

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058202.D
 Acq On : 19 Sep 2019 13:51
 Operator : JC/SP
 Sample : VN0919WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Quant Time: Sep 20 01:50:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	494169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	833376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	759922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	358725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	368509	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
35) Dibromofluoromethane	7.57	113	258762	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.08	98	1037603	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.40	95	364511	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	78229	19.271	ug/l	99
3) Chloromethane	2.04	50	64263	19.915	ug/l	100
4) Vinyl Chloride	2.17	62	69670	19.814	ug/l	100
5) Bromomethane	2.55	94	34663	19.583	ug/l	99
6) Chloroethane	2.69	64	44559	19.252	ug/l	95
7) Trichlorofluoromethane	3.00	101	103834	18.739	ug/l	96
8) Diethyl Ether	3.39	74	48576	19.133	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	76177	19.068	ug/l	99
10) Methyl Iodide	3.93	142	58506	17.477	ug/l	99
11) Tert butyl alcohol	4.75	59	79387	96.964	ug/l	98
12) 1,1-Dichloroethene	3.72	96	61052	19.923	ug/l	99
13) Acrolein	3.59	56	18546	152.853	ug/l	100
14) Allyl chloride	4.30	41	122897	18.800	ug/l	98
15) Acrylonitrile	4.96	53	222954	102.211	ug/l	99
16) Acetone	3.80	43	194472	83.239	ug/l	99
17) Carbon Disulfide	4.03	76	74185	17.560	ug/l	99
18) Methyl Acetate	4.30	43	117689	19.144	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	297240	19.727	ug/l	98
20) Methylene Chloride	4.53	84	84267	20.470	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	65828	19.681	ug/l	96
22) Diisopropyl ether	5.93	45	324472	19.540	ug/l	92
23) Vinyl Acetate	5.87	43	1151138	101.310	ug/l	100
24) 1,1-Dichloroethane	5.83	63	170813	19.273	ug/l	99
25) 2-Butanone	6.81	43	299288	94.029	ug/l	99
26) 2,2-Dichloropropane	6.81	77	129254	17.191	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	96328	19.222	ug/l	98
28) Bromochloromethane	7.18	49	87734	20.926	ug/l	99
29) Tetrahydrofuran	7.19	42	189312	96.558	ug/l	99
30) Chloroform	7.36	83	185249	19.418	ug/l	98
31) Cyclohexane	7.64	56	117409	18.997	ug/l	92
32) 1,1,1-Trichloroethane	7.55	97	142684	19.647	ug/l	100
36) 1,1-Dichloropropene	7.78	75	104752	17.430	ug/l	98
37) Ethyl Acetate	6.91	43	122570	19.652	ug/l	98
38) Carbon Tetrachloride	7.76	117	112022	18.543	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	107761	18.590	ug/l	97
40) Benzene	8.03	78	346494	18.876	ug/l	99
41) Methacrylonitrile	7.15	41	60683	19.873	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	143811	18.671	ug/l	99
43) Isopropyl Acetate	8.15	43	220517	18.931	ug/l	99
44) Trichloroethene	8.82	130	91184	20.299	ug/l	98
45) 1,2-Dichloropropane	9.11	63	110021	20.070	ug/l	99
46) Dibromomethane	9.20	93	64390	19.320	ug/l	99
47) Bromodichloromethane	9.39	83	135225	19.367	ug/l	96
48) Methyl methacrylate	9.19	41	101972	19.281	ug/l	99
49) 1,4-Dioxane	9.19	88	34061	392.266	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	673727	108.894	ug/l	98
52) Toluene	10.15	92	219242	19.058	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	133505	18.666	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	148333	18.784	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	101700	19.921	ug/l	97
56) Ethyl methacrylate	10.43	69	143594	19.494	ug/l	99
57) 1,3-Dichloropropane	10.71	76	173507	19.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	356559	101.624	ug/l	99
59) 2-Hexanone	10.75	43	472752	102.884	ug/l	99
60) Dibromochloromethane	10.90	129	95485	19.441	ug/l	98
61) 1,2-Dibromoethane	11.00	107	91755	19.394	ug/l	100
64) Tetrachloroethene	10.63	164	68492	18.489	ug/l	98
65) Chlorobenzene	11.43	112	255028	19.080	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	96152	19.839	ug/l	99
67) Ethyl Benzene	11.51	91	451472	19.712	ug/l	99
68) m/p-Xylenes	11.62	106	325072	37.685	ug/l	96
69) o-Xylene	11.95	106	165647	19.529	ug/l	98
70) Styrene	11.97	104	286461	19.601	ug/l	99
71) Bromoform	12.13	173	56837	18.275	ug/l #	99
73) Isopropylbenzene	12.25	105	469008	20.888	ug/l	100
74) N-amyl acetate	12.07	43	187563	19.968	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	155467	20.676	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	180900	28.177	ug/l #	100
77) Bromobenzene	12.53	156	109774	19.436	ug/l	99
78) n-propylbenzene	12.60	91	537892	21.081	ug/l	99
79) 2-Chlorotoluene	12.68	91	322364	20.216	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	397194	20.919	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	33951	19.700	ug/l	93
82) 4-Chlorotoluene	12.78	91	332164	19.816	ug/l	99
83) tert-Butylbenzene	13.00	119	347434	20.519	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	399744	21.155	ug/l	100
85) sec-Butylbenzene	13.18	105	469291	21.194	ug/l	99
86) p-Isopropyltoluene	13.29	119	411949	20.927	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	202532	19.632	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	207066	19.661	ug/l	99
89) n-Butylbenzene	13.62	91	366310	19.628	ug/l	99
90) Hexachloroethane	13.88	117	60474	19.353	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	213275	20.610	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25720	19.000	ug/l	96

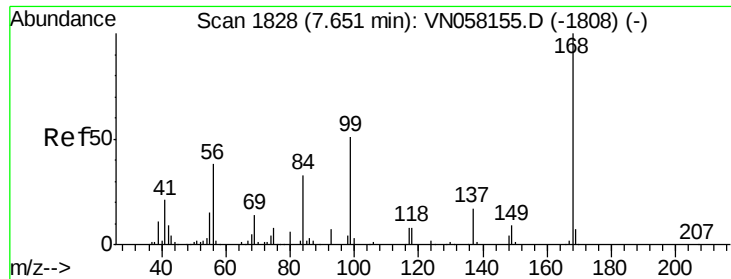
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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	124424	18.819	ug/l	99
94) Hexachlorobutadiene	15.01	225	61506	19.247	ug/l	98
95) Naphthalene	15.13	128	328738	19.185	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	118059	18.892	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

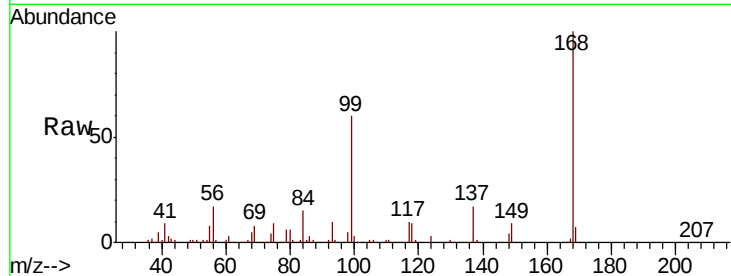
VN0919WBSD01

Tot Ion:168 Resp: 494169

Ion Ratio Lower Upper

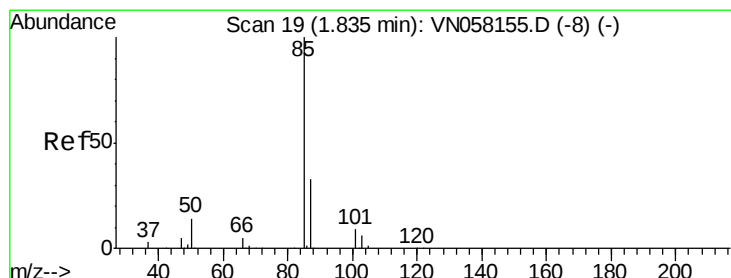
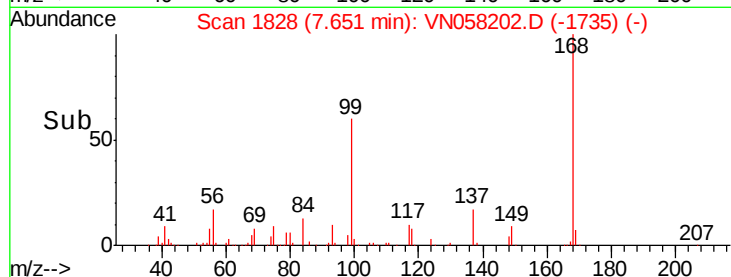
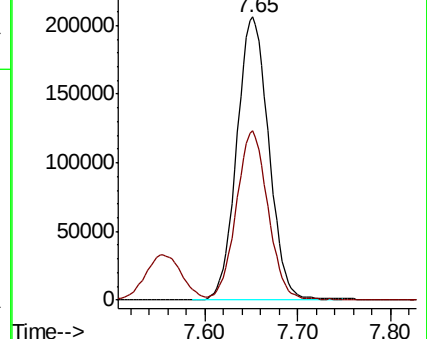
168 100

99 59.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.271 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058202.D

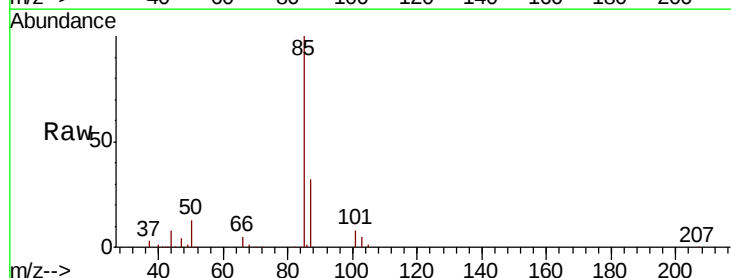
Acq: 19 Sep 2019 13:51

Tgt Ion: 85 Resp: 78229

Ion Ratio Lower Upper

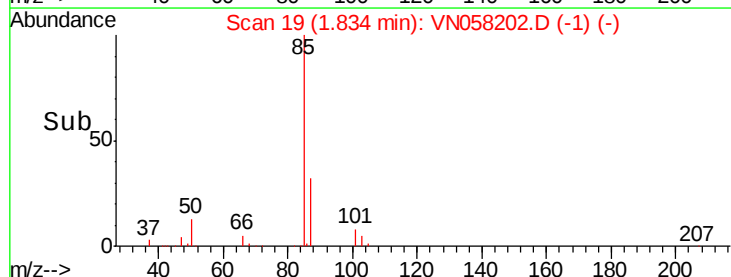
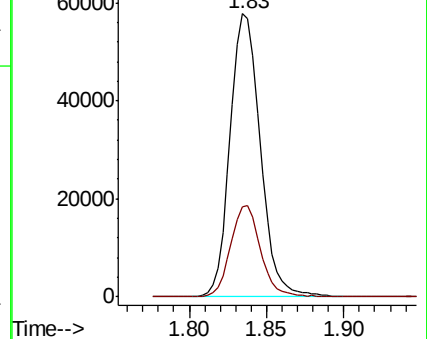
85 100

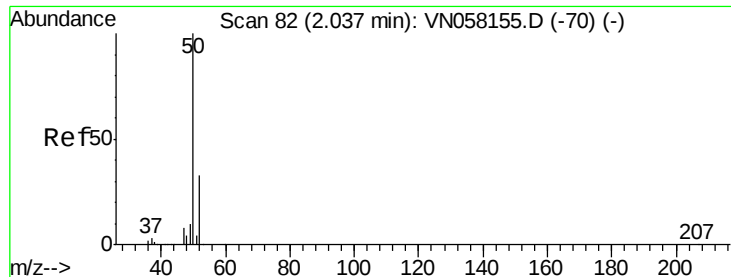
87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.915 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

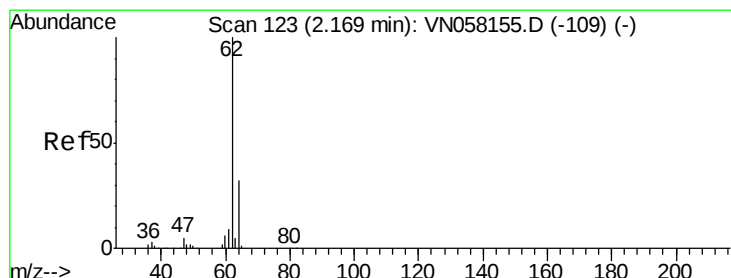
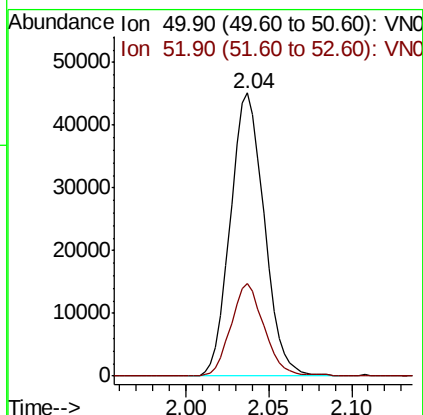
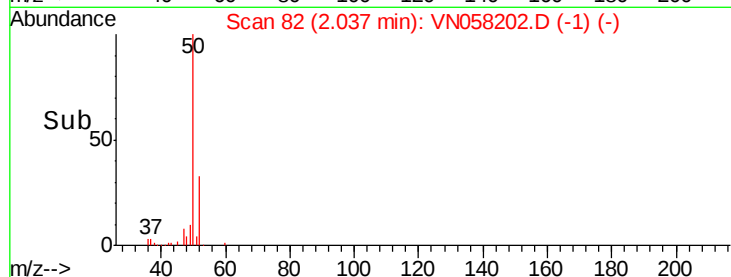
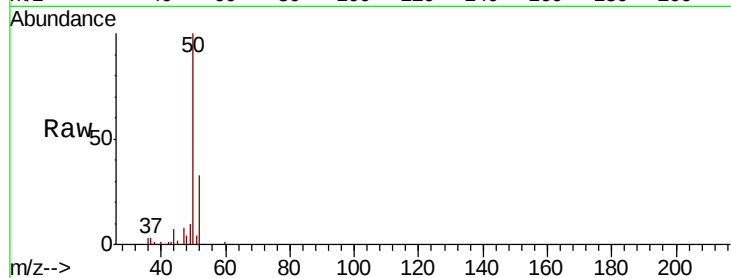
VN0919WBSD01

Tot Ion: 50 Resp: 64263

Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5



#4

Vinyl Chloride

Concen: 19.814 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058202.D

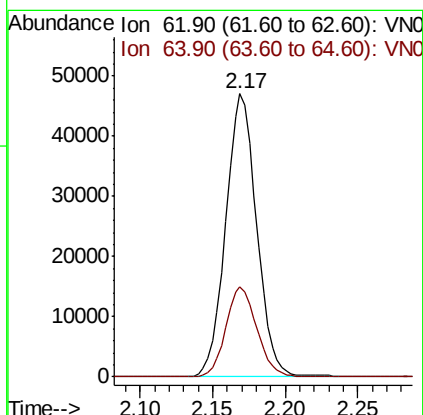
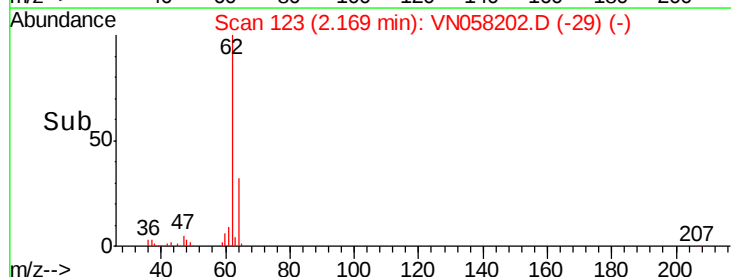
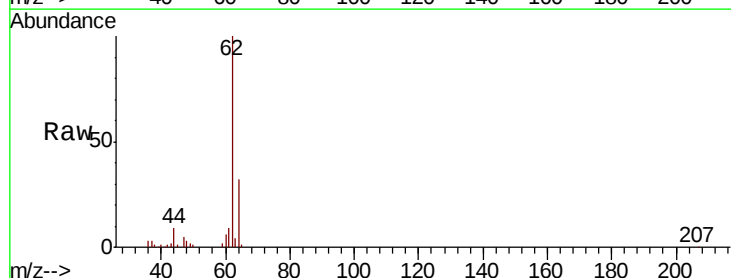
Acq: 19 Sep 2019 13:51

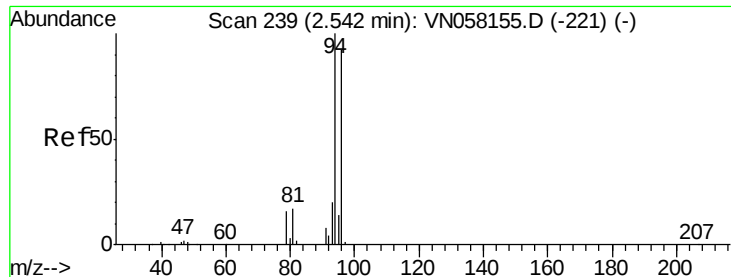
Tgt Ion: 62 Resp: 69670

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 19.583 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

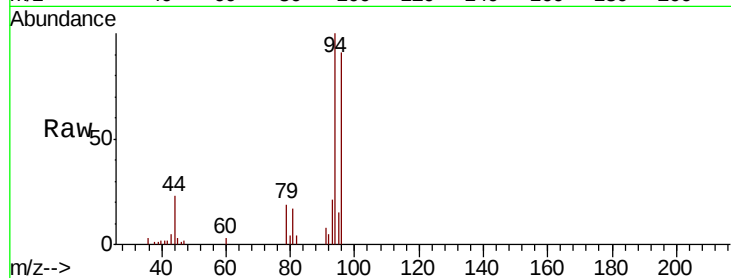
VN0919WBSD01

Tot Ion: 94 Resp: 34663

Ion Ratio Lower Upper

94 100

96 90.5 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

20000

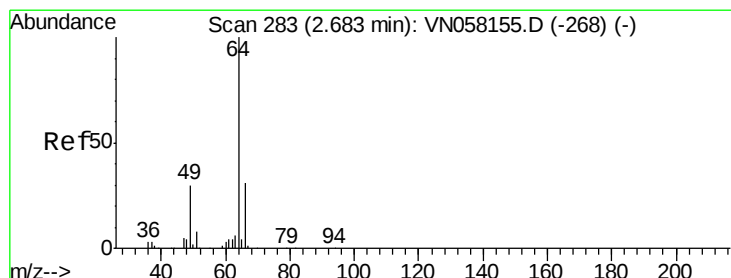
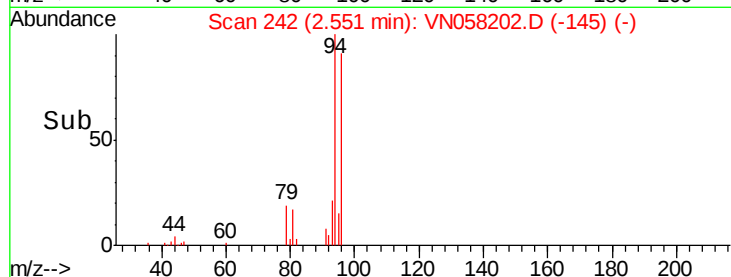
15000

10000

5000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.252 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058202.D

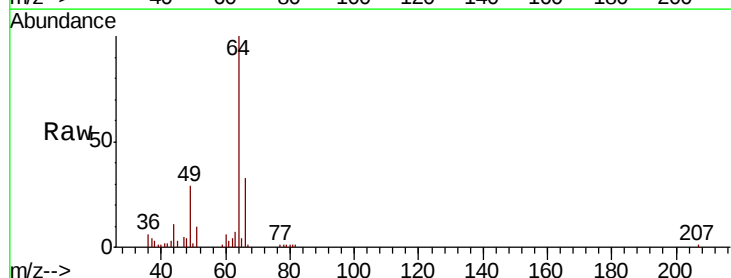
Acq: 19 Sep 2019 13:51

Tgt Ion: 64 Resp: 44559

Ion Ratio Lower Upper

64 100

66 33.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

25000

20000

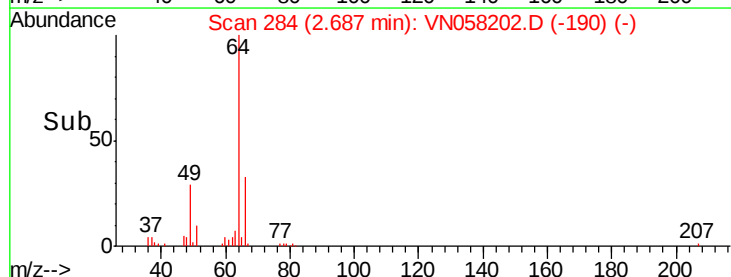
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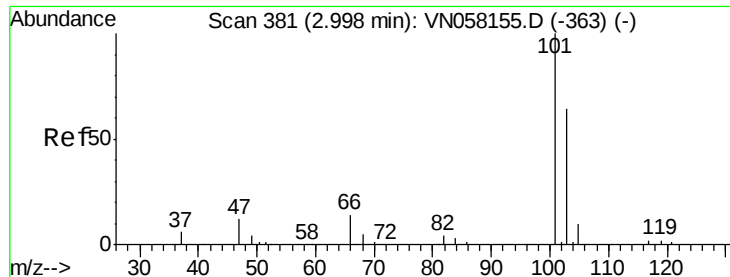
10000

5000

0

Time--> 2.60 2.65 2.70 2.75



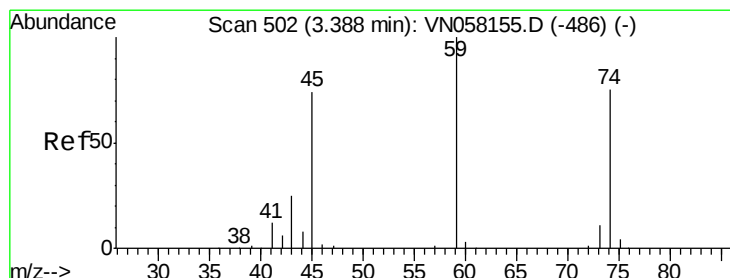
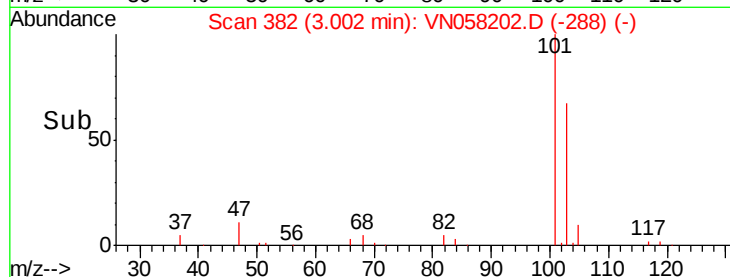
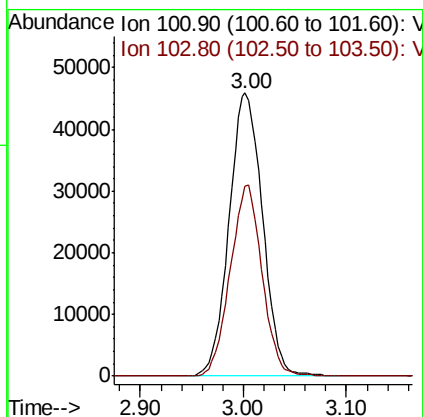
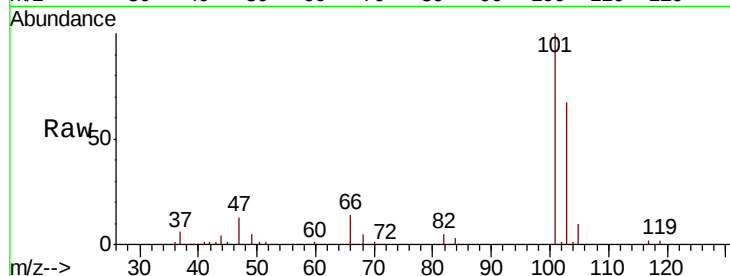


#7

Trichlorofluoromethane
 Concen: 18.739 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

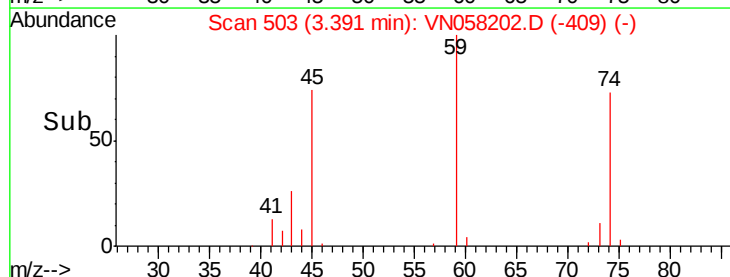
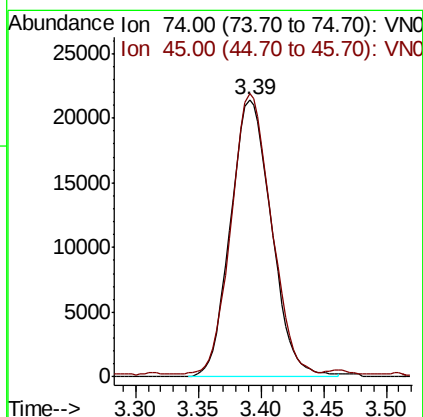
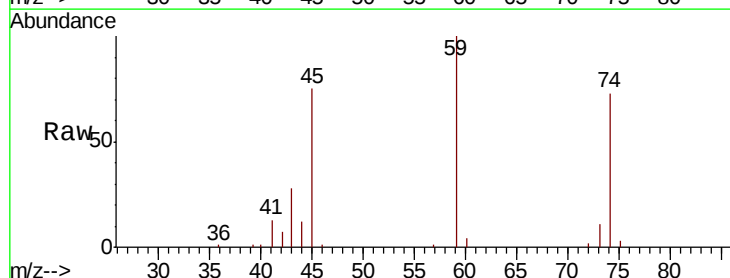
Tot Ion:101 Resp: 103834
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.0 76.6

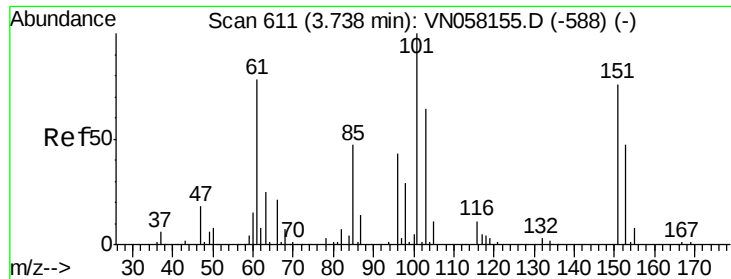


#8

Diethyl Ether
 Concen: 19.133 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 74 Resp: 48576
 Ion Ratio Lower Upper
 74 100
 45 98.7 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.068 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

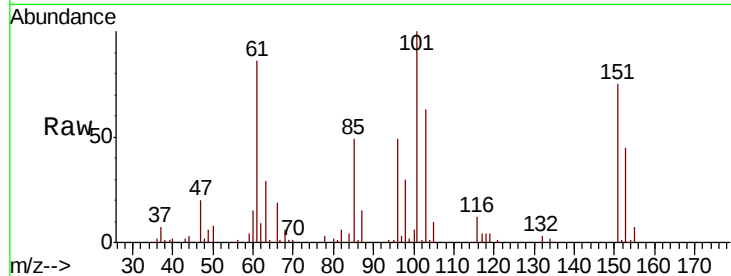
Tot Ion:101 Resp: 76177

Ion Ratio Lower Upper

101 100

85 48.1 37.3 55.9

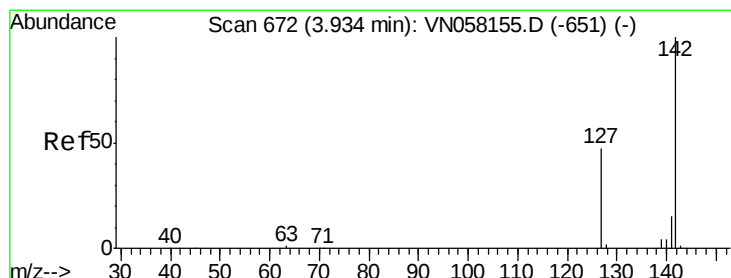
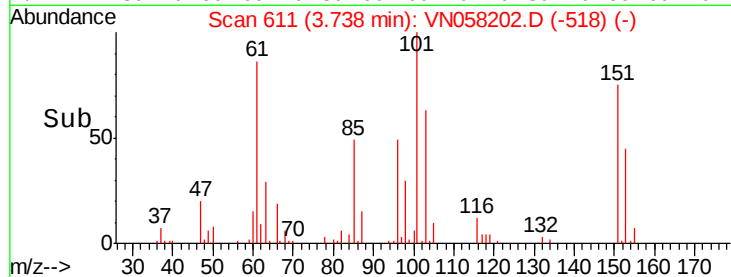
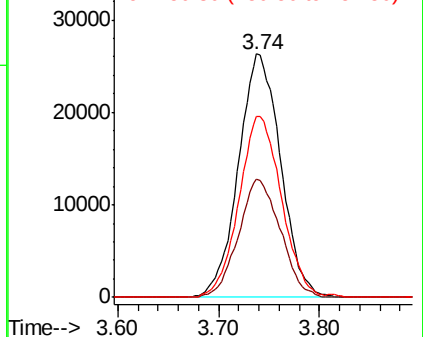
151 74.9 59.6 89.4



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: 17.477 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

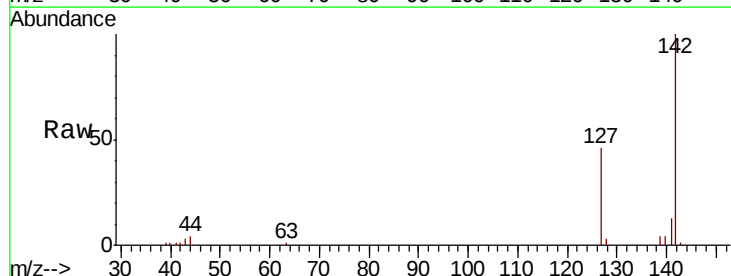
Tgt Ion:142 Resp: 58506

Ion Ratio Lower Upper

142 100

127 46.2 37.5 56.3

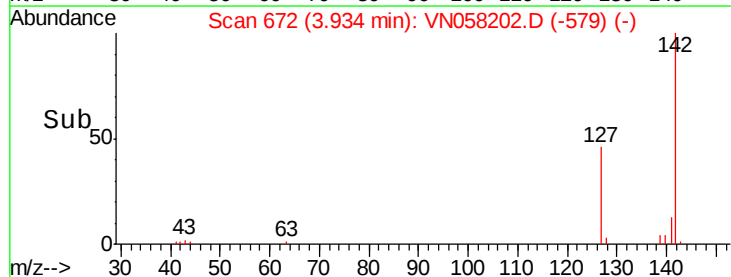
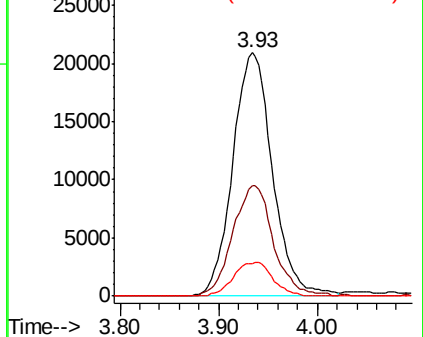
141 13.6 11.4 17.2

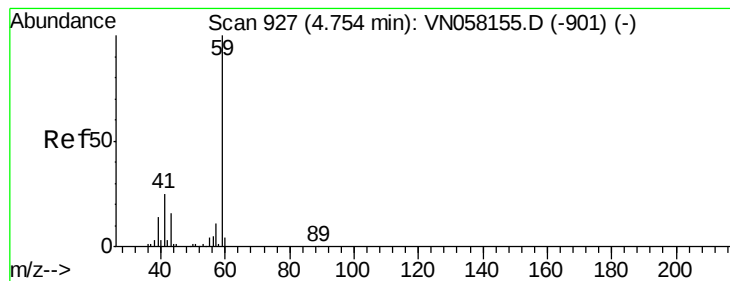


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



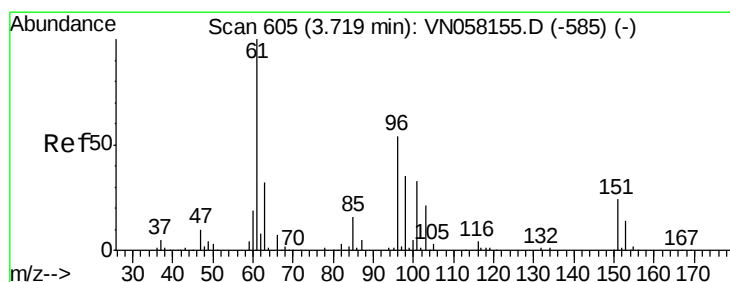
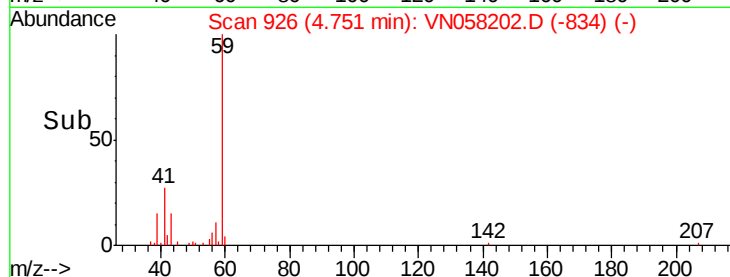
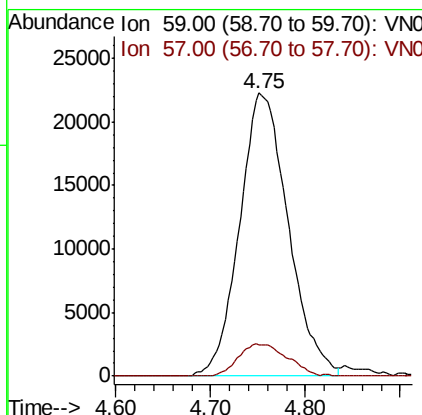
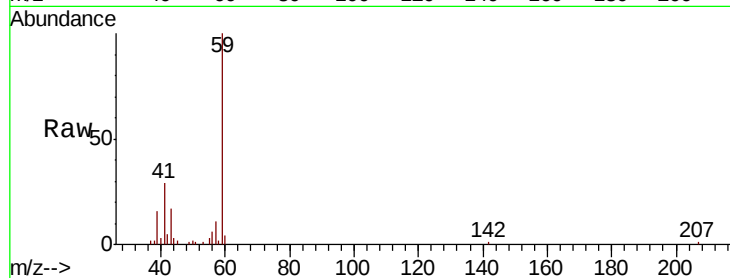


#11

Tert butyl alcohol
 Concen: 96.964 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

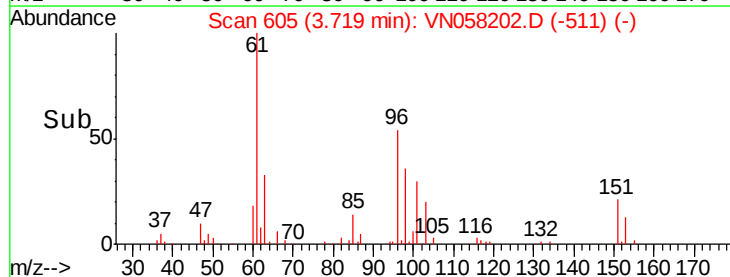
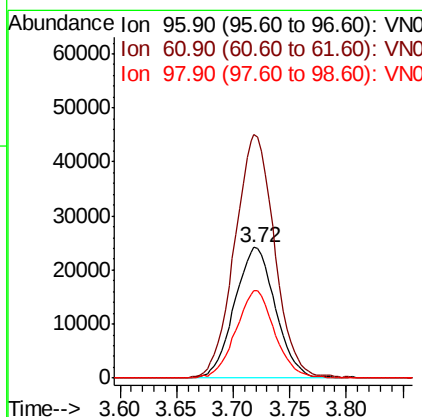
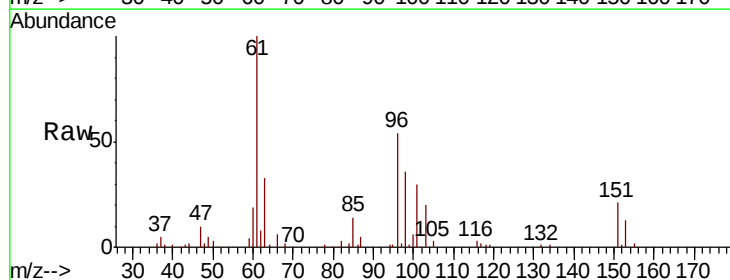
Tot Ion: 59 Resp: 79387
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.6 13.0

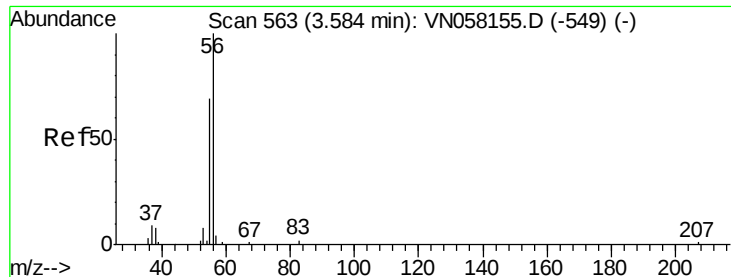


#12

1,1-Dichloroethene
 Concen: 19.923 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 96 Resp: 61052
 Ion Ratio Lower Upper
 96 100
 61 186.8 149.5 224.3
 98 66.8 52.4 78.6





#13

Acrolein

Concen: 152.853 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

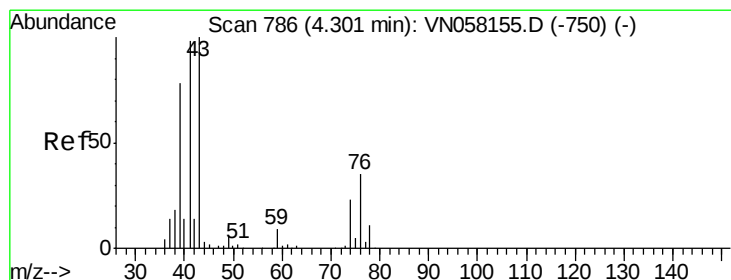
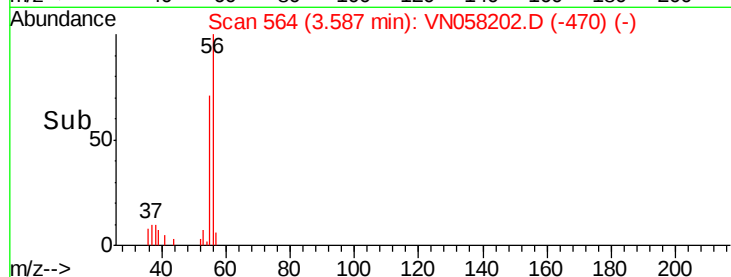
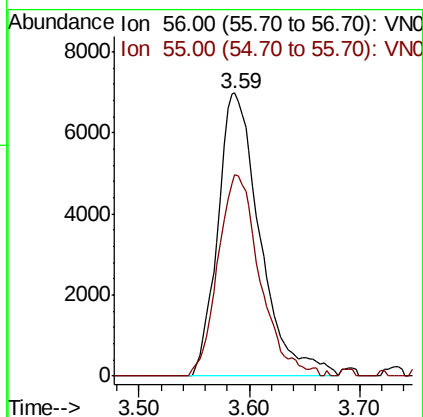
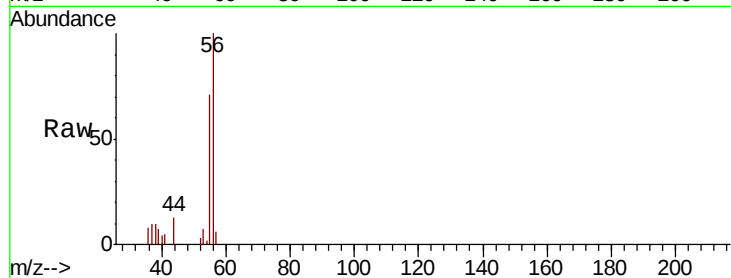
VN0919WBSD01

Tot Ion: 56 Resp: 18546

Ion Ratio Lower Upper

56 100

55 70.0 56.1 84.1



#14

Allyl chloride

Concen: 18.800 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

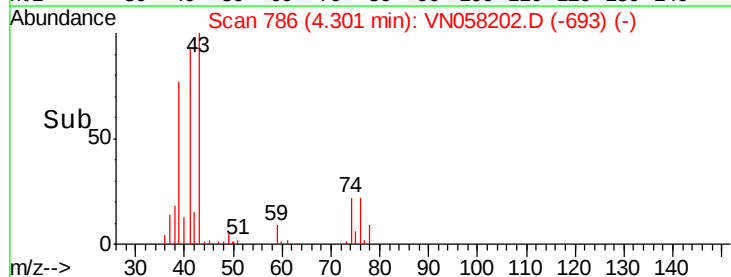
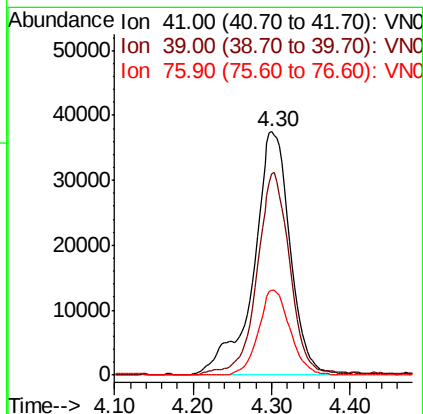
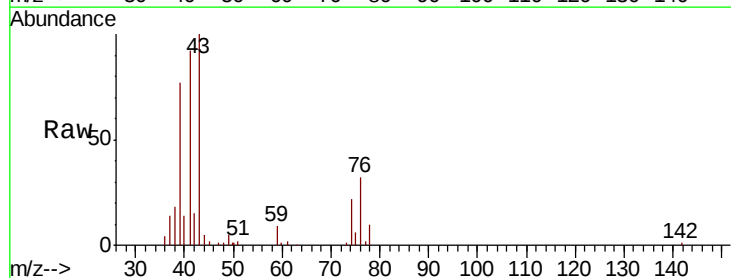
Tgt Ion: 41 Resp: 122897

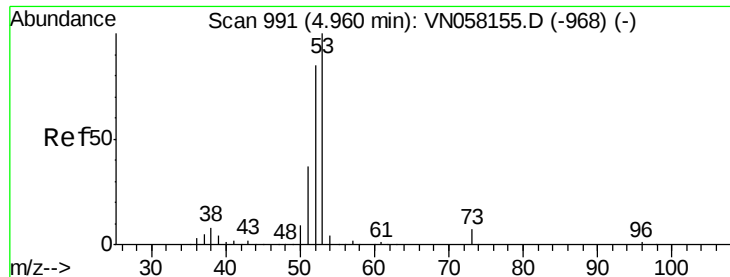
Ion Ratio Lower Upper

41 100

39 74.9 59.1 88.7

76 30.1 25.1 37.7





#15

Acrylonitrile

Concen: 102.211 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

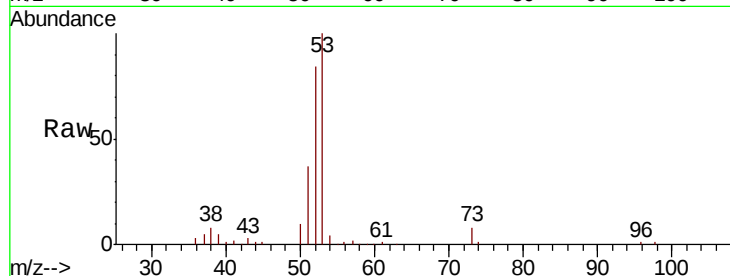
Tot Ion: 53 Resp: 222954

Ion Ratio Lower Upper

53 100

52 82.4 66.6 100.0

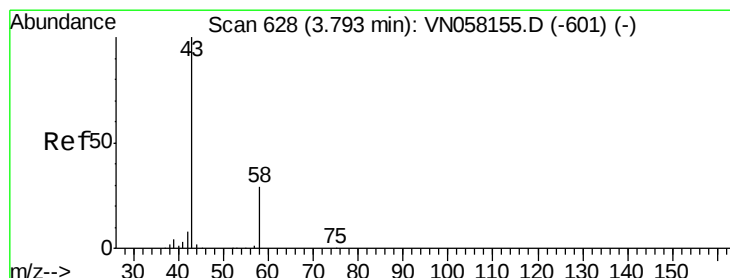
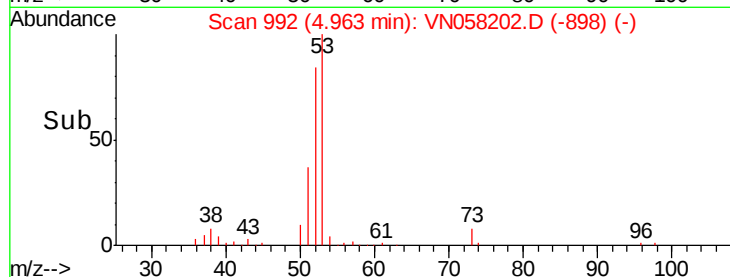
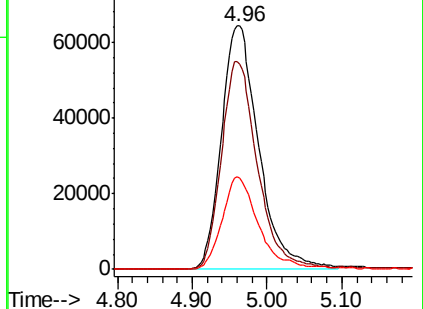
51 36.8 29.7 44.5



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: 83.239 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058202.D

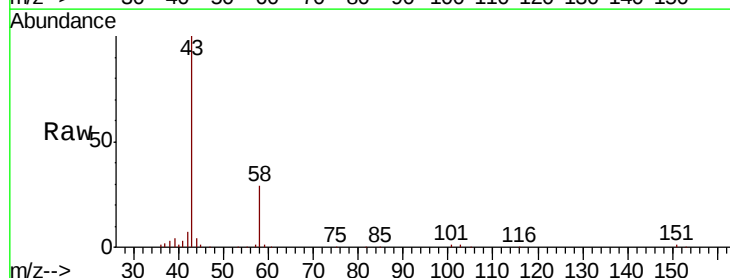
Acq: 19 Sep 2019 13:51

Tgt Ion: 43 Resp: 194472

Ion Ratio Lower Upper

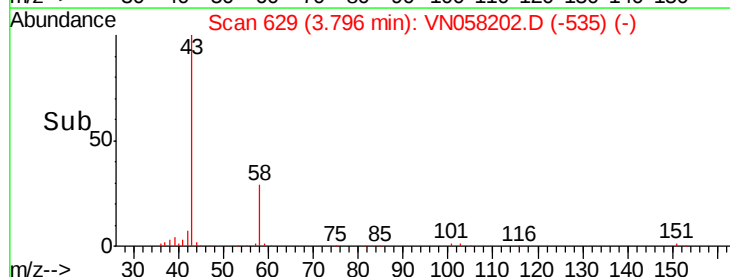
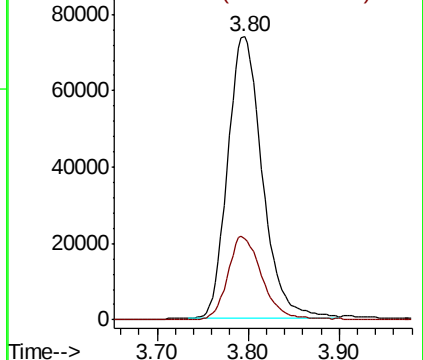
43 100

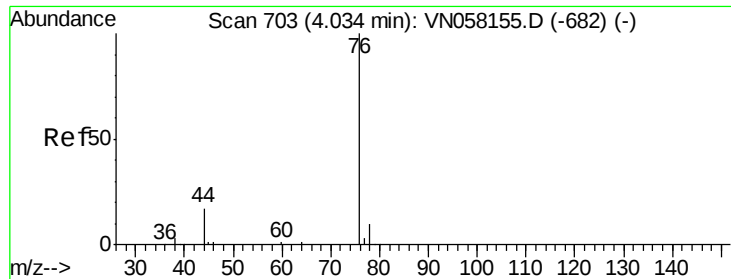
58 28.7 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

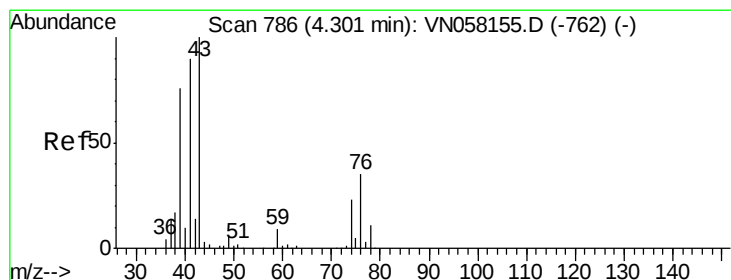
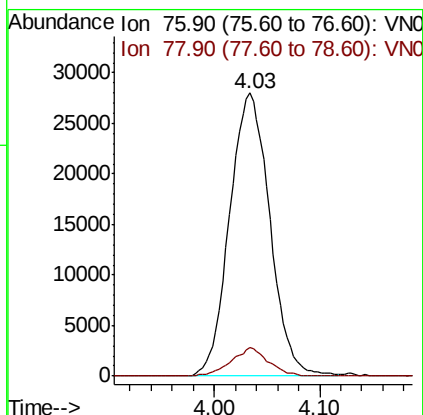
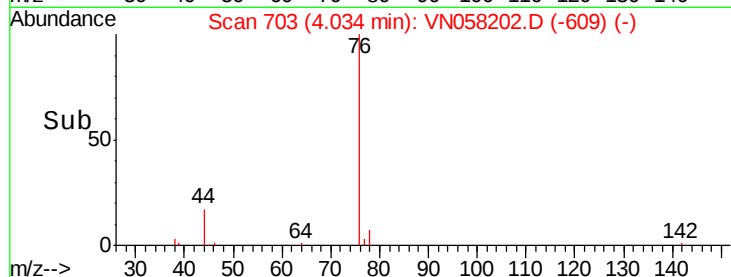
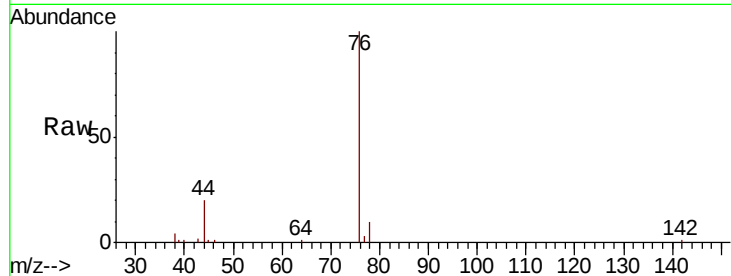




#17
Carbon Disulfide
Concen: 17.560 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

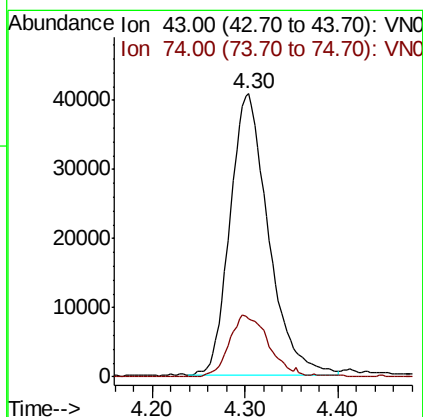
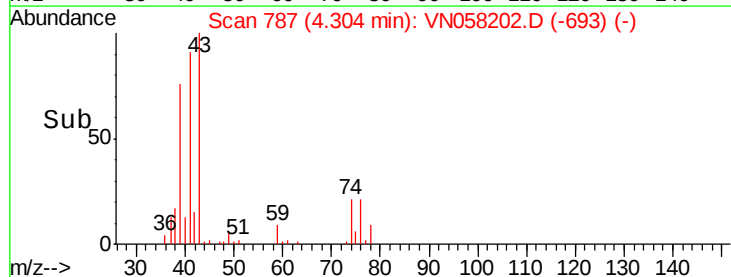
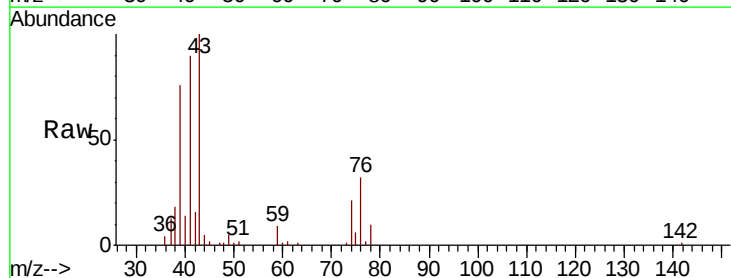
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

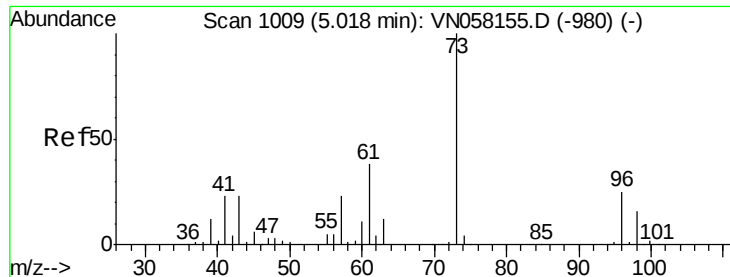
Tot Ion: 76 Resp: 74185
Ion Ratio Lower Upper
76 100
78 9.9 7.7 11.5



#18
Methyl Acetate
Concen: 19.144 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 43 Resp: 117689
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0

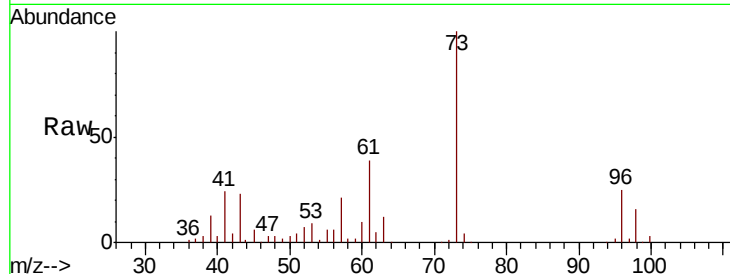




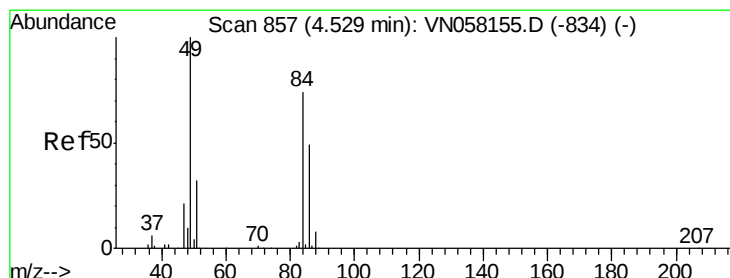
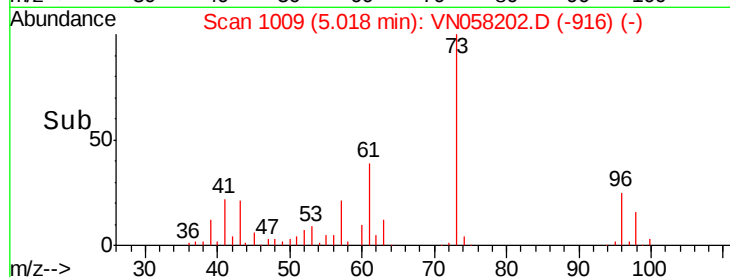
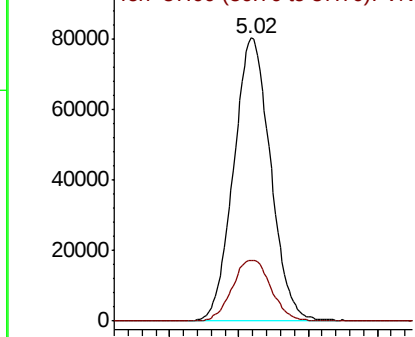
#19
Methyl tert-butyl Ether
Concen: 19.727 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion: 73 Resp: 297240
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1

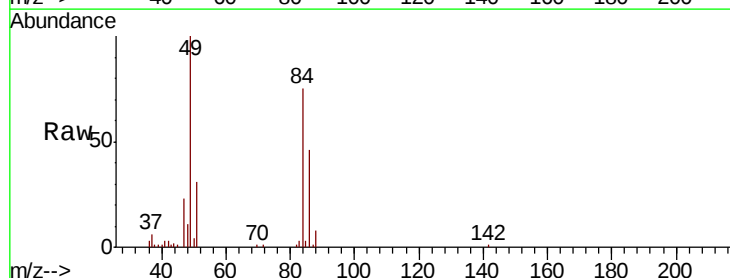


Abundance Ion 73.00 (72.70 to 73.70): VNC
Ion 57.00 (56.70 to 57.70): VNC

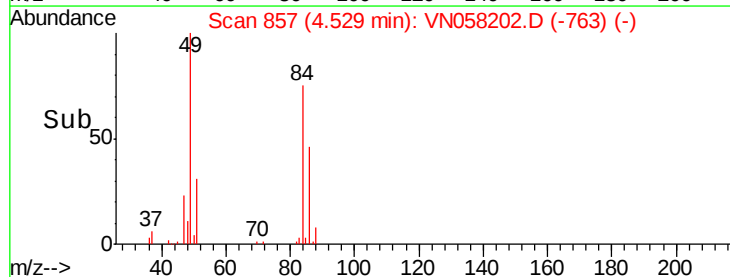
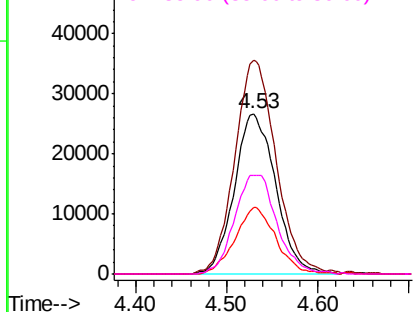


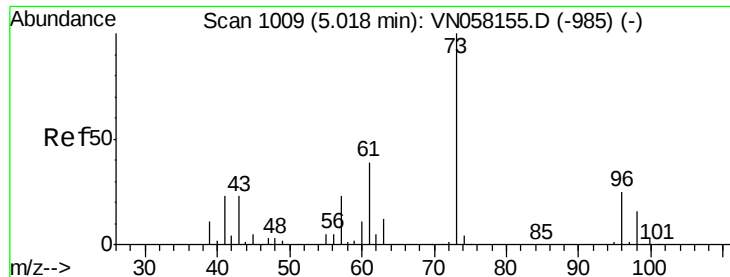
#20
Methylene Chloride
Concen: 20.470 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 84 Resp: 84267
Ion Ratio Lower Upper
84 100
49 133.2 107.5 161.3
51 41.2 33.9 50.9
86 61.4 52.4 78.6



Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

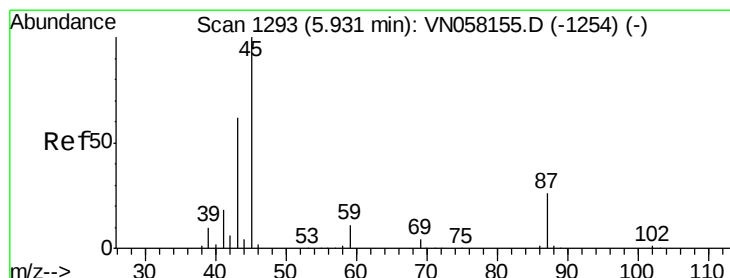
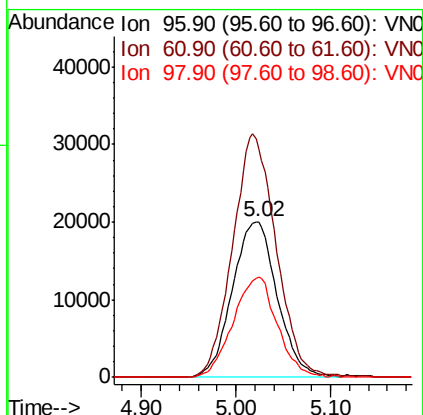
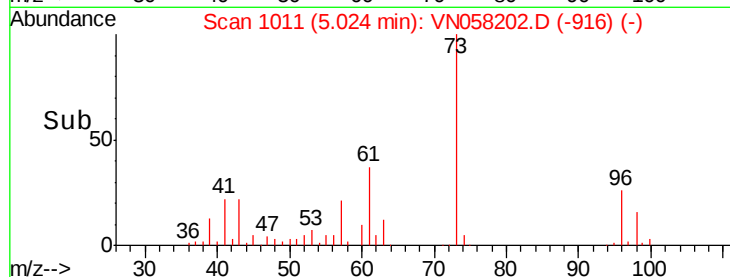
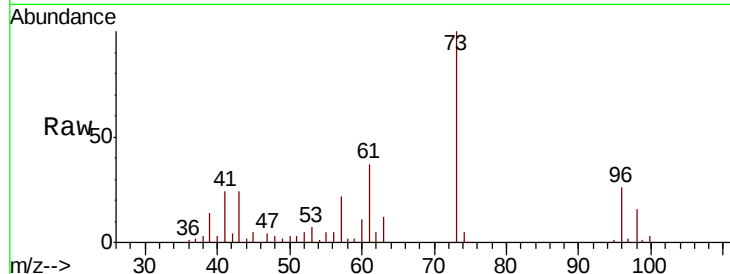




#21
trans-1,2-Dichloroethene
Concen: 19.681 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

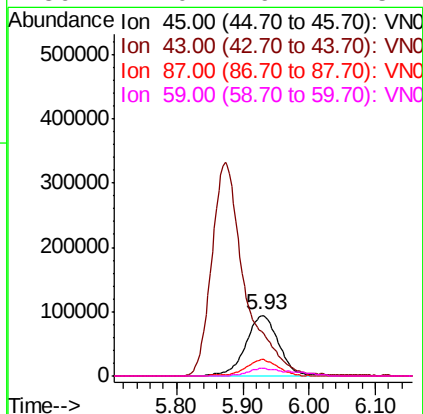
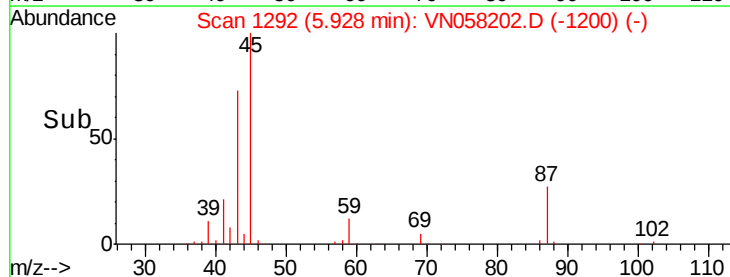
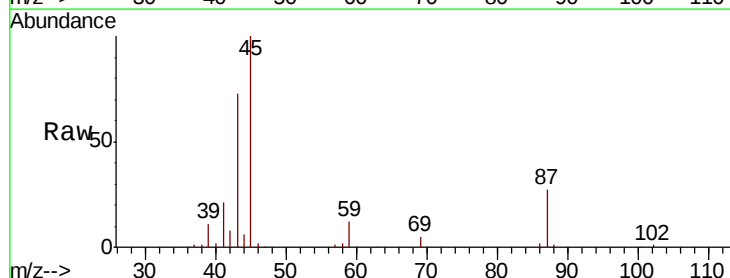
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

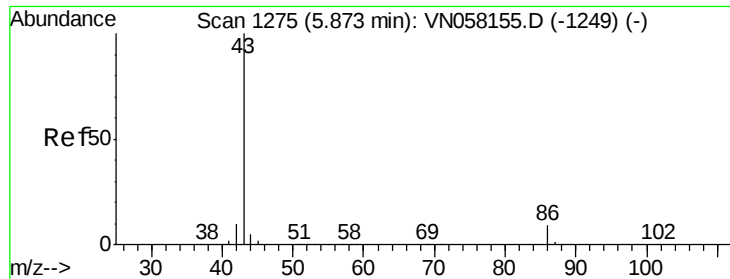
Tot Ion: 96 Resp: 65828
Ion Ratio Lower Upper
96 100
61 146.5 122.2 183.4
98 64.2 49.9 74.9



#22
Diisopropyl ether
Concen: 19.540 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 45 Resp: 324472
Ion Ratio Lower Upper
45 100
43 71.4 49.7 74.5
87 26.8 20.7 31.1
59 12.0 9.1 13.7





#23

Vinyl Acetate

Concen: 101.310 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

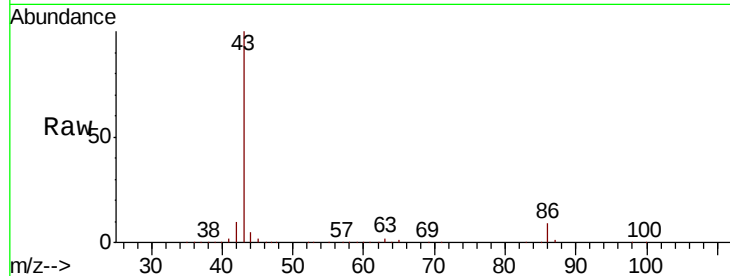
VN0919WBSD01

Tot Ion: 43 Resp: 1151138

Ion Ratio Lower Upper

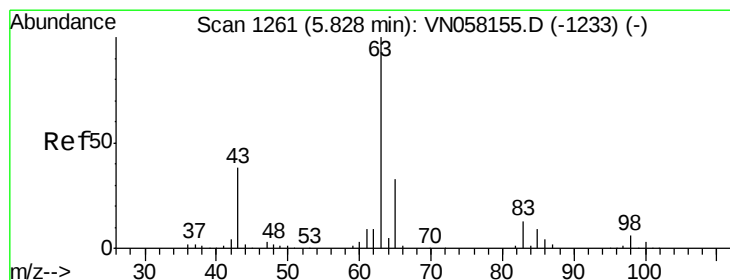
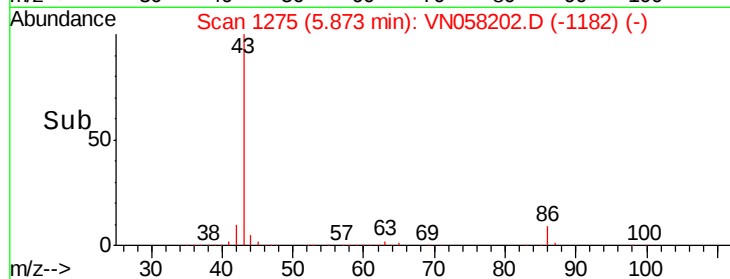
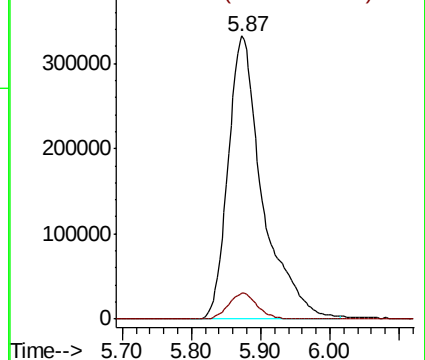
43 100

86 9.2 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.273 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

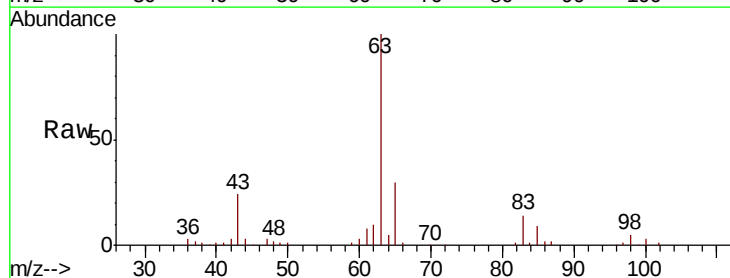
Tgt Ion: 63 Resp: 170813

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.6

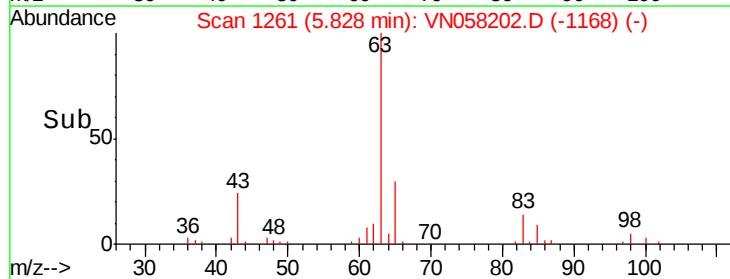
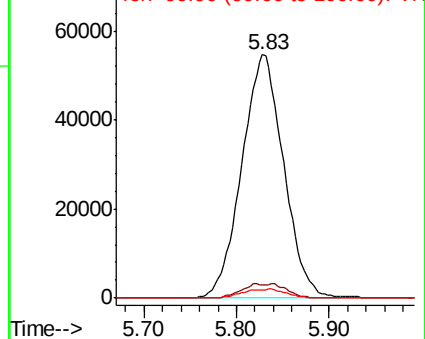
100 3.3 1.8 5.3

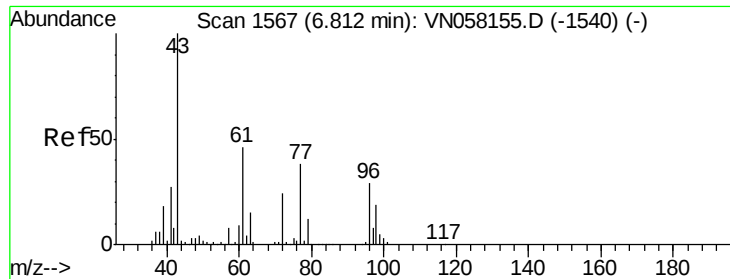


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

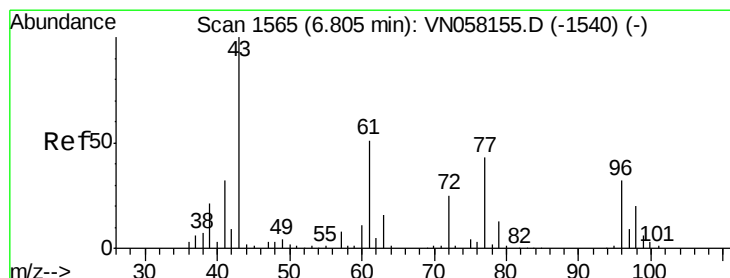
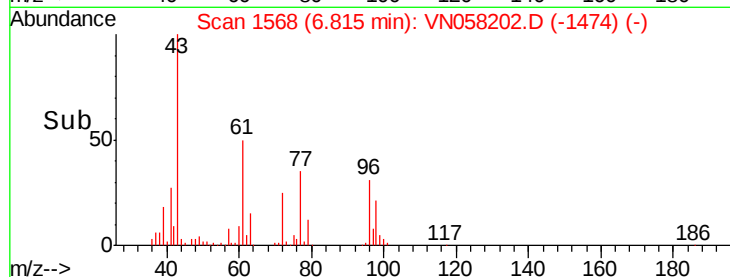
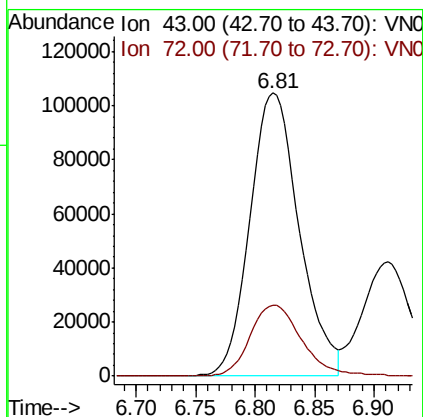
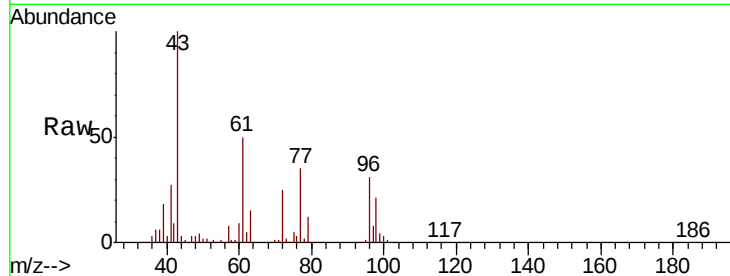




#25
2-Butanone
Concen: 94.029 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

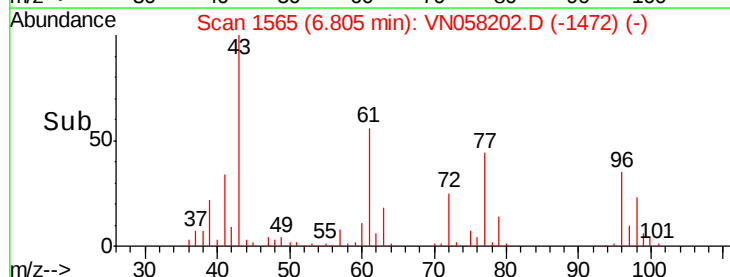
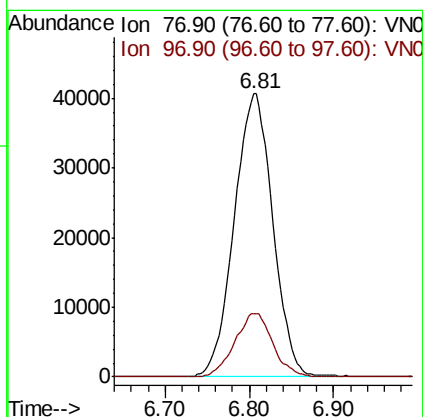
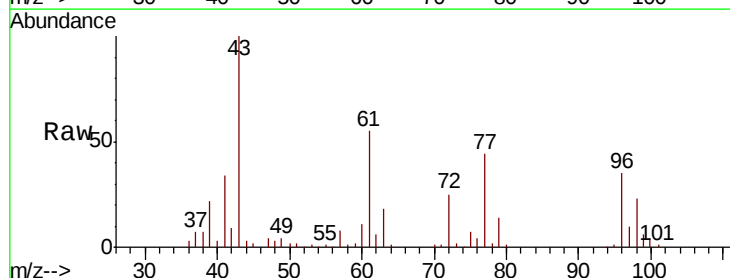
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

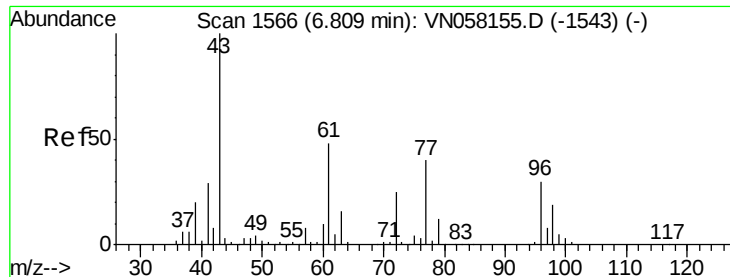
Tot Ion: 43 Resp: 299288
Ion Ratio Lower Upper
43 100
72 25.1 19.5 29.3



#26
2,2-Dichloropropane
Concen: 17.191 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 77 Resp: 129254
Ion Ratio Lower Upper
77 100
97 22.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.222 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

VN0919WBSD01

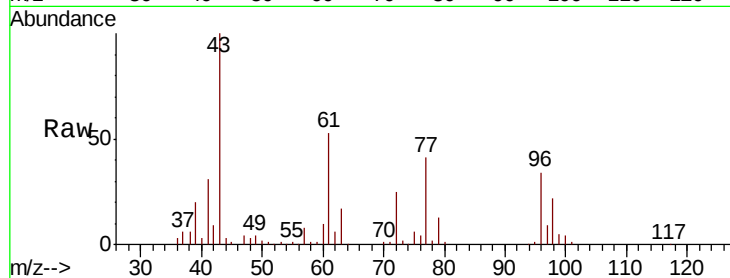
Tot Ion: 96 Resp: 96328

Ion Ratio Lower Upper

96 100

61 162.1 0.0 319.0

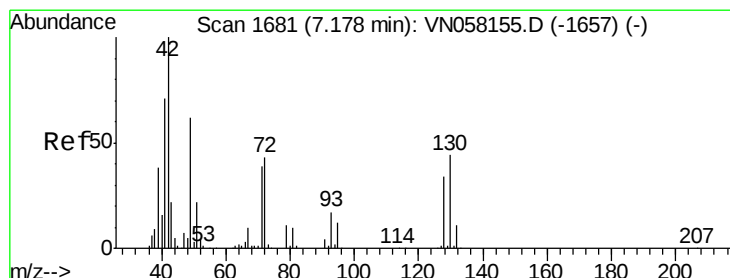
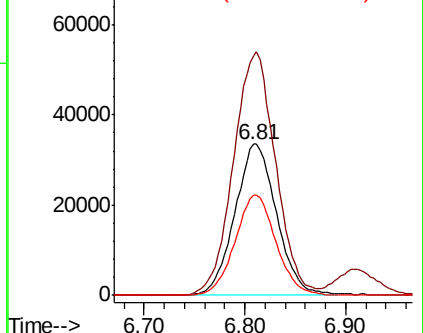
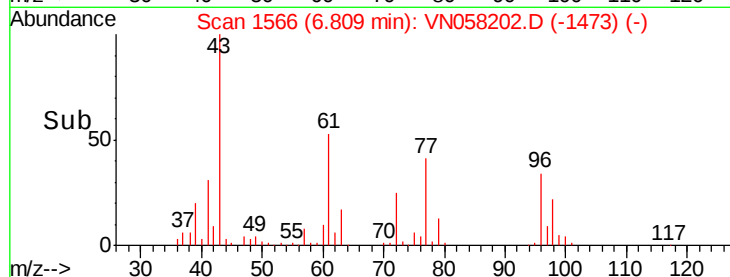
98 64.9 0.0 126.6



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: 20.926 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

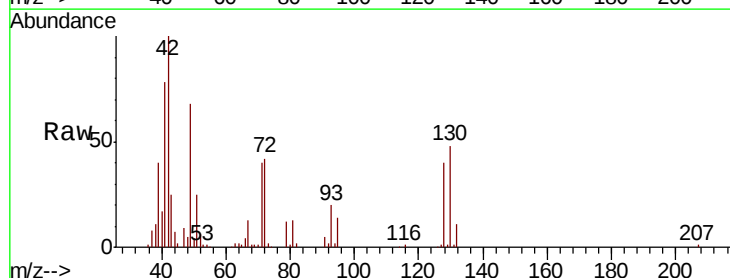
Tgt Ion: 49 Resp: 87734

Ion Ratio Lower Upper

49 100

129 1.7 0.0 1.8

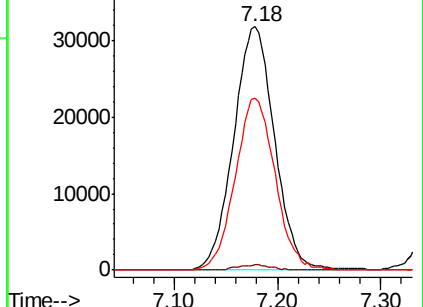
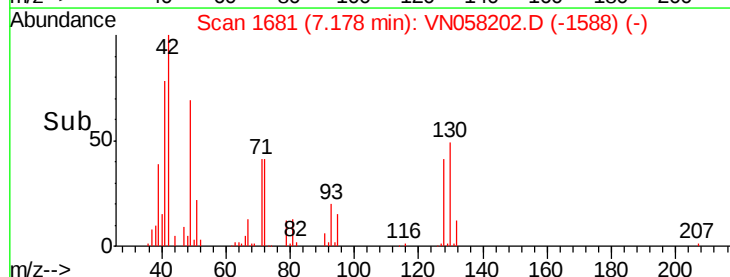
130 68.8 55.4 83.2

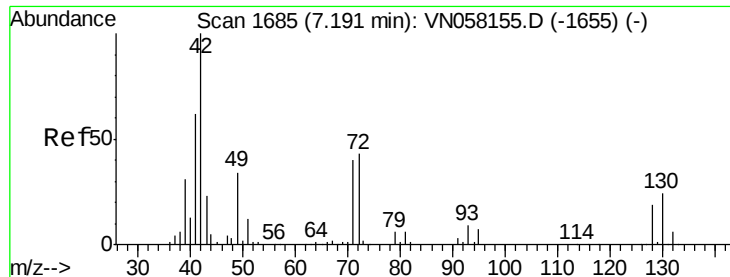


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

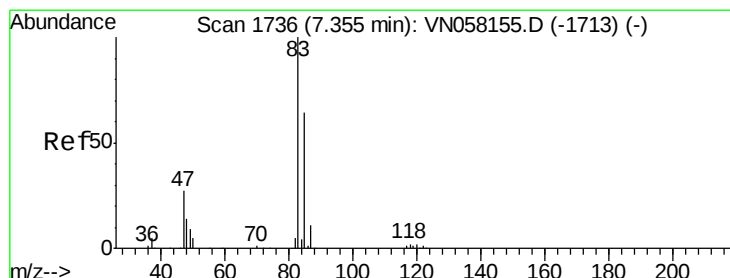
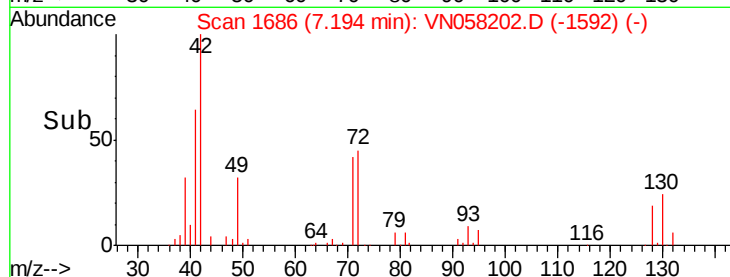
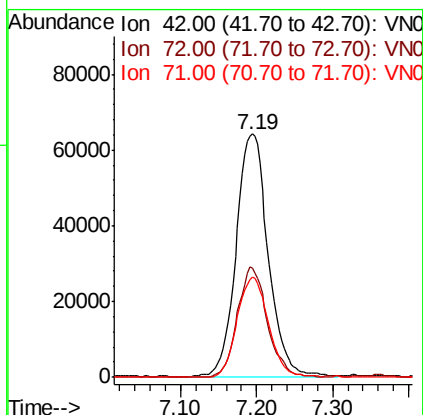
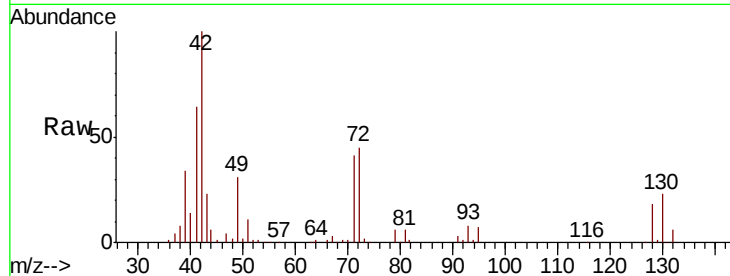




#29
Tetrahydrofuran
Concen: 96.558 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

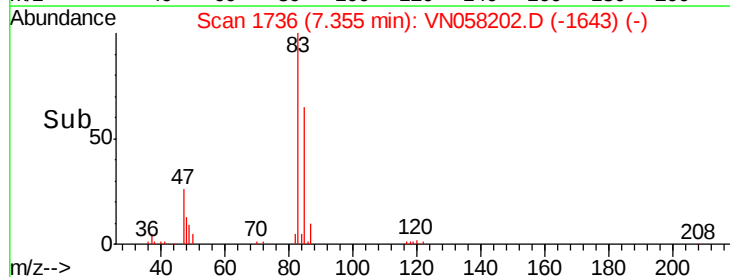
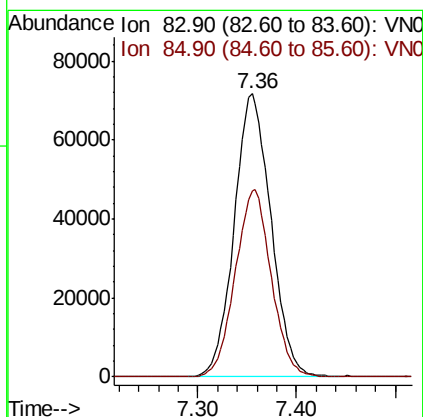
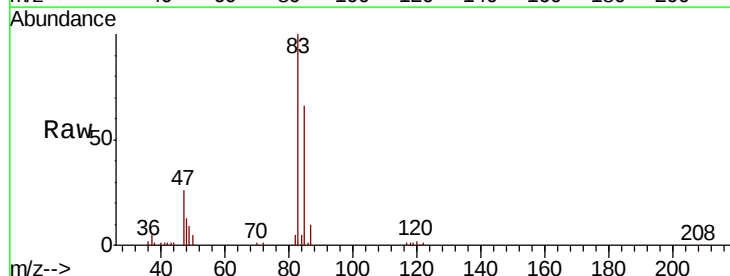
Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD01

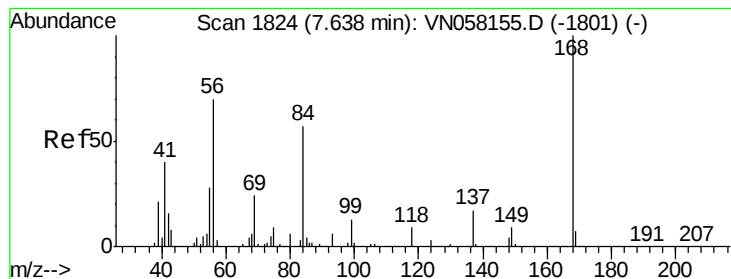
Tot Ion: 42 Resp: 189312
Ion Ratio Lower Upper
42 100
72 42.1 33.8 50.6
71 40.3 31.4 47.0



#30
Chloroform
Concen: 19.418 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 83 Resp: 185249
Ion Ratio Lower Upper
83 100
85 65.7 51.4 77.2





#31

Cyclohexane

Concen: 18.997 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

VN0919WBSD01

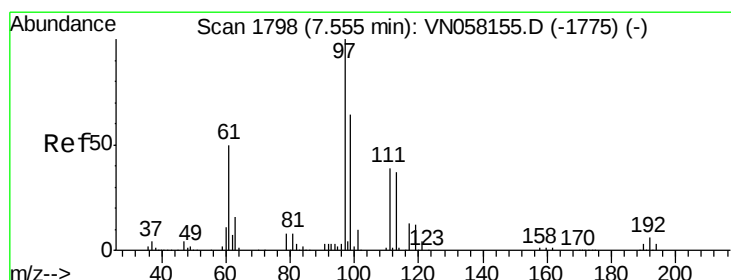
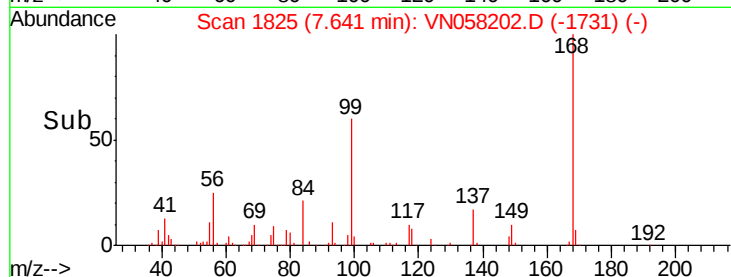
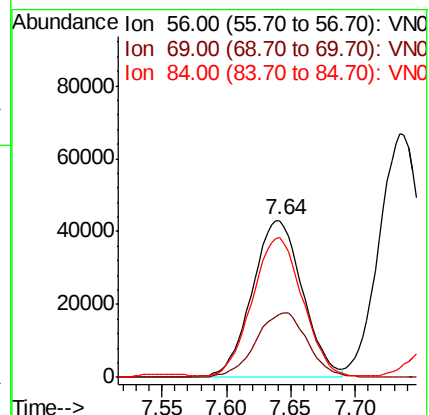
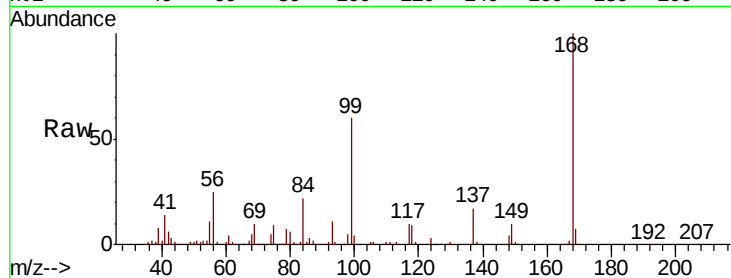
Tot Ion: 56 Resp: 117409

Ion Ratio Lower Upper

56 100

69 40.3 27.3 40.9

84 87.8 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 19.647 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

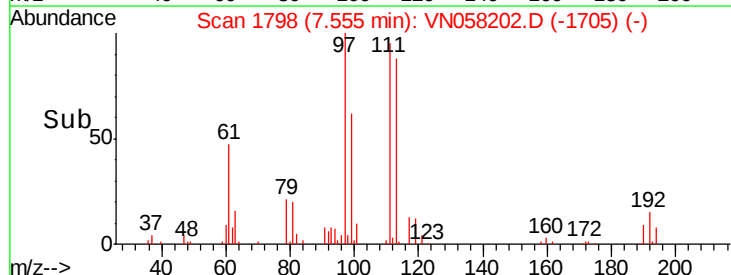
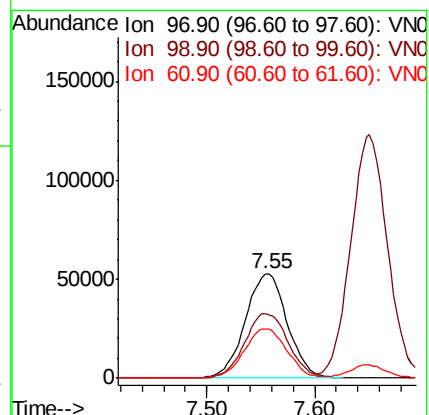
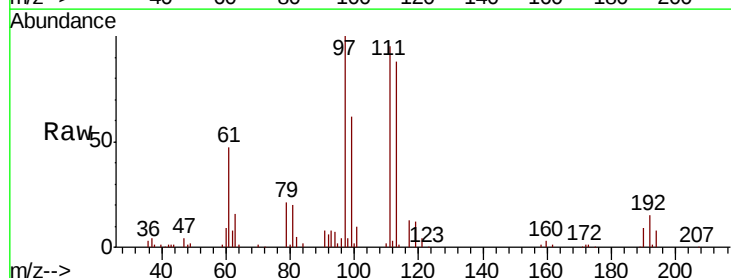
Tgt Ion: 97 Resp: 142684

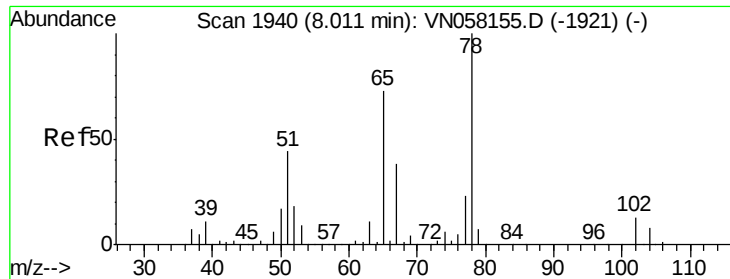
Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

61 48.4 39.2 58.8

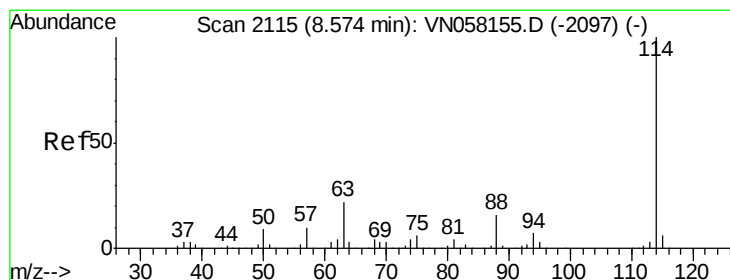
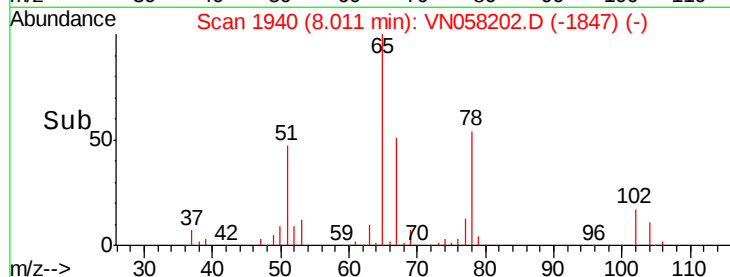
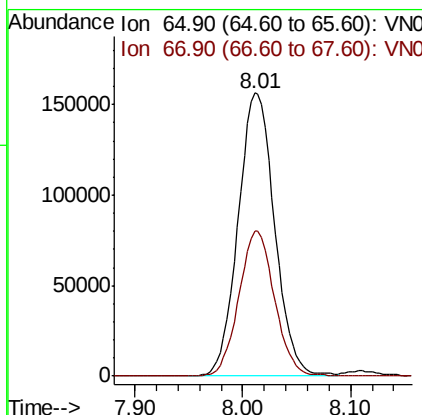
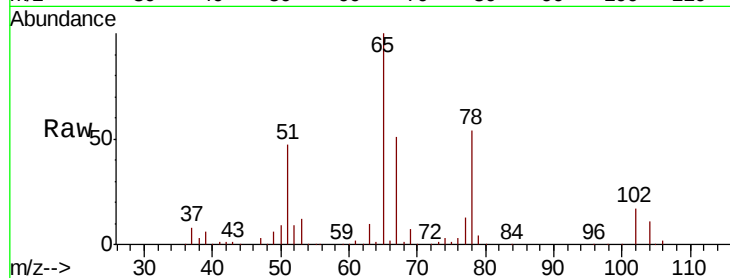




#33
 1,2-Dichloroethane-d4
 Concen: 53.541 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

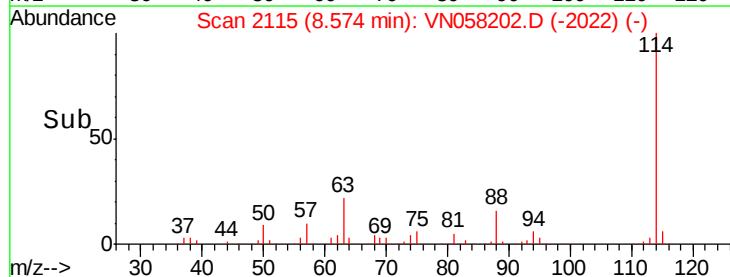
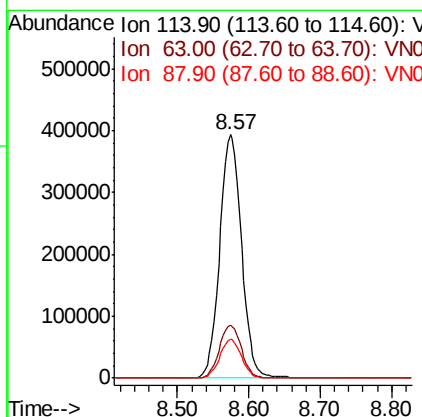
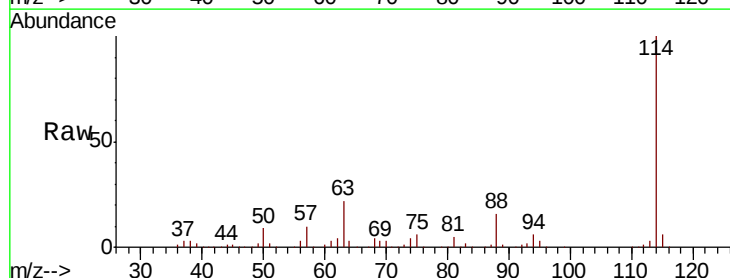
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

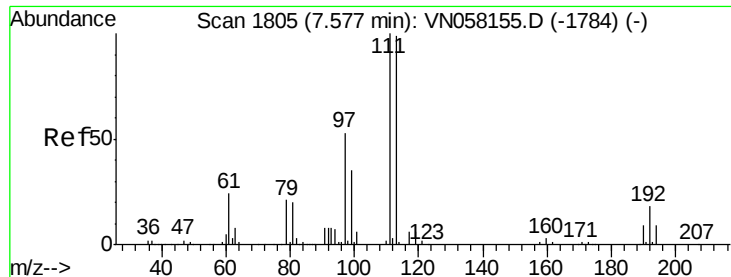
Tot Ion: 65 Resp: 368509
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 114 Resp: 833376
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.2
 88 16.1 0.0 31.6

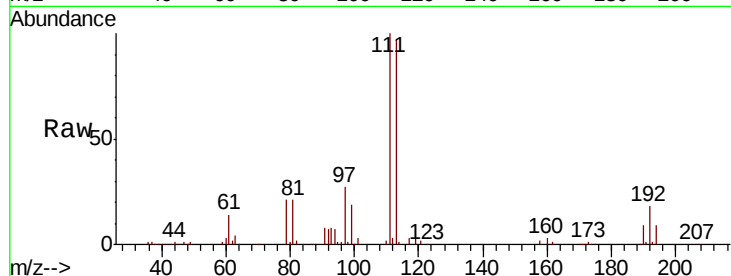




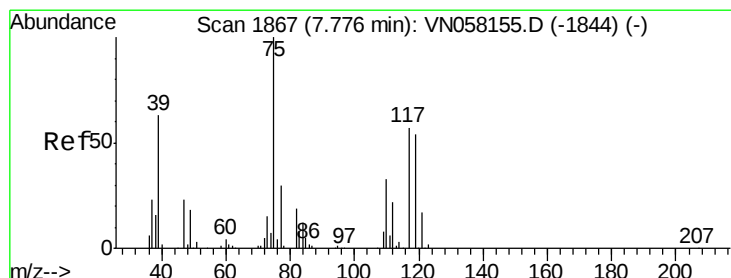
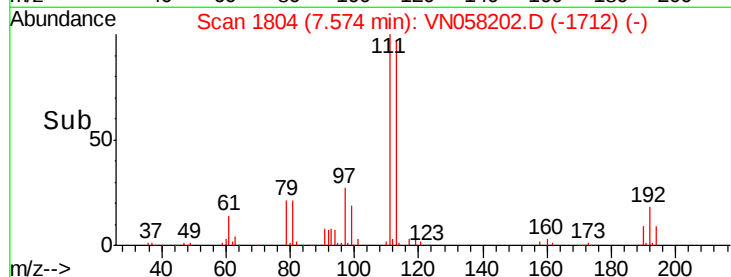
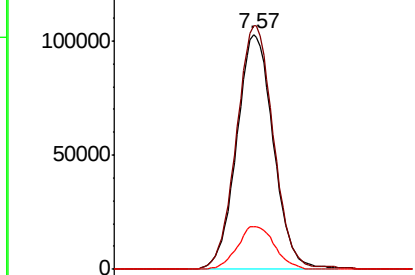
#35
 Dibromofluoromethane
 Concen: 51.076 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0919WBSD01

Tot Ion:113 Resp: 258762
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.8 122.6
 192 18.6 14.5 21.7

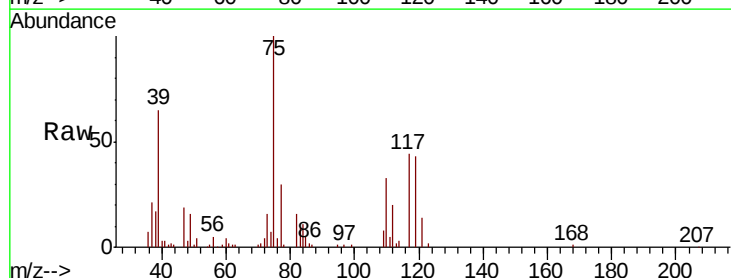


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

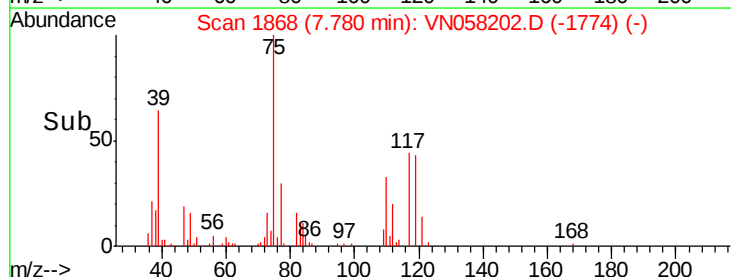
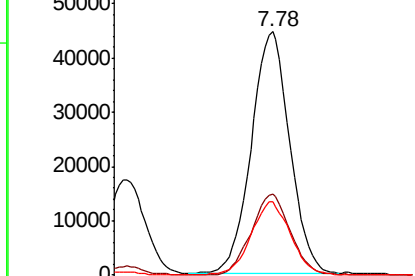


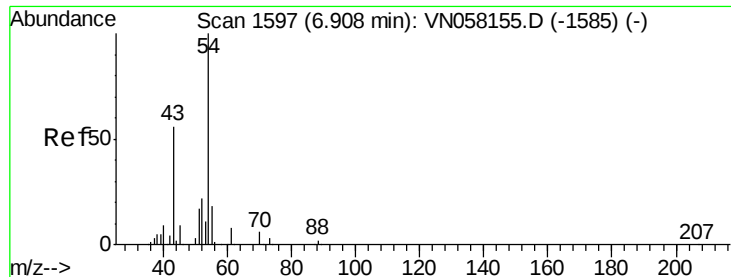
#36
 1,1-Dichloropropene
 Concen: 17.430 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 75 Resp: 104752
 Ion Ratio Lower Upper
 75 100
 110 34.3 16.6 49.7
 77 31.3 24.3 36.5



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

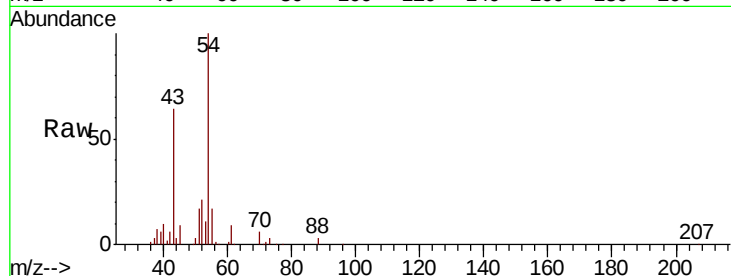




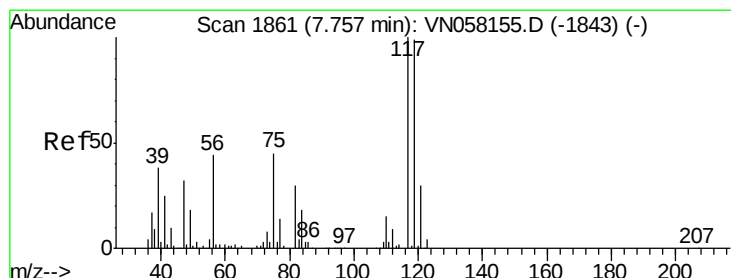
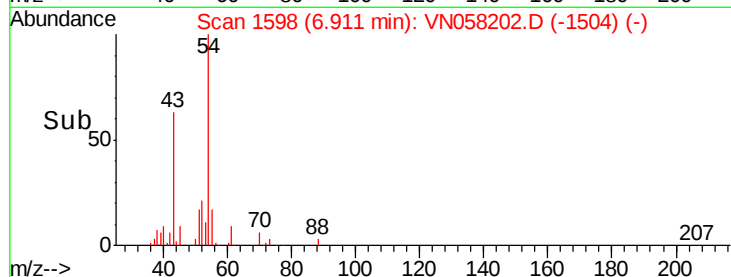
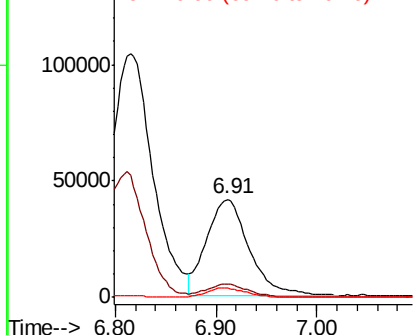
#37
Ethyl Acetate
Concen: 19.652 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD01

Tot Ion: 43 Resp: 122570
Ion Ratio Lower Upper
43 100
61 12.7 10.7 16.1
70 8.9 7.6 11.4

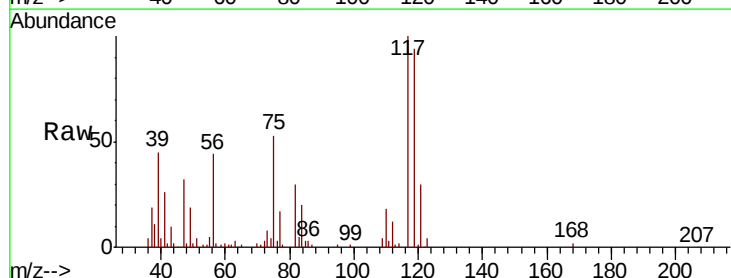


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

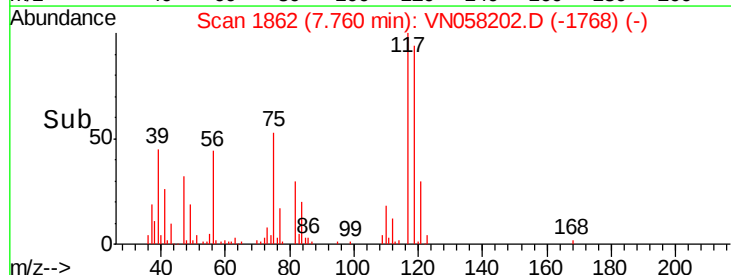
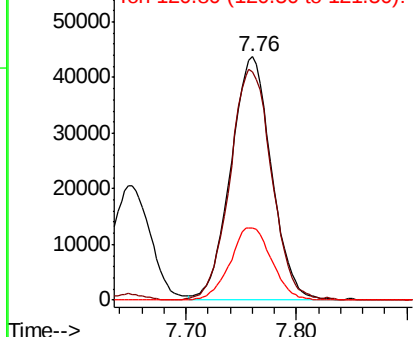


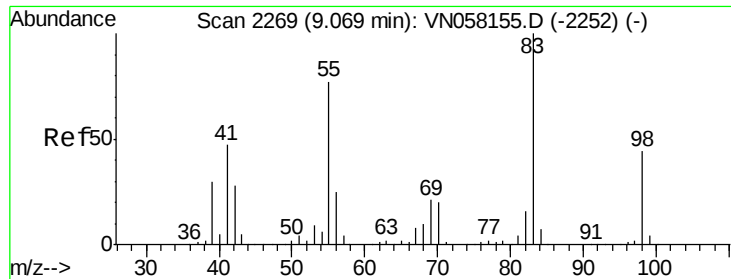
#38
Carbon Tetrachloride
Concen: 18.543 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 117 Resp: 112022
Ion Ratio Lower Upper
117 100
119 93.7 78.6 117.8
121 29.8 24.1 36.1



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

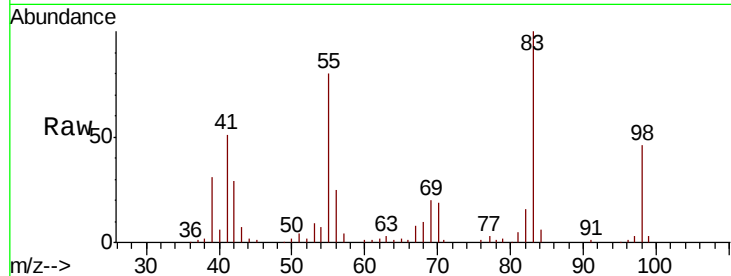




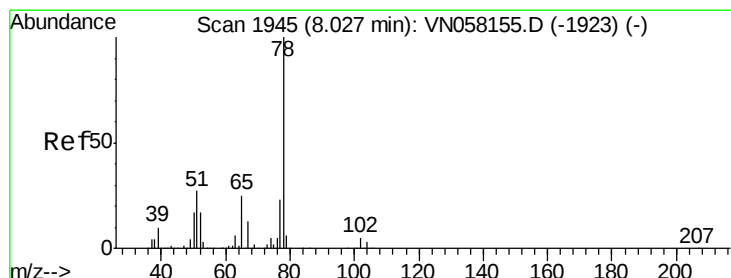
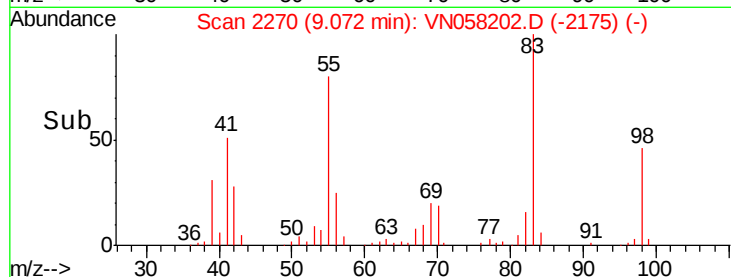
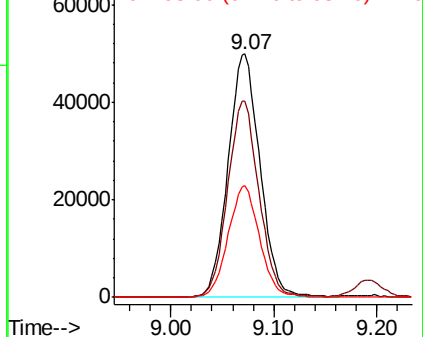
#39
Methvlcvclohexane
Concen: 18.590 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion: 83 Resp: 107761
Ion Ratio Lower Upper
83 100
55 80.5 61.9 92.9
98 45.8 35.4 53.2

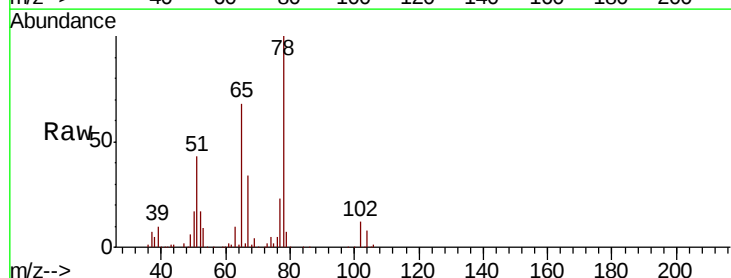


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

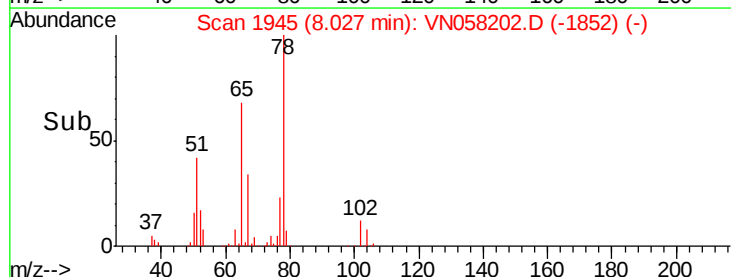
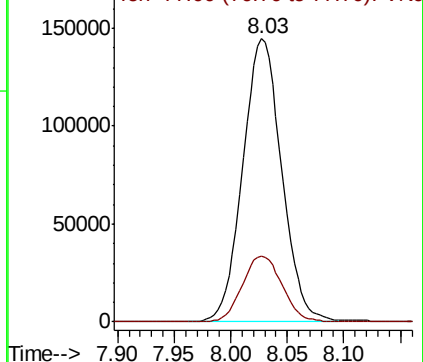


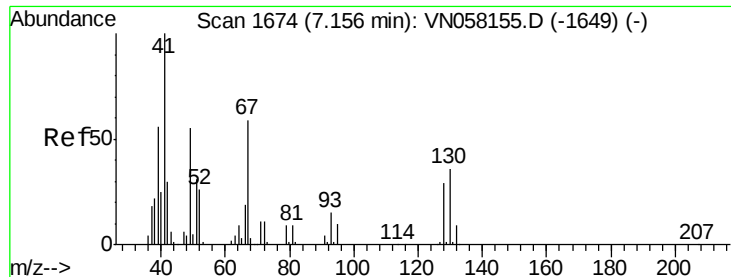
#40
Benzene
Concen: 18.876 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 78 Resp: 346494
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

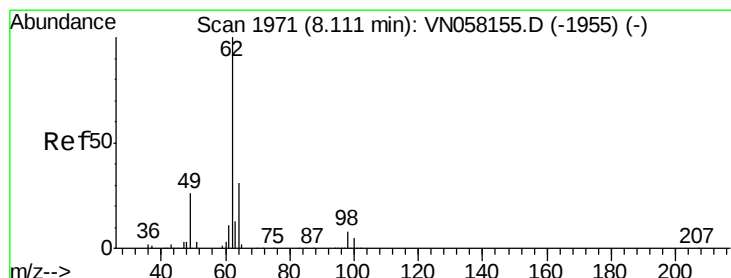
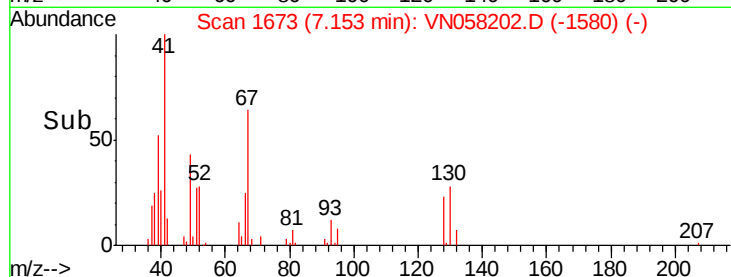
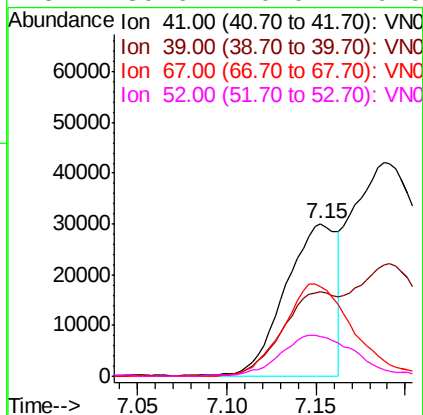
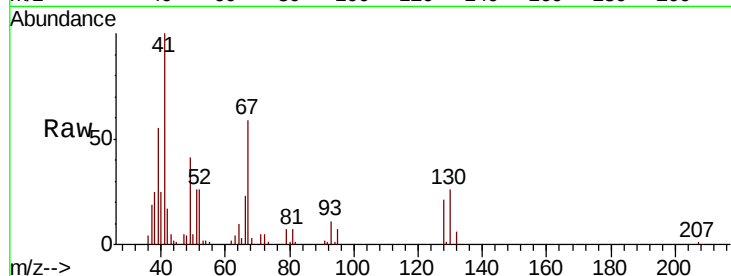




#41
Methacrylonitrile
Concen: 19.873 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

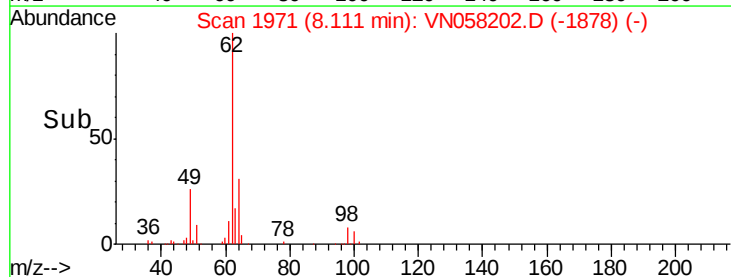
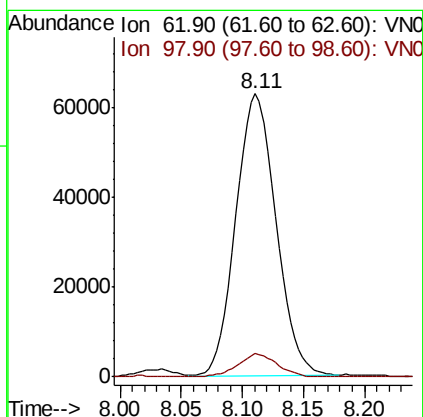
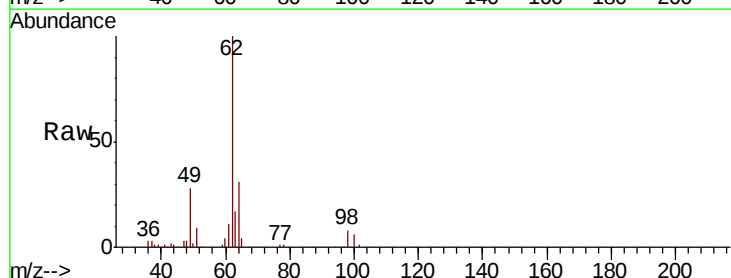
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

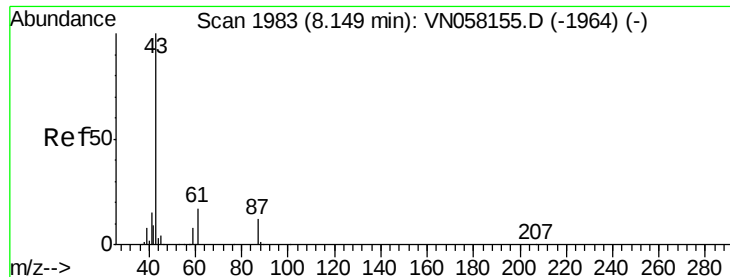
Tot Ion:	41	Resp:	60683
Ion	Ratio	Lower	Upper
41	100		
39	56.6	0.0	0.0#
67	82.3	0.0	0.0#
52	39.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.671 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion:	62	Resp:	143811
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6



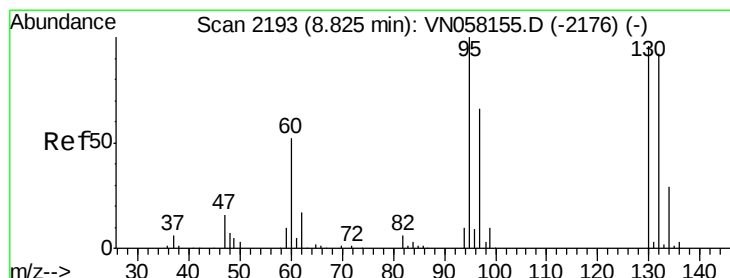
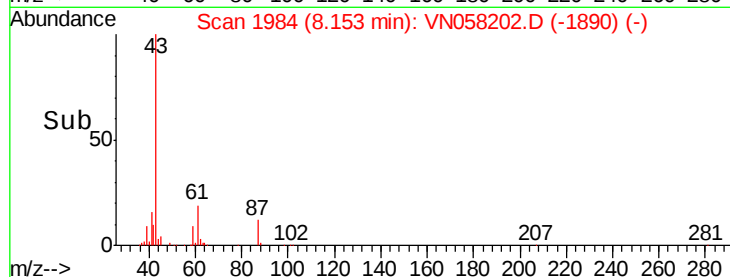
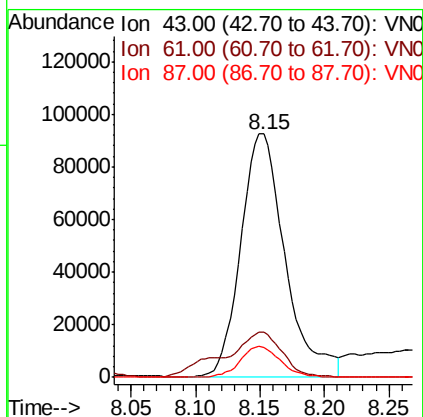
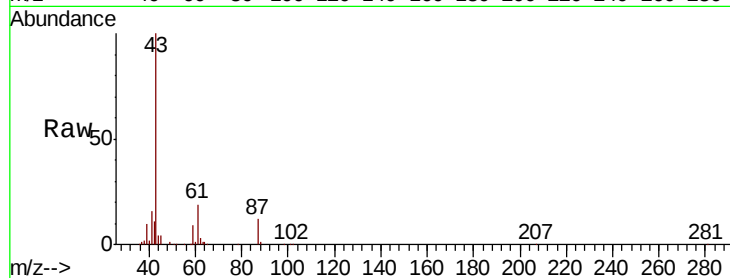


#43

Isopropyl Acetate
 Concen: 18.931 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

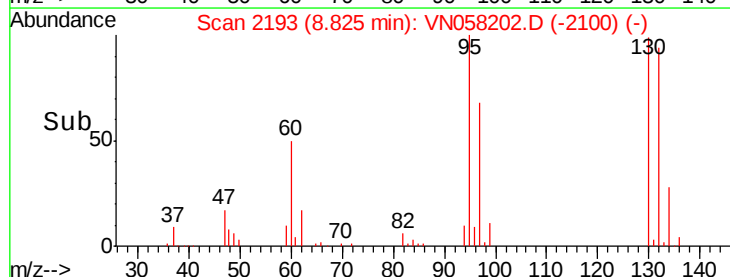
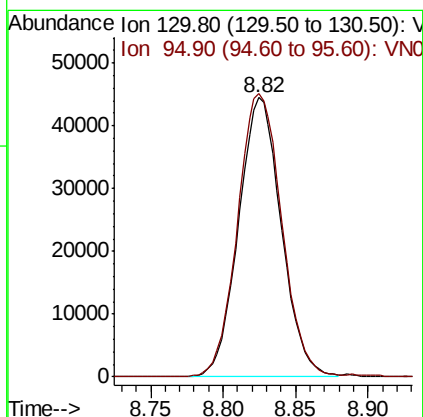
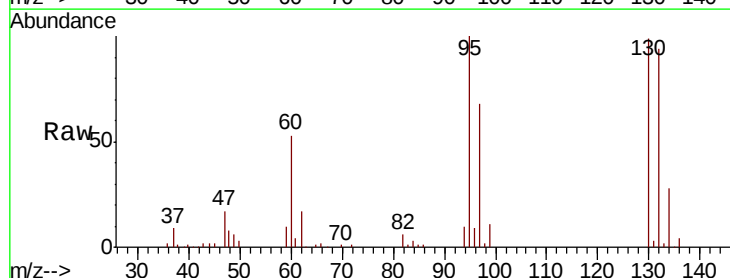
Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	19.7	29.5
87	11.6	9.4	14.2

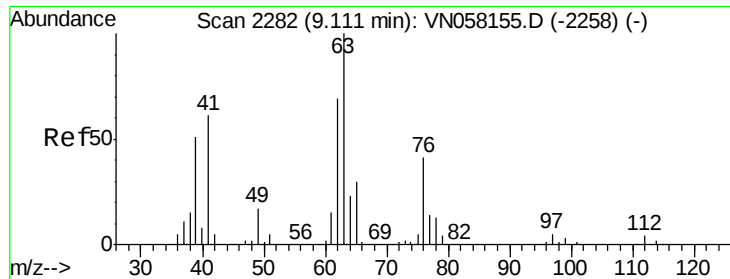


#44

Trichloroethene
 Concen: 20.299 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	207.8

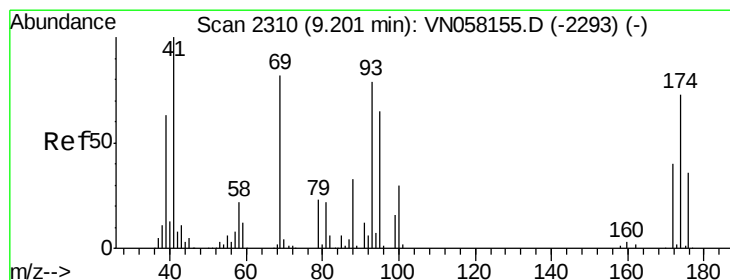
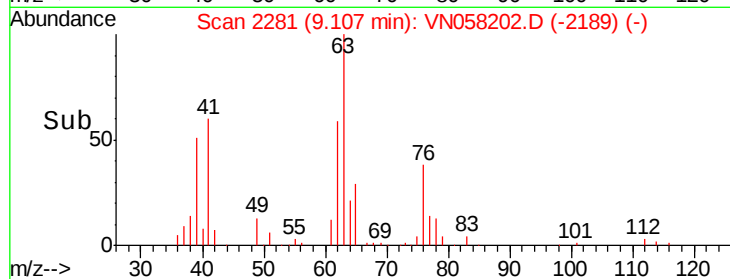
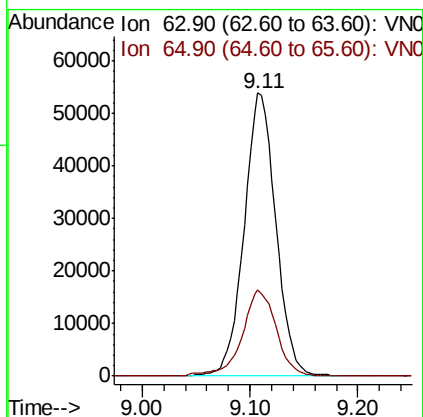
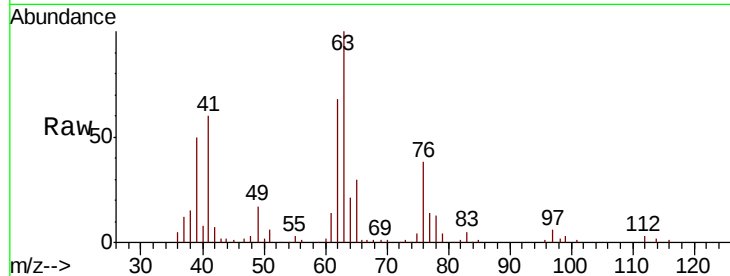




#45
 1,2-Dichloropropane
 Concen: 20.070 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

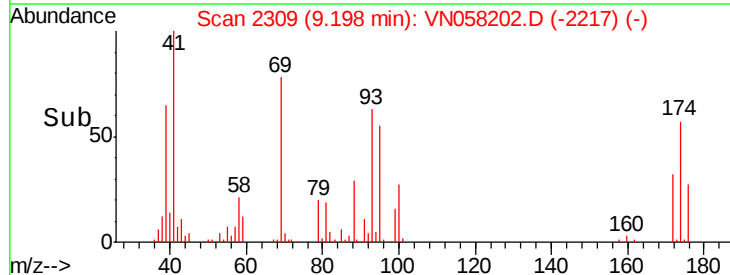
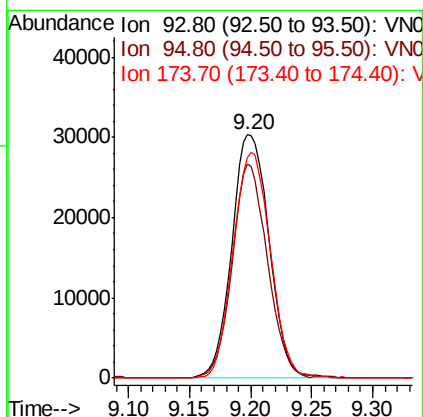
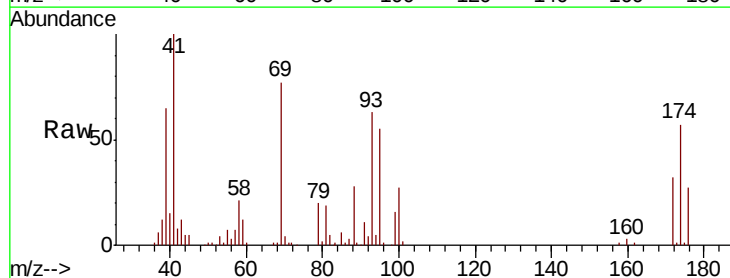
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

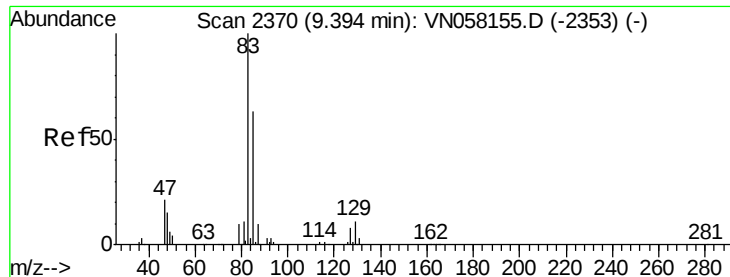
Tot Ion: 63 Resp: 110021
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.8 35.6



#46
 Dibromomethane
 Concen: 19.320 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 93 Resp: 64390
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.8 100.2
 174 92.0 73.8 110.8





#47

Bromodichloromethane

Concen: 19.367 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

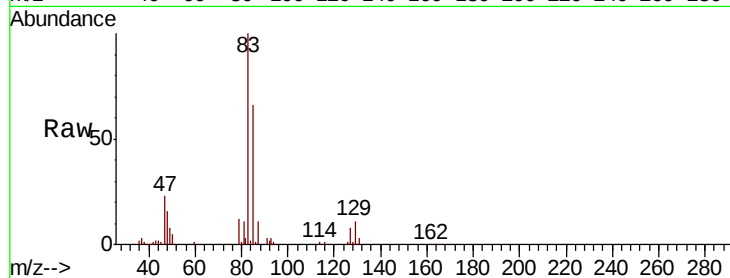
Tot Ion: 83 Resp: 135225

Ion Ratio Lower Upper

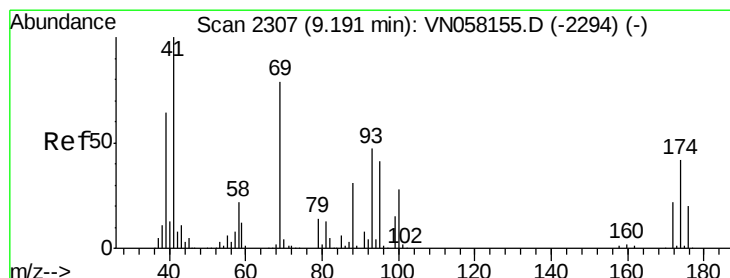
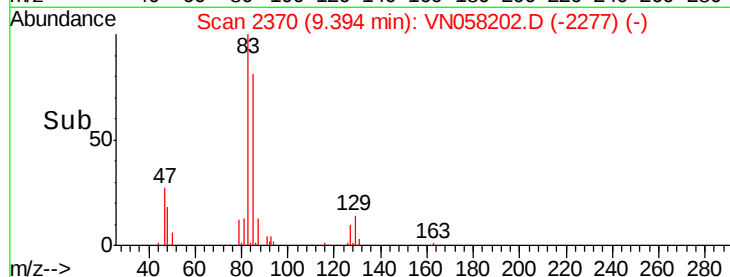
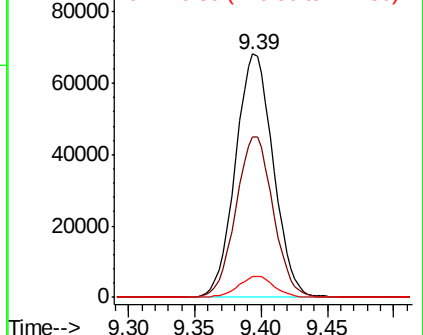
83 100

85 65.8 50.1 75.1

127 8.4 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.281 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

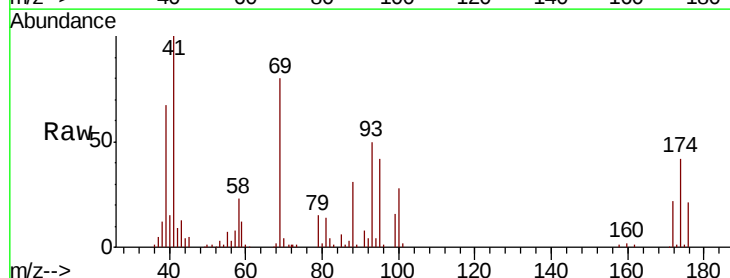
Tgt Ion: 41 Resp: 101972

Ion Ratio Lower Upper

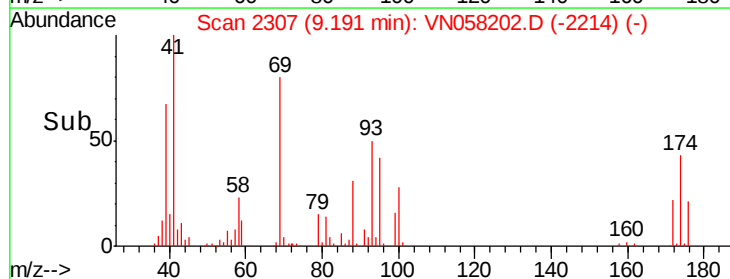
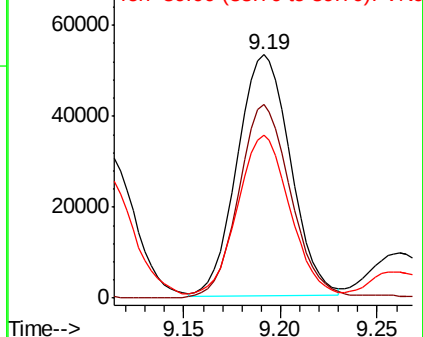
41 100

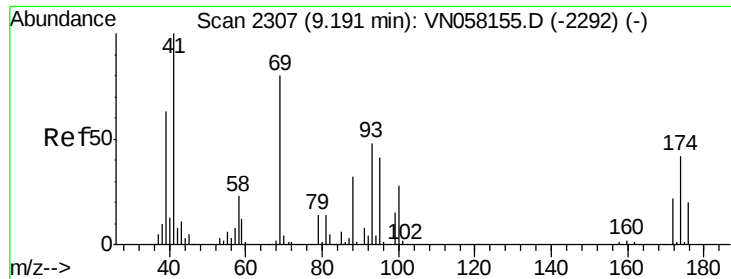
69 78.8 62.5 93.7

39 66.9 52.3 78.5



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

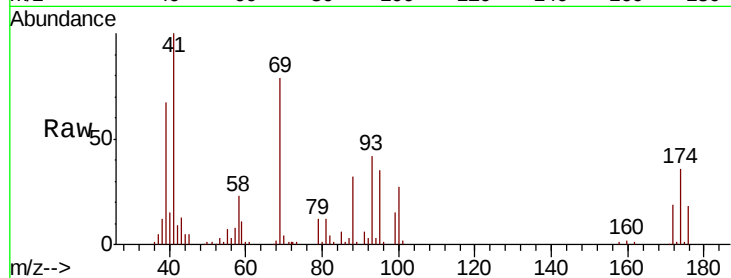




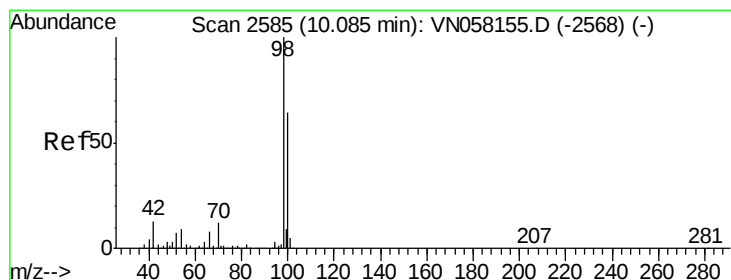
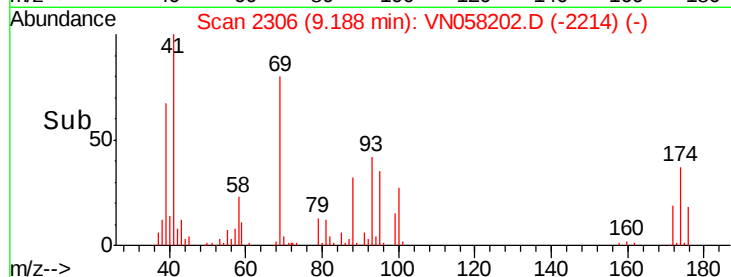
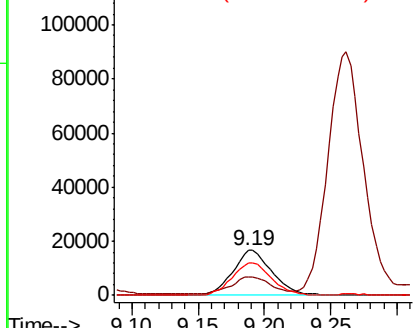
#49
 1,4-Dioxane
 Concen: 392.266 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Tot Ion: 88 Resp: 34061
 Ion Ratio Lower Upper
 88 100
 43 37.9 27.8 41.8
 58 72.5 55.0 82.4

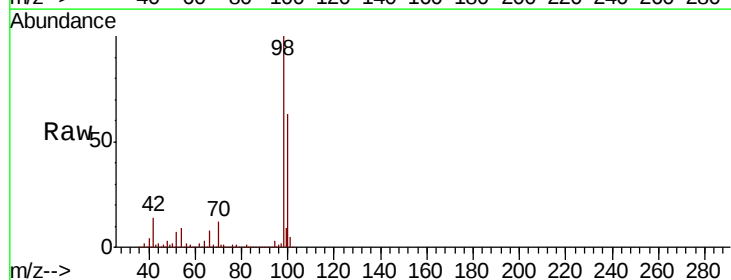


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

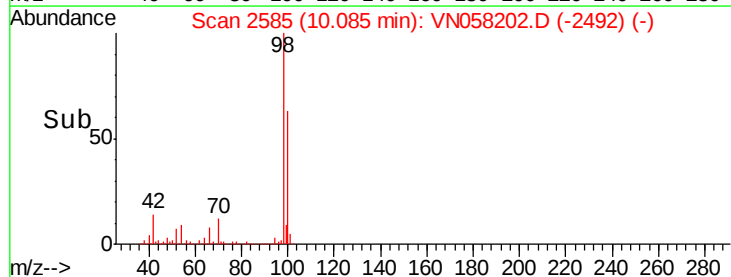
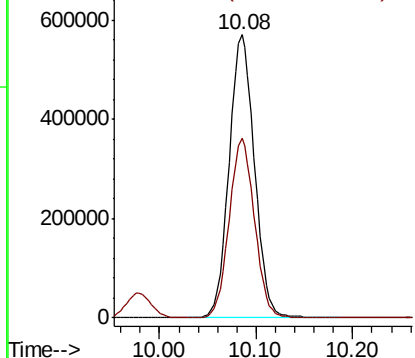


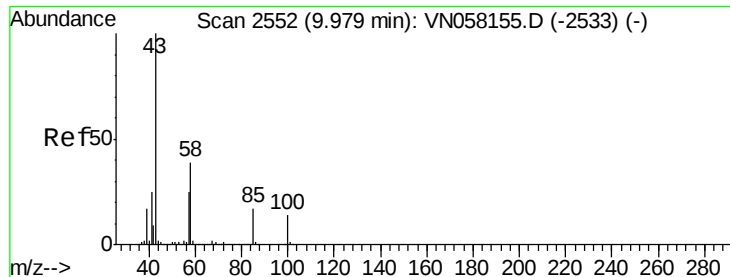
#50
 Toluene-d8
 Concen: 52.566 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 98 Resp: 1037603
 Ion Ratio Lower Upper
 98 100
 100 63.2 51.1 76.7



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: 108.894 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

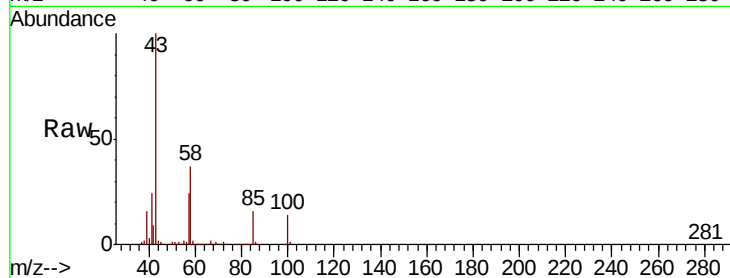
VN0919WBSD01

Tot Ion: 43 Resp: 673727

Ion Ratio Lower Upper

43 100

58 36.8 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

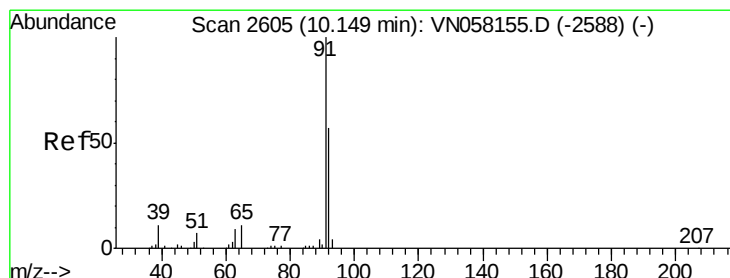
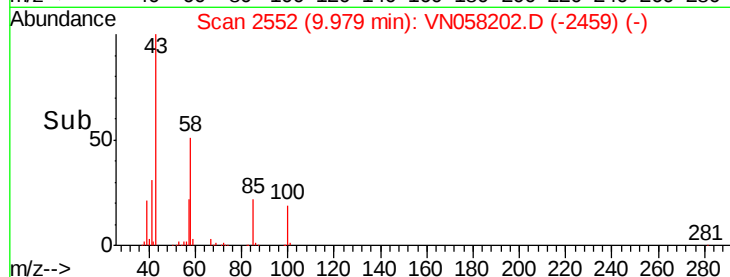
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.058 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058202.D

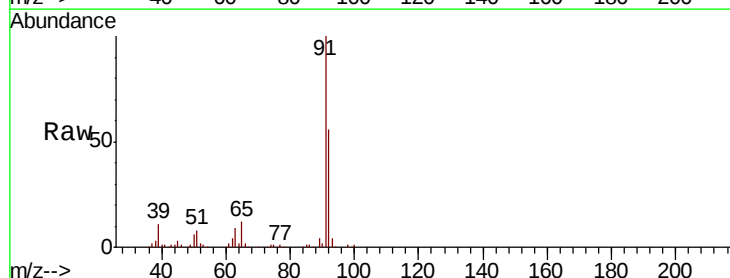
Acq: 19 Sep 2019 13:51

Tgt Ion: 92 Resp: 219242

Ion Ratio Lower Upper

92 100

91 174.9 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

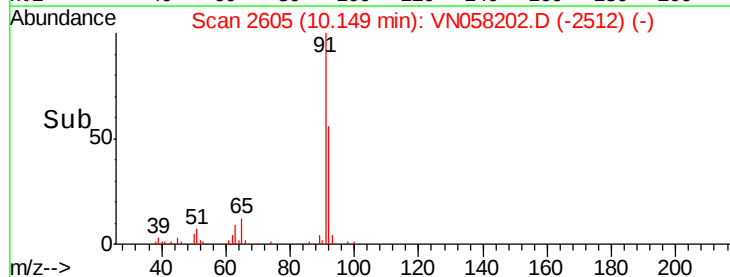
150000

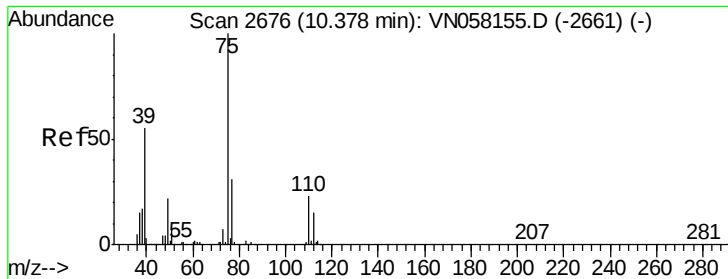
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.666 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

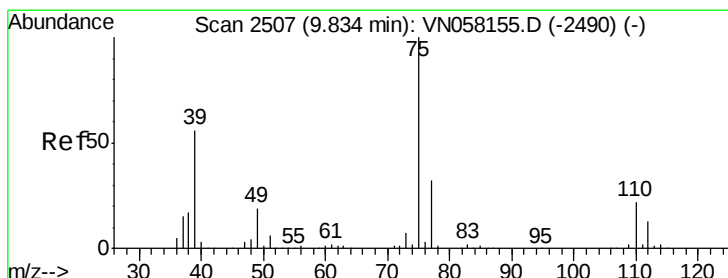
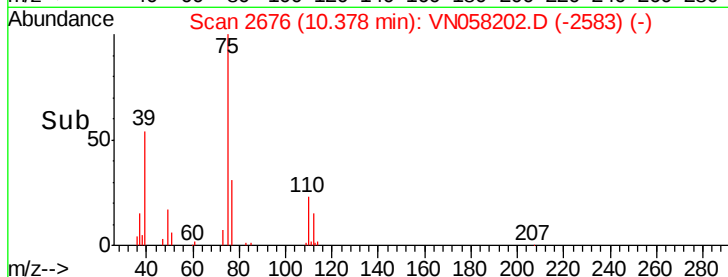
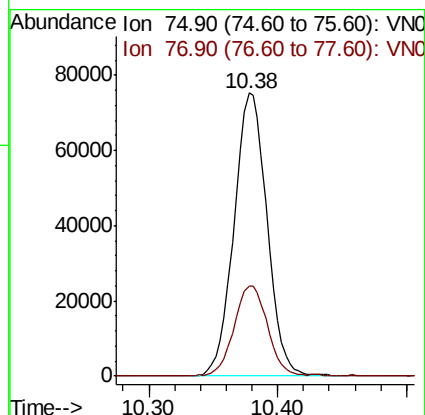
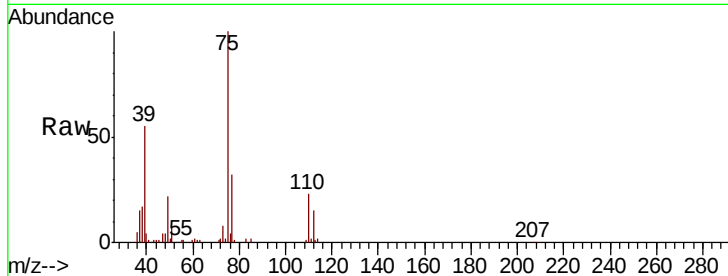
VN0919WBSD01

Tot Ion: 75 Resp: 133505

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 18.784 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

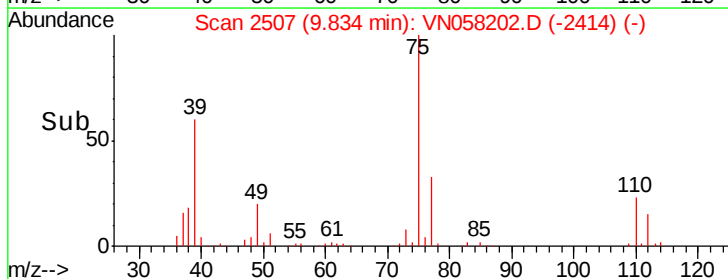
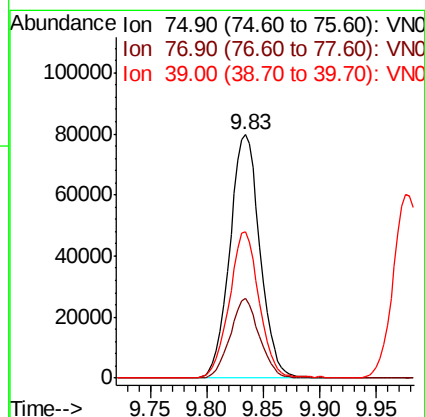
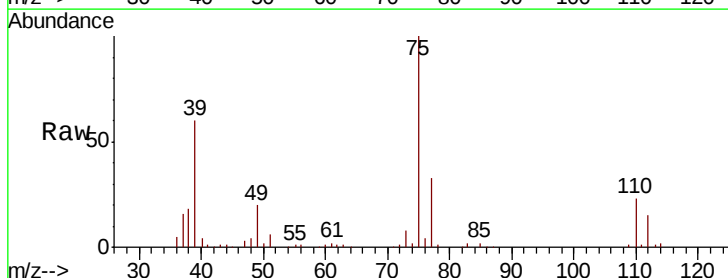
Tgt Ion: 75 Resp: 148333

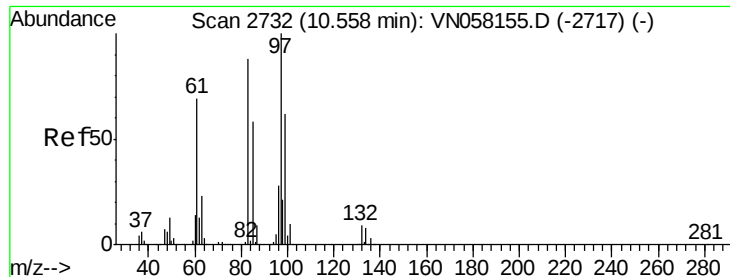
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

39 60.3 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 19.921 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

Tot Ion: 97 Resp: 101700

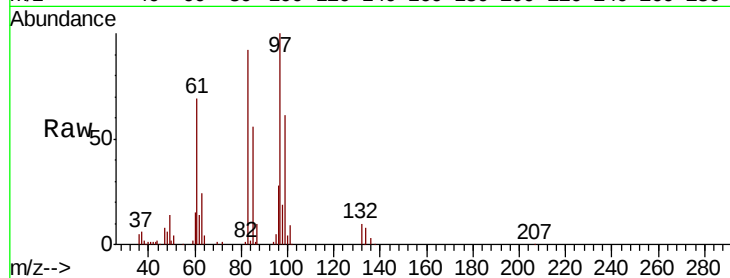
Ion Ratio Lower Upper

97 100

83 92.1 70.4 105.6

85 56.2 46.8 70.2

99 60.5 49.9 74.9



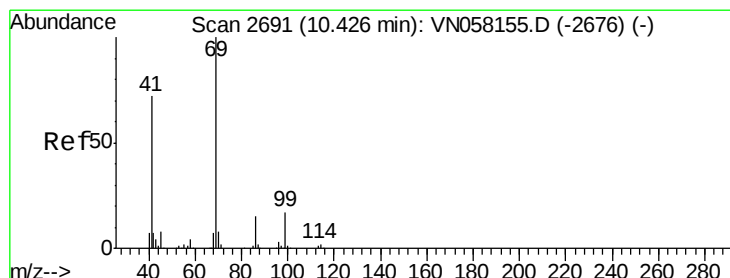
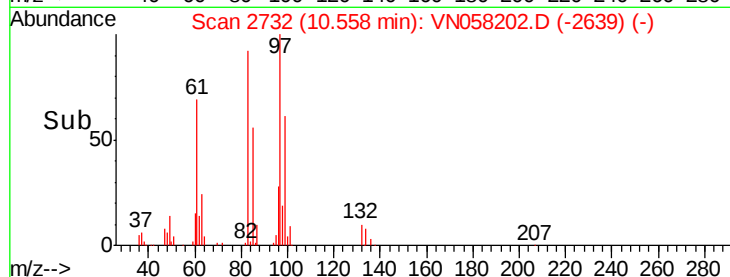
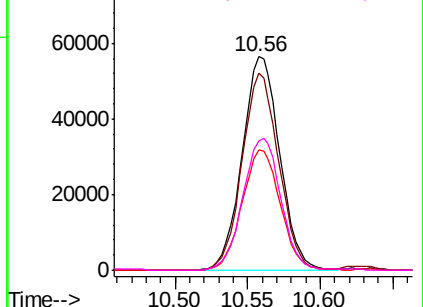
Abundance

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: 19.494 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

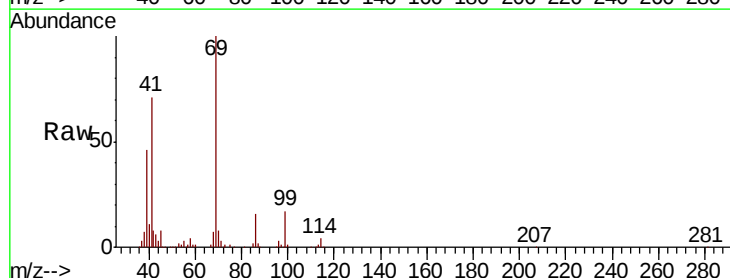
Tgt Ion: 69 Resp: 143594

Ion Ratio Lower Upper

69 100

41 72.8 57.5 86.3

39 46.0 36.1 54.1

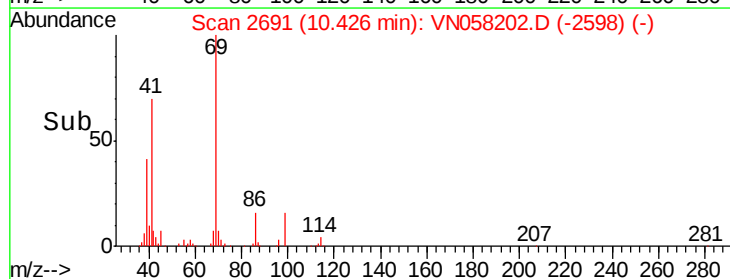
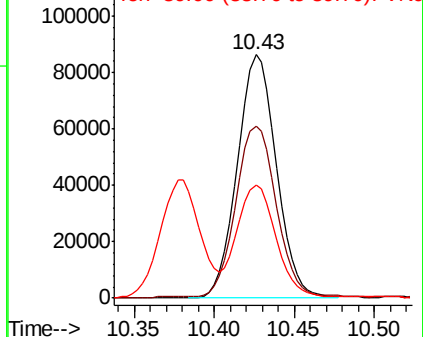


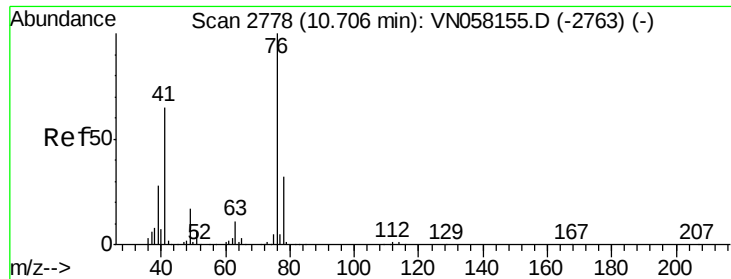
Abundance

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

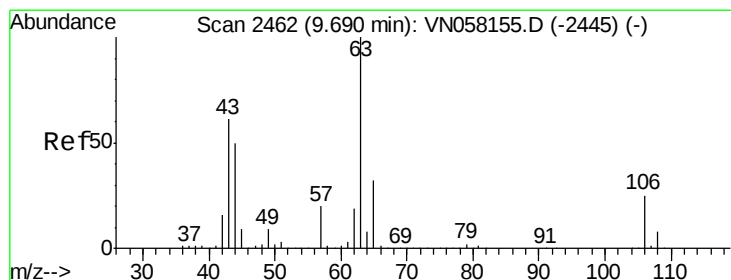
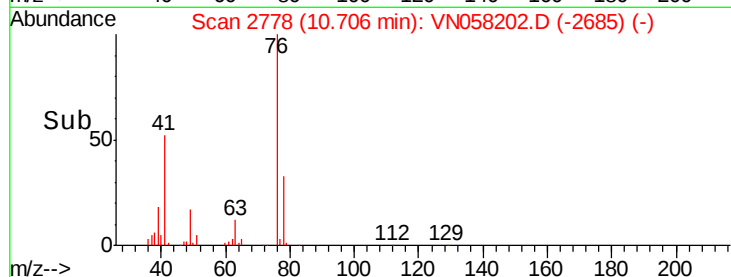
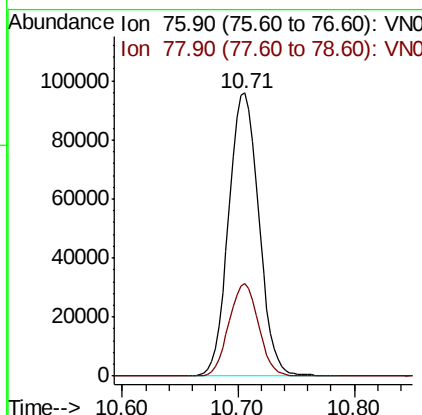
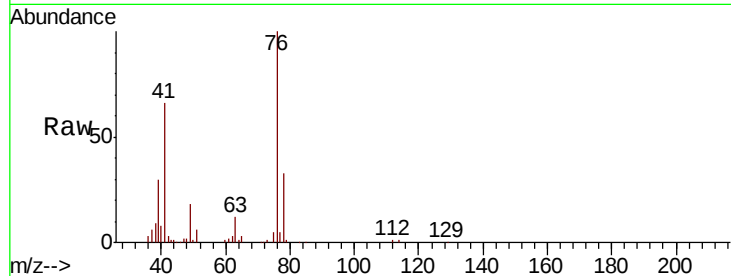




#57
 1,3-Dichloropropane
 Concen: 19.770 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

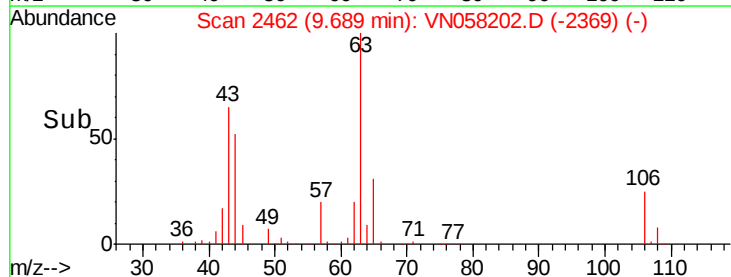
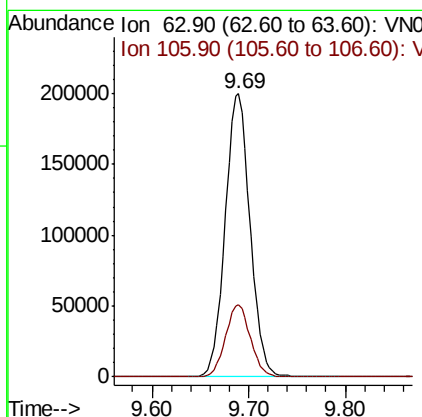
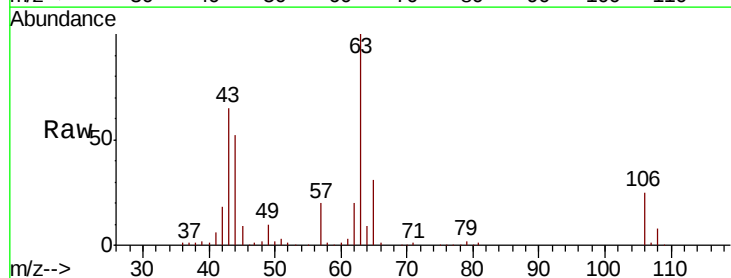
Instrument :
 MSVOA_N
 ClientSampled :
 VN0919WBSD01

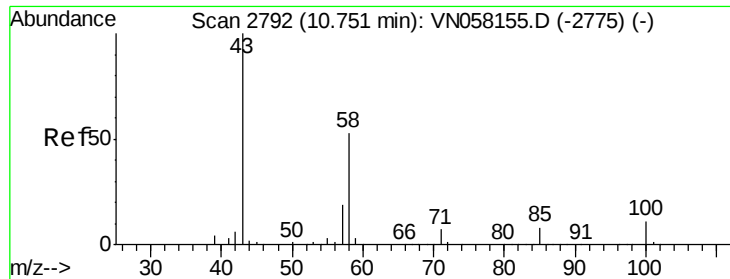
Tot Ion: 76 Resp: 173507
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.624 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 63 Resp: 356559
 Ion Ratio Lower Upper
 63 100
 106 25.5 19.9 29.9

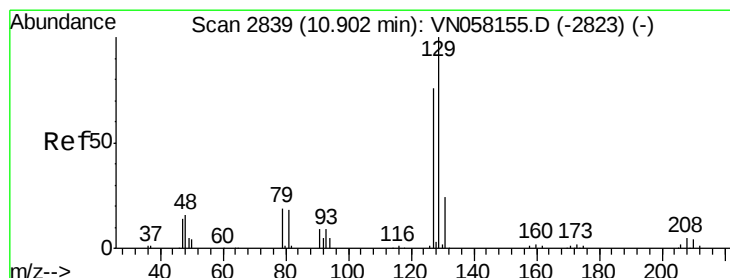
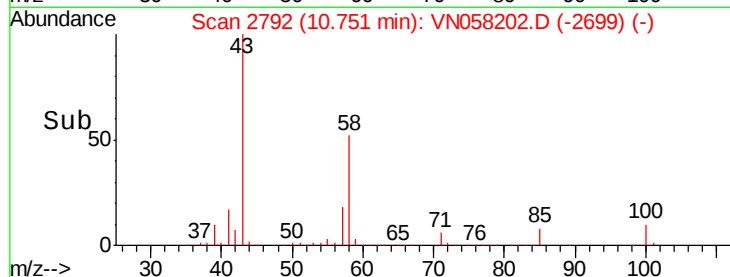
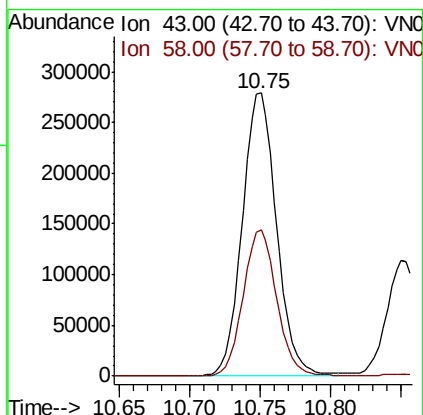
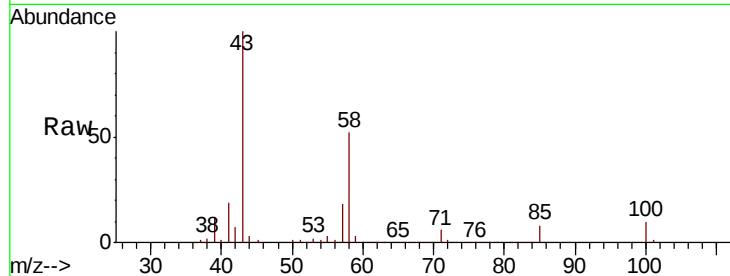




#59
2-Hexanone
Concen: 102.884 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

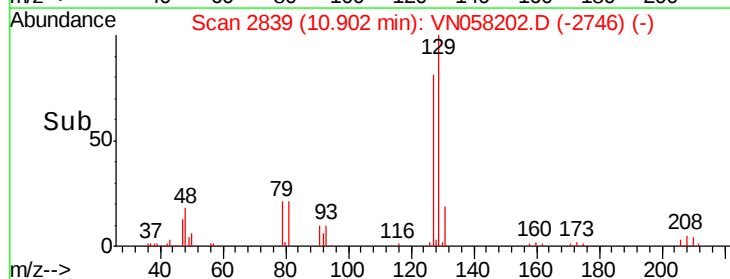
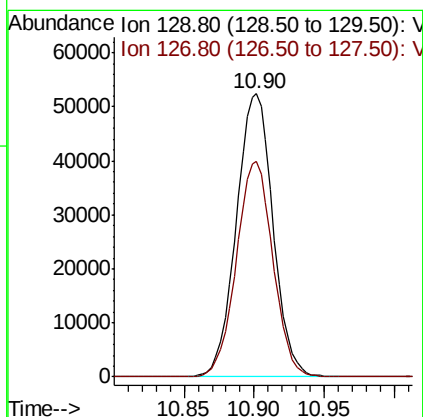
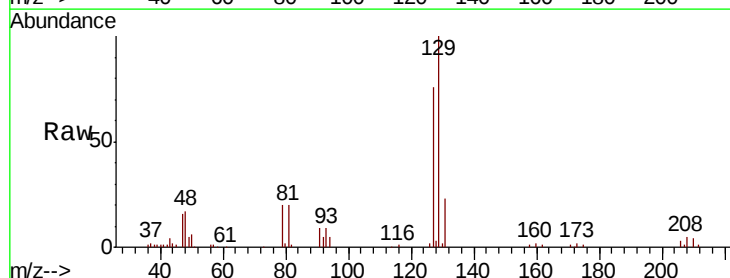
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

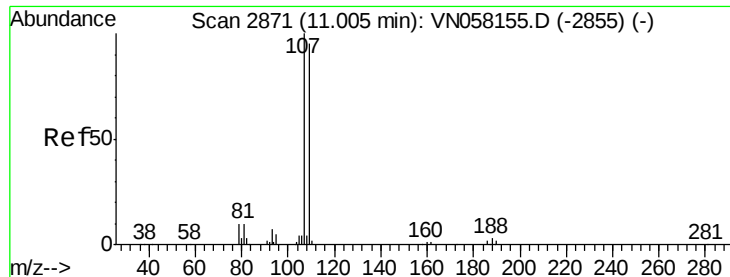
Tot Ion: 43 Resp: 472752
Ion Ratio Lower Upper
43 100
58 51.1 26.0 78.0



#60
Dibromochloromethane
Concen: 19.441 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 129 Resp: 95485
Ion Ratio Lower Upper
129 100
127 75.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 19.394 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

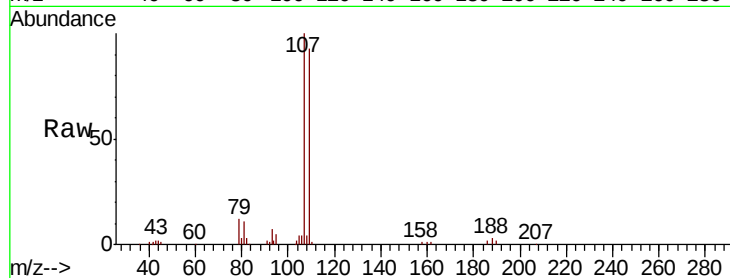
VN0919WBSD01

Tot Ion:107 Resp: 91755

Ion Ratio Lower Upper

107 100

109 93.9 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

60000

50000

40000

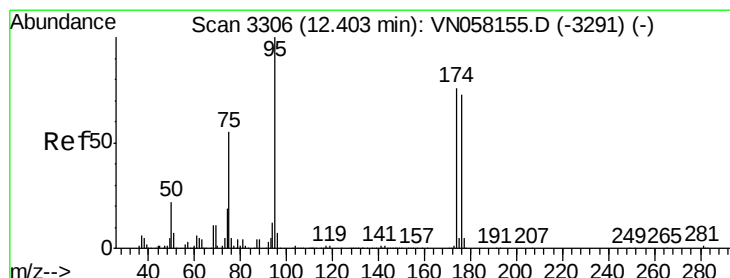
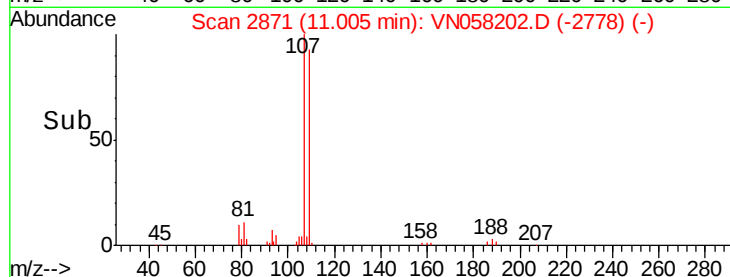
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.713 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

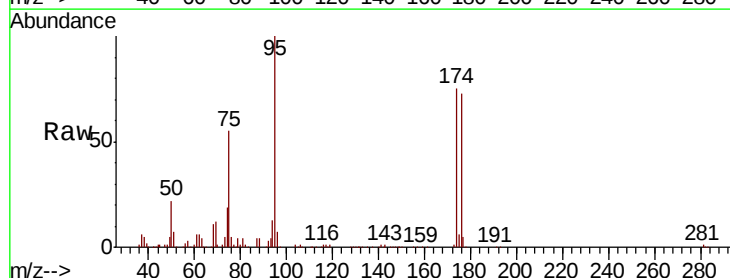
Tgt Ion: 95 Resp: 364511

Ion Ratio Lower Upper

95 100

174 76.0 0.0 152.2

176 74.4 0.0 148.0



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

300000

250000

200000

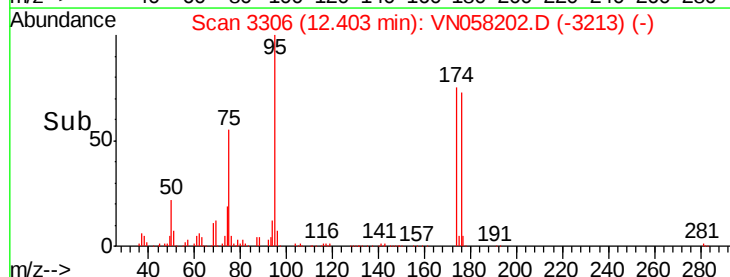
150000

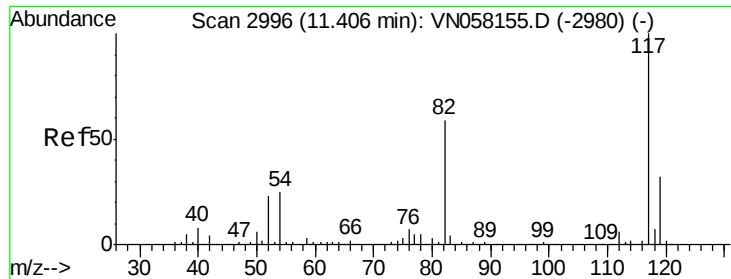
100000

50000

0

Time-->

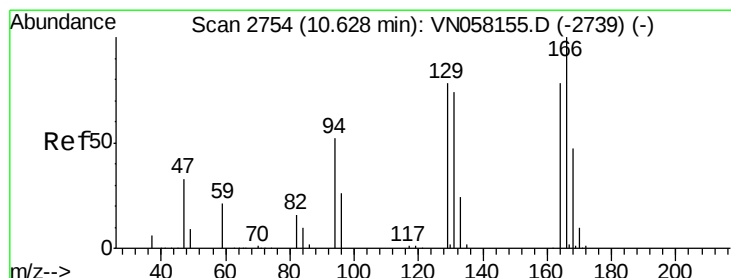
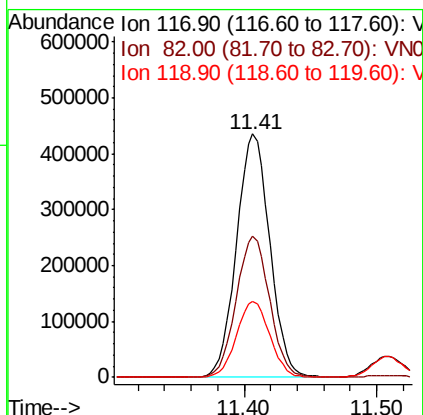
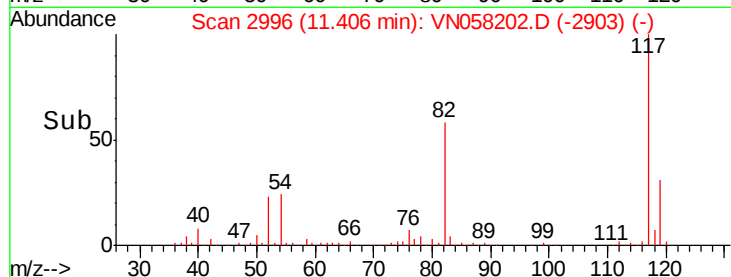
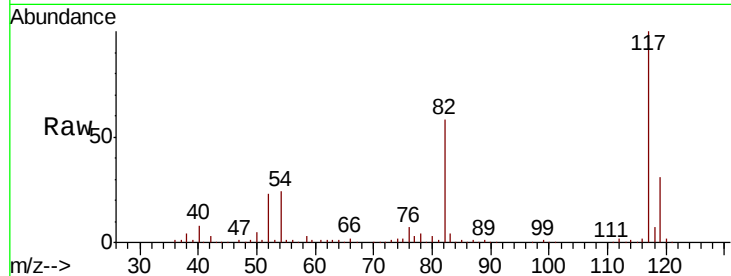




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

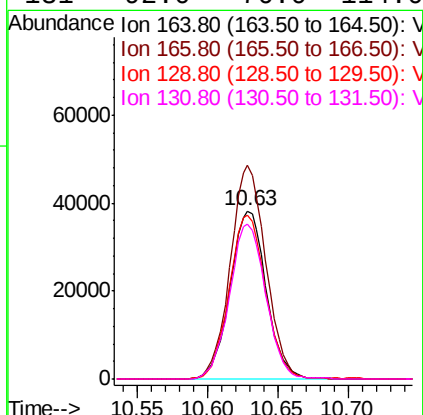
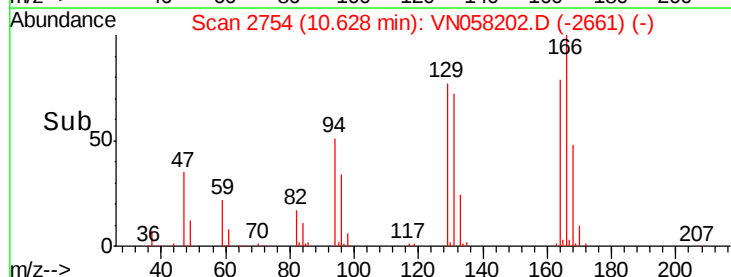
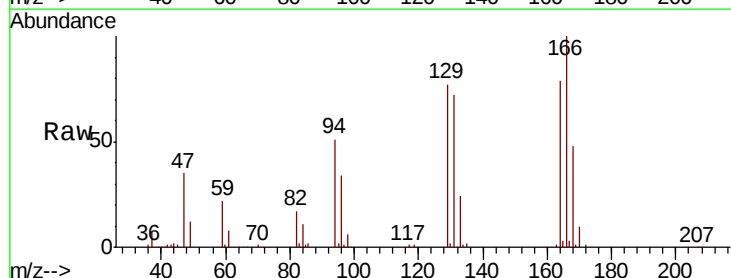
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

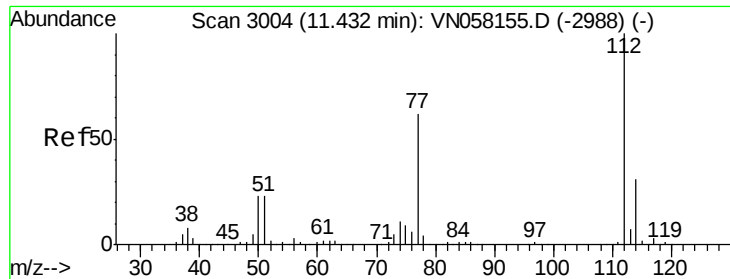
Tot Ion:117 Resp: 759922
Ion Ratio Lower Upper
117 100
82 57.9 46.9 70.3
119 31.2 25.3 37.9



#64
Tetrachloroethene
Concen: 18.489 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion:164 Resp: 68492
Ion Ratio Lower Upper
164 100
166 126.9 102.2 153.4
129 97.5 79.6 119.4
131 92.0 76.0 114.0

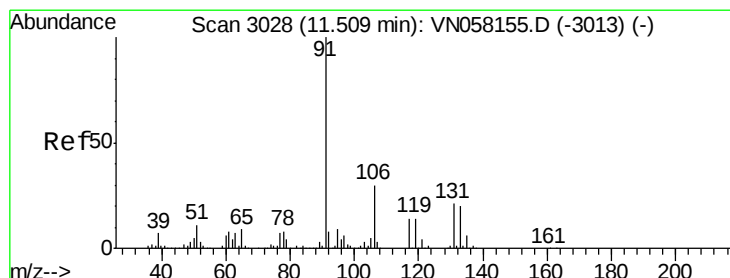
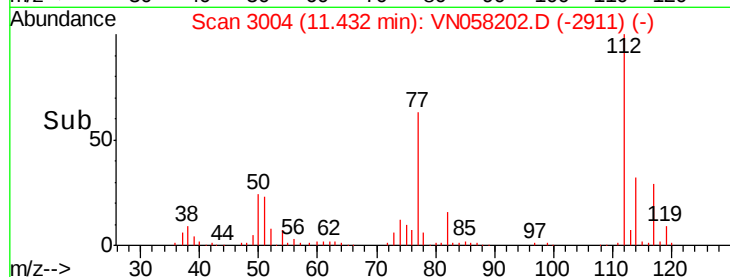
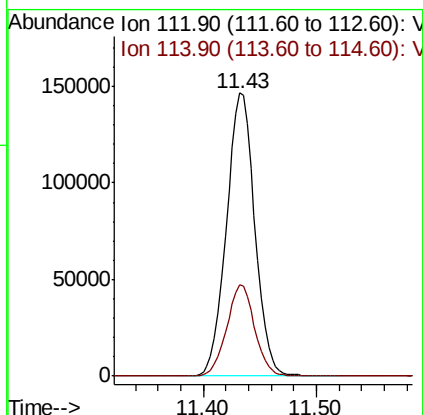
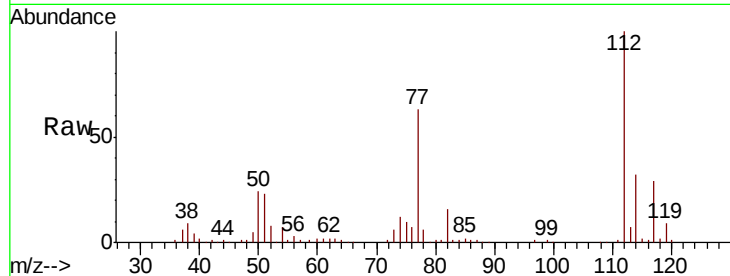




#65
Chlorobenzene
Concen: 19.080 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

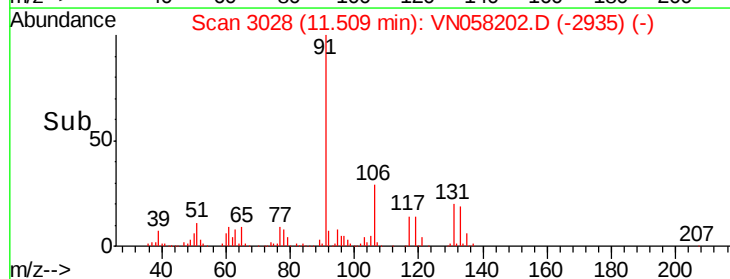
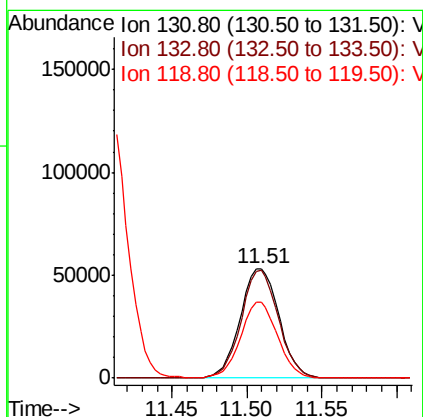
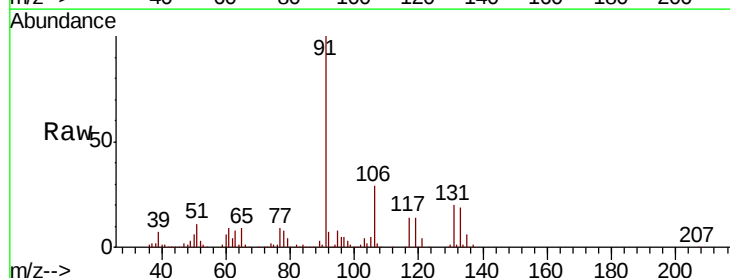
Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

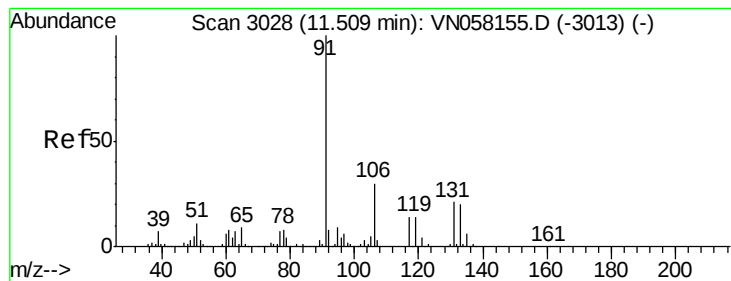
Tot Ion:112 Resp: 255028
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.839 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion:131 Resp: 96152
Ion Ratio Lower Upper
131 100
133 94.5 47.8 143.3
119 66.3 33.1 99.3





#67

Ethyl Benzene

Concen: 19.712 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

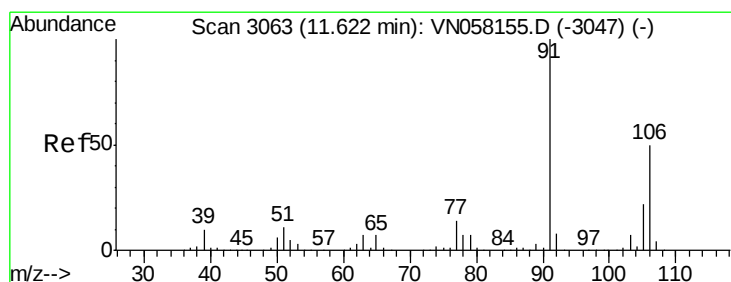
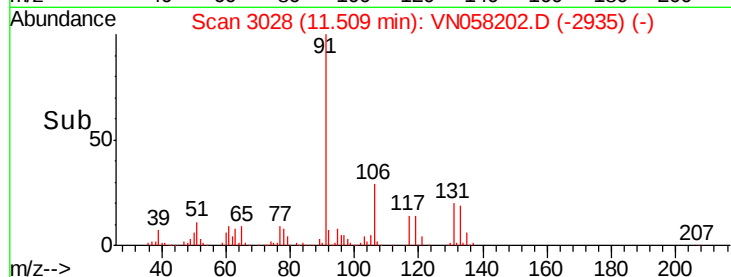
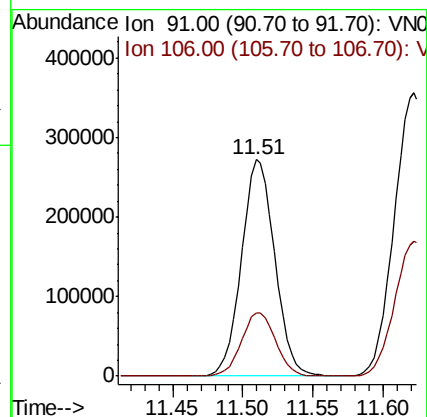
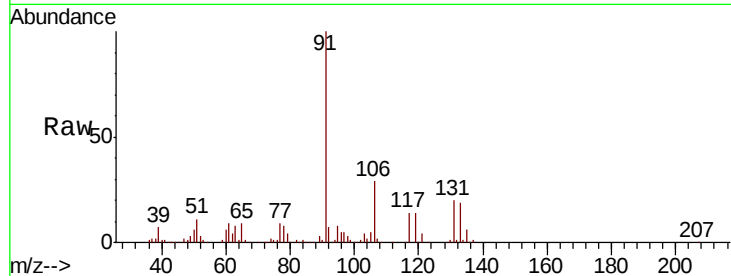
VN0919WBSD01

Tot Ion: 91 Resp: 451472

Ion Ratio Lower Upper

91 100

106 29.5 24.0 36.0



#68

m/p-Xylenes

Concen: 37.685 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058202.D

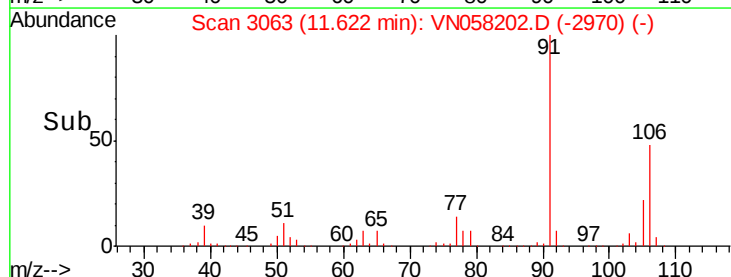
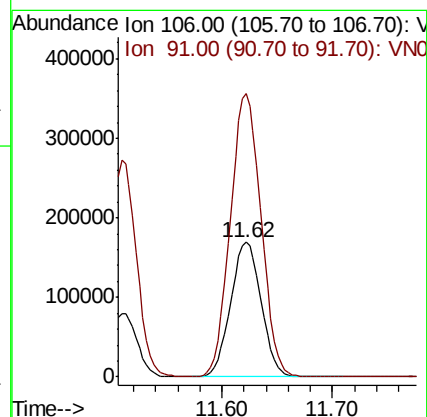
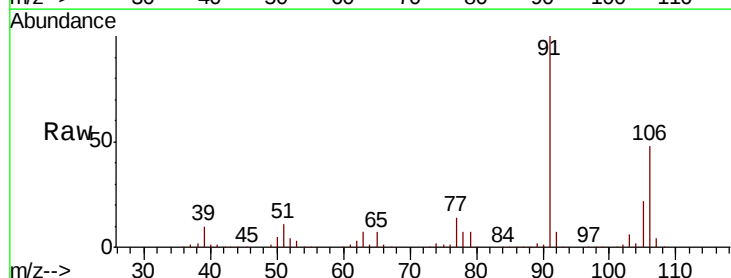
Acq: 19 Sep 2019 13:51

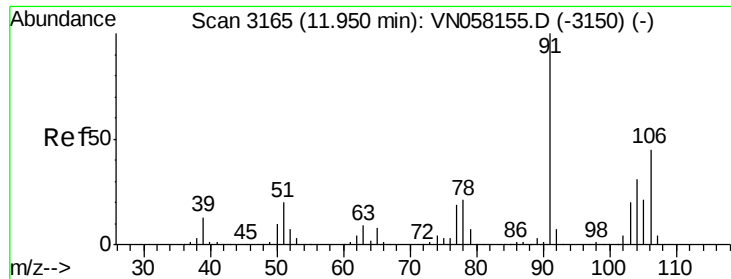
Tgt Ion: 106 Resp: 325072

Ion Ratio Lower Upper

106 100

91 211.1 163.6 245.4

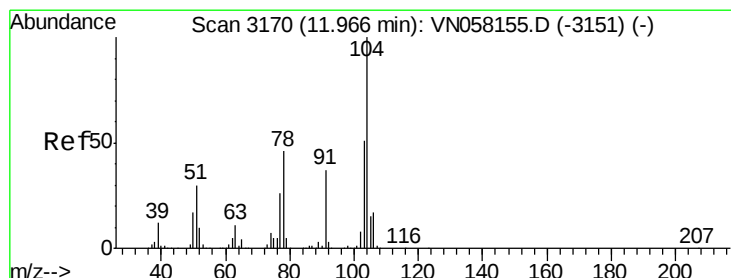
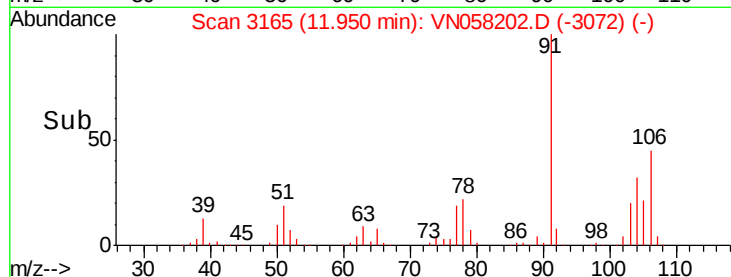
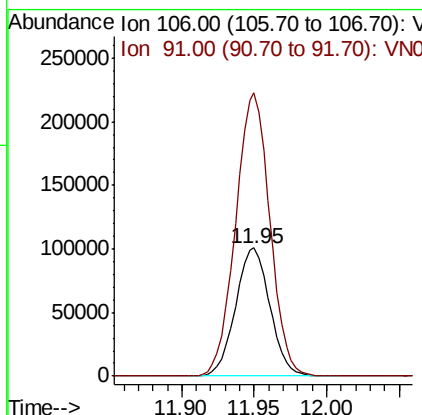
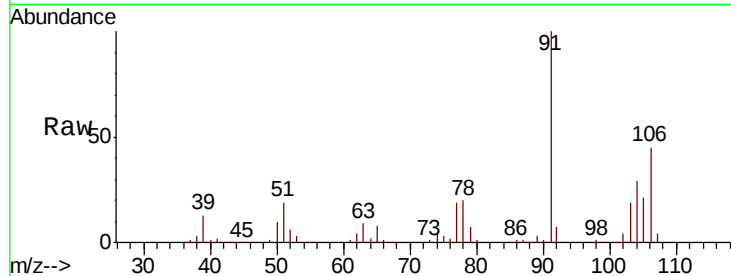




#69
o-Xylene
Concen: 19.529 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

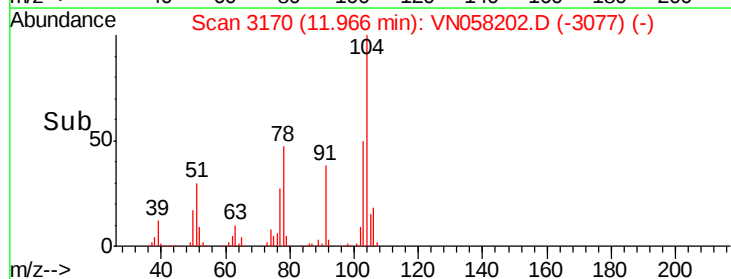
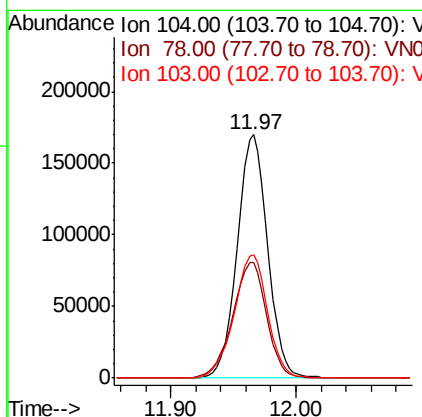
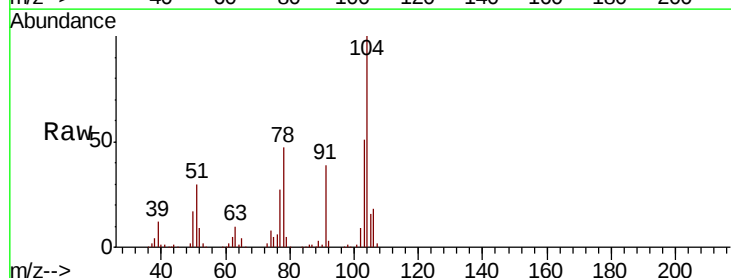
Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD01

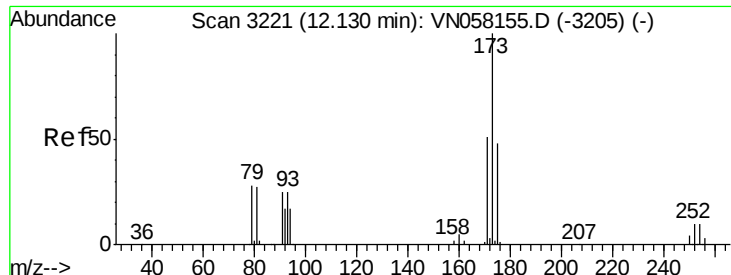
Tot Ion:106 Resp: 165647
Ion Ratio Lower Upper
106 100
91 220.4 111.8 335.3



#70
Styrene
Concen: 19.601 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion:104 Resp: 286461
Ion Ratio Lower Upper
104 100
78 53.2 41.8 62.8
103 55.6 44.2 66.2





#71

Bromoform

Concen: 18.275 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

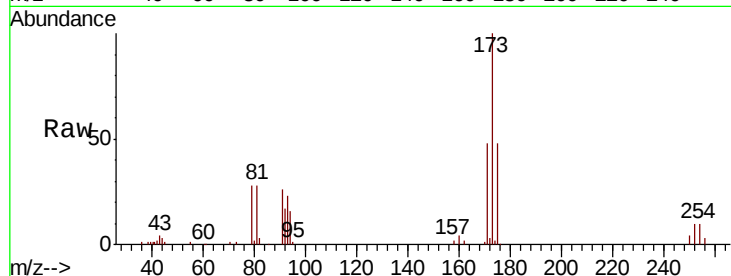
Tot Ion:173 Resp: 56837

Ion Ratio Lower Upper

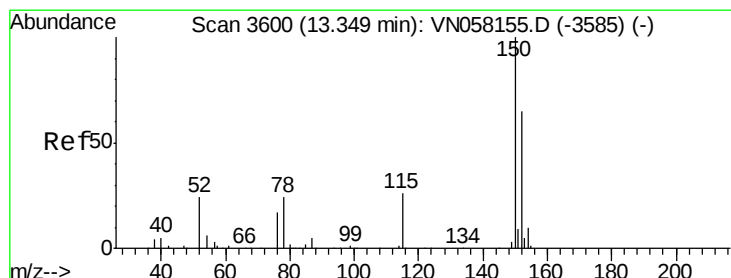
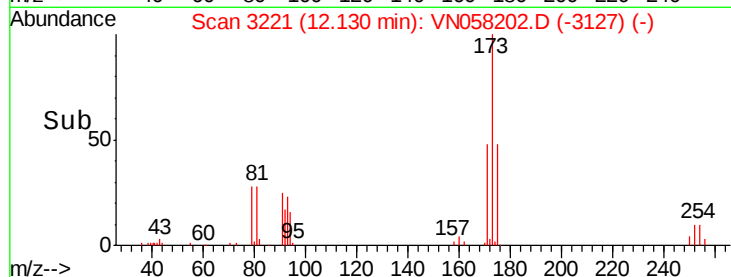
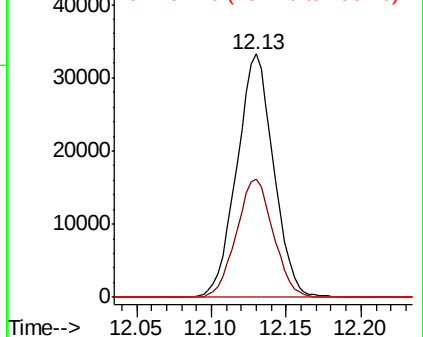
173 100

175 48.8 24.2 72.6

254 0.0 0.1 0.1#



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: VN058202.D

Acq: 19 Sep 2019 13:51

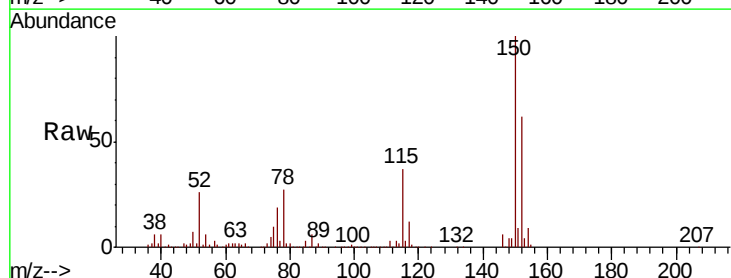
Tgt Ion:152 Resp: 358725

Ion Ratio Lower Upper

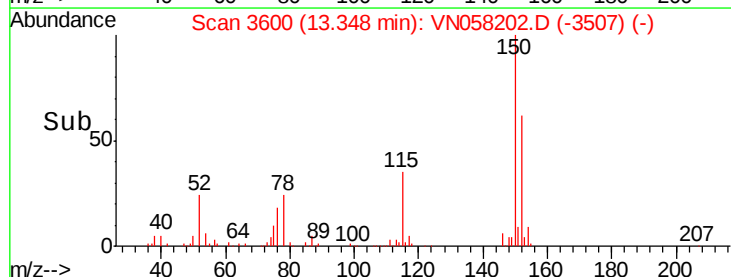
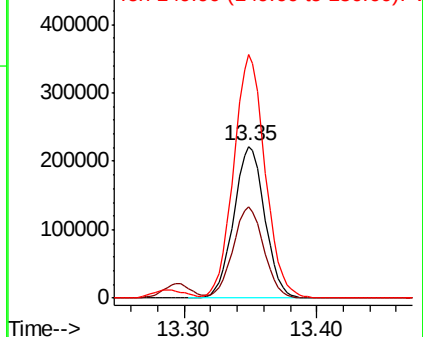
152 100

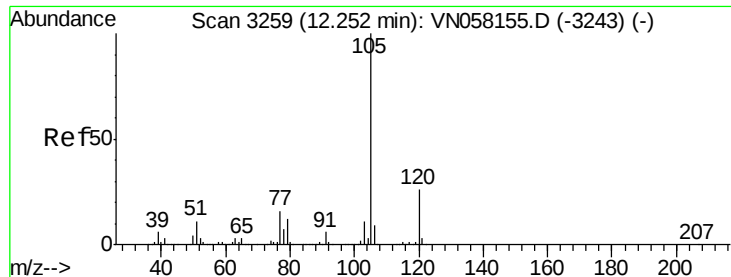
115 60.0 30.1 90.3

150 162.7 0.0 346.4



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: 20.888 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

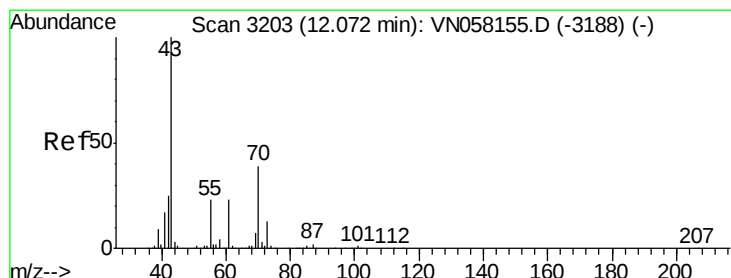
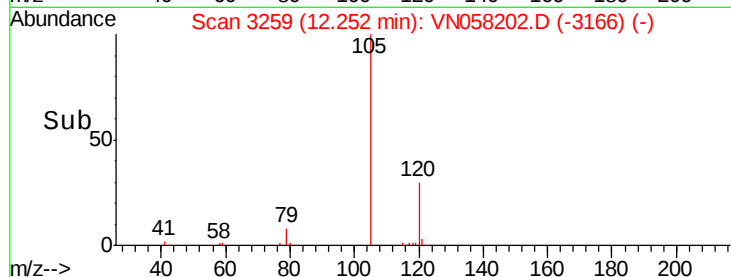
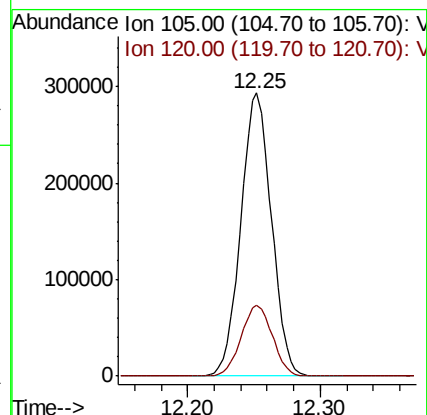
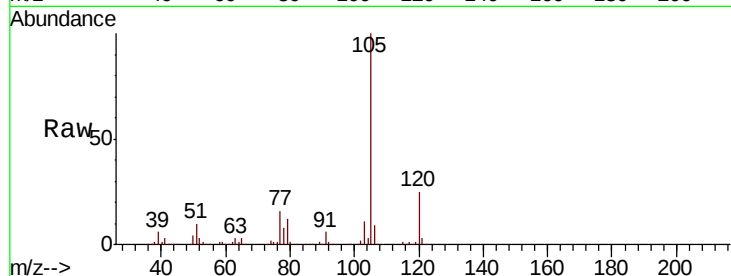
VN0919WBSD01

Tot Ion:105 Resp: 469008

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#74

N-ethyl acetate

Concen: 19.968 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Tgt Ion: 43 Resp: 187563

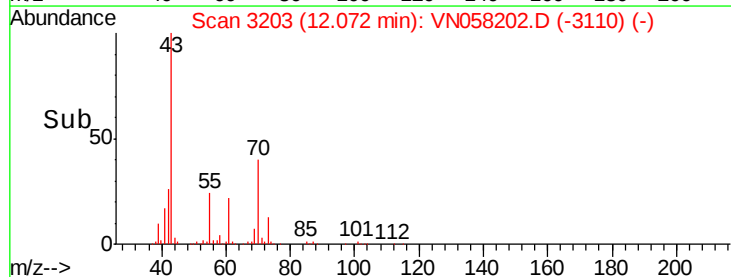
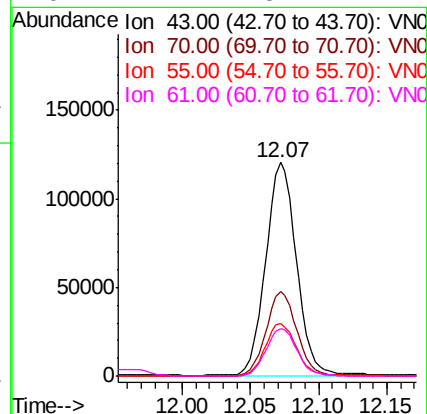
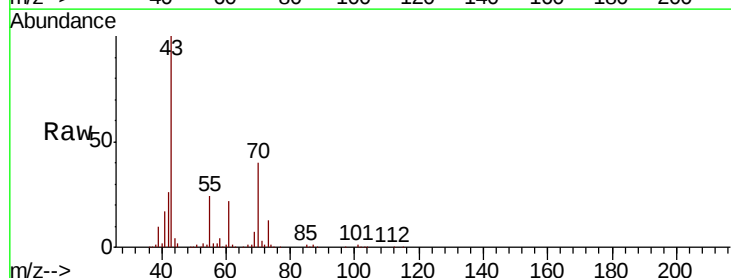
Ion Ratio Lower Upper

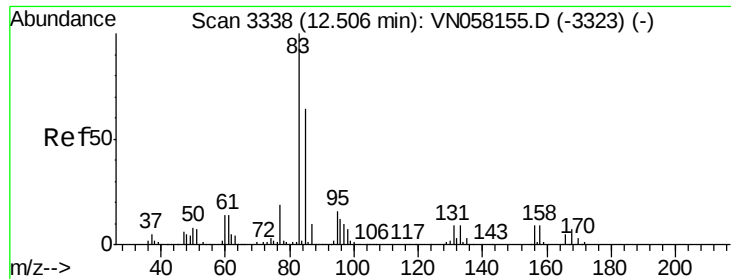
43 100

70 40.0 31.0 46.6

55 25.2 18.5 27.7

61 22.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.676 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

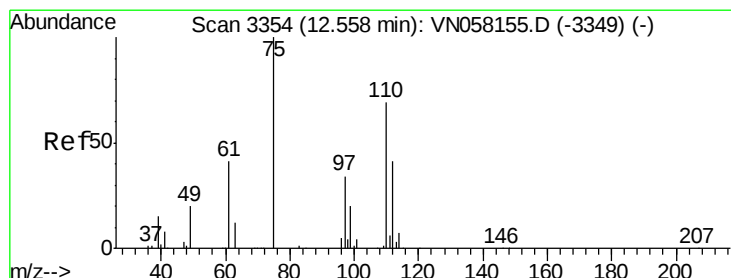
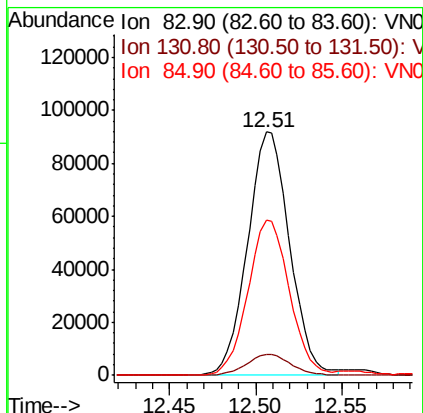
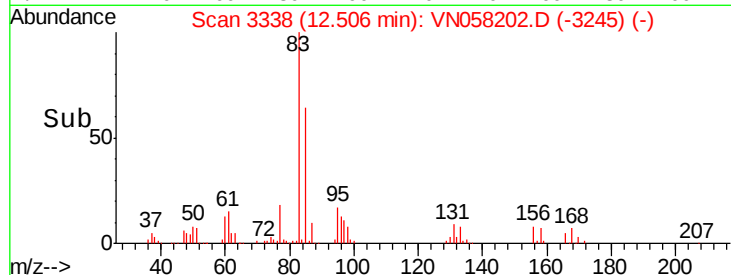
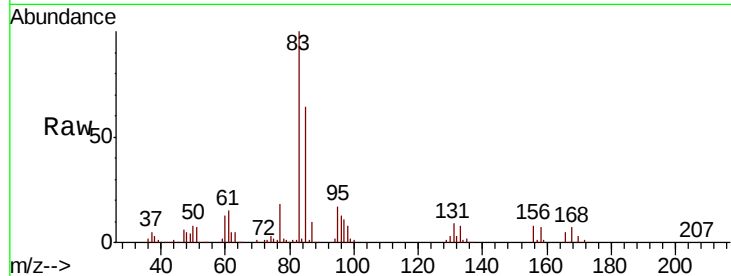
Tot Ion: 83 Resp: 155467

Ion Ratio Lower Upper

83 100

131 9.2 4.8 14.3

85 62.9 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 28.177 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058202.D

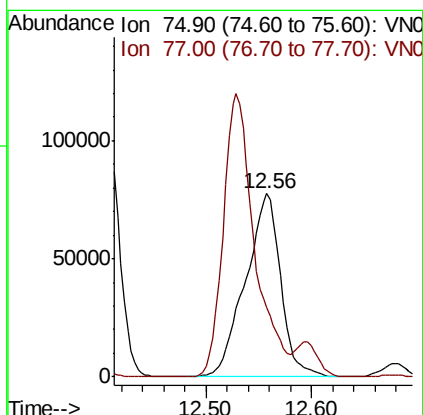
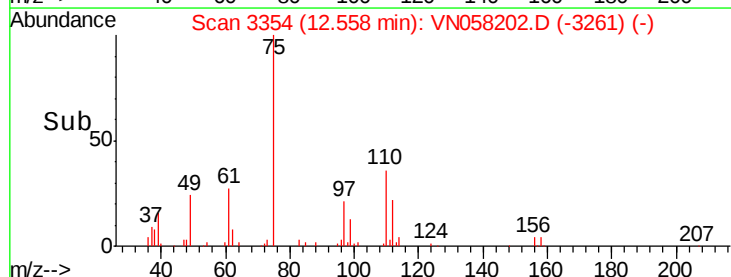
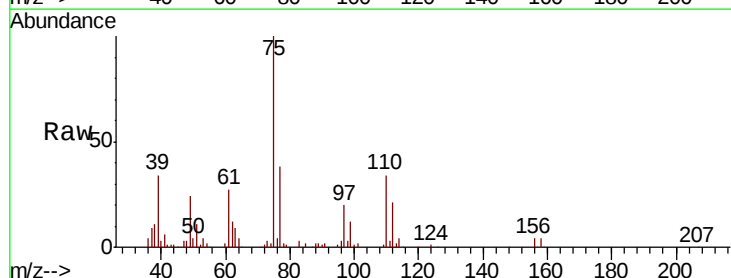
Acq: 19 Sep 2019 13:51

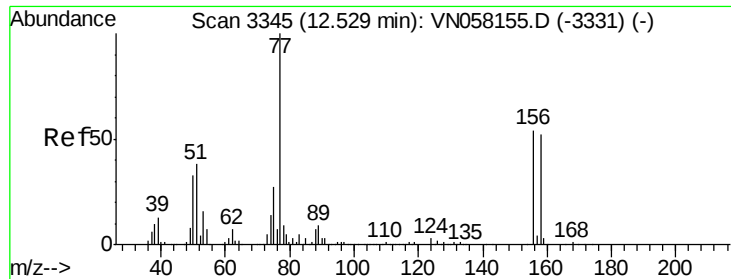
Tgt Ion: 75 Resp: 180900

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.436 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

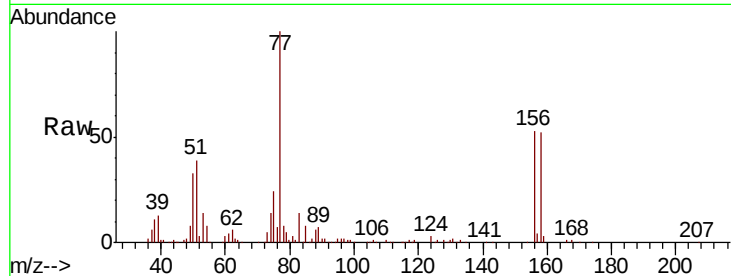
Tot Ion:156 Resp: 109774

Ion Ratio Lower Upper

156 100

77 224.7 111.7 335.1

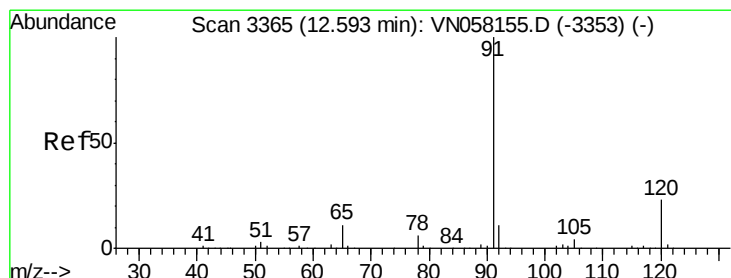
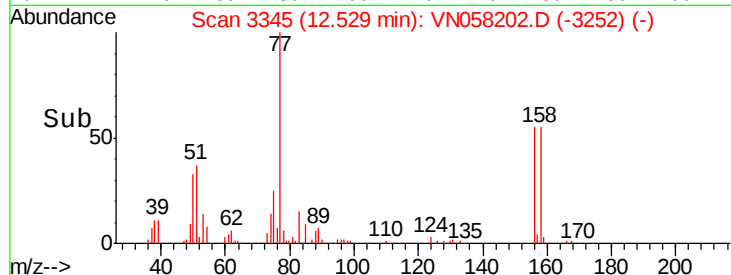
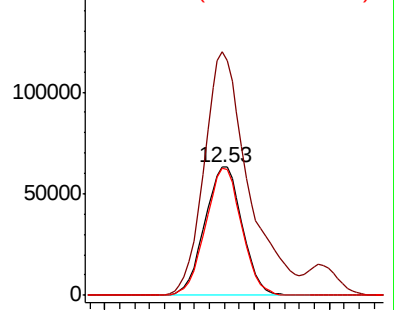
158 95.9 47.9 143.8



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: 21.081 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058202.D

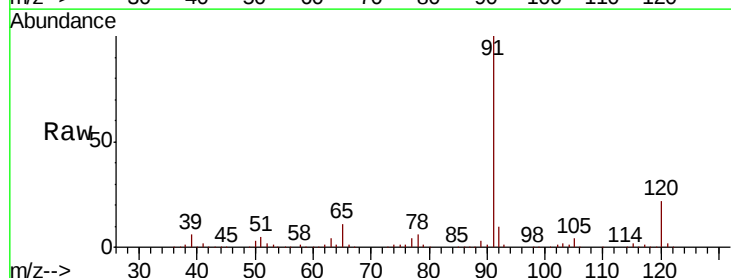
Acq: 19 Sep 2019 13:51

Tgt Ion: 91 Resp: 537892

Ion Ratio Lower Upper

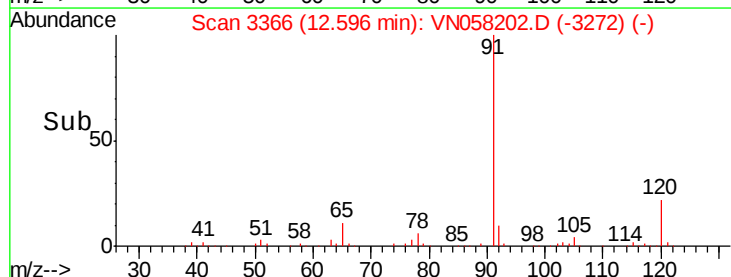
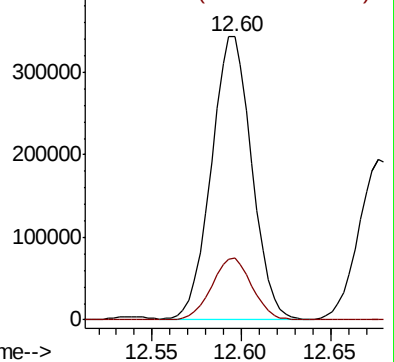
91 100

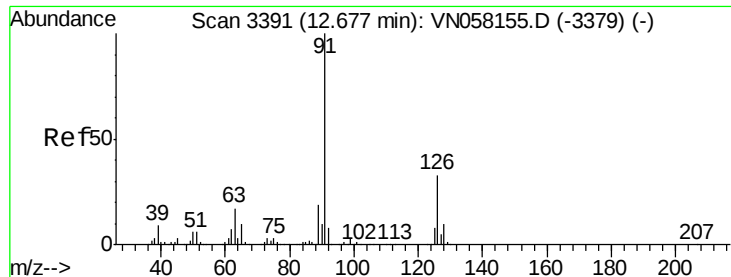
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.216 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

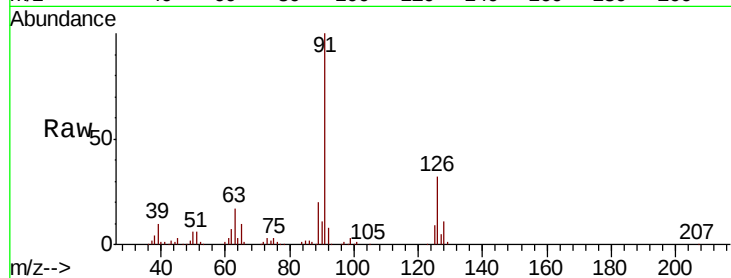
VN0919WBSD01

Tot Ion: 91 Resp: 322364

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

300000

200000

100000

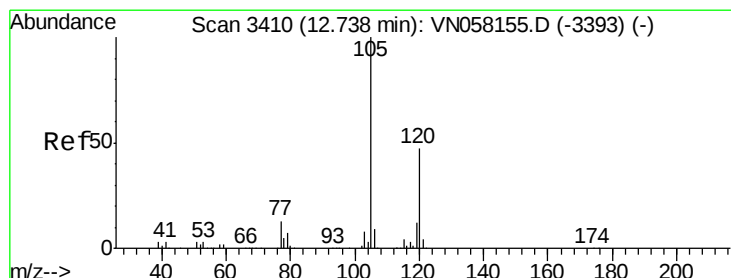
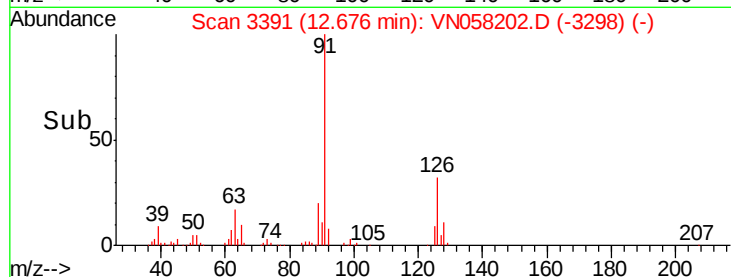
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.919 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058202.D

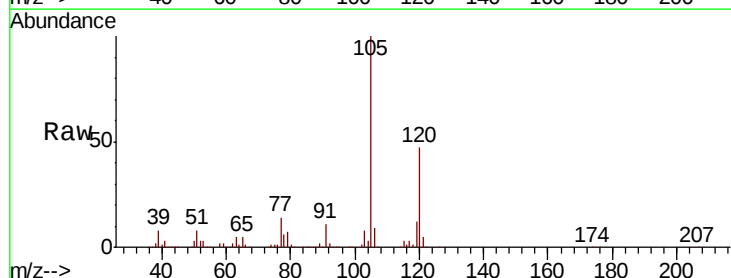
Acq: 19 Sep 2019 13:51

Tgt Ion: 105 Resp: 397194

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

300000

250000

200000

150000

100000

50000

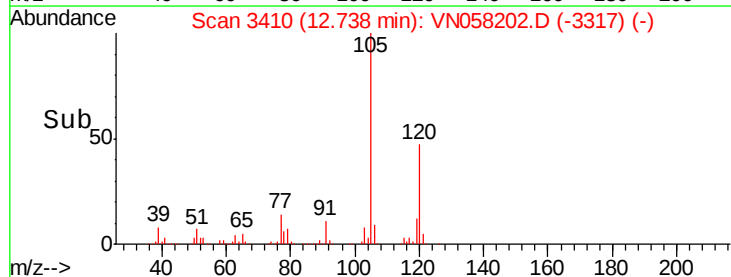
0

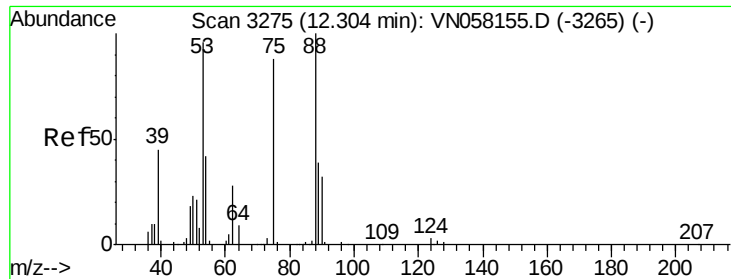
12.74

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.700 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

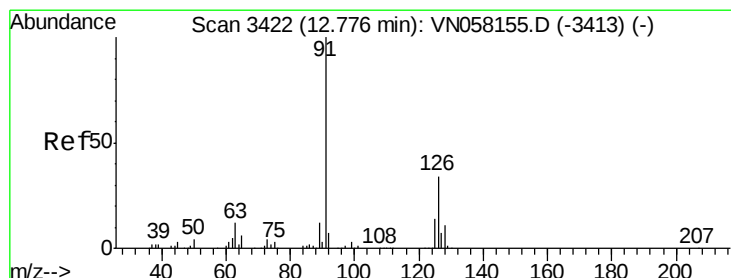
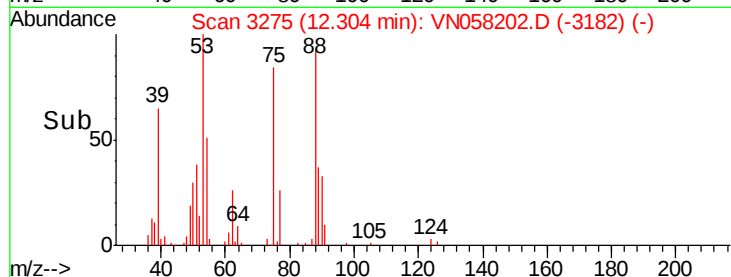
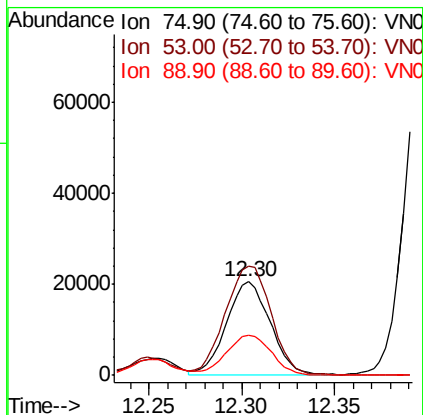
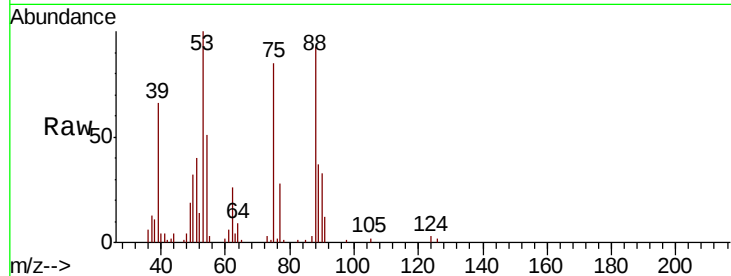
Tot Ion: 75 Resp: 33951

Ion Ratio Lower Upper

75 100

53 122.2 90.1 135.1

89 44.0 36.2 54.2



#82

4-Chlorotoluene

Concen: 19.816 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058202.D

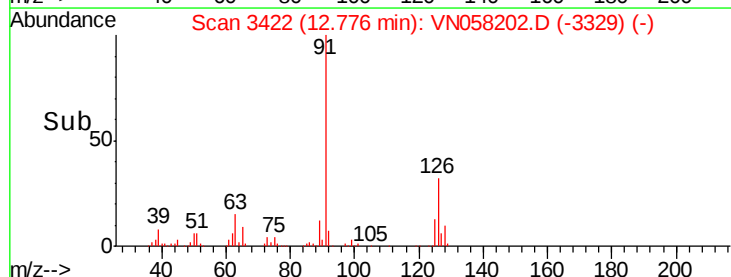
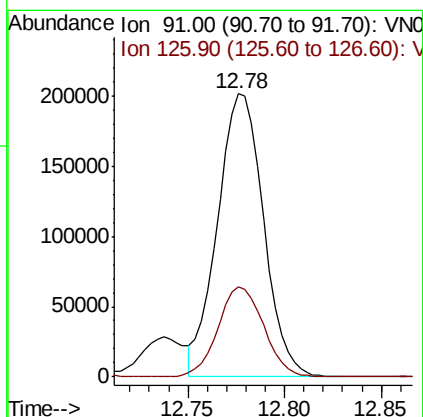
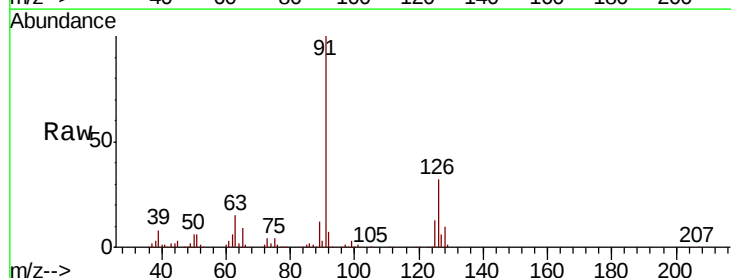
Acq: 19 Sep 2019 13:51

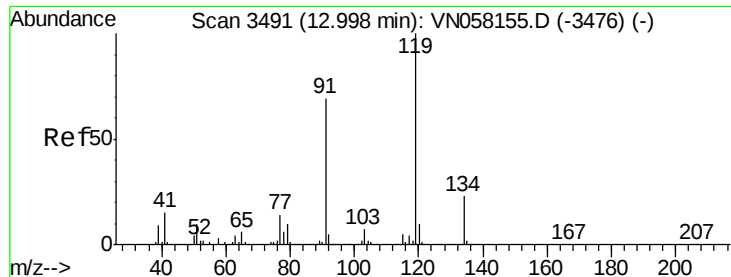
Tgt Ion: 91 Resp: 332164

Ion Ratio Lower Upper

91 100

126 31.8 15.7 47.1

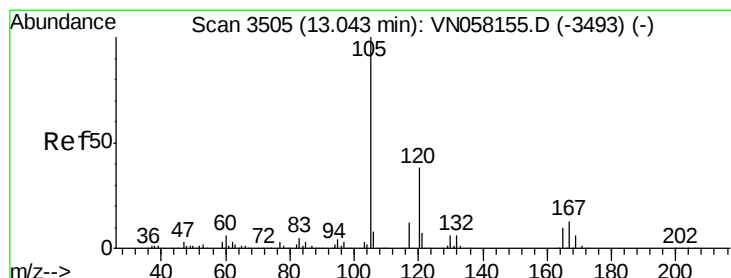
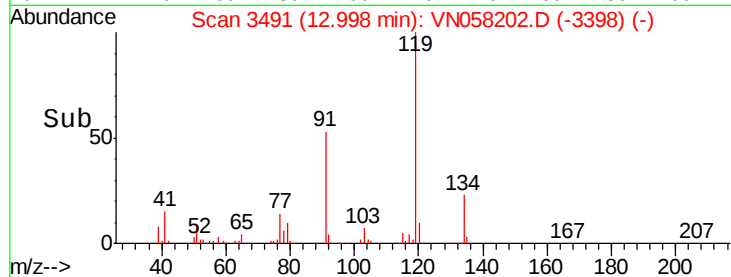
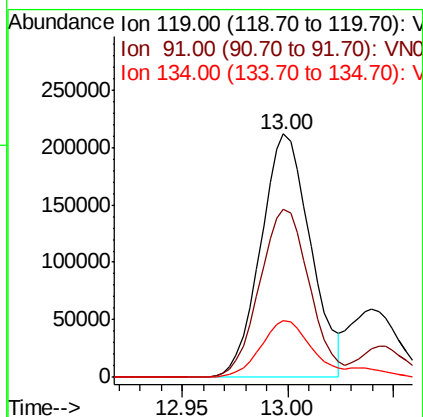
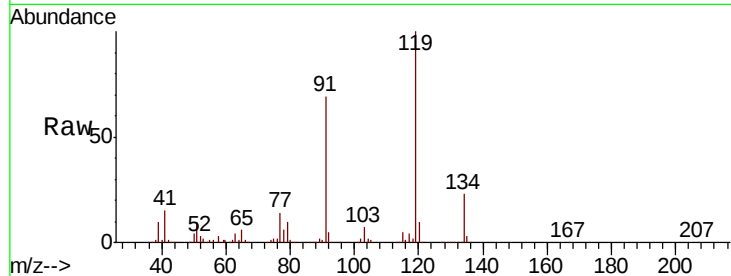




#83
tert-Butylbenzene
Concen: 20.519 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

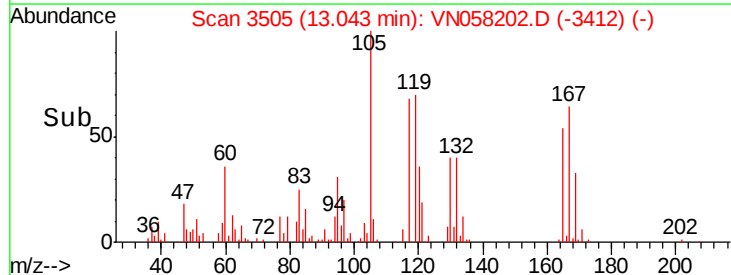
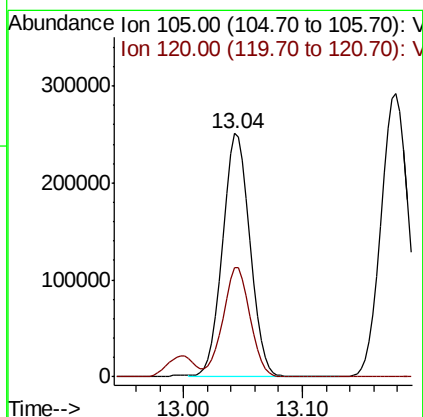
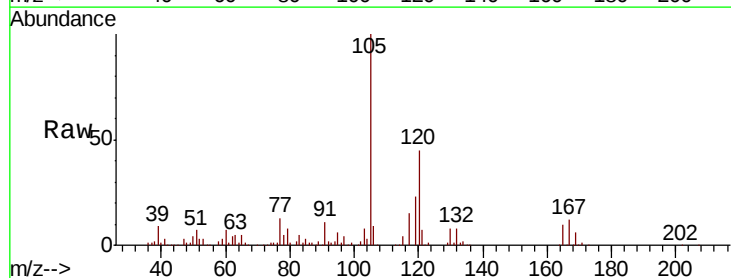
Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD01

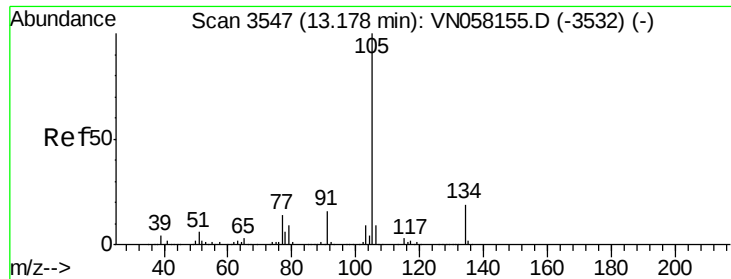
Tot Ion:119 Resp: 347434
Ion Ratio Lower Upper
119 100
91 69.2 33.8 101.3
134 23.6 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 21.155 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion:105 Resp: 399744
Ion Ratio Lower Upper
105 100
120 44.2 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.194 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

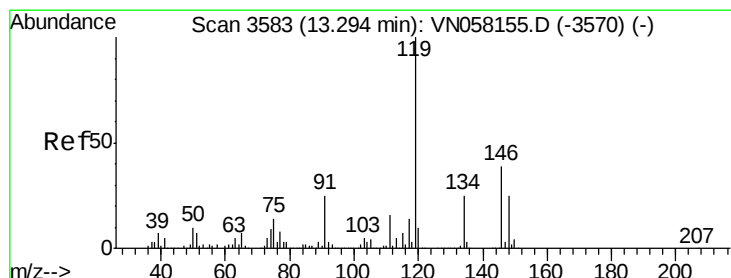
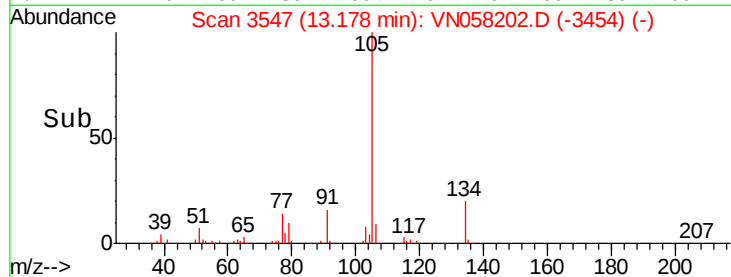
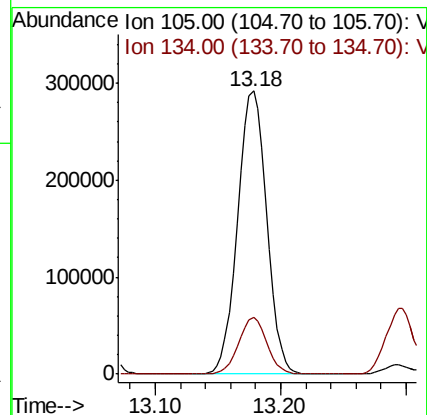
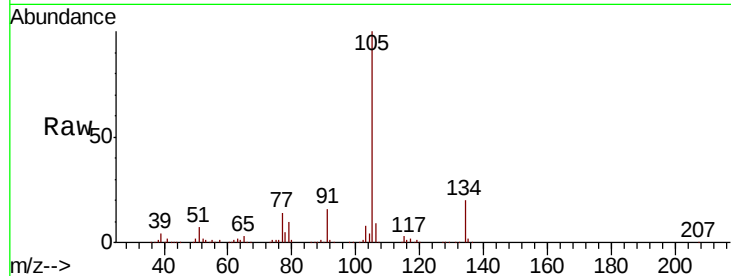
VN0919WBSD01

Tot Ion:105 Resp: 469291

Ion Ratio Lower Upper

105 100

134 19.5 9.5 28.5



#86

p-Isopropyltoluene

Concen: 20.927 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

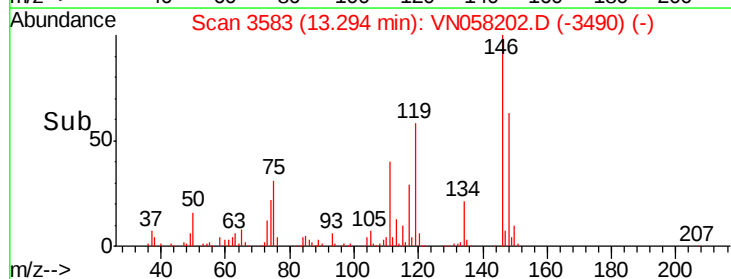
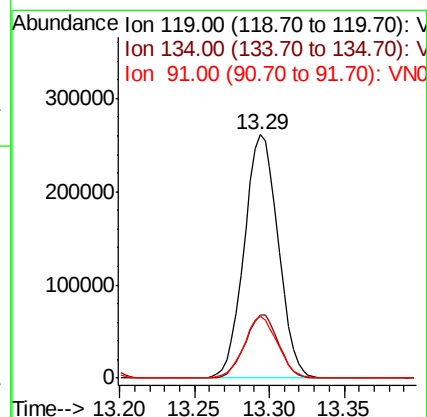
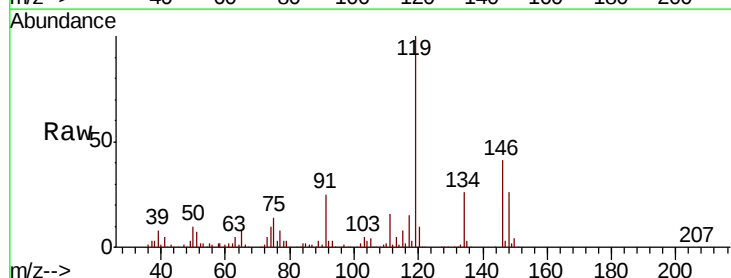
Tgt Ion:119 Resp: 411949

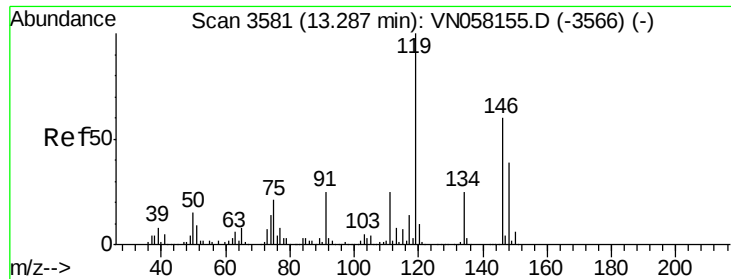
Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

91 25.1 12.3 36.8

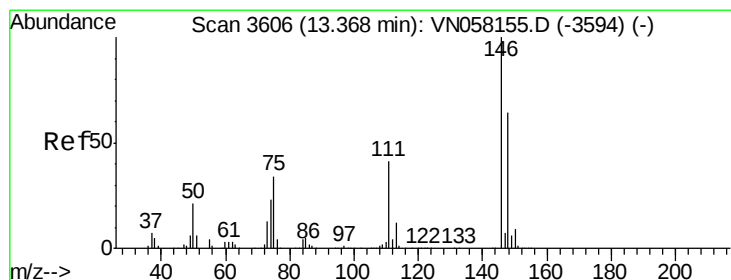
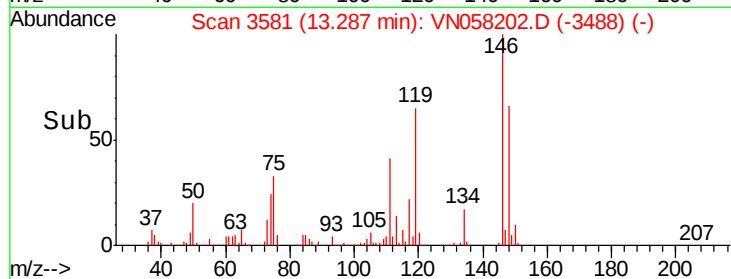
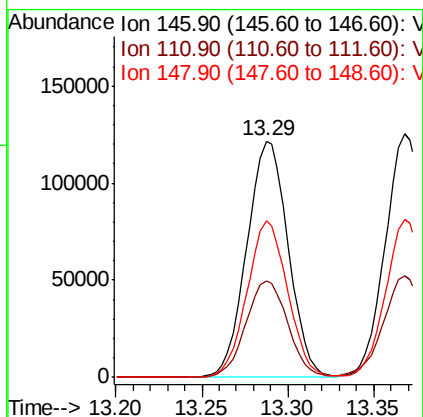
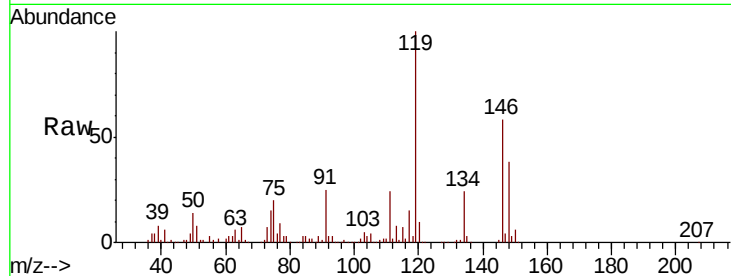




#87
 1,3-Dichlorobenzene
 Concen: 19.632 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

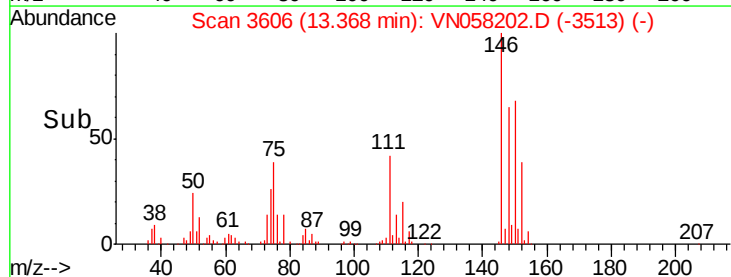
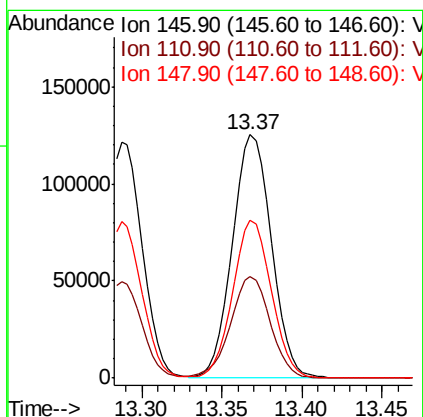
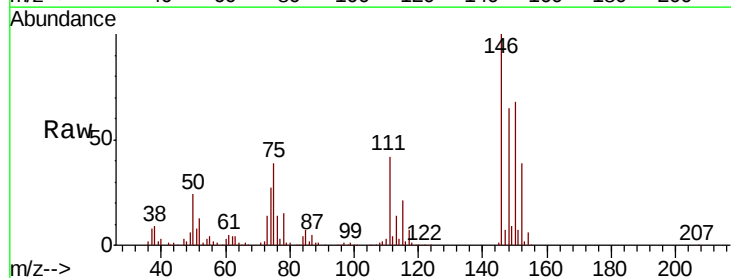
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

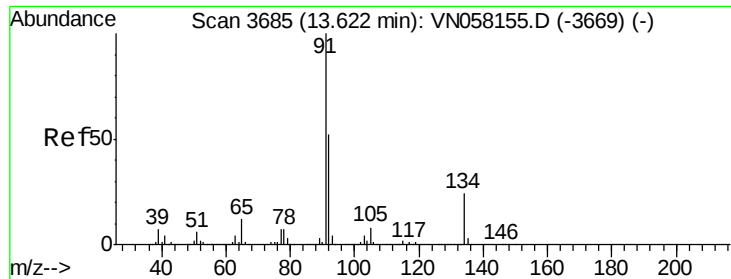
Tot Ion:146 Resp: 202532
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.9 62.8
 148 65.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.661 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion:146 Resp: 207066
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.5 61.5
 148 64.1 31.9 95.5





#89

n-Butylbenzene

Concen: 19.628 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

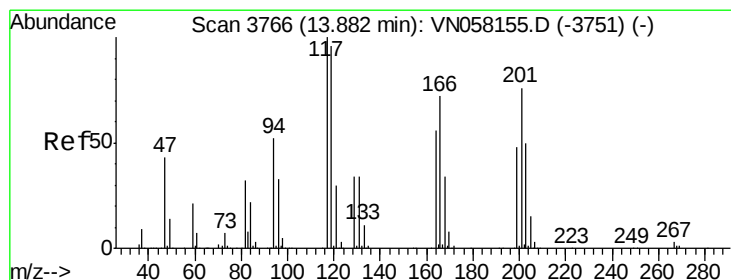
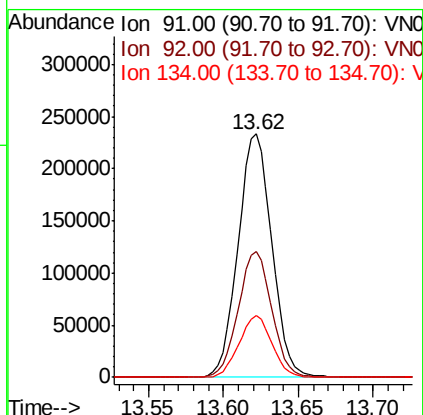
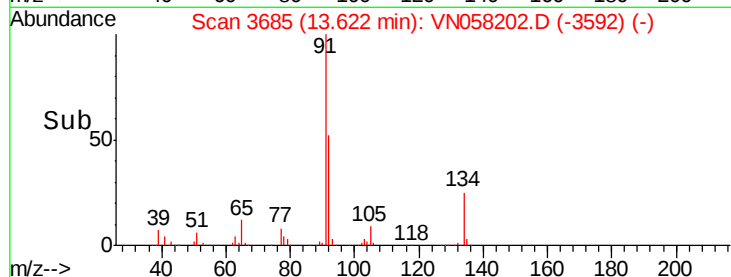
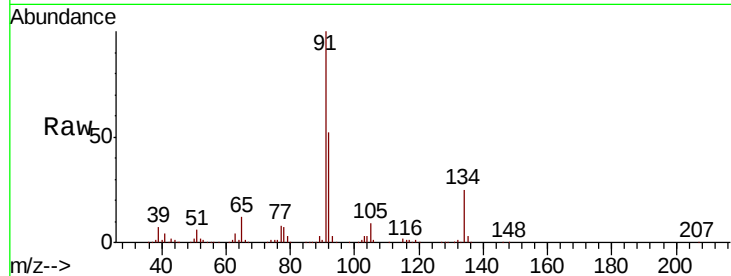
Tot Ion: 91 Resp: 366310

Ion Ratio Lower Upper

91 100

92 51.2 25.7 77.0

134 24.7 11.8 35.4



#90

Hexachloroethane

Concen: 19.353 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058202.D

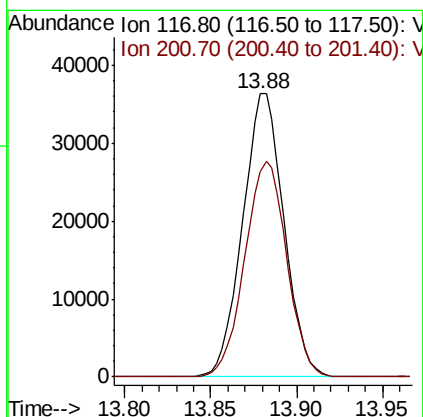
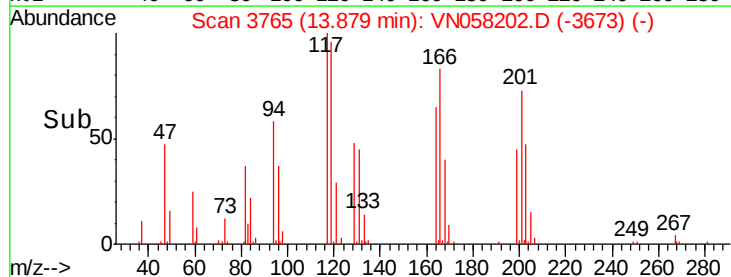
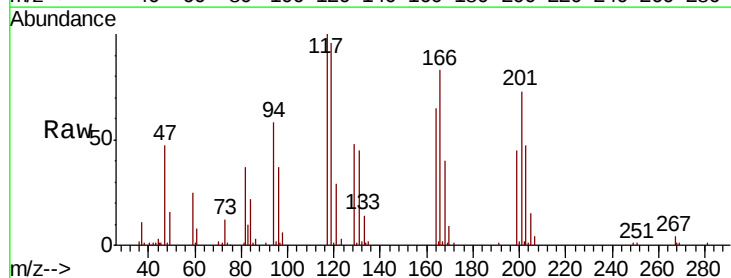
Acq: 19 Sep 2019 13:51

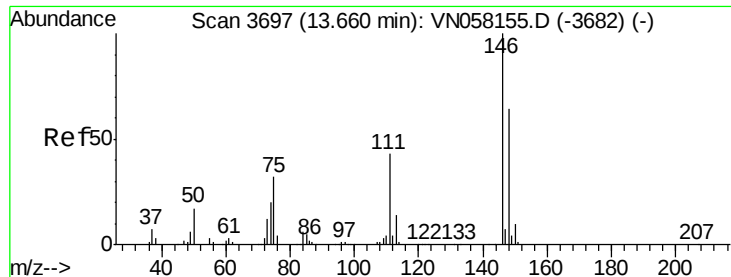
Tgt Ion: 117 Resp: 60474

Ion Ratio Lower Upper

117 100

201 77.1 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 20.610 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

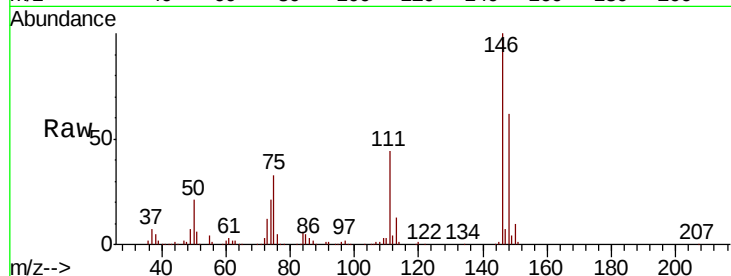
Tot Ion:146 Resp: 213275

Ion Ratio Lower Upper

146 100

111 43.1 21.1 63.1

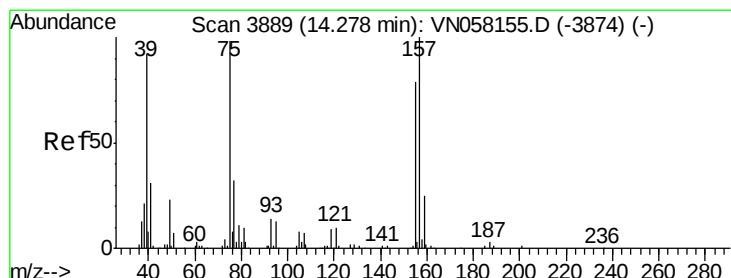
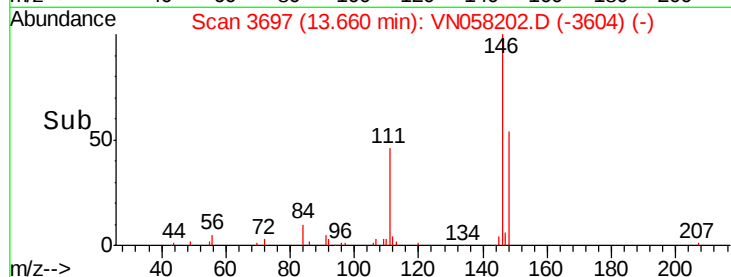
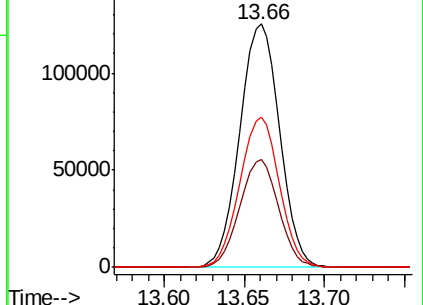
148 61.3 31.8 95.4



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: 19.000 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

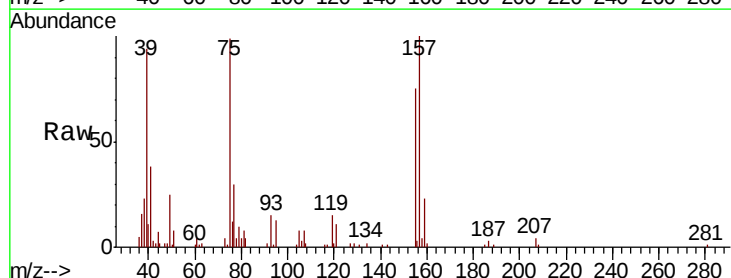
Tgt Ion: 75 Resp: 25720

Ion Ratio Lower Upper

75 100

155 72.7 38.3 114.8

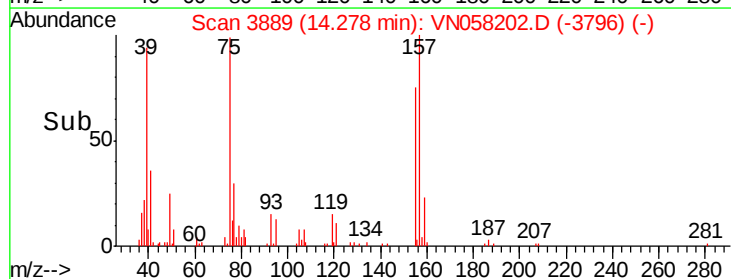
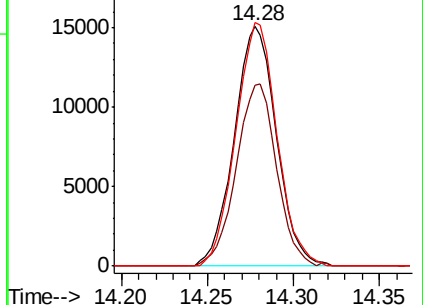
157 99.1 48.0 144.0

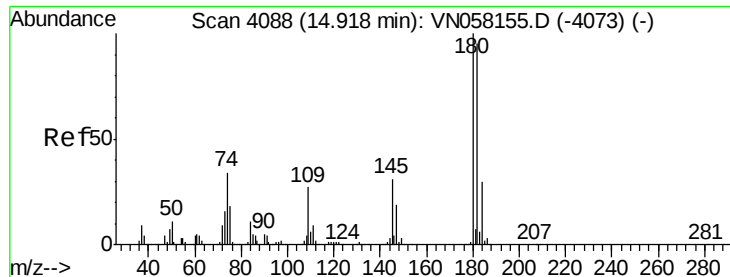


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

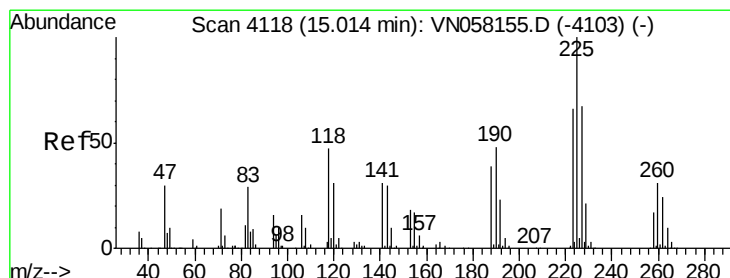
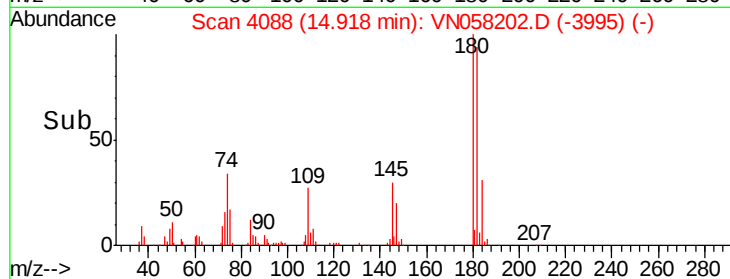
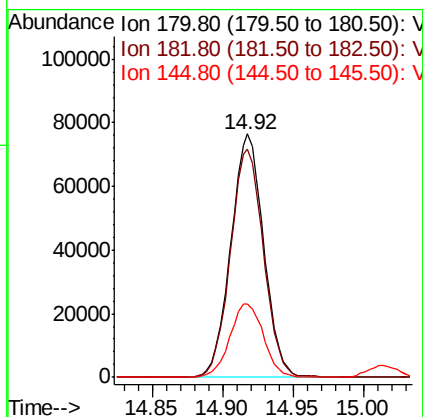
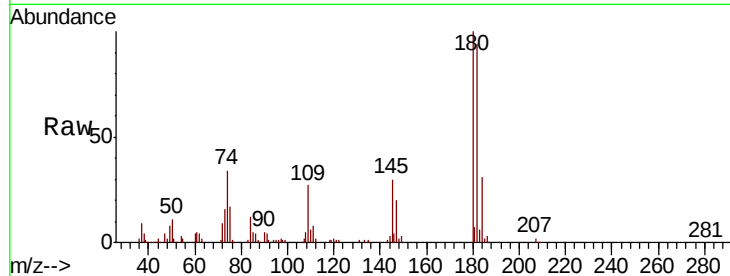




#93
 1,2,4-Trichlorobenzene
 Concen: 18.819 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

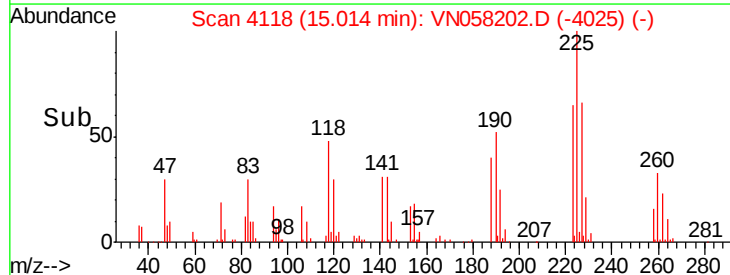
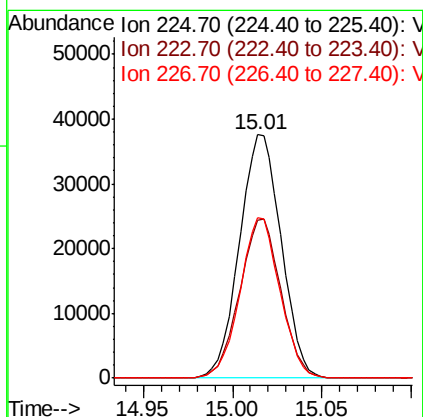
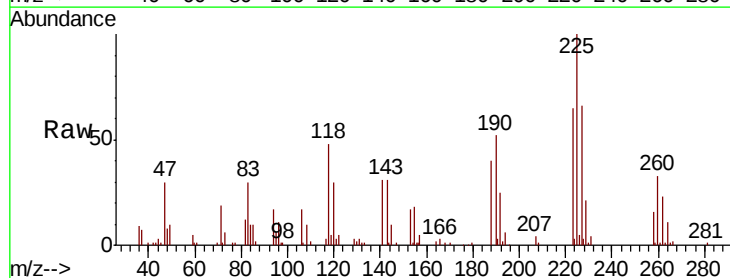
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

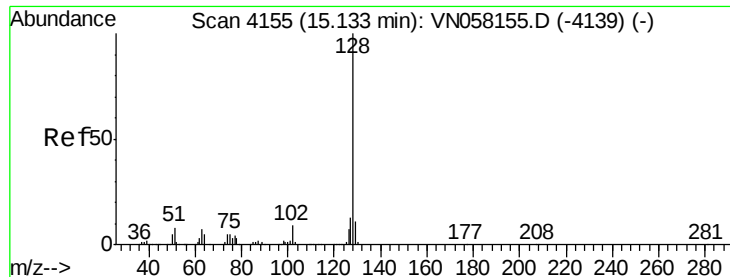
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.3
145	31.0	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 19.247 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	32.6	97.7
227	62.9	33.0	99.0

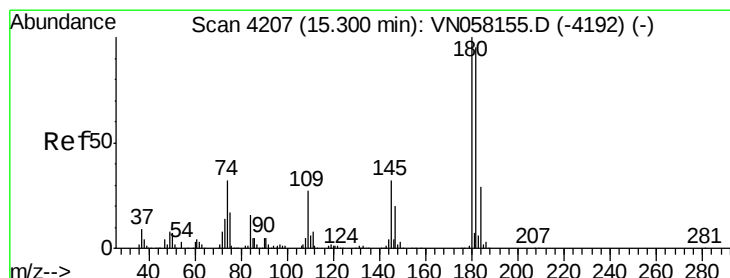
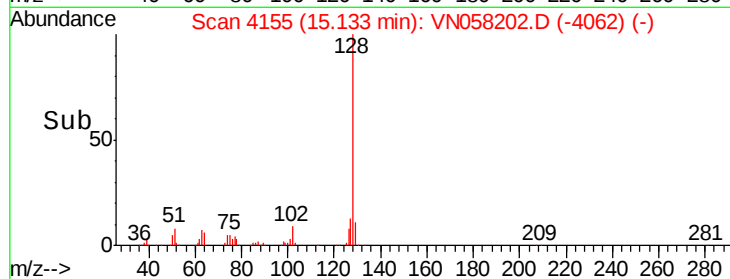
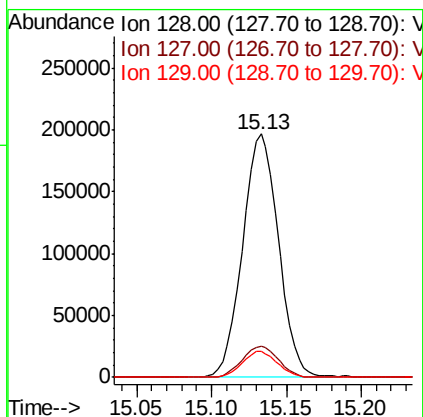
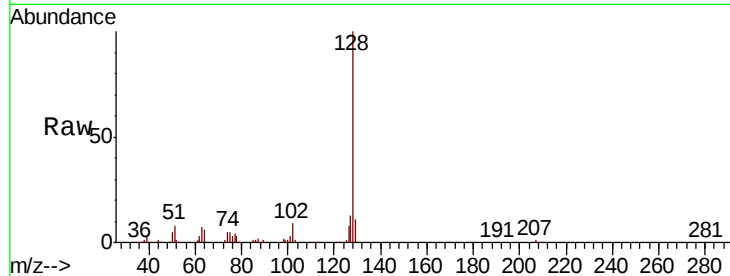




#95
Naphthalene
Concen: 19.185 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion:128 Resp: 328738
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.892 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion:180 Resp: 118059
Ion Ratio Lower Upper
180 100
182 95.9 47.4 142.2
145 32.9 16.1 48.2

