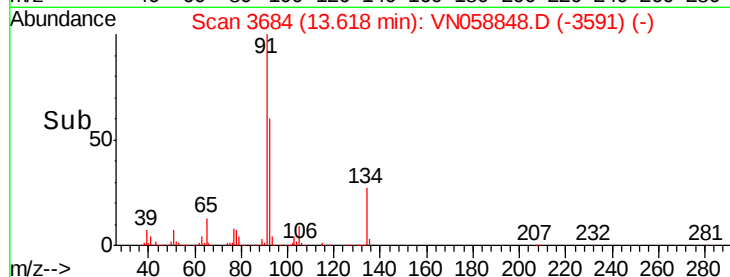
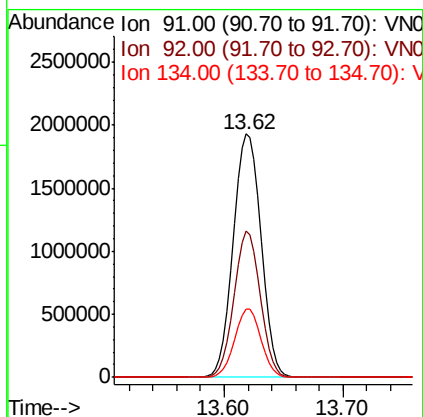
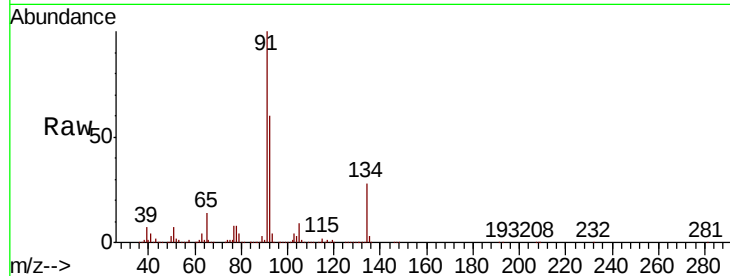




#89
n-Butylbenzene
Concen: 151.418 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

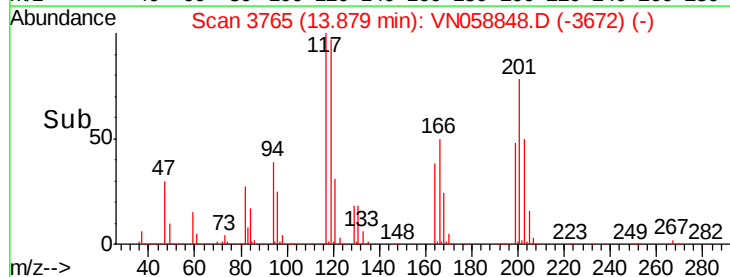
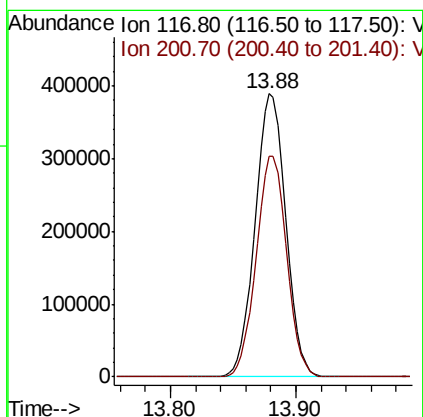
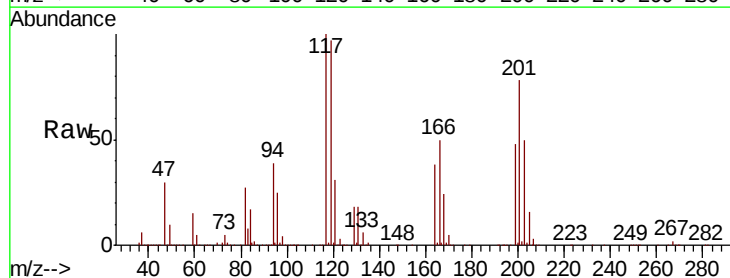
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

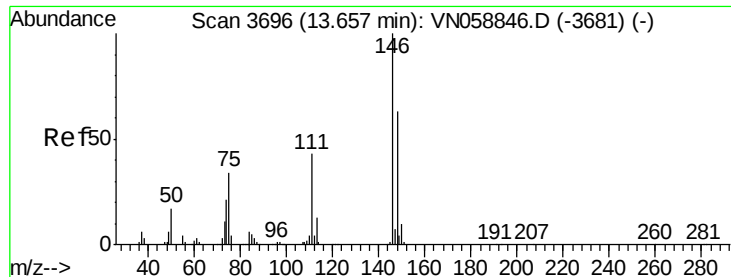
Tot Ion: 91 Resp: 3136120
Ion Ratio Lower Upper
91 100
92 56.5 25.7 77.1
134 26.7 11.9 35.5



#90
Hexachloroethane
Concen: 163.619 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 117 Resp: 662214
Ion Ratio Lower Upper
117 100
201 77.4 38.9 116.6

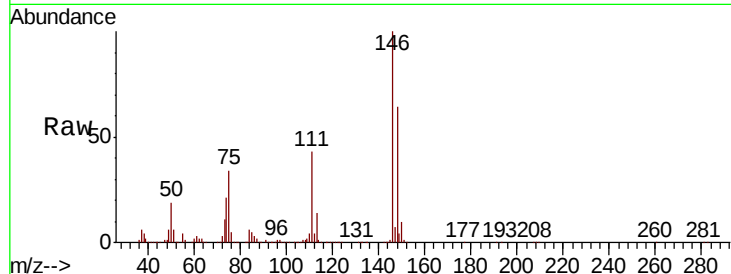




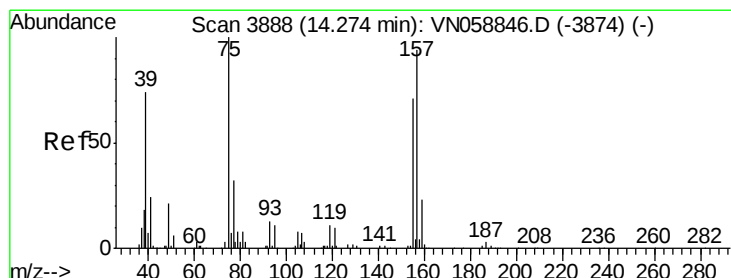
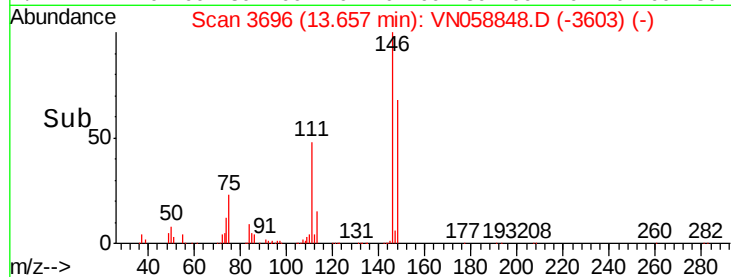
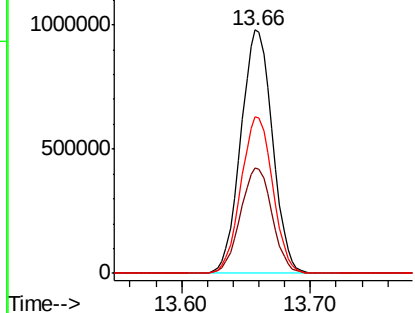
#91
 1,2-Dichlorobenzene
 Concen: 149.431 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1673982
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.6 64.8
 148 64.5 31.9 95.9

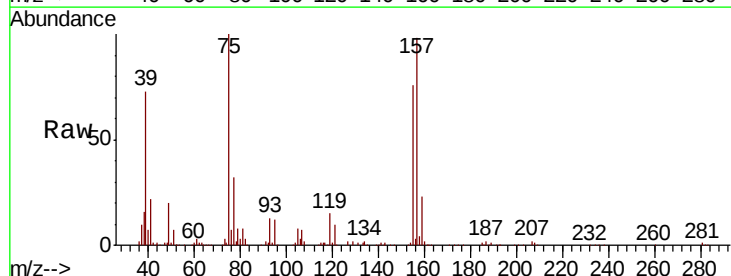


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

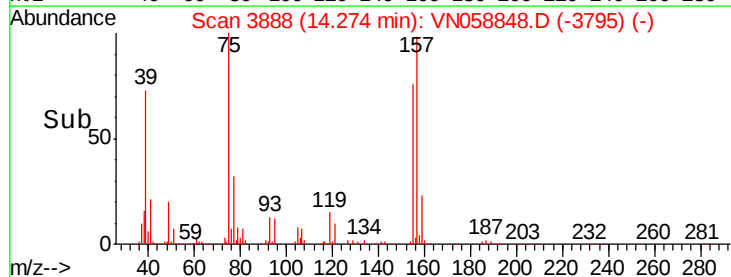
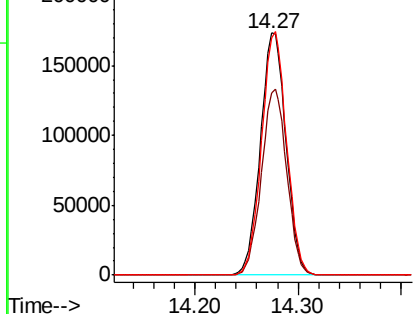


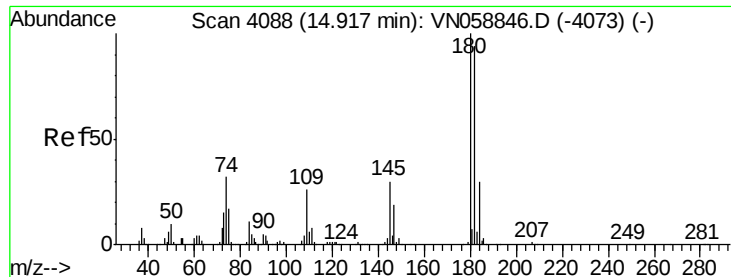
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 149.648 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Tgt Ion: 75 Resp: 298095
 Ion Ratio Lower Upper
 75 100
 155 76.0 35.6 106.8
 157 97.6 47.4 142.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

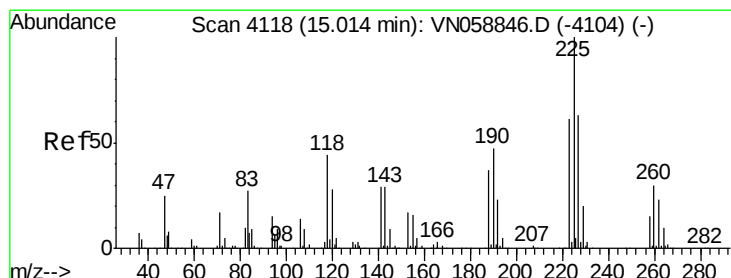
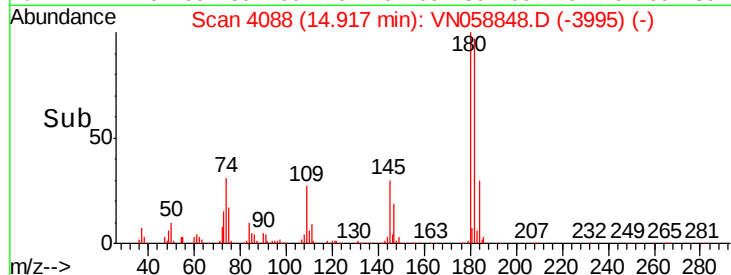
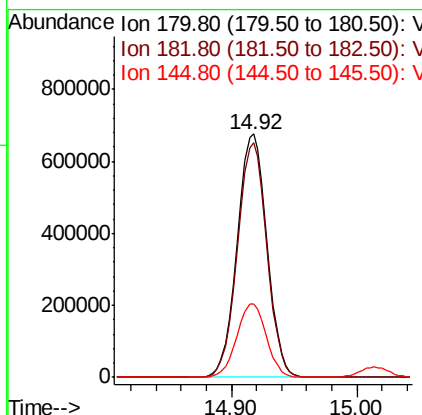
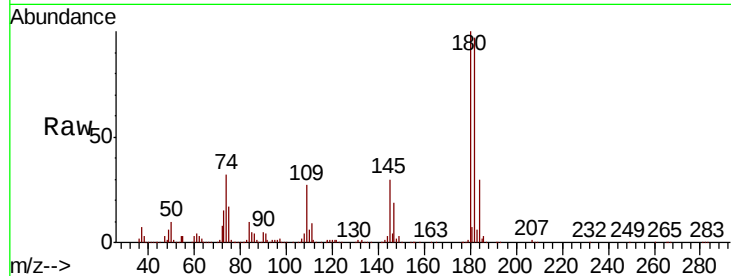




#93
 1,2,4-Trichlorobenzene
 Concen: 164.149 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

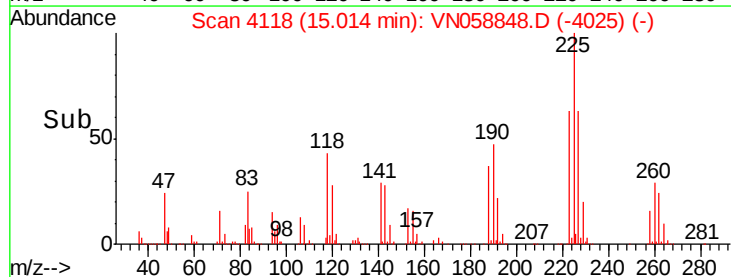
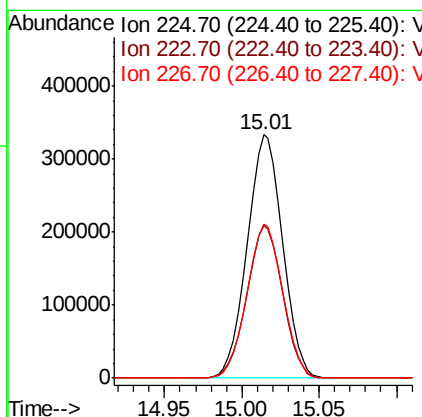
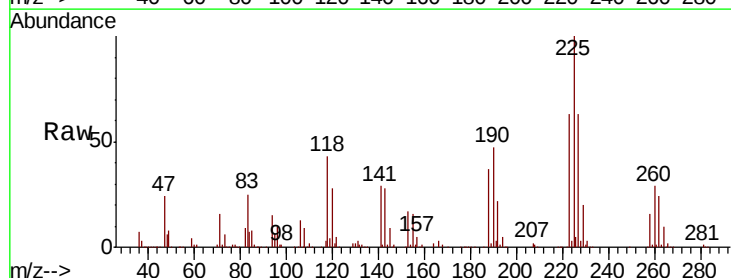
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

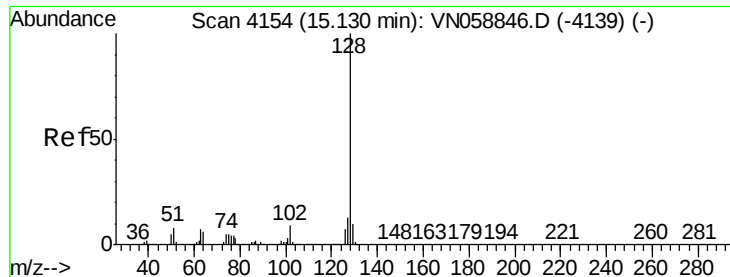
Tot Ion:180 Resp: 1111462
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.3 142.0
 145 30.2 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 148.101 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Tgt Ion:225 Resp: 532933
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.9 92.5
 227 63.4 31.6 94.7





#95

Naphthalene

Concen: 161.691 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

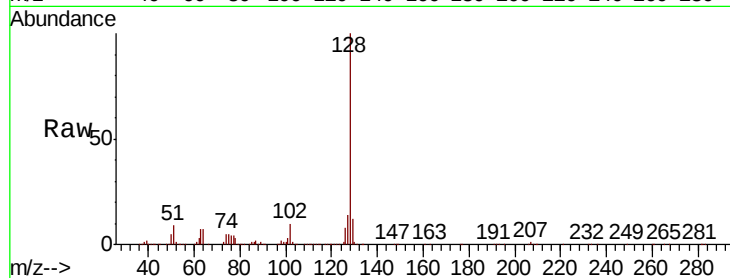
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3139766

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.3	8.4	12.6

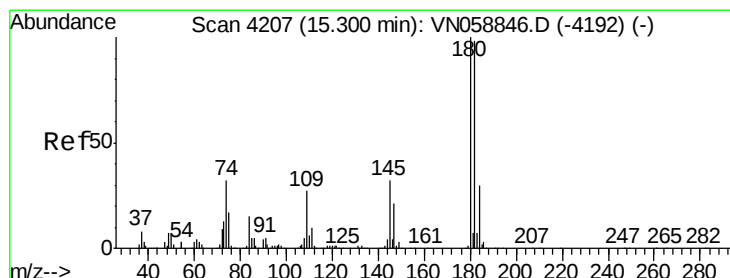
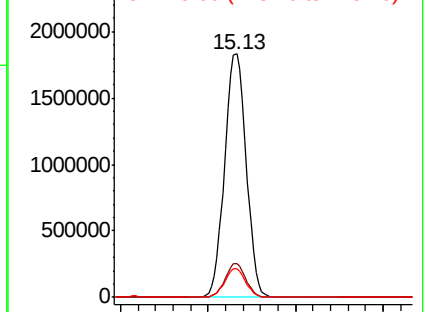
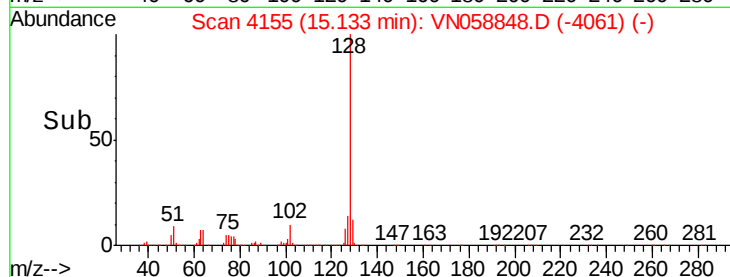


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 162.752 ug/l

RT: 15.30 min Scan# 4207

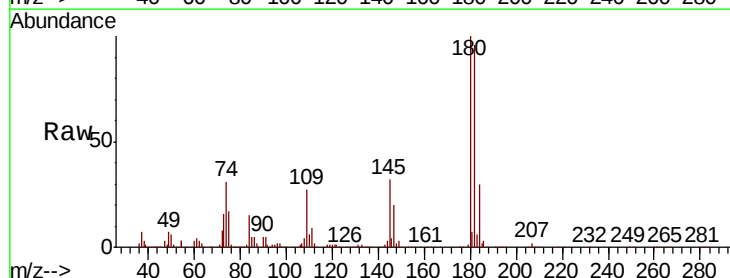
Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Tgt Ion:180 Resp: 1078108

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	32.2	15.9	47.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

