

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

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:43:25 AM

Quant Time: Oct 19 00:12:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	445787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	713057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	677694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	351051	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	939907	149.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.50%	
35) Dibromofluoromethane	7.57	113	689838	154.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.54%	
50) Toluene-d8	10.08	98	2703236	152.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.62%	
62) 4-Bromofluorobenzene	12.40	95	1068818	159.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	809867	146.169	ug/l	100
3) Chloromethane	2.04	50	976956	146.650	ug/l	100
4) Vinyl Chloride	2.17	62	1032591	155.783	ug/l	100
5) Bromomethane	2.51	94	629530m	154.290	ug/l	
6) Chloroethane	2.67	64	617824m	150.291	ug/l	
7) Trichlorofluoromethane	2.99	101	1212192	150.752	ug/l	99
8) Diethyl Ether	3.39	74	443525	152.551	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	662982	146.594	ug/l	99
10) Methyl Iodide	3.92	142	952250	155.456	ug/l	100
11) Tert butyl alcohol	4.76	59	863524	839.710	ug/l	99
12) 1,1-Dichloroethene	3.71	96	664762	154.594	ug/l	98
13) Acrolein	3.58	56	643429	796.246	ug/l	98
14) Allyl chloride	4.29	41	1377423	158.003	ug/l	98
15) Acrylonitrile	4.96	53	2157724	833.256	ug/l	99
16) Acetone	3.79	43	2328032	855.368	ug/l	100
17) Carbon Disulfide	4.03	76	2128005	153.845	ug/l	100
18) Methyl Acetate	4.30	43	1053955	158.608	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	2423583	157.953	ug/l	99
20) Methylene Chloride	4.52	84	777271	143.284	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	739097	153.778	ug/l	96
22) Diisopropyl ether	5.92	45	2773572	163.301	ug/l	94
23) Vinyl Acetate	5.87	43	9909676	722.852	ug/l #	87
24) 1,1-Dichloroethane	5.82	63	1471928	152.854	ug/l	99
25) 2-Butanone	6.81	43	3198611	832.750	ug/l	98
26) 2,2-Dichloropropane	6.80	77	1265580	144.129	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	842018	149.888	ug/l	100
28) Bromochloromethane	7.17	49	480734	143.751	ug/l	99
29) Tetrahydrofuran	7.19	42	2036220	828.302	ug/l	100
30) Chloroform	7.35	83	1439550	148.343	ug/l	99
31) Cyclohexane	7.63	56	1404486	152.006	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	1262957	153.065	ug/l	99
36) 1,1-Dichloropropene	7.77	75	1138048	156.292	ug/l	100
37) Ethyl Acetate	6.90	43	1250335	167.931	ug/l	99
38) Carbon Tetrachloride	7.75	117	1110042	156.454	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1368099	162.791	ug/l	98
40) Benzene	8.02	78	3217258	153.510	ug/l	97
41) Methacrylonitrile	7.16	41	556427m	164.704	ug/l	
42) 1,2-Dichloroethane	8.11	62	1209659	150.430	ug/l	99
43) Isopropyl Acetate	8.15	43	2060551	163.726	ug/l	100
44) Trichloroethene	8.82	130	794550	153.507	ug/l	99
45) 1,2-Dichloropropane	9.10	63	885165	157.551	ug/l	100
46) Dibromomethane	9.20	93	555922	156.604	ug/l	99
47) Bromodichloromethane	9.39	83	1164549	160.759	ug/l	100
48) Methyl methacrylate	9.19	41	991747	173.343	ug/l	98
49) 1,4-Dioxane	9.19	88	316988	3560.938	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	5158737	724.964	ug/l #	84
52) Toluene	10.15	92	2029726	158.679	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	1384679	166.784	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1454800	164.794	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	783775	149.611	ug/l	99
56) Ethyl methacrylate	10.43	69	1379050	180.181	ug/l	99
57) 1,3-Dichloropropane	10.70	76	1407787	157.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	2832682	782.529	ug/l	99
59) 2-Hexanone	10.75	43	4247097	769.943	ug/l	87
60) Dibromochloromethane	10.90	129	897167	165.862	ug/l	99
61) 1,2-Dibromoethane	11.00	107	840028	159.962	ug/l	99
64) Tetrachloroethene	10.62	164	694005	145.479	ug/l	99
65) Chlorobenzene	11.43	112	2111804	152.552	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	796288	155.417	ug/l	99
67) Ethyl Benzene	11.51	91	3654459	148.133	ug/l #	87
68) m/p-Xylenes	11.62	106	2927144	316.281	ug/l	79
69) o-Xylene	11.95	106	1423537	159.160	ug/l	92
70) Styrene	11.96	104	2444476	166.837	ug/l	100
71) Bromoform	12.13	173	666040	176.166	ug/l #	99
73) Isopropylbenzene	12.25	105	3587471	140.074	ug/l	94
74) N-amyl acetate	12.07	43	1943671	167.577	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1278769	150.358	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1127175m	142.666	ug/l	
77) Bromobenzene	12.53	156	919008	147.252	ug/l	99
78) n-propylbenzene	12.59	91	4075675	136.384	ug/l	93
79) 2-Chlorotoluene	12.68	91	2664951	143.711	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	3172582	145.099	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.30	75	495837	168.448	ug/l	97
82) 4-Chlorotoluene	12.78	91	2794458	146.918	ug/l	98
83) tert-Butylbenzene	13.00	119	2773433	148.100	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3174823	146.064	ug/l	94
85) sec-Butylbenzene	13.17	105	3569280	144.495	ug/l	95
86) p-Isopropyltoluene	13.29	119	3286609	146.765	ug/l	95
87) 1,3-Dichlorobenzene	13.29	146	1721885	150.120	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	1722139	147.473	ug/l	99
89) n-Butylbenzene	13.62	91	3136120	151.418	ug/l	93
90) Hexachloroethane	13.88	117	662214	163.619	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1673982	149.431	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	298095	149.648	ug/l	96

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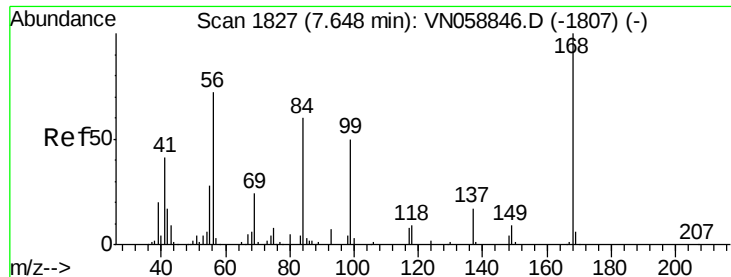
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	1111462	164.149	ug/l	99
94) Hexachlorobutadiene	15.01	225	532933	148.101	ug/l	99
95) Naphthalene	15.13	128	3139766	161.691	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	1078108	162.752	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

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Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 445787

Ion Ratio Lower Upper

168 100

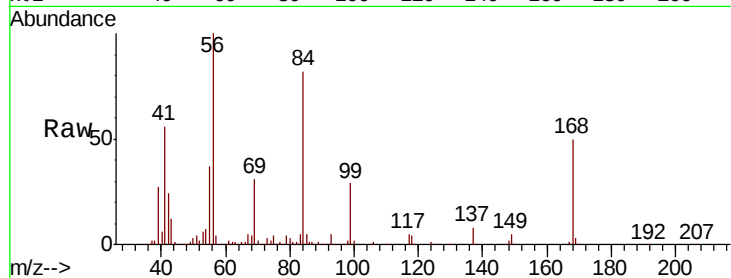
99 58.6 48.1 72.1

Manual Integrations

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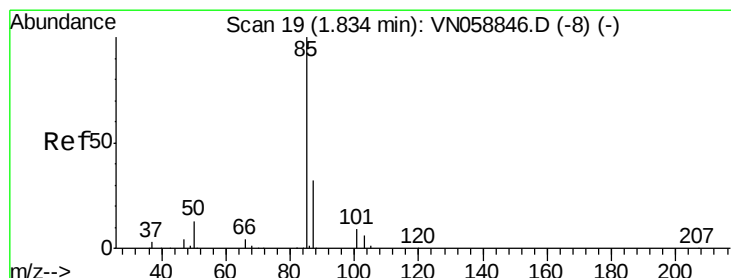
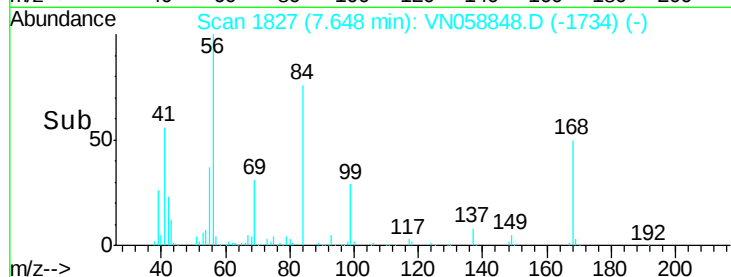
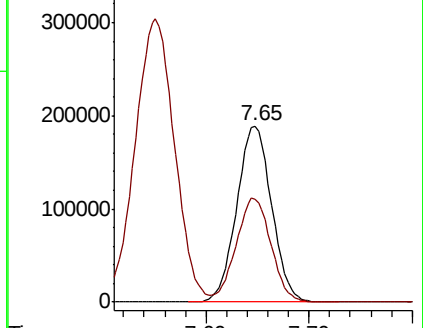
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 146.169 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058848.D

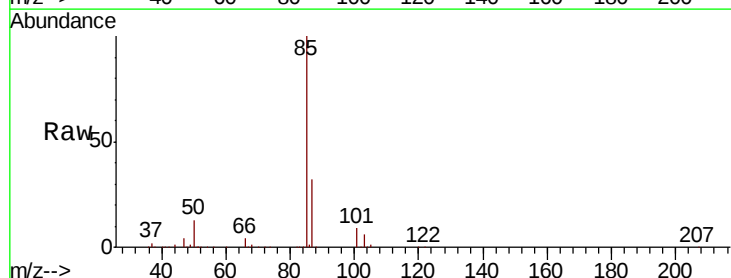
Acq: 18 Oct 2019 10:43

Tgt Ion: 85 Resp: 809867

Ion Ratio Lower Upper

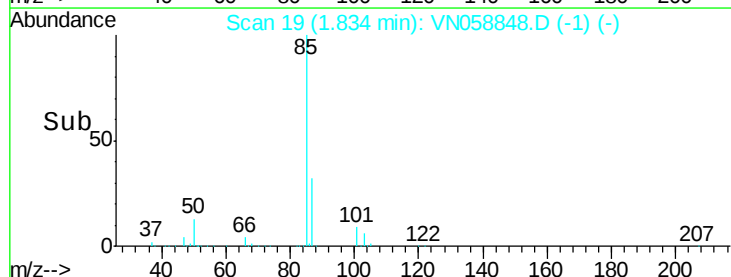
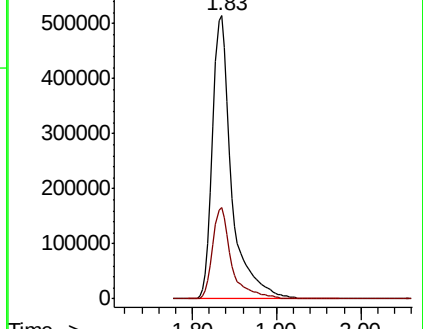
85 100

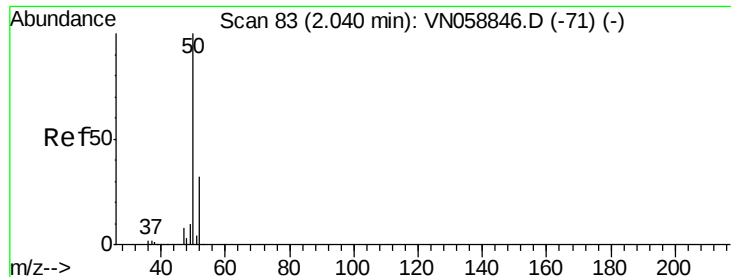
87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 146.650 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 976956

Ion Ratio Lower Upper

50 100

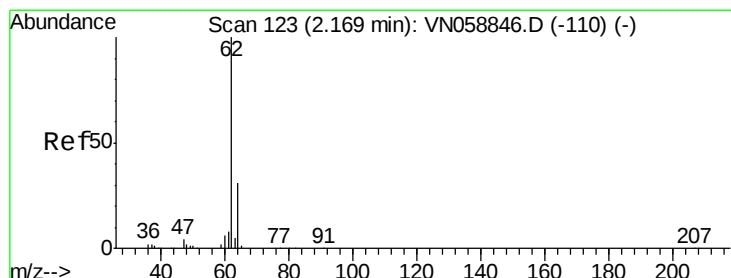
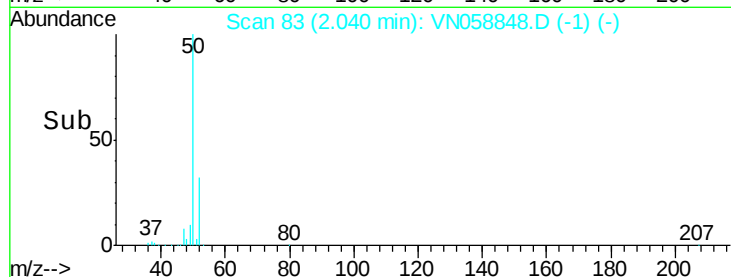
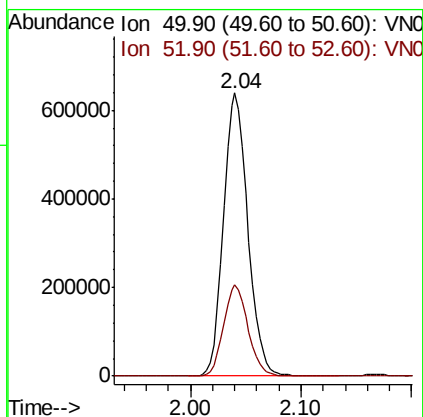
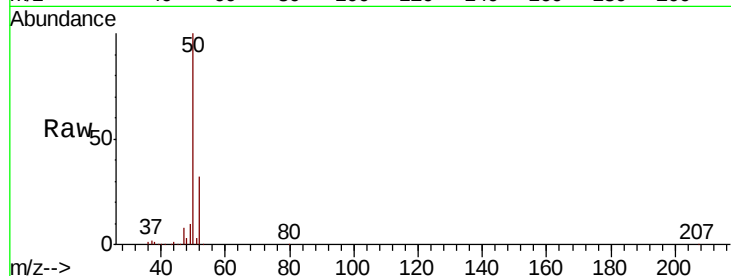
52 32.2 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 155.783 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058848.D

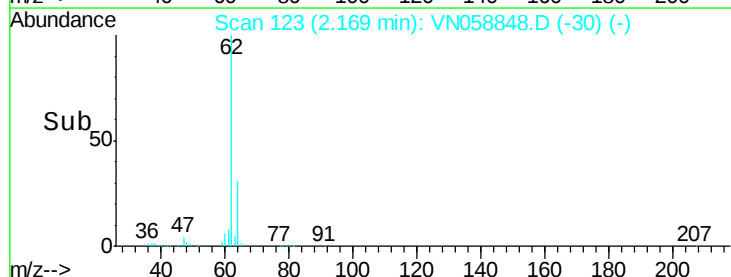
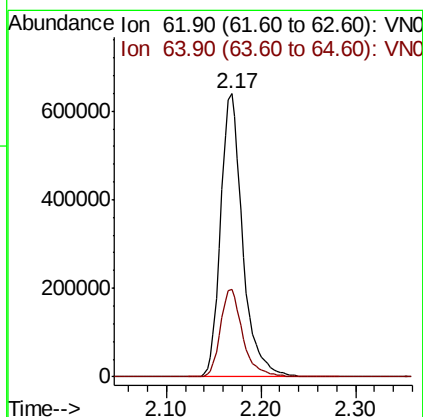
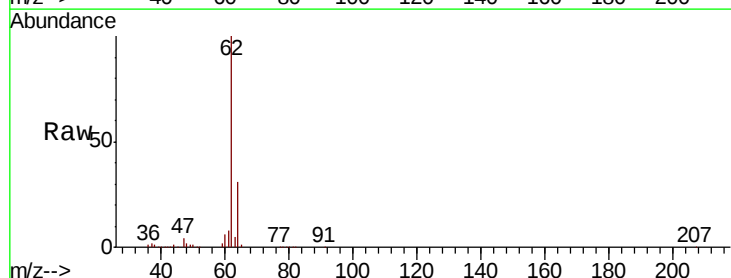
Acq: 18 Oct 2019 10:43

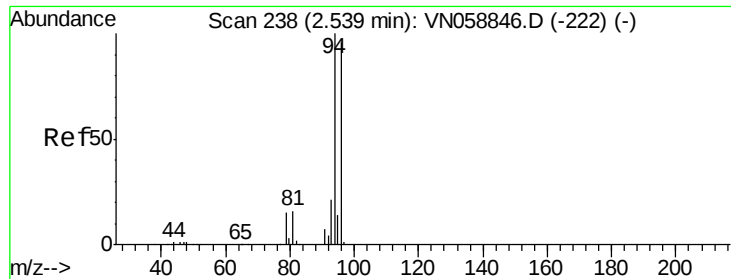
Tgt Ion: 62 Resp: 1032591

Ion Ratio Lower Upper

62 100

64 30.9 24.6 36.8





#5

Bromomethane

Concen: 154.290 ug/l m

RT: 2.51 min Scan# 230

Delta R.T. -0.03 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

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VSTDIC150

Tot Ion: 94 Resp: 629530

Ion Ratio Lower Upper

94 100

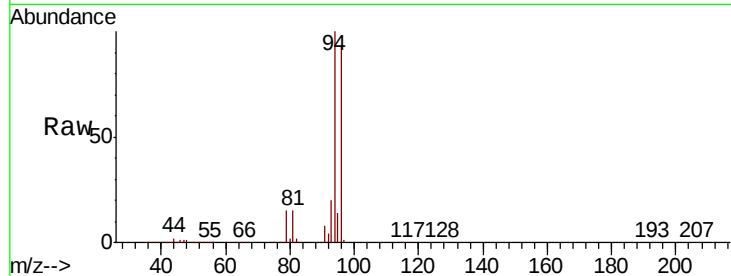
96 93.1 77.0 115.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN058846.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN058846.D (-222) (-)

2.51

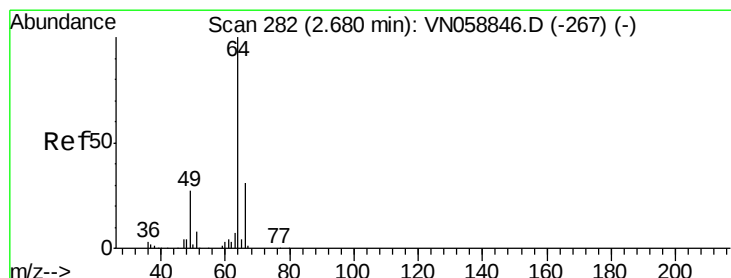
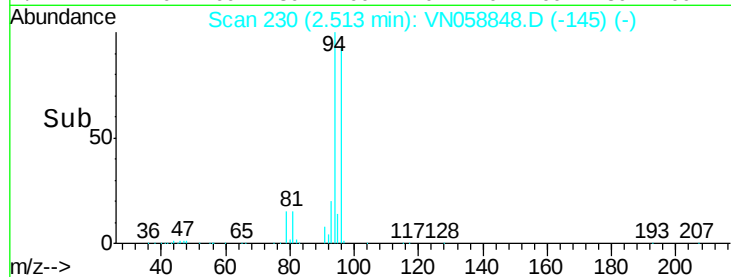
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 150.291 ug/l m

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN058848.D

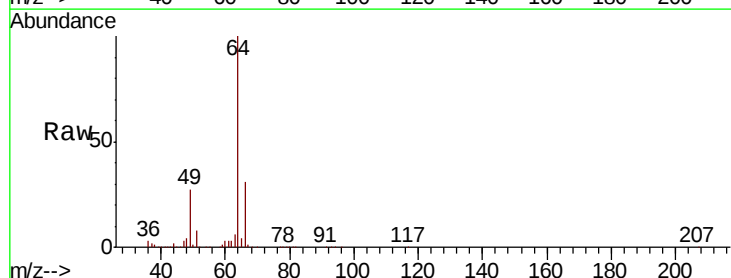
Acq: 18 Oct 2019 10:43

Tgt Ion: 64 Resp: 617824

Ion Ratio Lower Upper

64 100

66 31.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN058846.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN058846.D (-267) (-)

2.67

300000

250000

200000

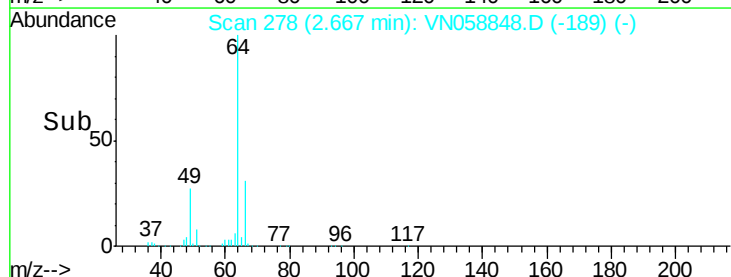
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100000

50000

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Time-->





#7

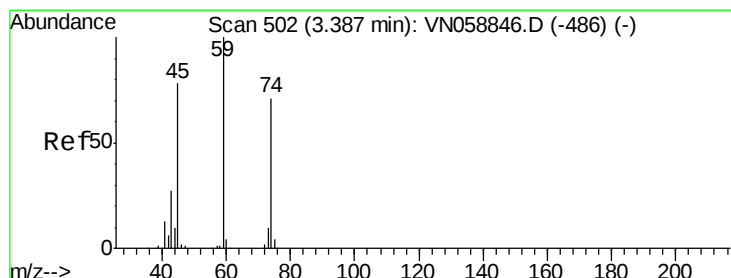
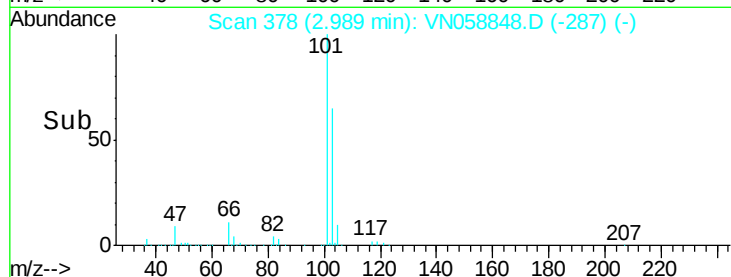
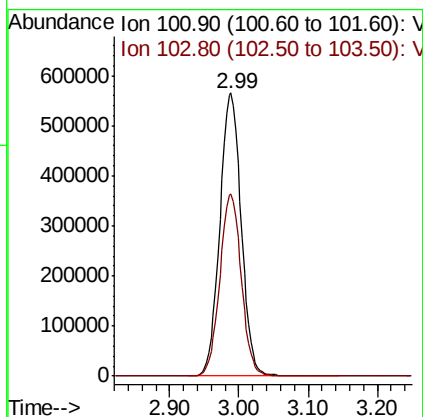
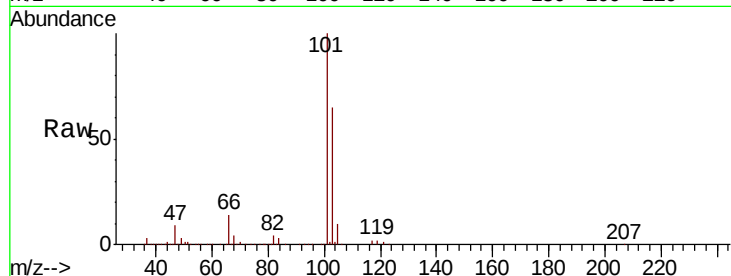
Trichlorofluoromethane
Concen: 150.752 ug/l
RT: 2.99 min Scan# 378
Delta R.T. -0.01 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

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VSTDIC150

Tot Ion:101 Resp: 1212192
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.2

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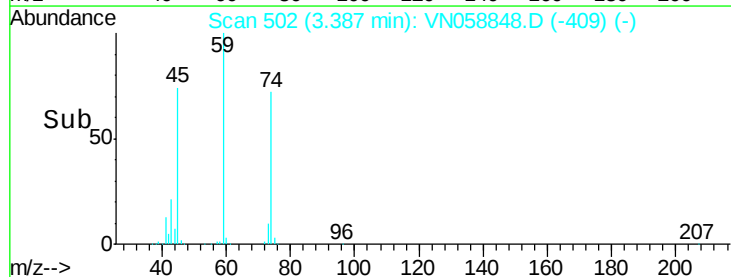
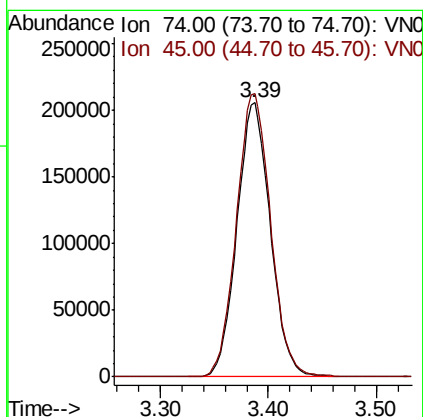
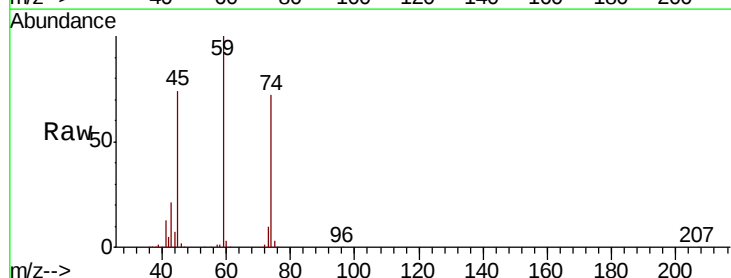
MMDadoda
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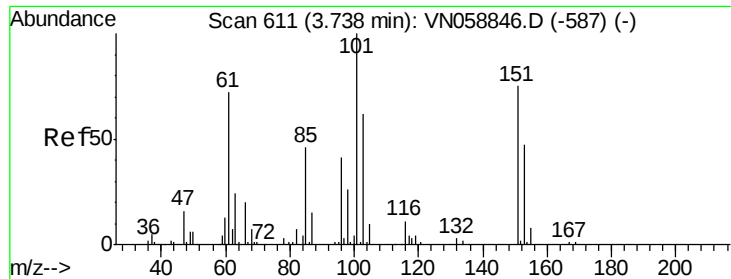


#8

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

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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 146.594 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

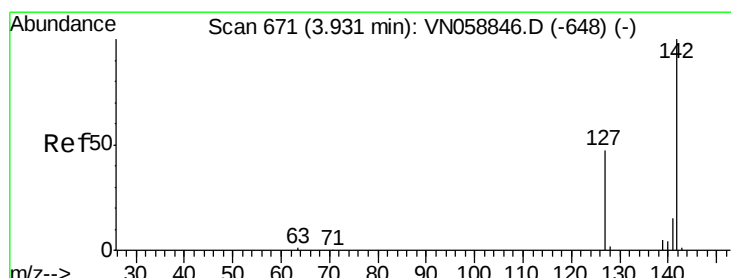
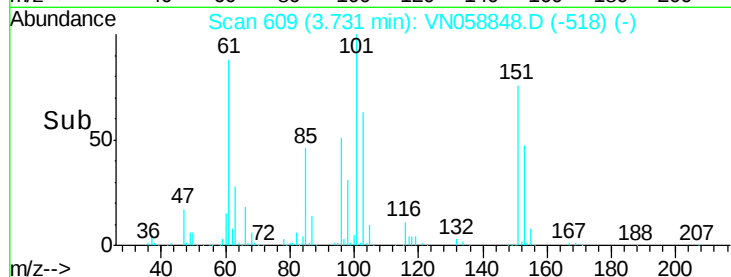
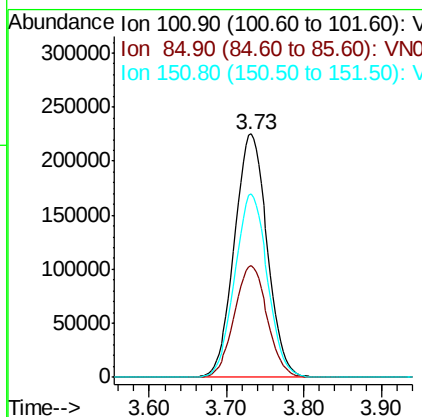
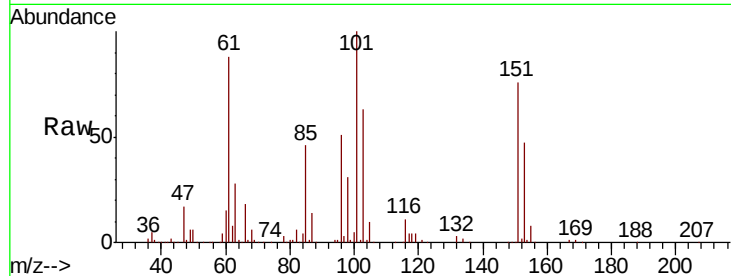
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	662982
Ion Ratio	Lower	Upper	
101	100		
85	46.0	37.2	55.8
151	75.2	59.9	89.9

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#10

Methyl Iodide

Concen: 155.456 ug/l

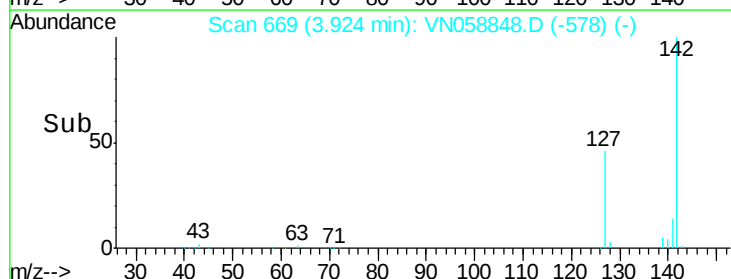
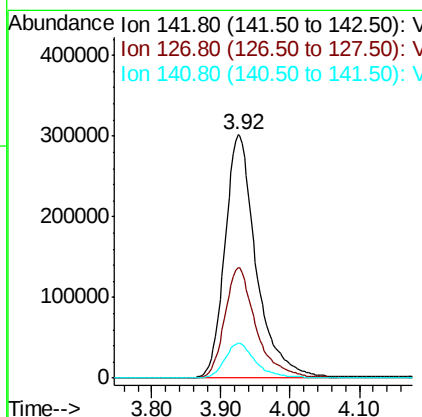
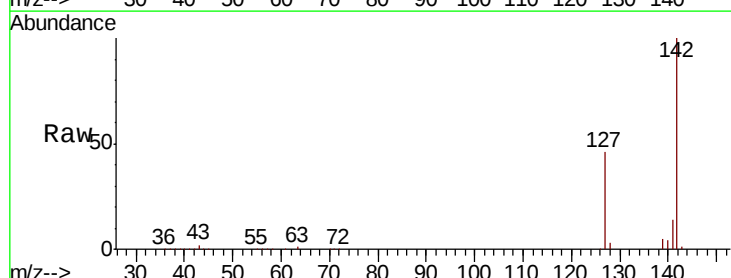
RT: 3.92 min Scan# 669

Delta R.T. -0.01 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Tgt Ion:	142	Resp:	952250
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.6	54.8
141	14.3	11.4	17.2





#11

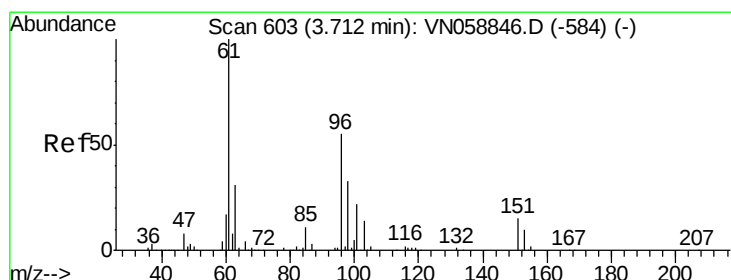
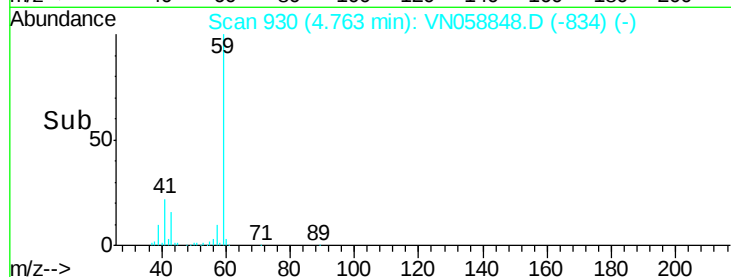
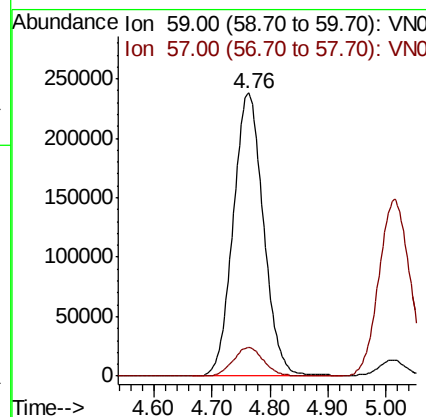
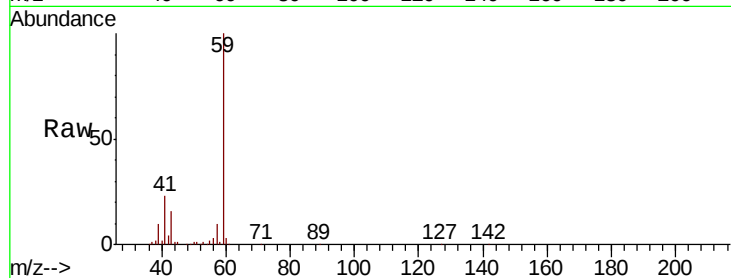
Tert butyl alcohol
Concen: 839.710 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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

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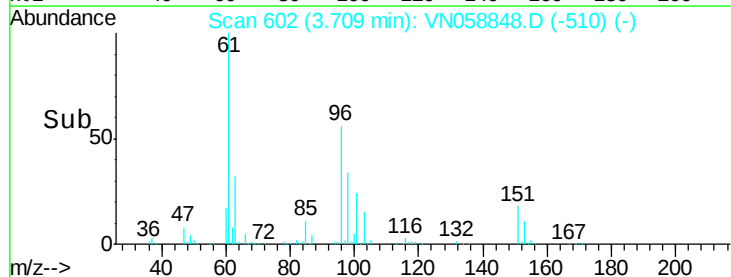
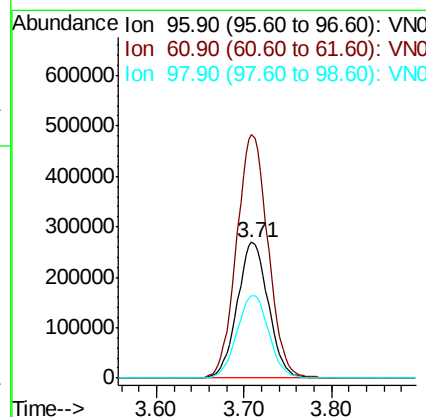
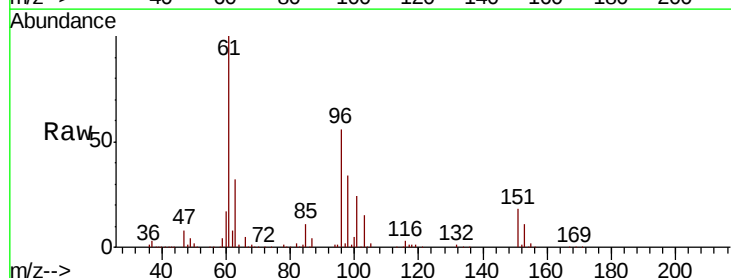
MMDadoda
10/21/2019 10:43:25 AM

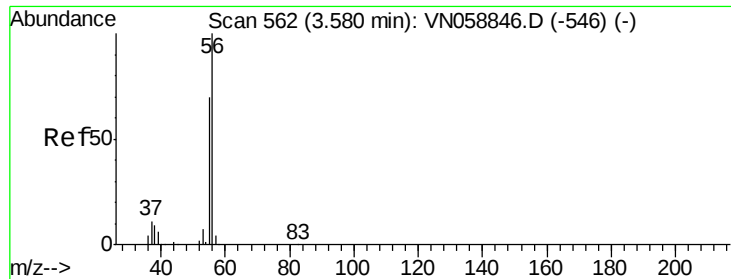


#12

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

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





#13

Acrolein

Concen: 796.246 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 643429

Ion Ratio Lower Upper

56 100

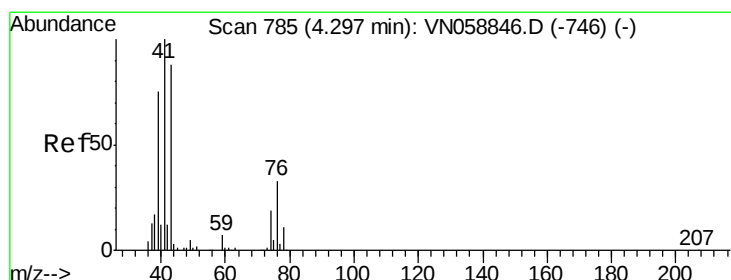
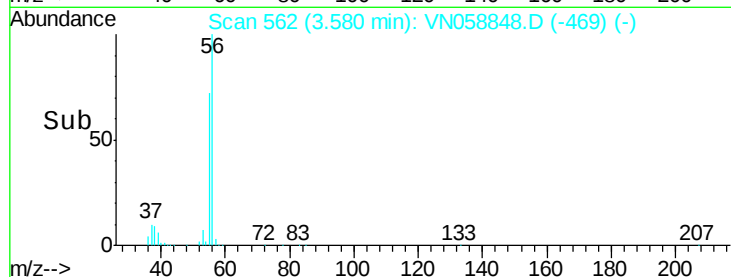
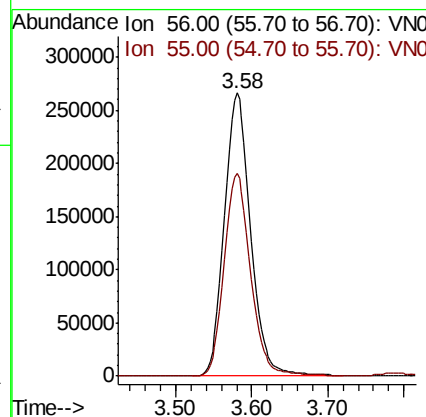
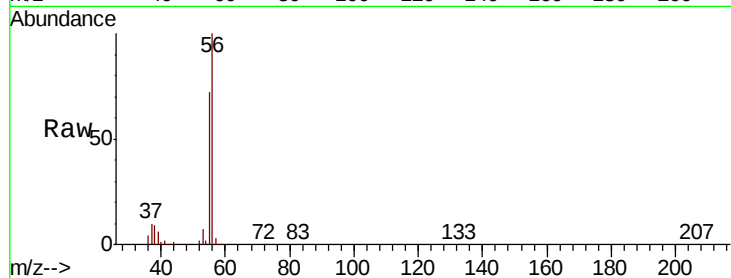
55 72.2 56.6 85.0

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#14

Allyl chloride

Concen: 158.003 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

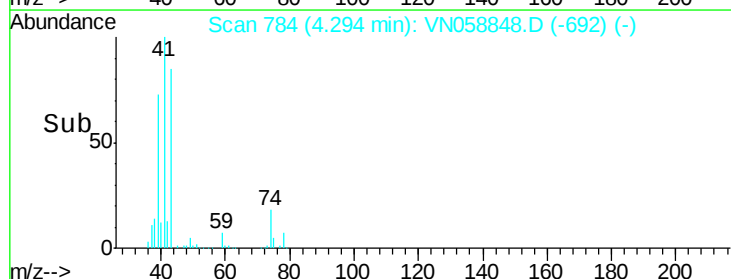
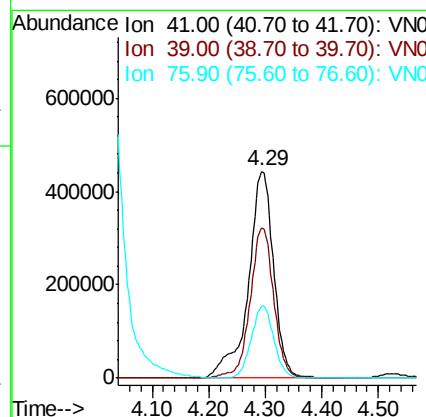
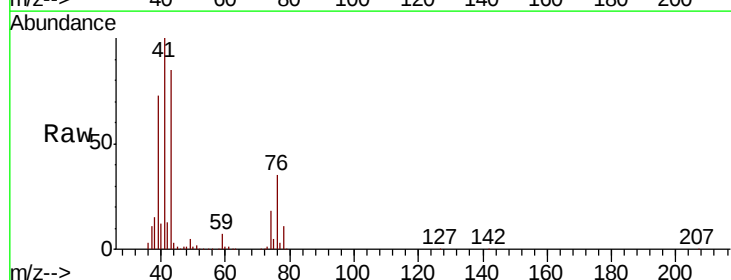
Tgt Ion: 41 Resp: 1377423

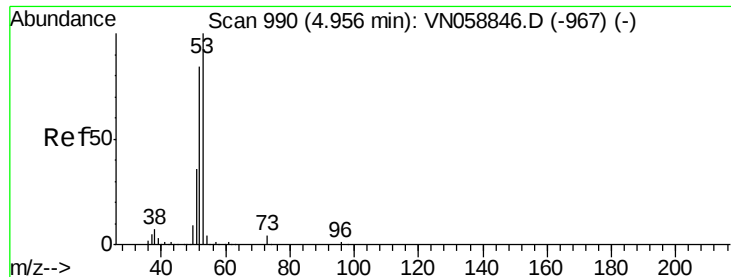
Ion Ratio Lower Upper

41 100

39 67.8 55.9 83.9

76 30.7 24.1 36.1





#15

Acrylonitrile

Concen: 833.256 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2157724

Ion Ratio Lower Upper

53 100

52 82.5 66.6 99.8

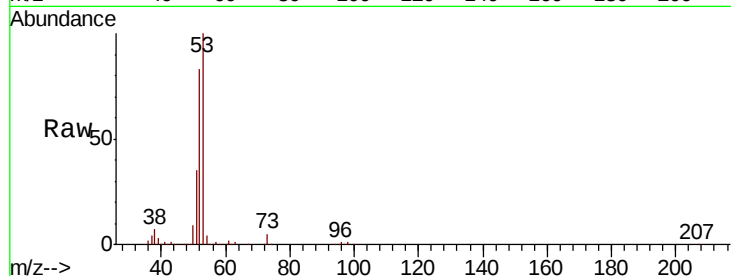
51 36.0 29.2 43.8

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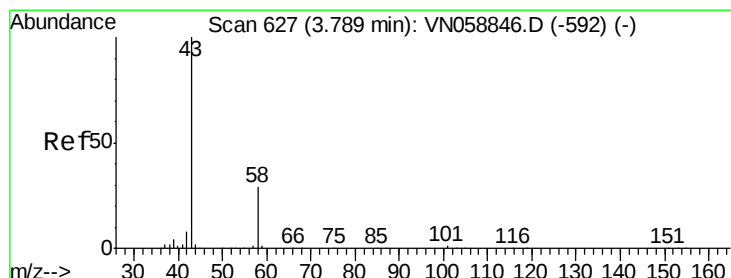
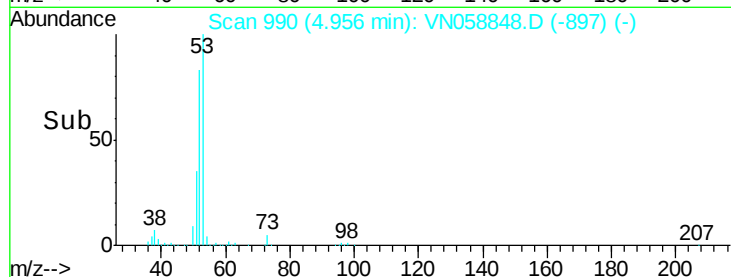
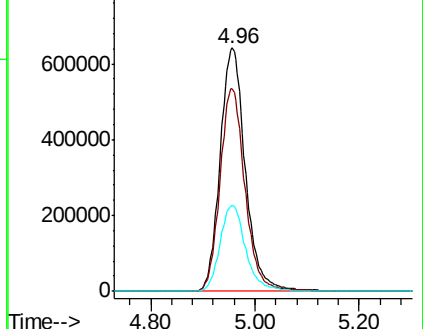
10/21/2019 10:43:25 AM



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 855.368 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN058848.D

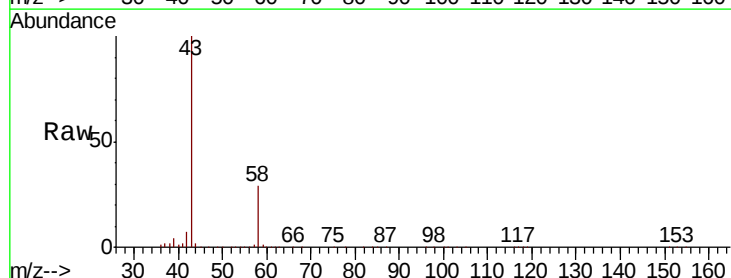
Acq: 18 Oct 2019 10:43

Tgt Ion: 43 Resp: 2328032

Ion Ratio Lower Upper

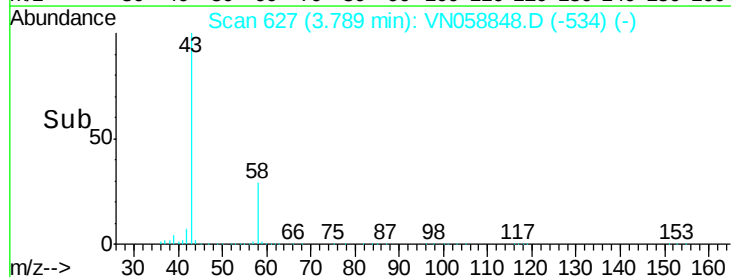
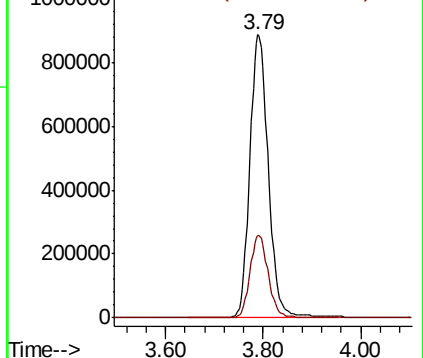
43 100

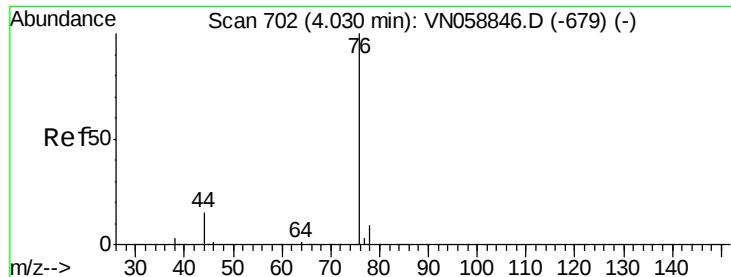
58 29.0 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 153.845 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 2128005

Ion Ratio Lower Upper

76 100

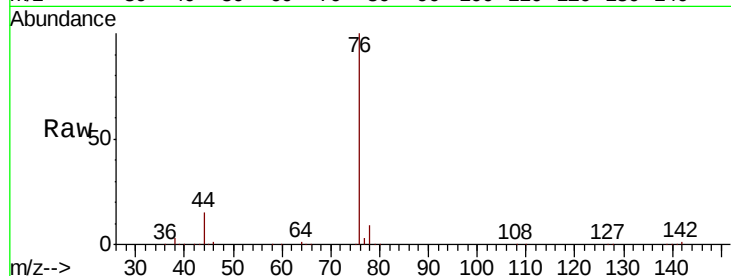
78 8.9 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VN058846.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN058848.D (-609) (-)

4.03

800000

600000

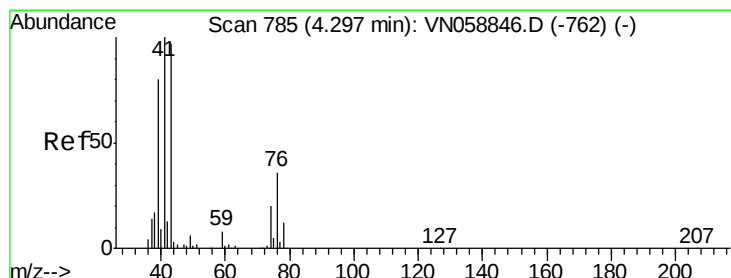
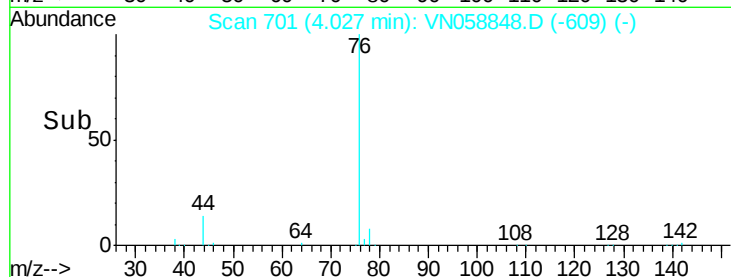
400000

200000

0

3.90 4.00 4.10 4.20 4.30

Time-->



#18

Methyl Acetate

Concen: 158.608 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058848.D

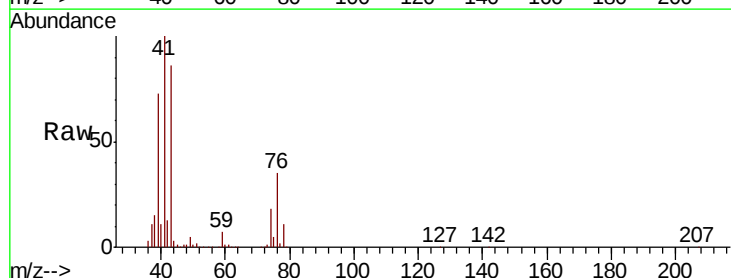
Acq: 18 Oct 2019 10:43

Tgt Ion: 43 Resp: 1053955

Ion Ratio Lower Upper

43 100

74 21.9 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN058848.D (-692) (-)

4.30

400000

300000

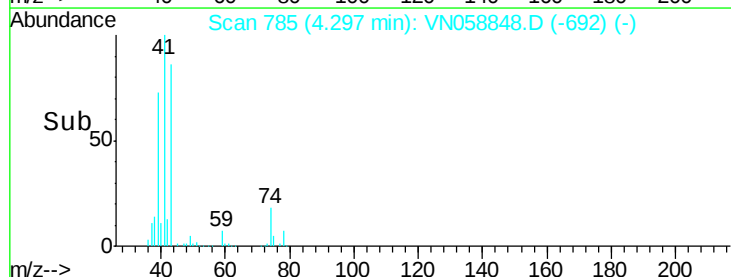
200000

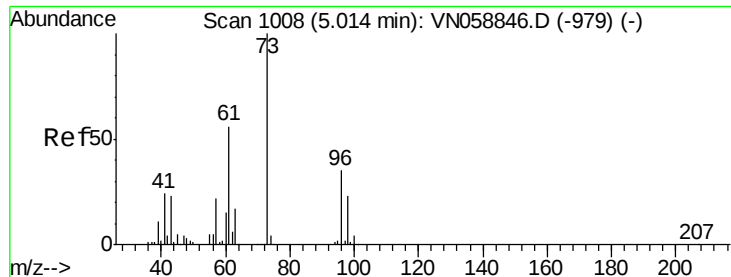
100000

0

4.20 4.30 4.40

Time-->





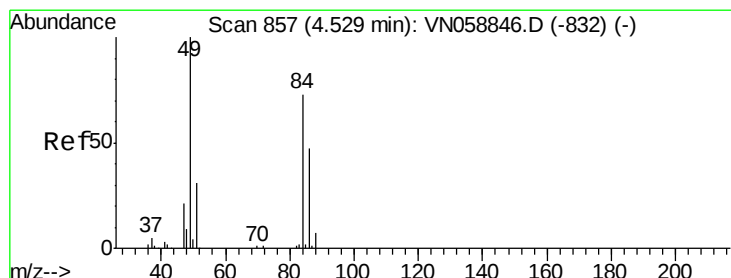
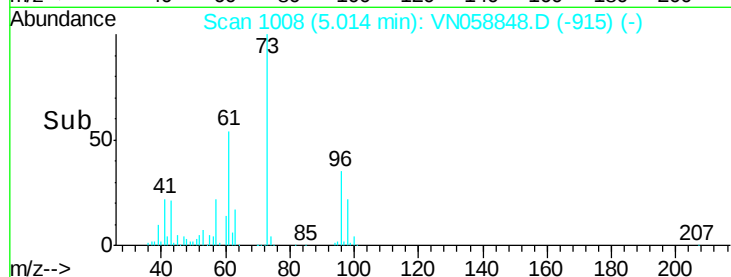
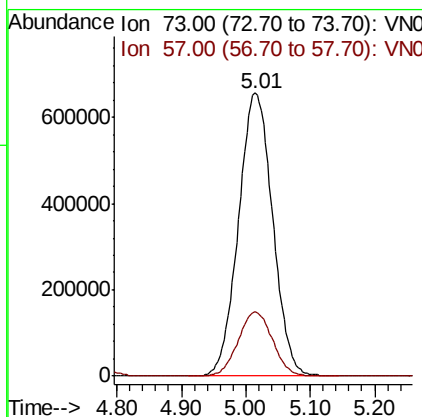
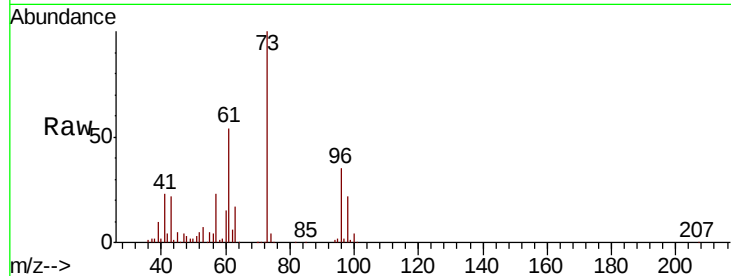
#19
Methvl tert-butvl Ether
Concen: 157.953 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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

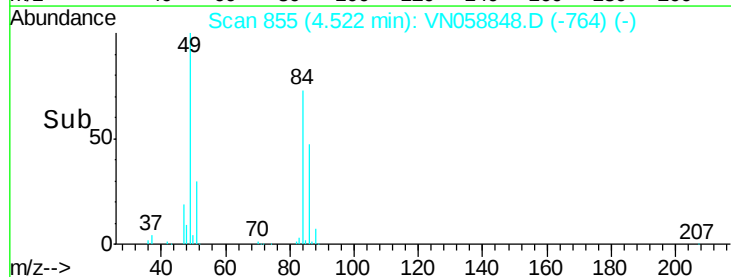
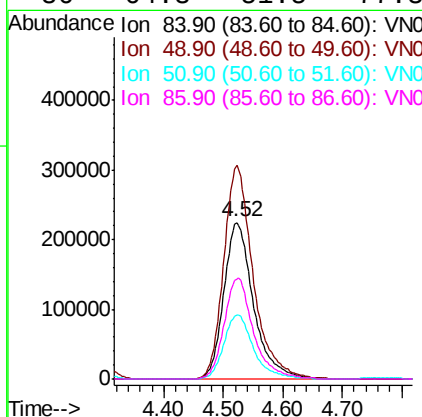
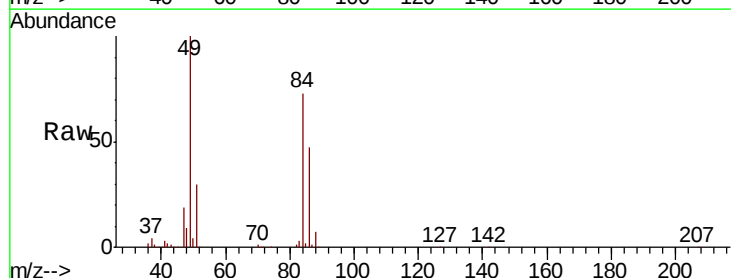
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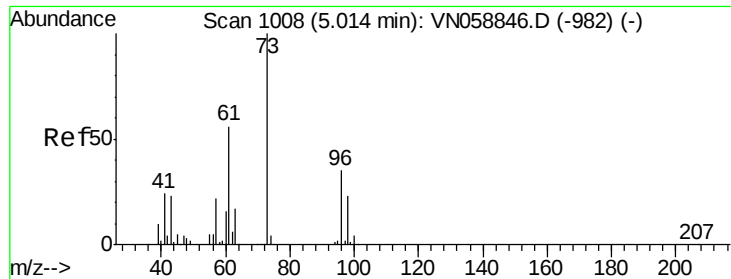
MMDadoda
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#20
Methylene Chloride
Concen: 143.284 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

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





#21

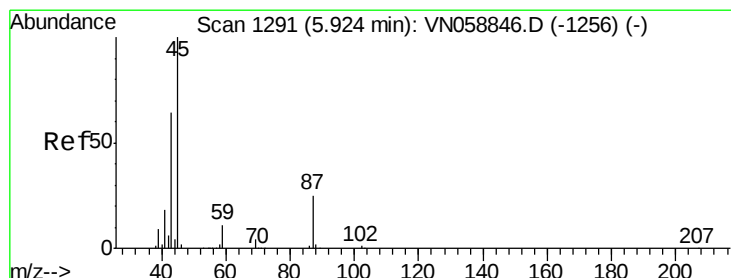
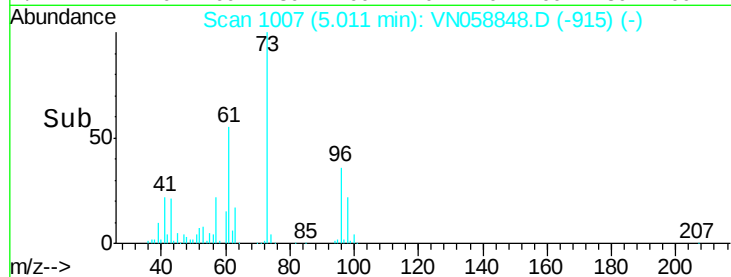
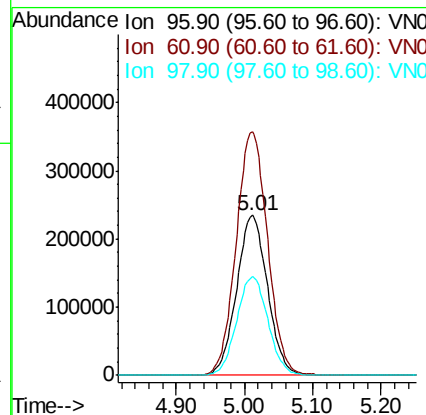
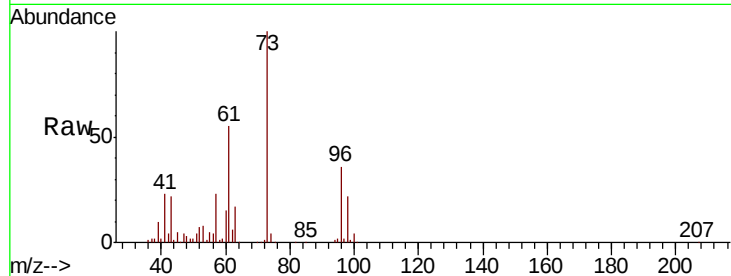
trans-1,2-Dichloroethene
Concen: 153.778 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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

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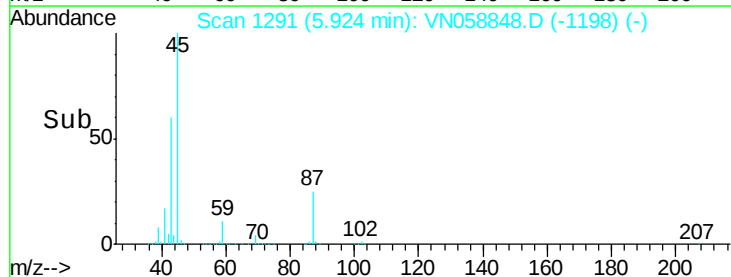
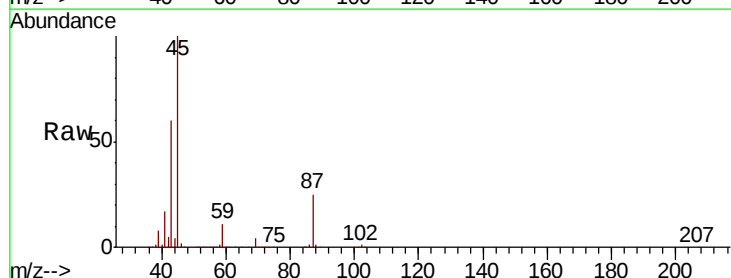
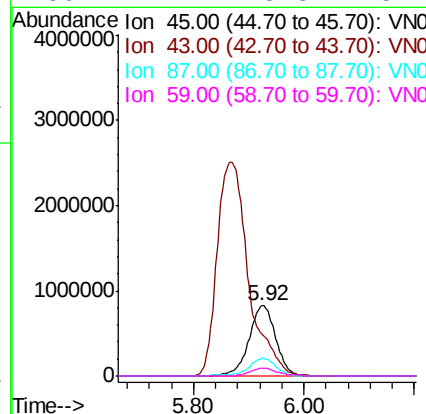
MMDadoda
10/21/2019 10:43:25 AM

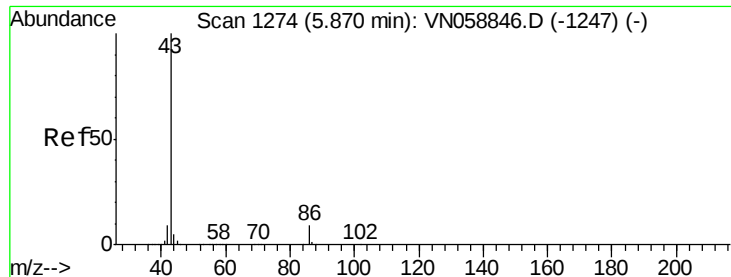


#22

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

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





#23

Vinyl Acetate

Concen: 722.852 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 9909676

Ion Ratio Lower Upper

43 100

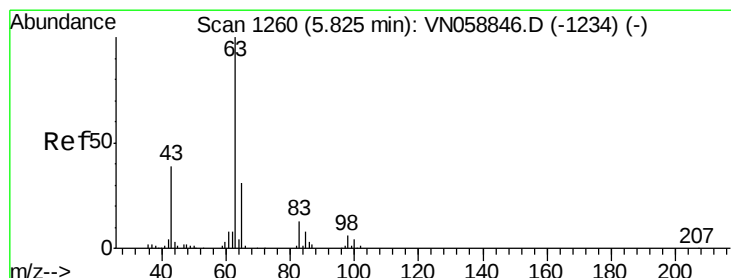
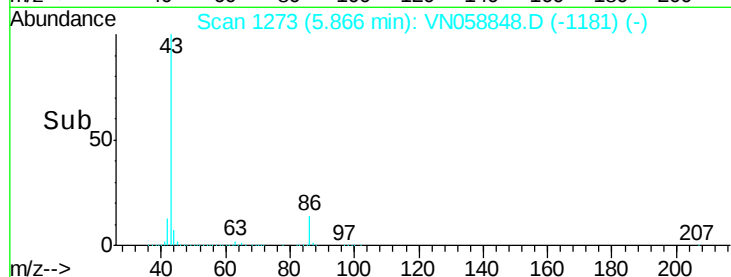
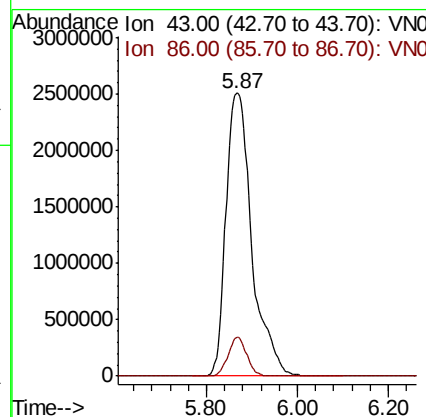
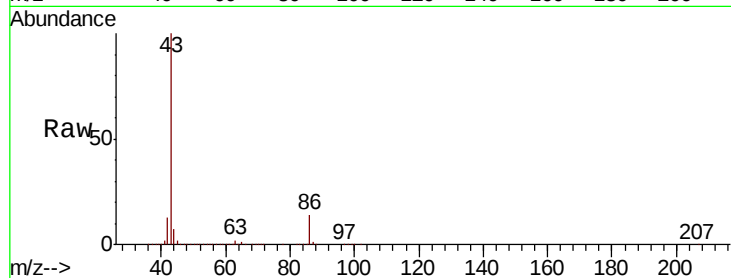
86 13.6 7.2 10.8#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 152.854 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

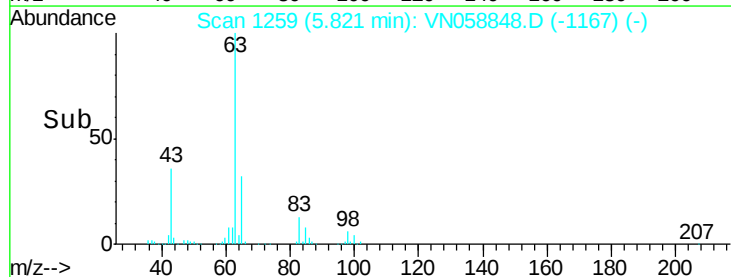
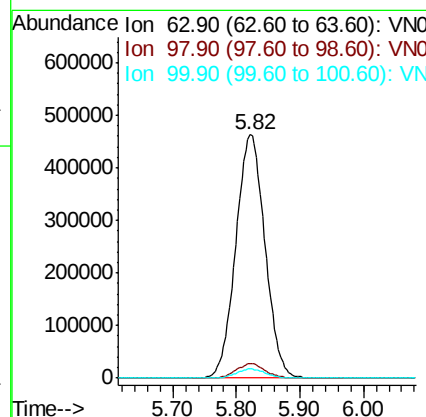
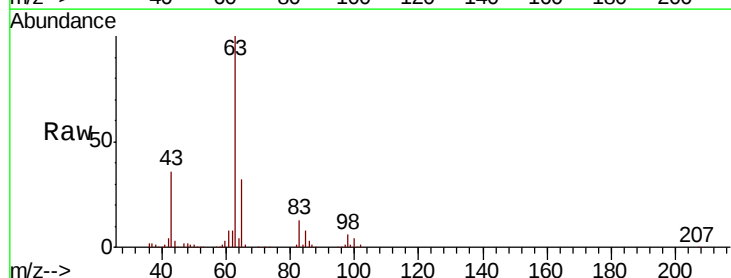
Tgt Ion: 63 Resp: 1471928

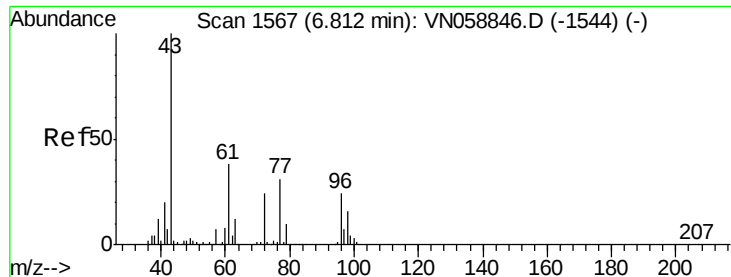
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 832.750 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3198611

Ion Ratio Lower Upper

43 100

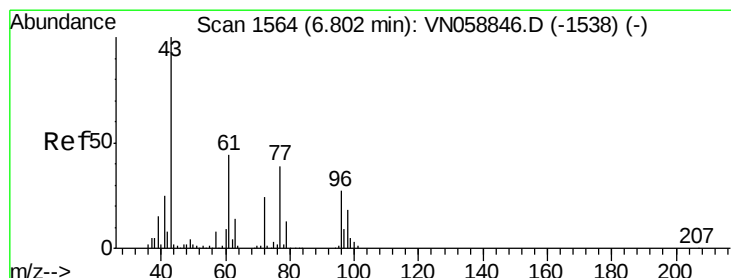
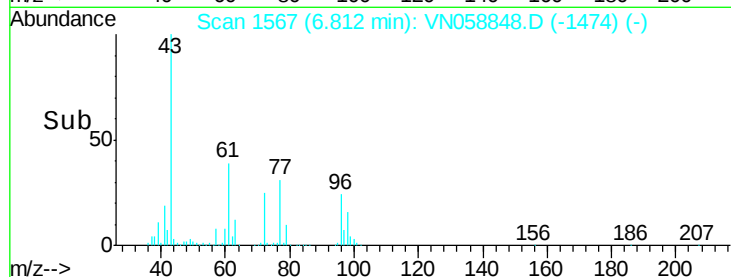
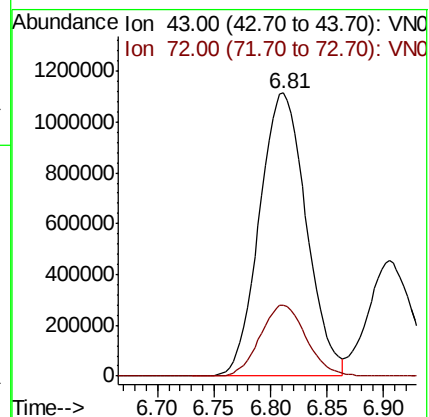
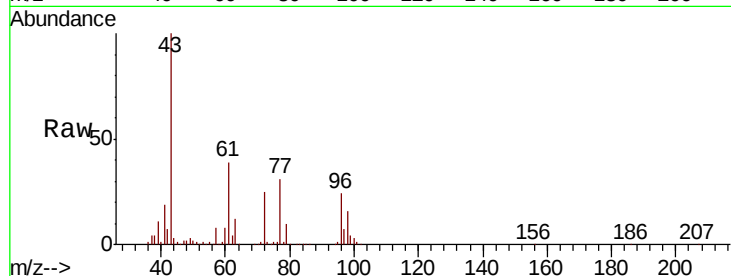
72 25.1 19.1 28.7

Manual Integrations

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MMDadoda

10/21/2019 10:43:25 AM



#26

2,2-Dichloropropane

Concen: 144.129 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058848.D

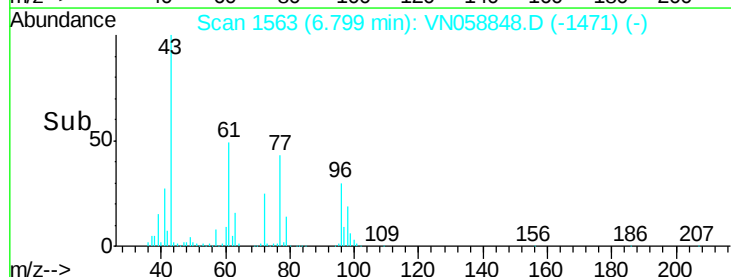
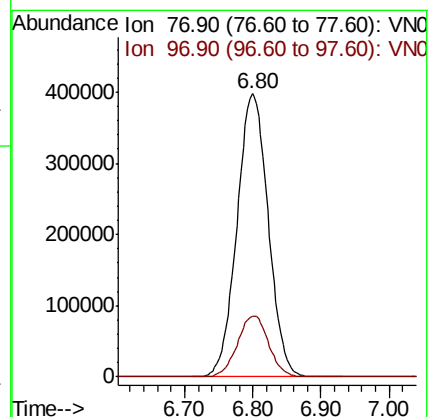
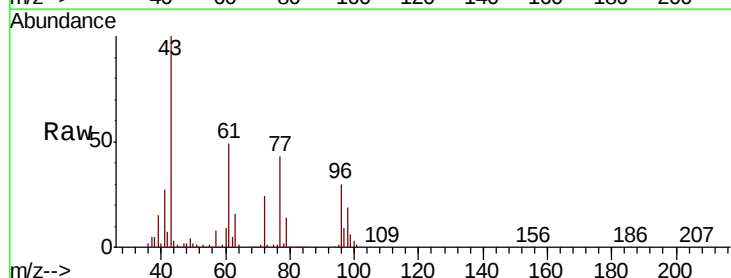
Acq: 18 Oct 2019 10:43

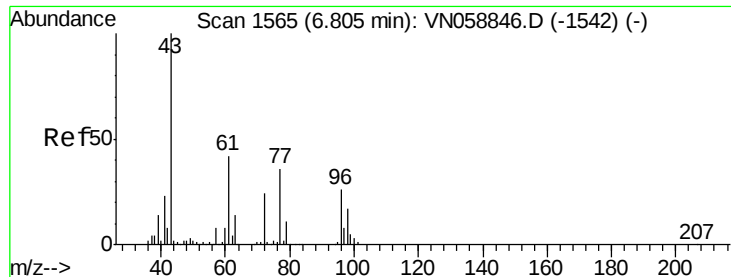
Tgt Ion: 77 Resp: 1265580

Ion Ratio Lower Upper

77 100

97 21.4 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 149.888 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

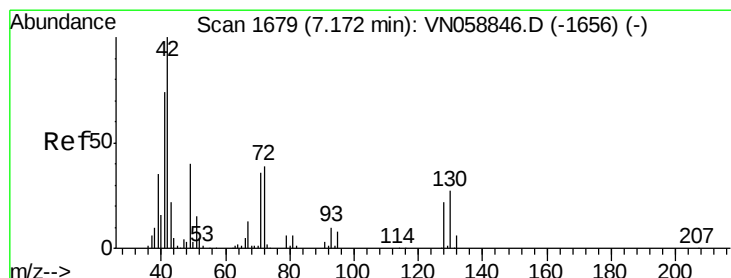
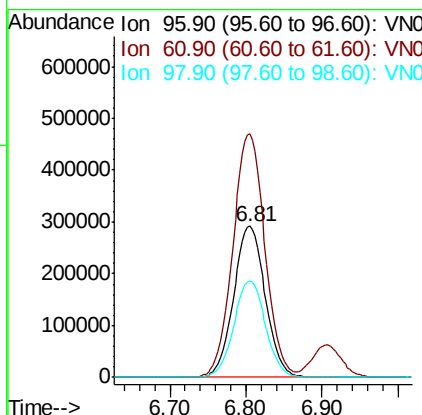
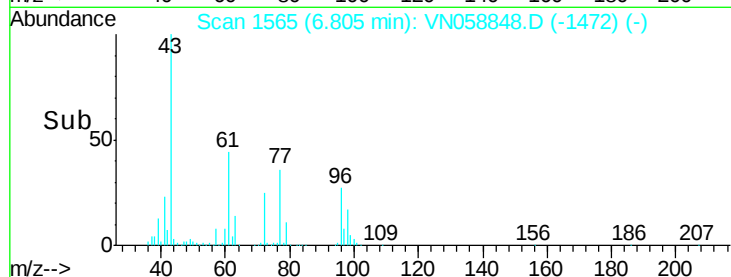
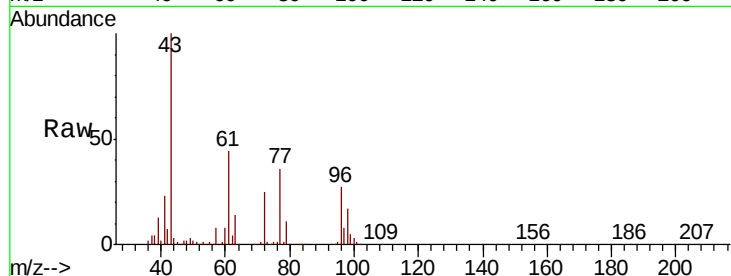
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	842018
Ion	Ratio	Lower	Upper
96	100		
61	162.9	0.0	325.0
98	64.1	0.0	128.0

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#28

Bromochloromethane

Concen: 143.751 ug/l

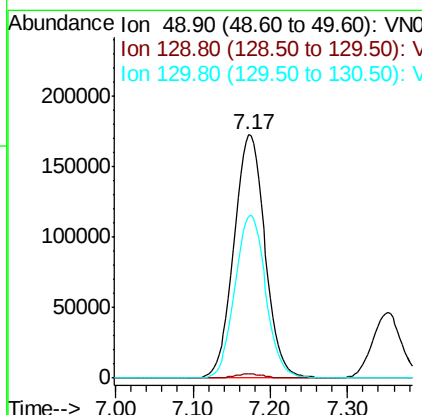
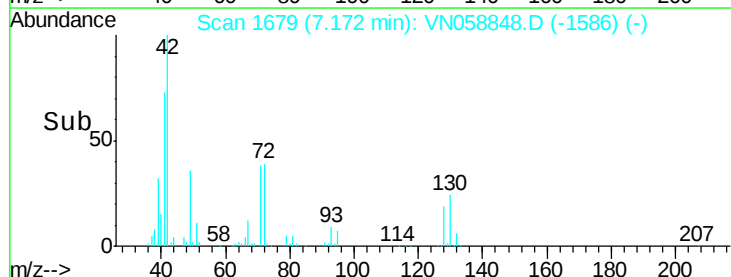
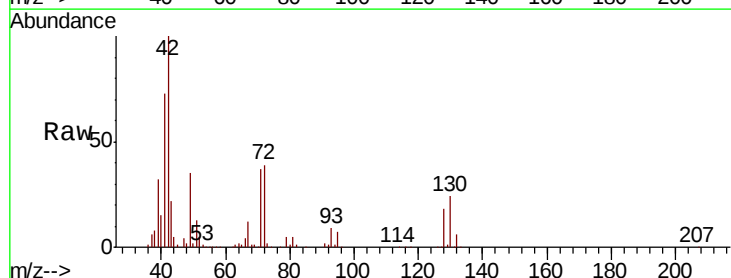
RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Tgt Ion:	49	Resp:	480734
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	66.5	53.5	80.3





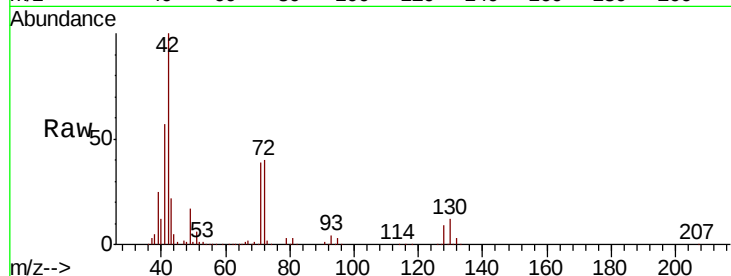
#29
Tetrahydrofuran
Concen: 828.302 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

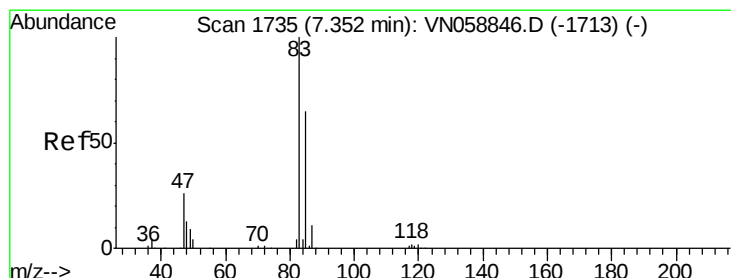
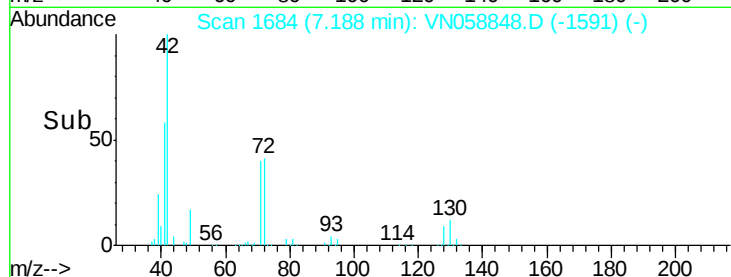
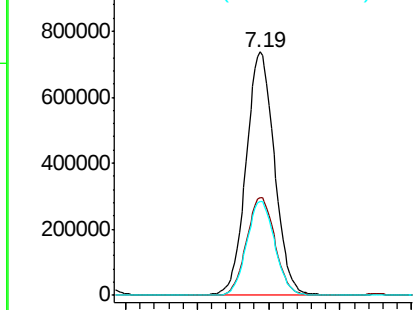
Tot Ion: 42 Resp: 2036220
Ion Ratio Lower Upper
42 100
72 40.2 32.2 48.2
71 38.3 30.6 45.8

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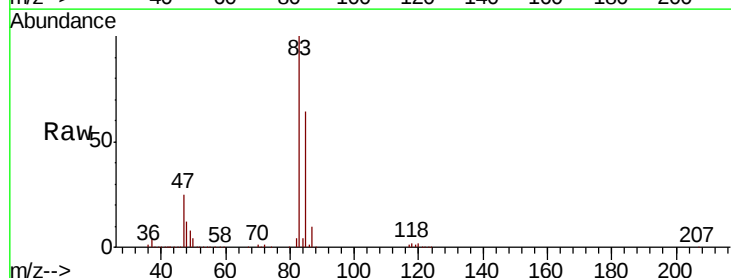


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

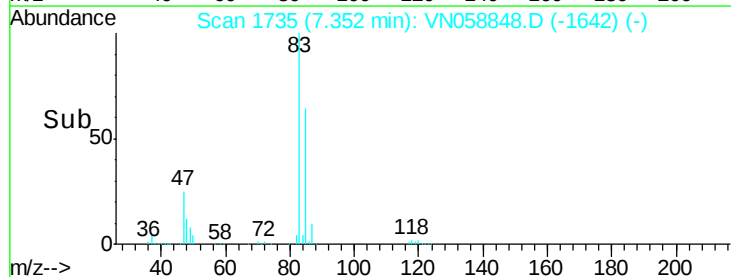
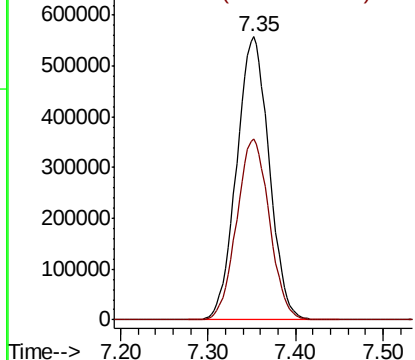


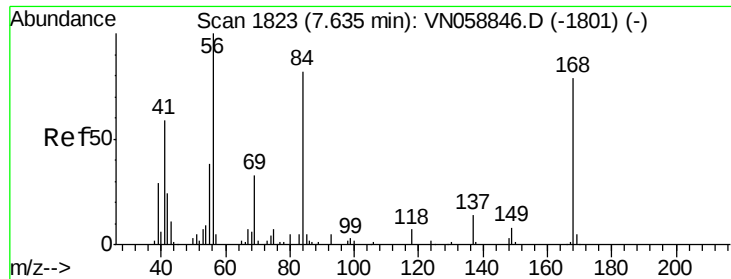
#30
Chloroform
Concen: 148.343 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 83 Resp: 1439550
Ion Ratio Lower Upper
83 100
85 63.9 51.9 77.9



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





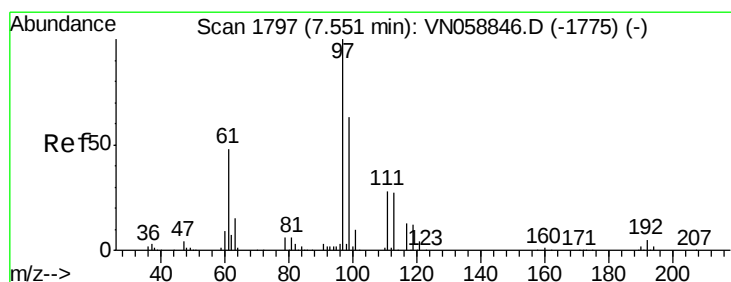
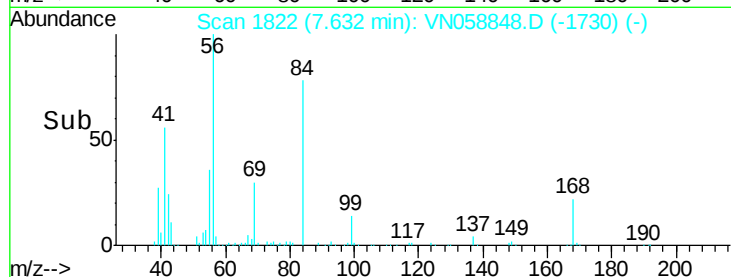
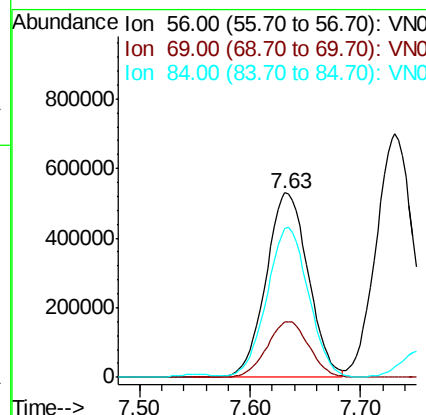
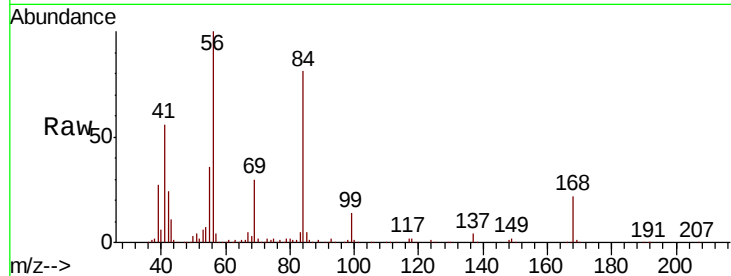
#31
Cyclohexane
Concen: 152.006 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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

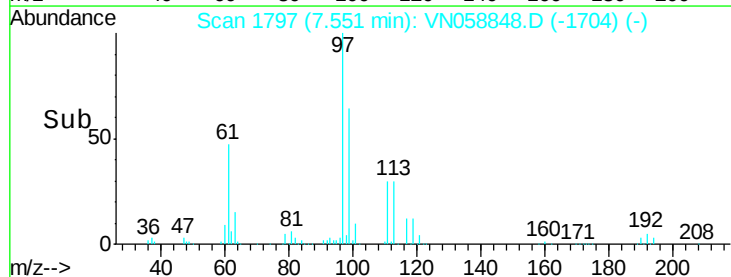
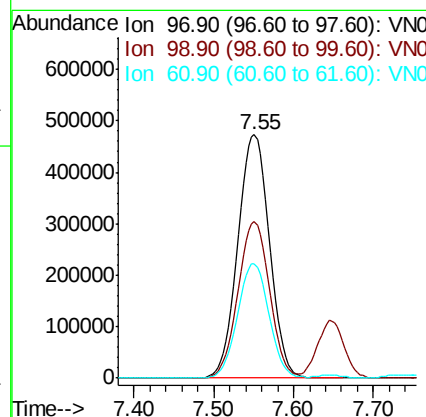
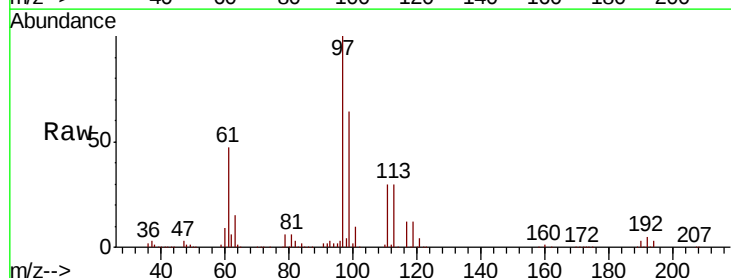
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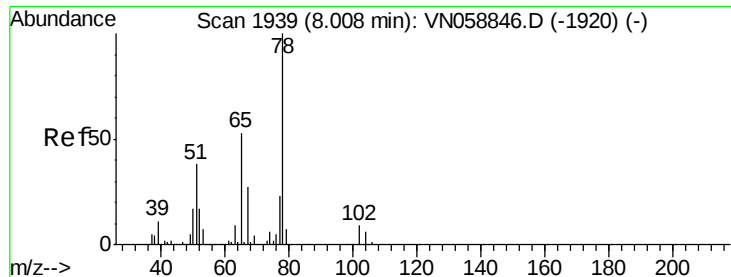
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#32
1,1,1-Trichloroethane
Concen: 153.065 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

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





#33

1,2-Dichloroethane-d4

Concen: 149.254 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 939907

Ion Ratio Lower Upper

65 100

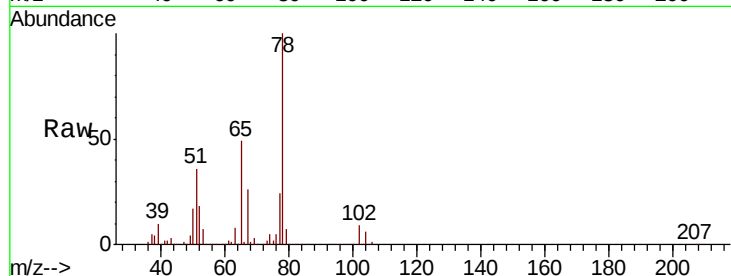
67 52.8 0.0 103.2

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

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

8.01

400000

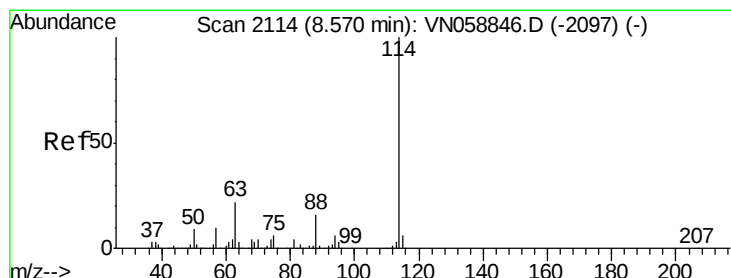
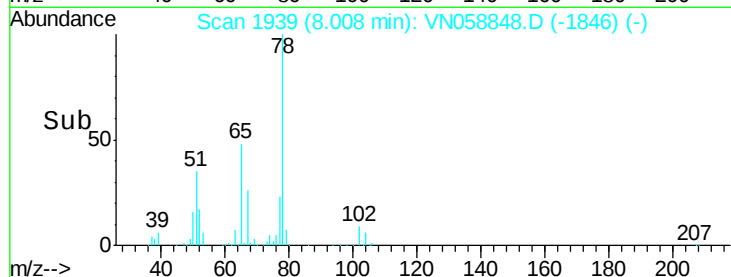
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

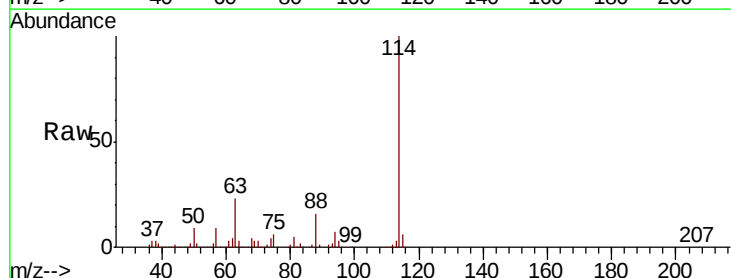
Tgt Ion: 114 Resp: 713057

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.4

88 16.4 0.0 31.4



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

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

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

8.57

400000

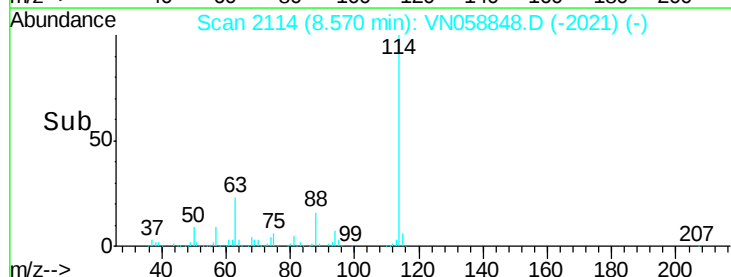
300000

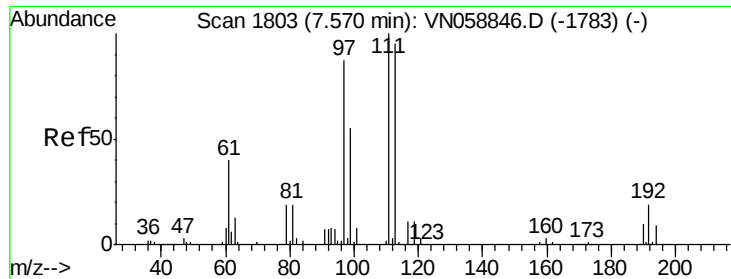
200000

100000

0

Time-->





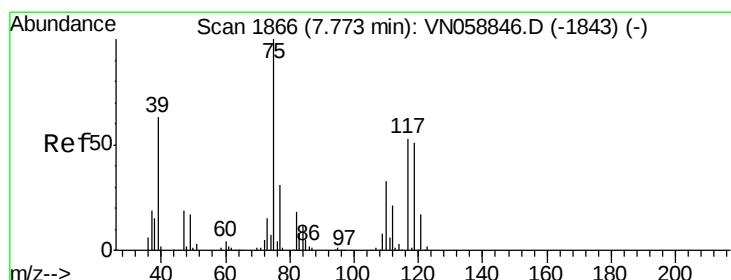
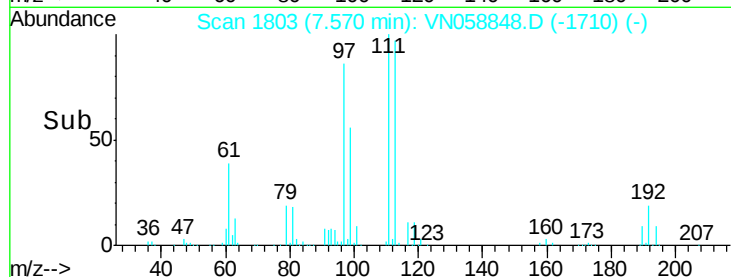
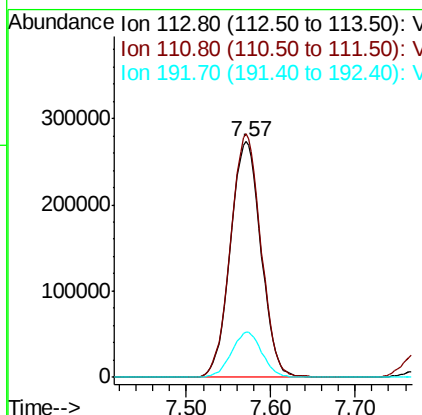
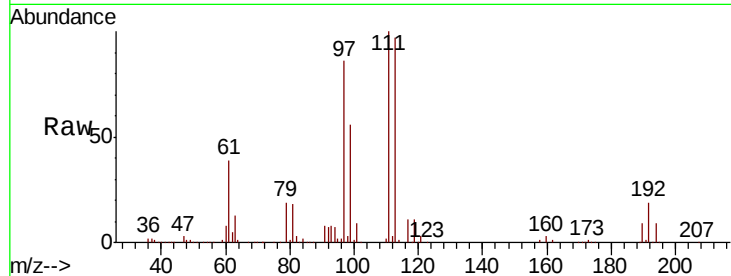
#35
 Dibromofluoromethane
 Concen: 154.767 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

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

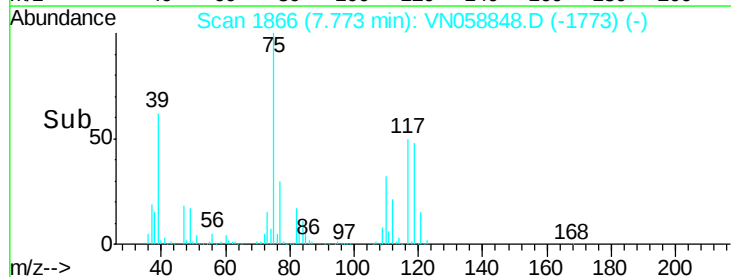
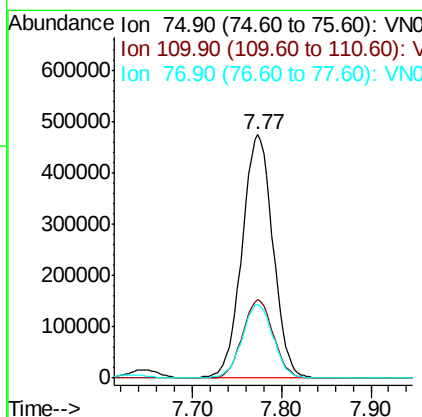
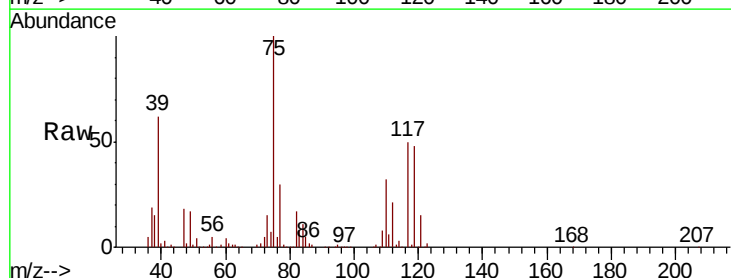
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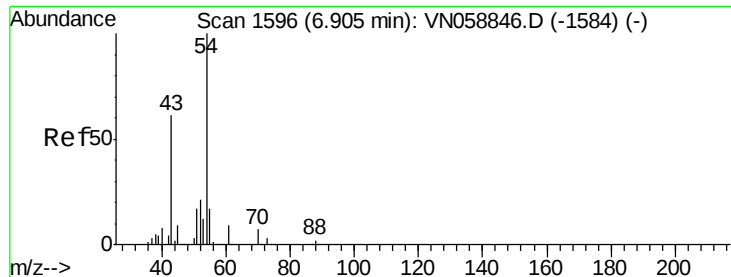
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#36
 1,1-Dichloropropene
 Concen: 156.292 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

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





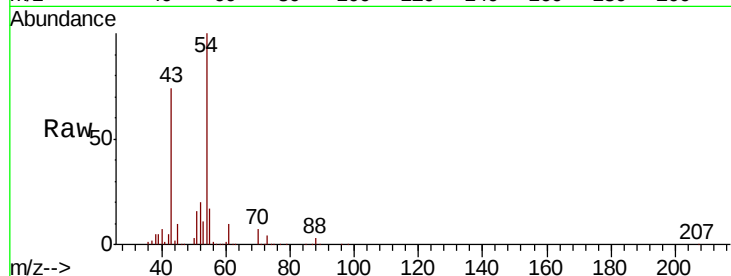
#37
Ethyl Acetate
Concen: 167.931 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

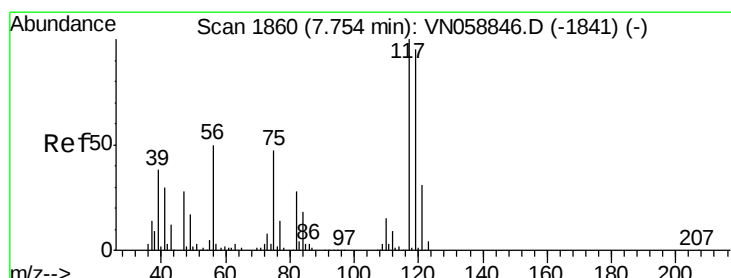
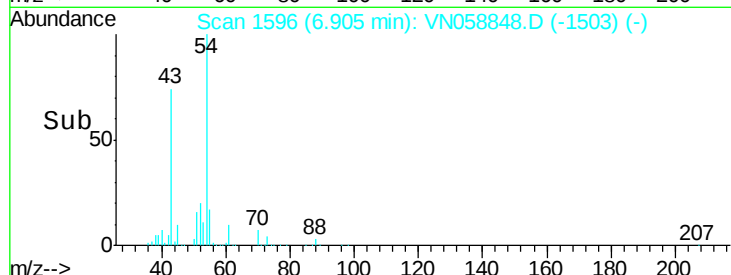
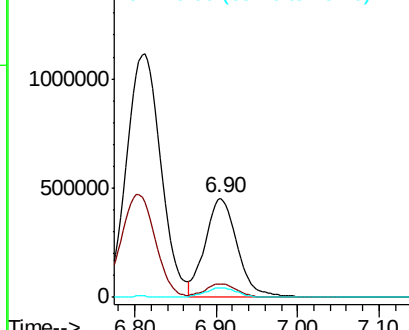
Tot Ion: 43 Resp: 1250335
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 9.6 7.6 11.4

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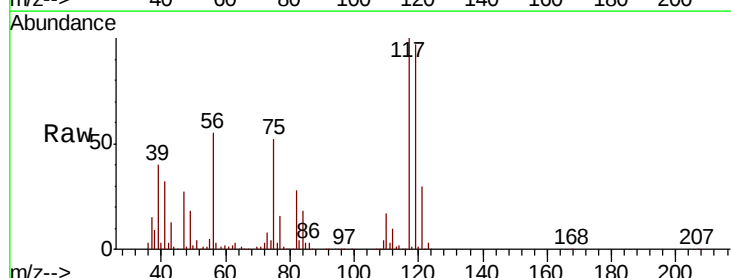


Abundance Ion 43.00 (42.70 to 43.70): VN0
1500000 Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

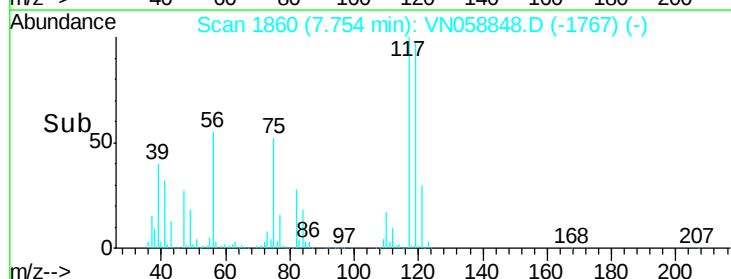
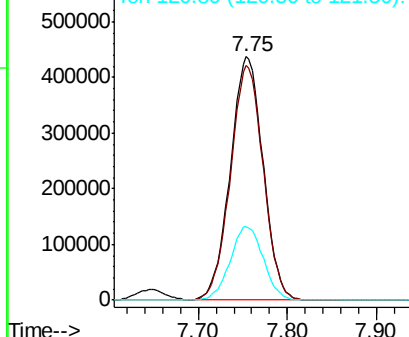


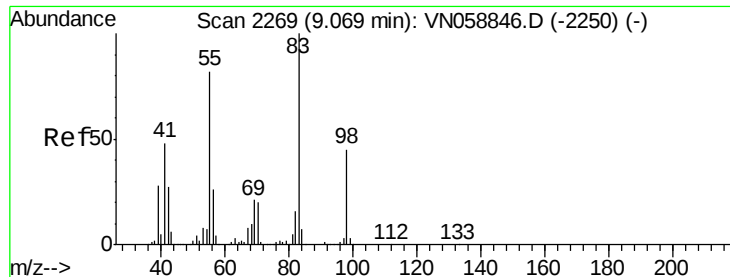
#38
Carbon Tetrachloride
Concen: 156.454 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

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



Abundance Ion 116.80 (116.50 to 117.50): V
600000 Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 162.791 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1368099

Ion Ratio Lower Upper

83 100

55 80.0 65.5 98.3

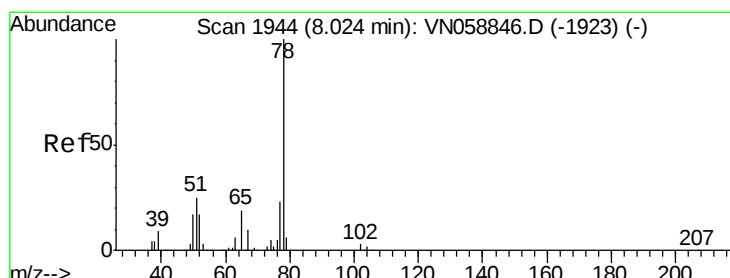
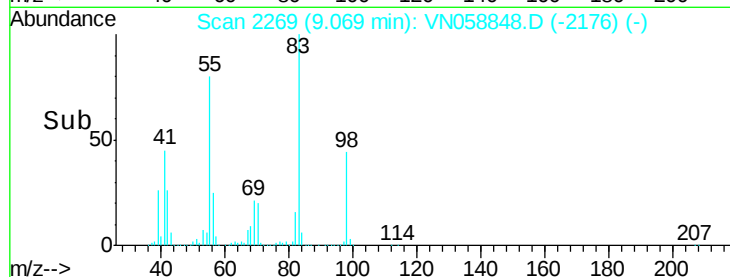
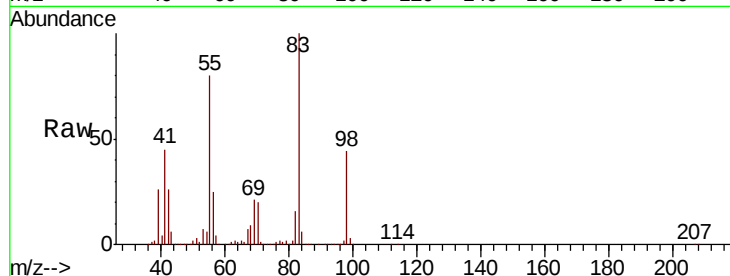
98 44.0 35.7 53.5

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#40

Benzene

Concen: 153.510 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN058848.D

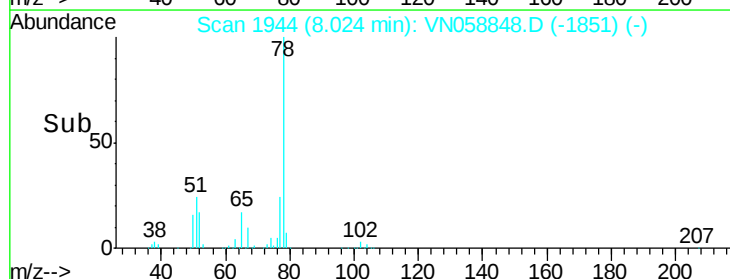
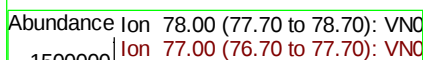
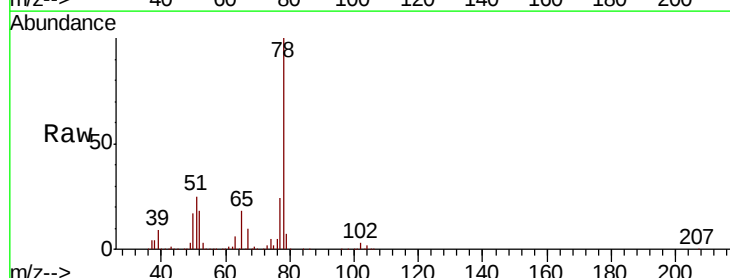
Acq: 18 Oct 2019 10:43

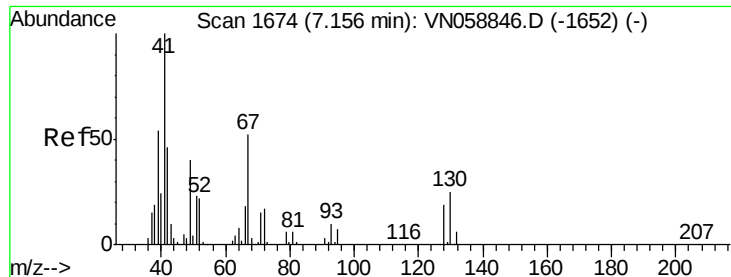
Tgt Ion: 78 Resp: 3217258

Ion Ratio Lower Upper

78 100

77 23.9 18.2 27.2





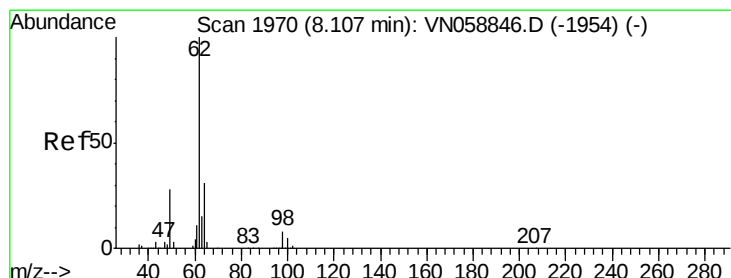
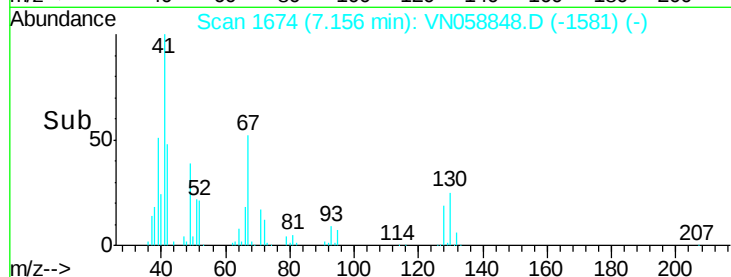
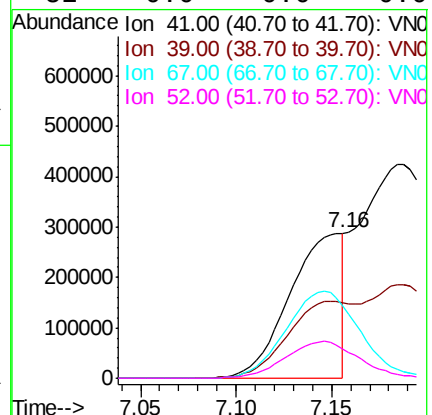
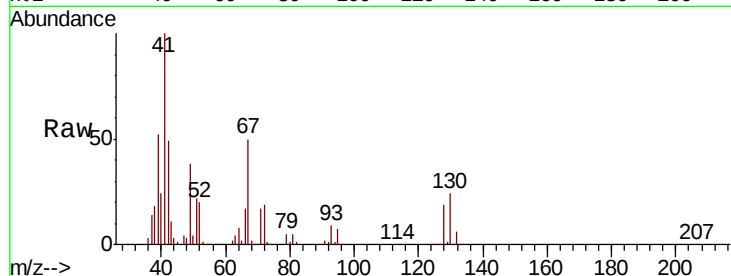
#41
Methacrylonitrile
Concen: 164.704 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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

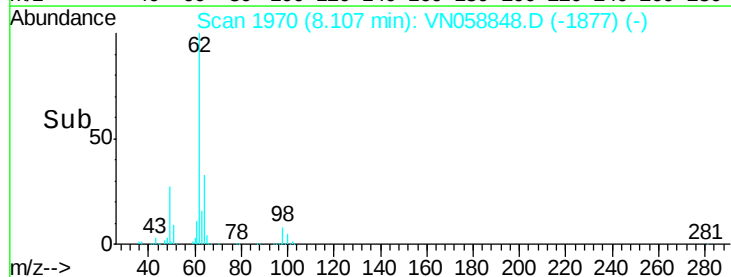
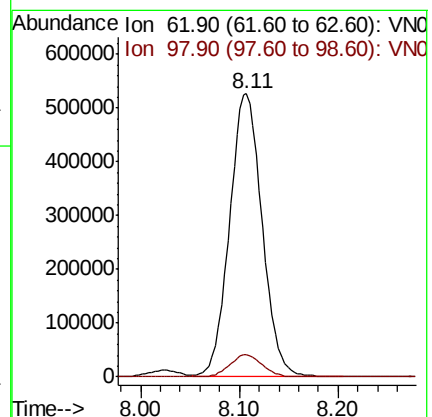
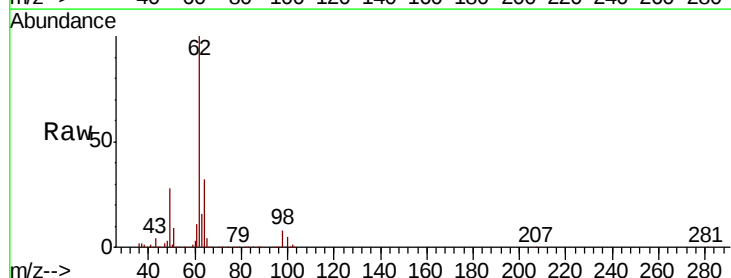
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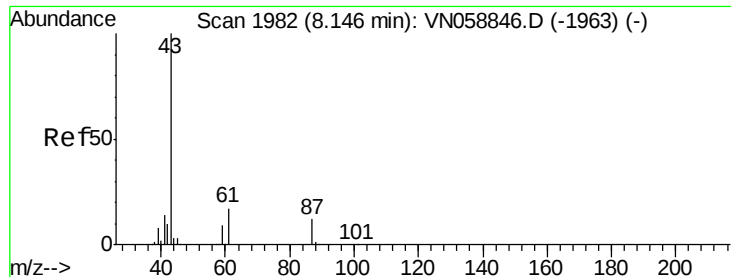
MMDadoda
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#42
1,2-Dichloroethane
Concen: 150.430 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2





#43

Isopropyl Acetate

Concen: 163.726 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2060551

Ion Ratio Lower Upper

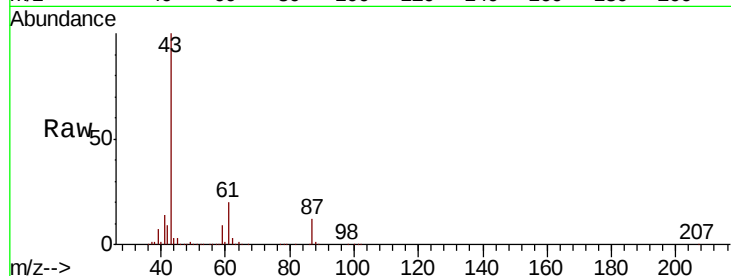
43 100

61 25.2 20.2 30.2

87 11.8 9.5 14.3

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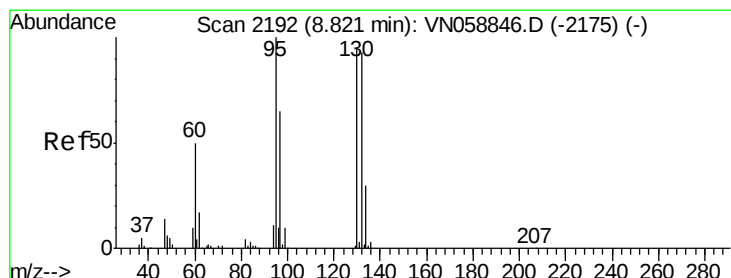
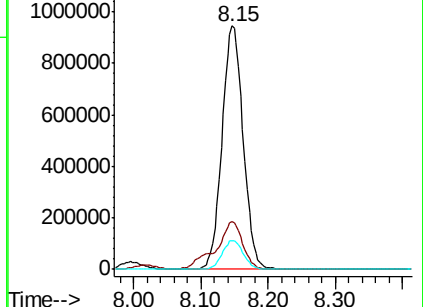
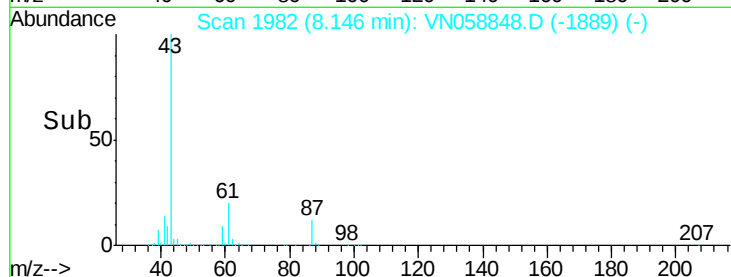
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Abundance Ion 43.00 (42.70 to 43.70): VN058848.D (-1889) (-)

Ion 61.00 (60.70 to 61.70): VN058848.D (-1889) (-)

Ion 87.00 (86.70 to 87.70): VN058848.D (-1889) (-)



#44

Trichloroethene

Concen: 153.507 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058848.D

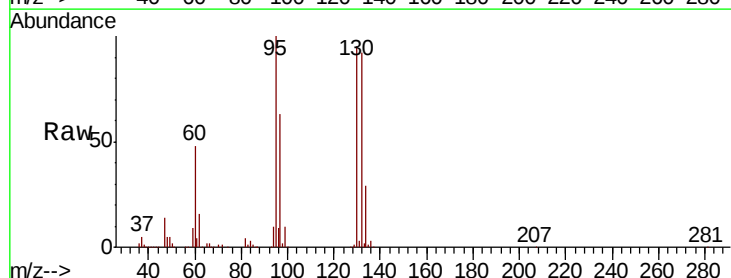
Acq: 18 Oct 2019 10:43

Tgt Ion:130 Resp: 794550

Ion Ratio Lower Upper

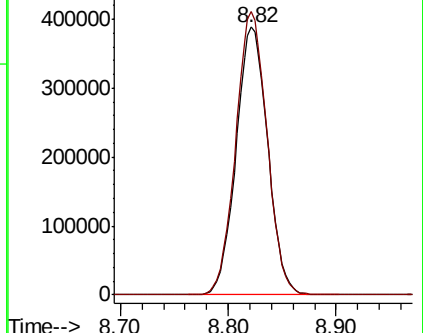
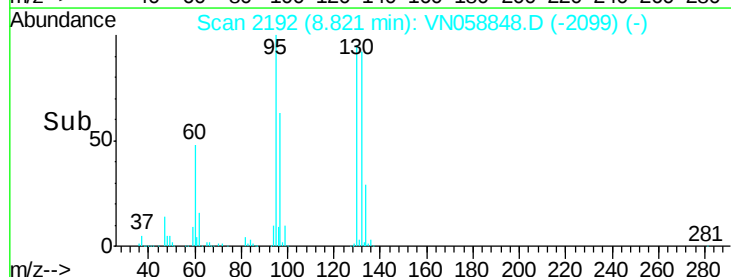
130 100

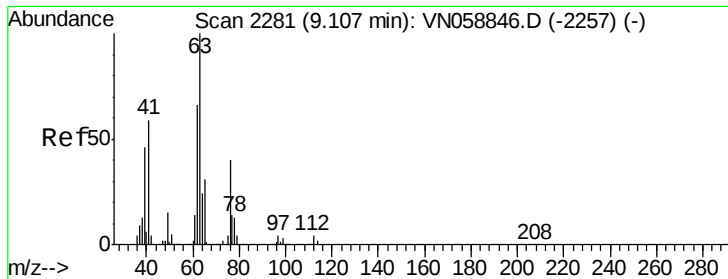
95 105.7 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058848.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN058848.D (-2099) (-)





#45

1,2-Dichloropropane

Concen: 157.551 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 63 Resp: 885165

Ion Ratio Lower Upper

63 100

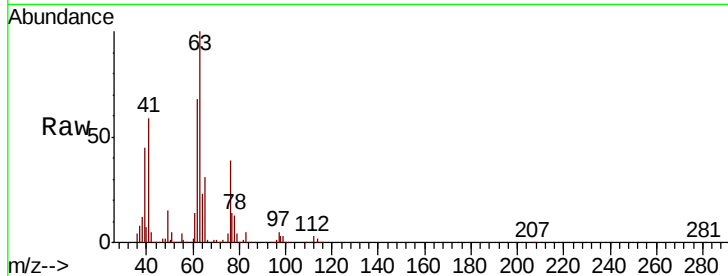
65 30.5 24.5 36.7

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Abundance Ion 62.90 (62.60 to 63.60): VN058848.D (-2188) (-)

Ion 64.90 (64.60 to 65.60): VN058848.D (-2188) (-)

9.10

400000

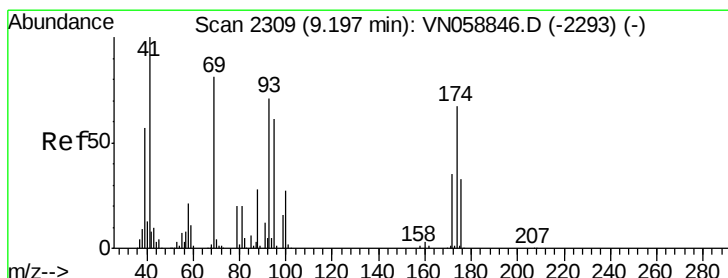
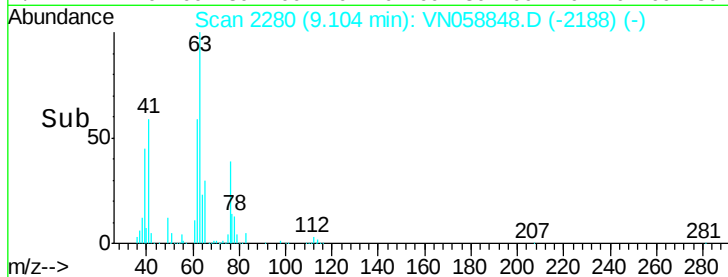
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 156.604 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

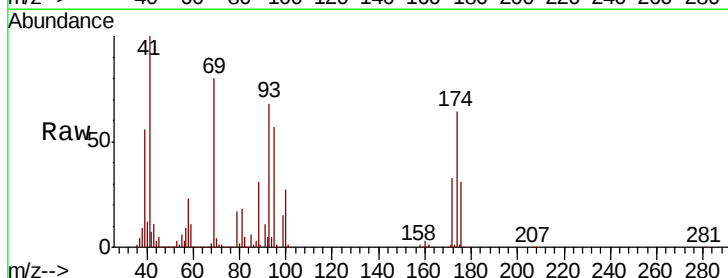
Tgt Ion: 93 Resp: 555922

Ion Ratio Lower Upper

93 100

95 83.1 67.6 101.4

174 93.0 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN058848.D (-2216) (-)

Ion 94.80 (94.50 to 95.50): VN058848.D (-2216) (-)

Ion 173.70 (173.40 to 174.40): VN058848.D (-2216) (-)

9.20

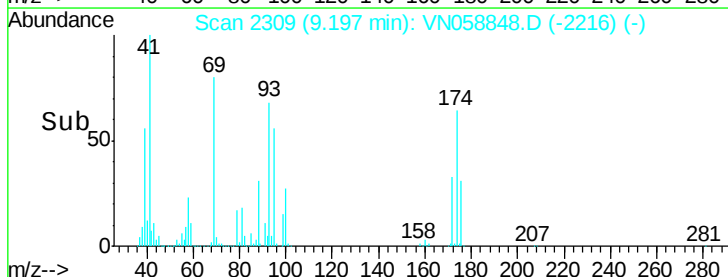
300000

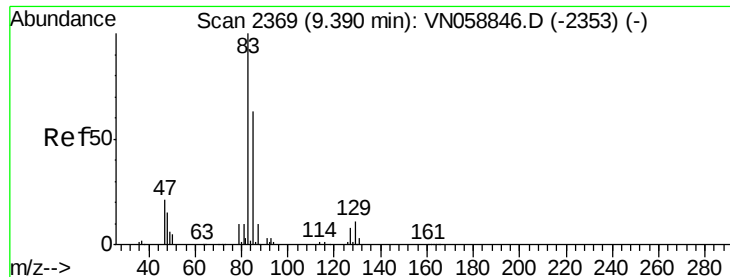
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 160.759 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1164549

Ion Ratio Lower Upper

83 100

85 63.5 50.6 75.8

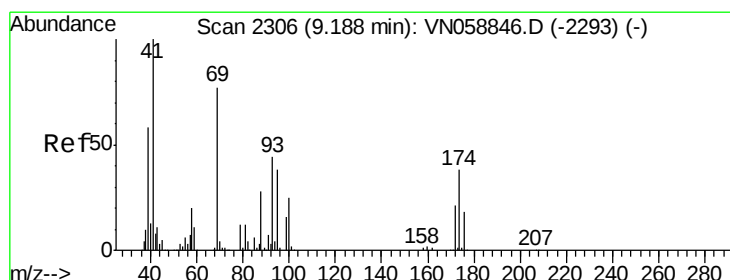
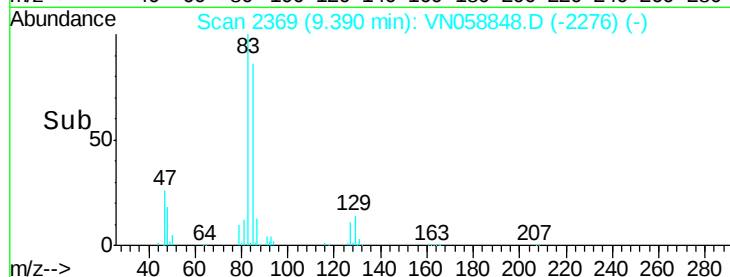
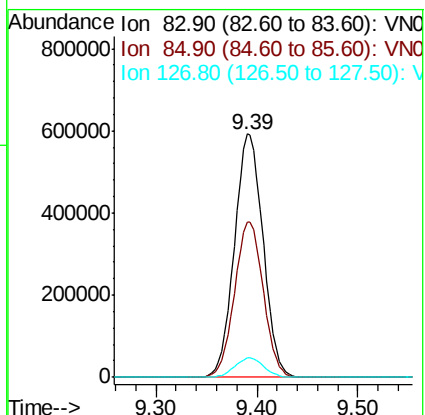
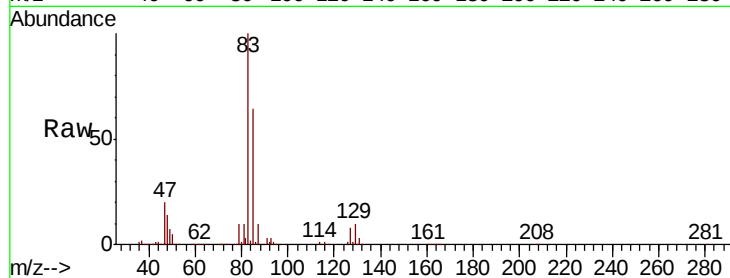
127 7.9 6.5 9.7

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#48

Methyl methacrylate

Concen: 173.343 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

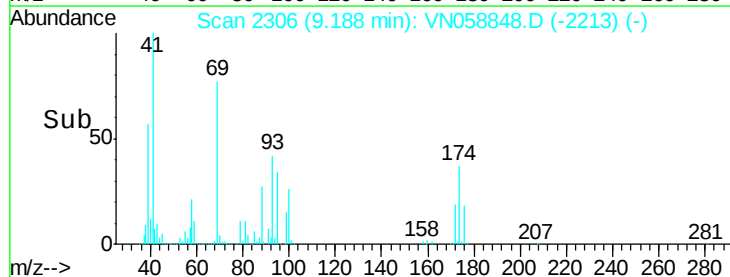
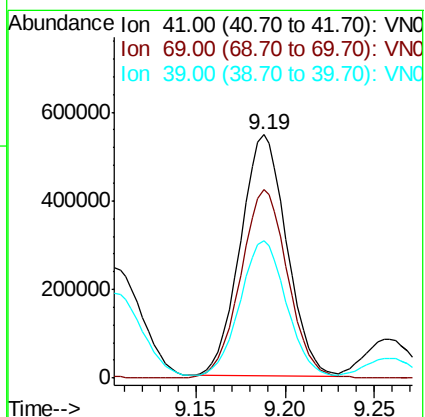
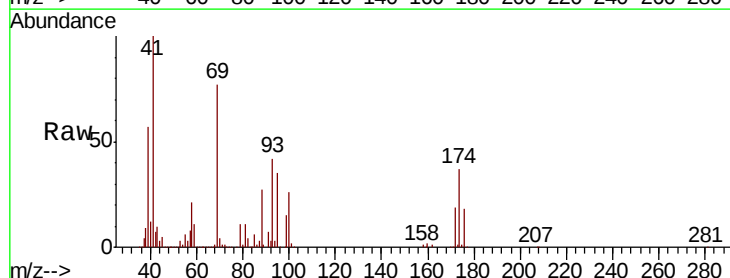
Tgt Ion: 41 Resp: 991747

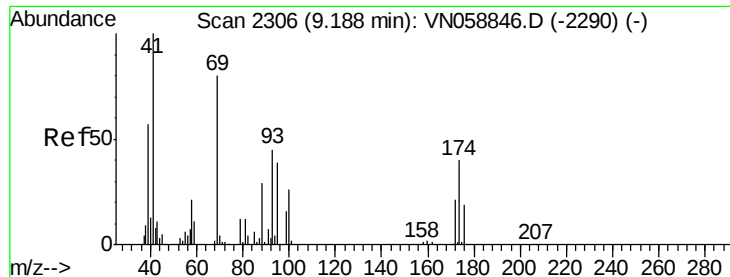
Ion Ratio Lower Upper

41 100

69 79.1 63.8 95.6

39 57.6 47.8 71.8





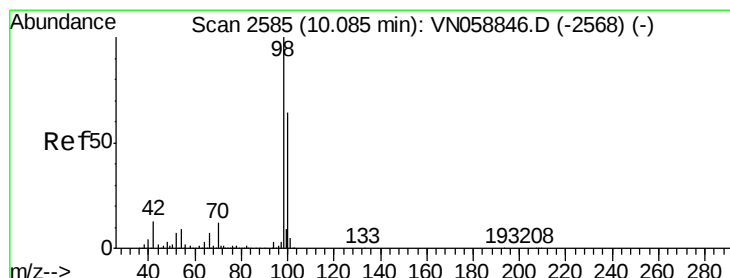
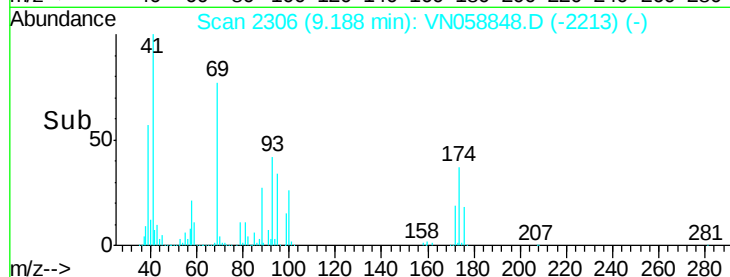
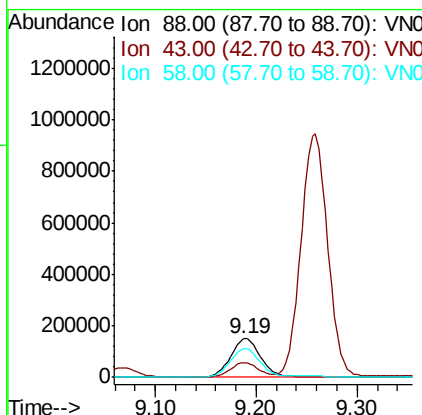
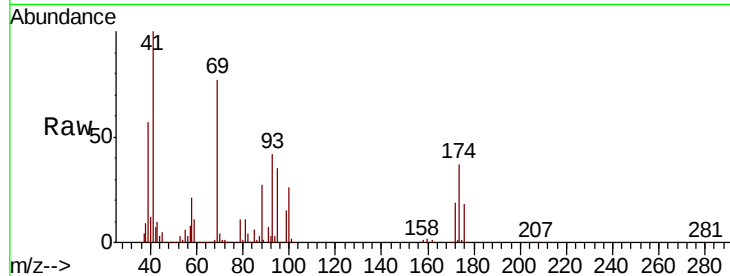
#49
1,4-Dioxane
Concen: 3560.938 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	29.1	43.7
58	73.9	59.4	89.0

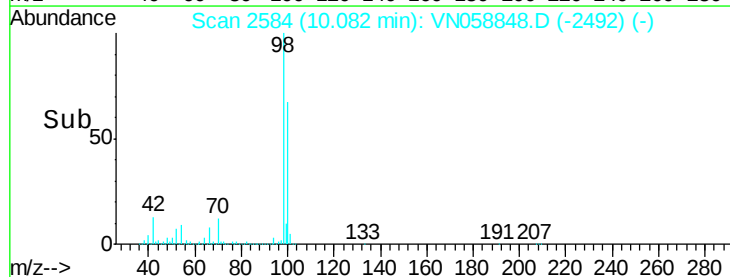
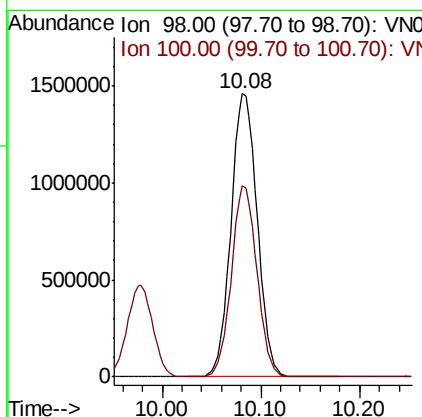
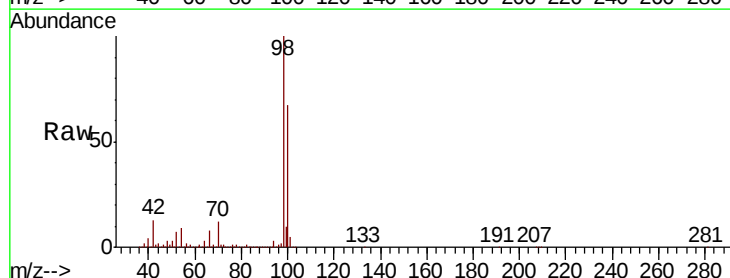
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#50
Toluene-d8
Concen: 152.310 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.4	77.2





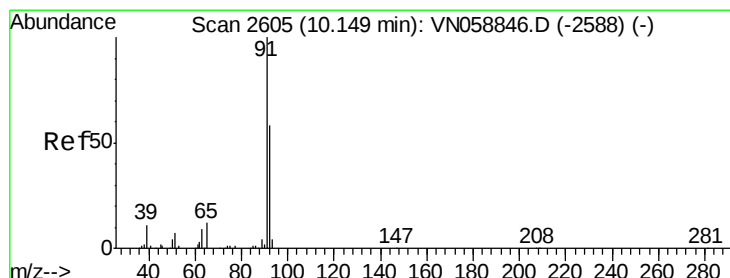
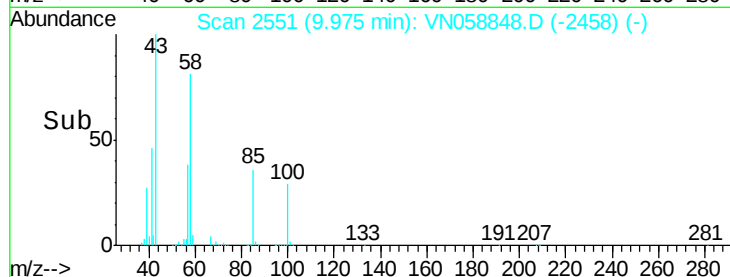
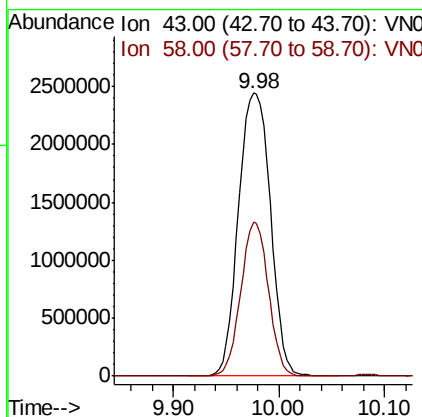
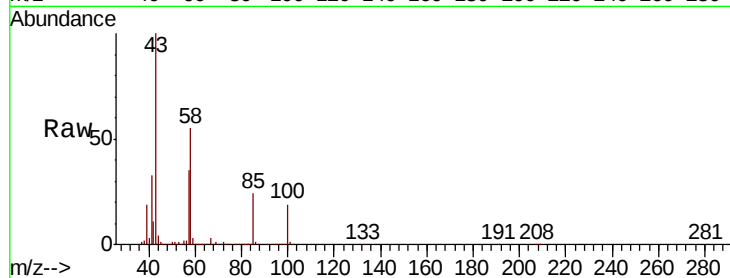
#51
 4-Methyl-2-Pentanone
 Concen: 724.964 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 5158737
 Ion Ratio Lower Upper
 43 100
 58 47.1 29.9 44.9#

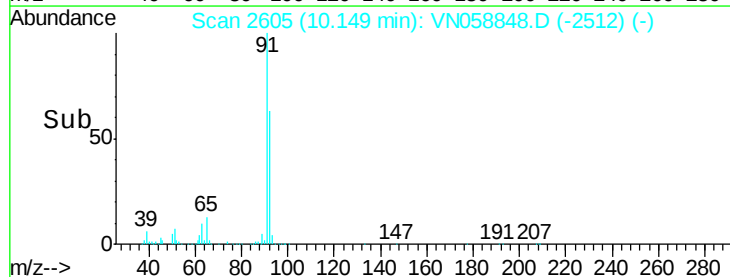
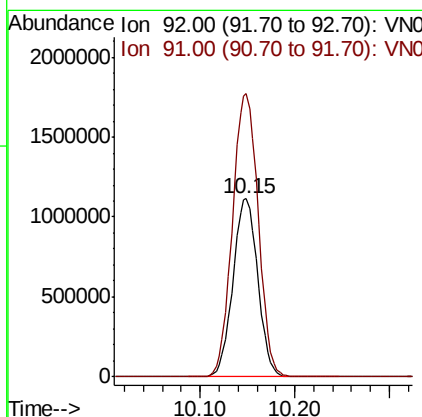
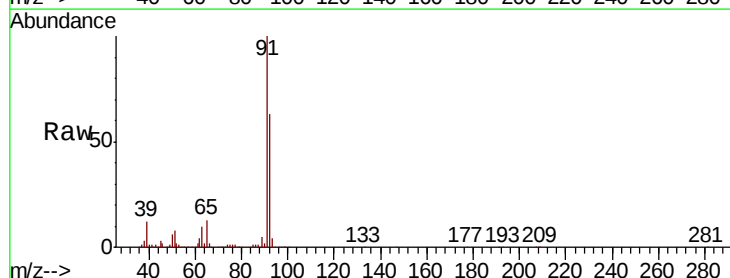
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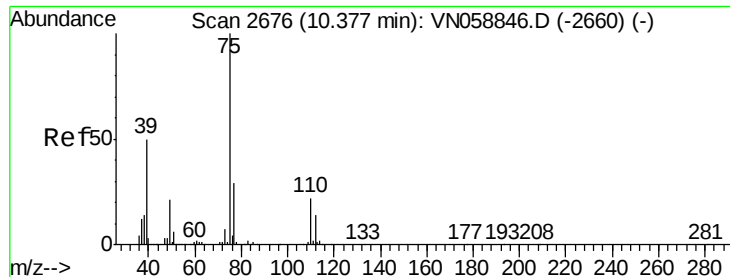
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#52
 Toluene
 Concen: 158.679 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Tgt Ion: 92 Resp: 2029726
 Ion Ratio Lower Upper
 92 100
 91 165.0 138.9 208.3





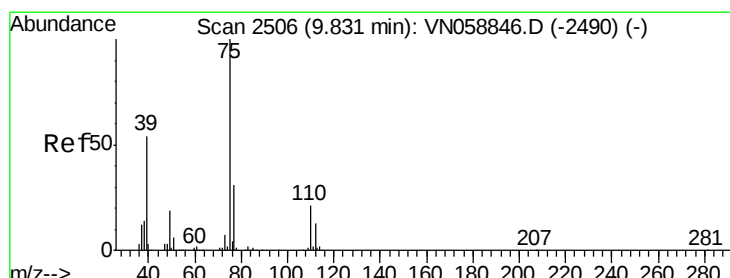
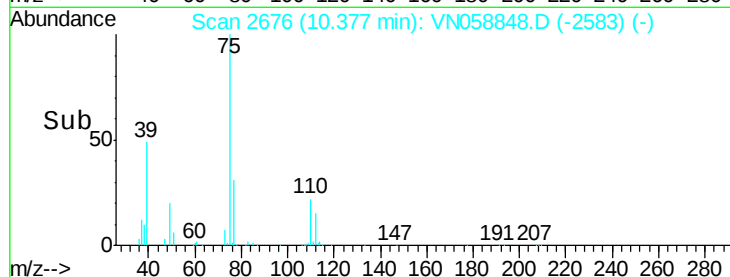
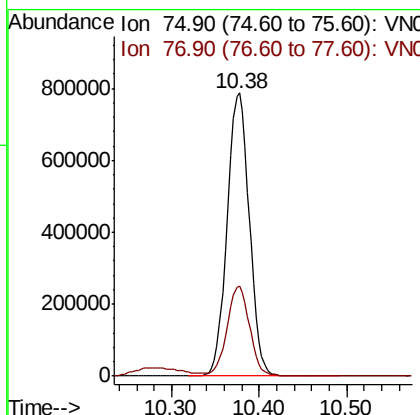
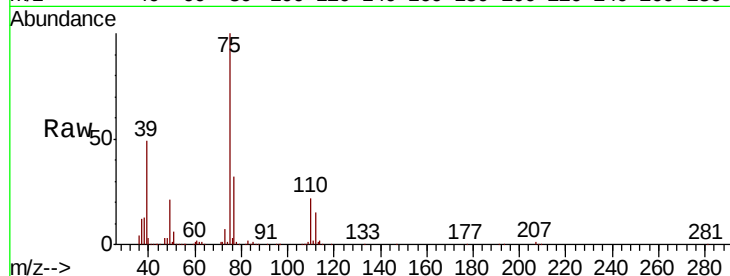
#53
t-1,3-Dichloropropene
Concen: 166.784 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1384679
Ion Ratio Lower Upper
75 100
77 31.5 25.7 38.5

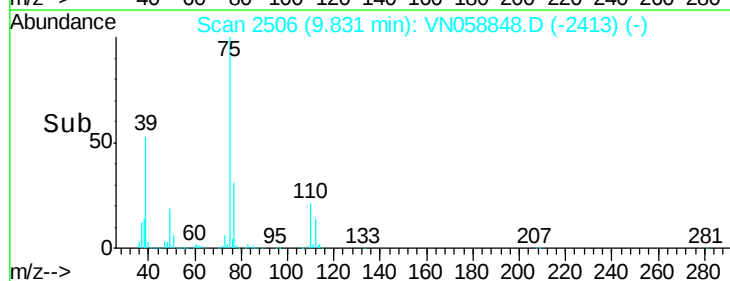
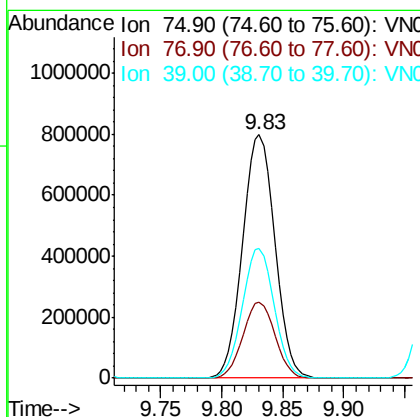
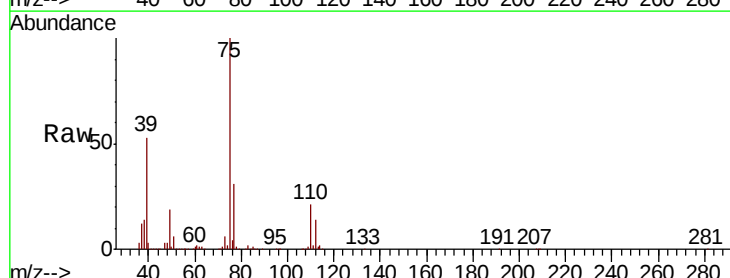
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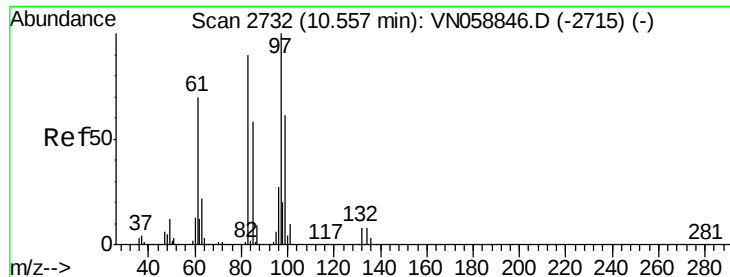
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#54
cis-1,3-Dichloropropene
Concen: 164.794 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 75 Resp: 1454800
Ion Ratio Lower Upper
75 100
77 31.2 24.7 37.1
39 53.3 43.5 65.3





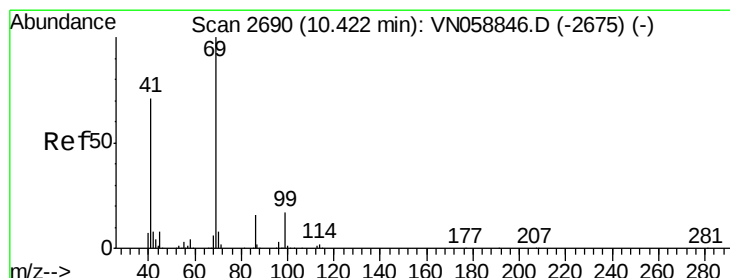
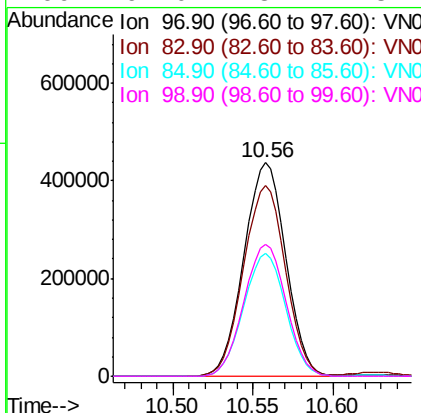
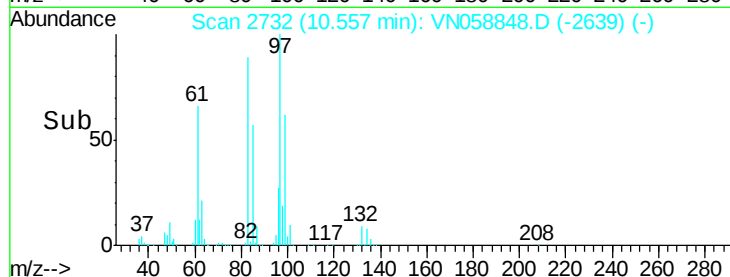
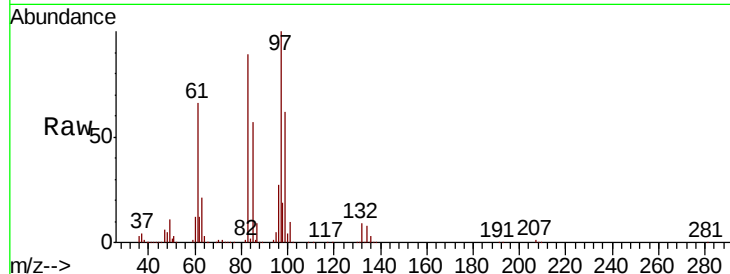
#55
 1,1,2-Trichloroethane
 Concen: 149.611 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	783775
Ion	Ratio	Lower	Upper
97	100		
83	89.2	72.2	108.4
85	57.3	46.2	69.2
99	62.0	48.7	73.1

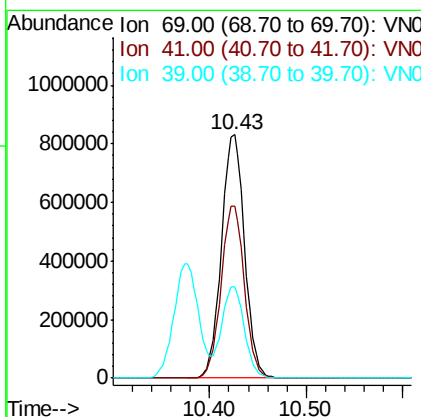
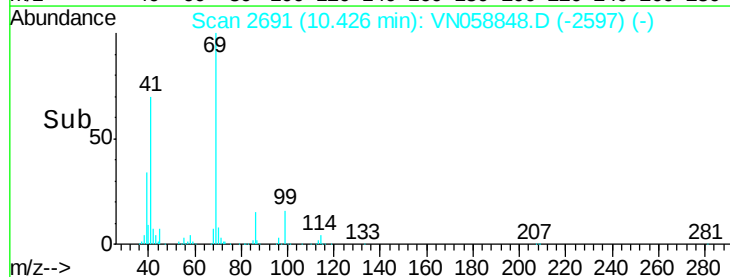
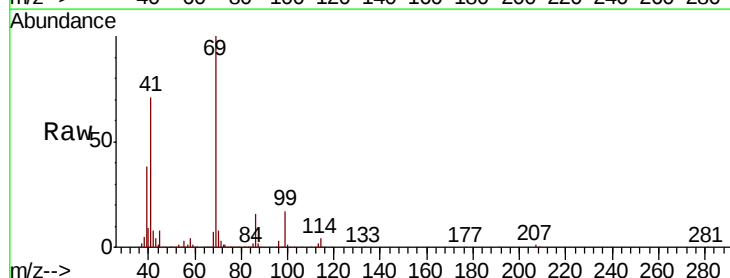
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#56
 Ethyl methacrylate
 Concen: 180.181 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Tgt Ion:	69	Resp:	1379050
Ion	Ratio	Lower	Upper
69	100		
41	70.5	57.2	85.8
39	37.5	31.0	46.4





#57

1,3-Dichloropropane

Concen: 157.365 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1407787

Ion Ratio Lower Upper

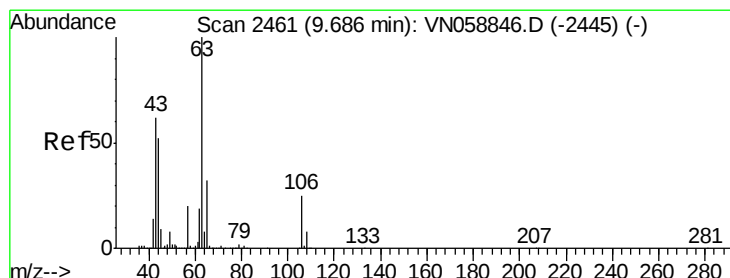
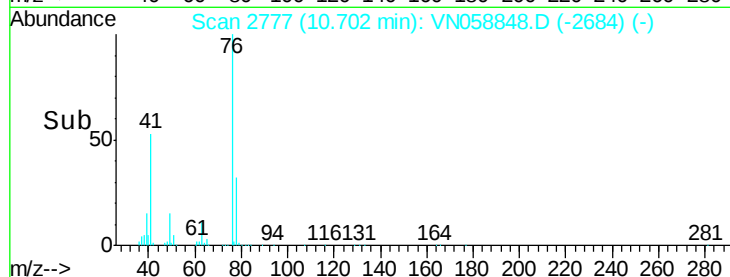
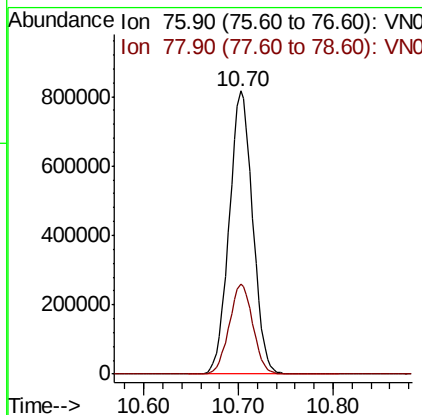
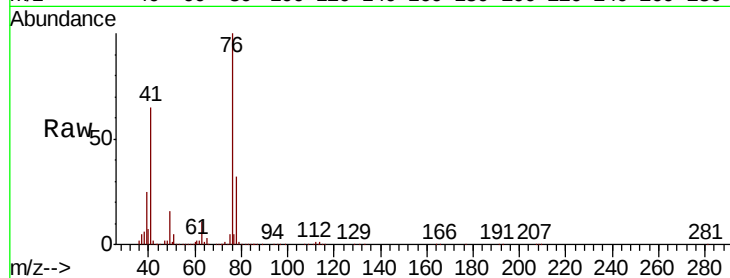
76 100

78 32.0 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 782.529 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058848.D

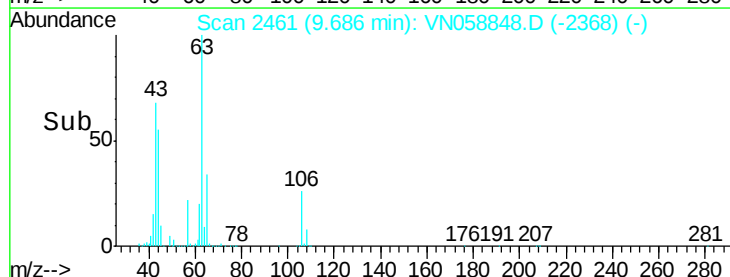
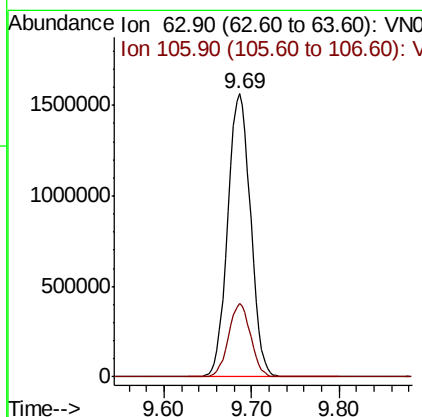
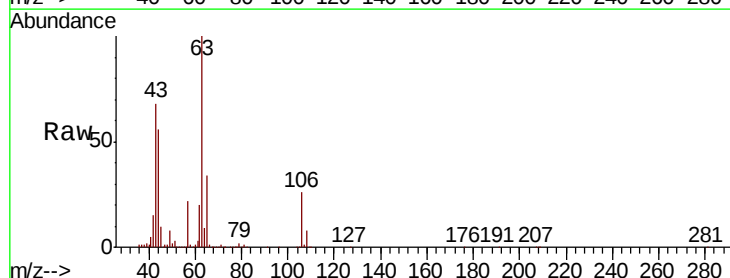
Acq: 18 Oct 2019 10:43

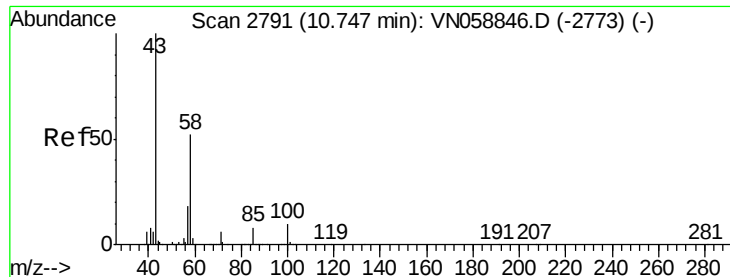
Tgt Ion: 63 Resp: 2832682

Ion Ratio Lower Upper

63 100

106 25.2 19.8 29.8





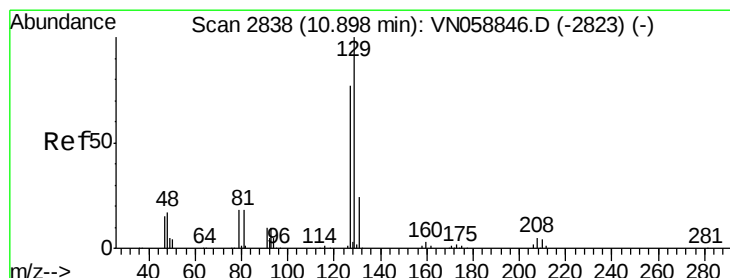
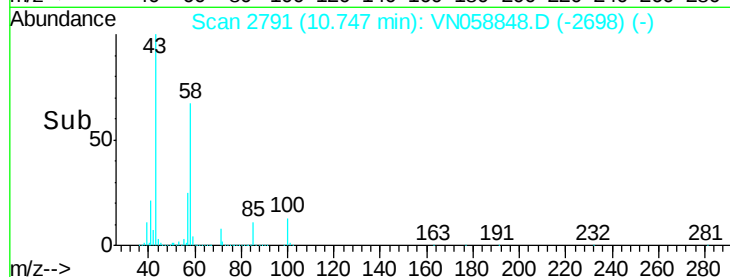
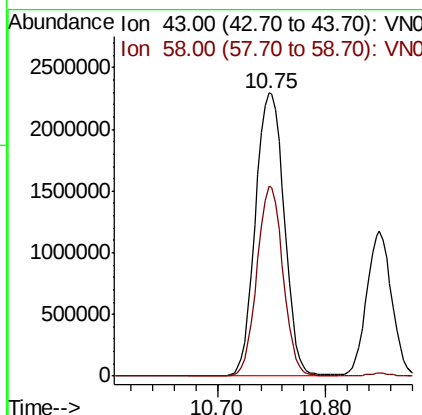
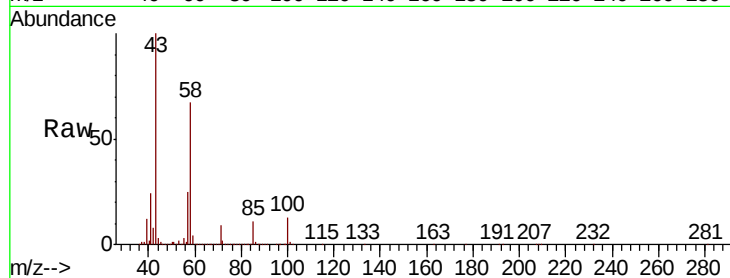
#59
2-Hexanone
Concen: 769.943 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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

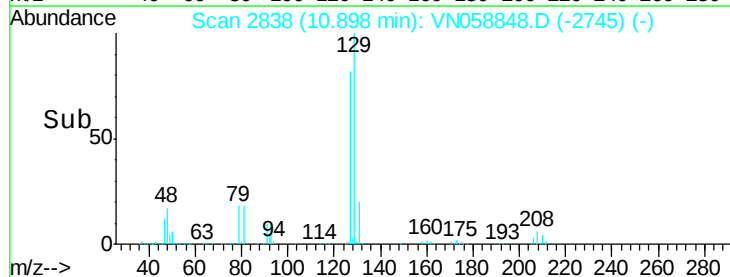
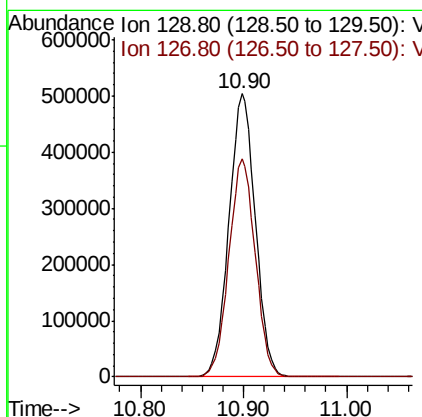
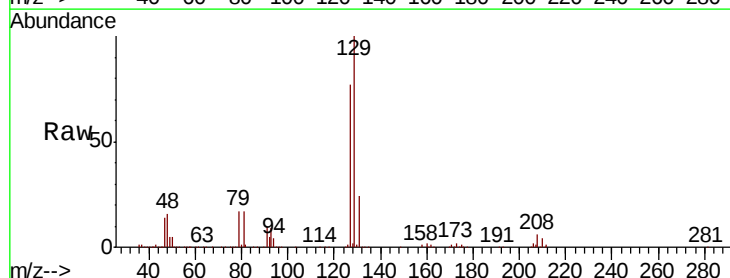
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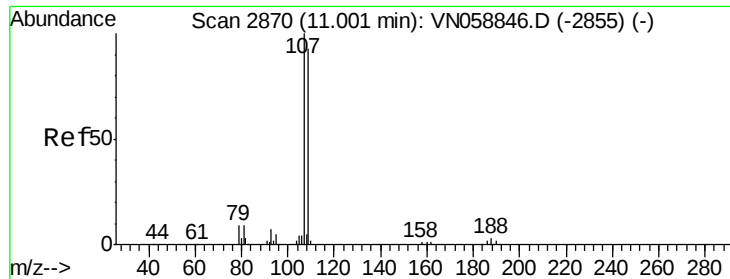
MMDadoda
10/21/2019 10:43:25 AM



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

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





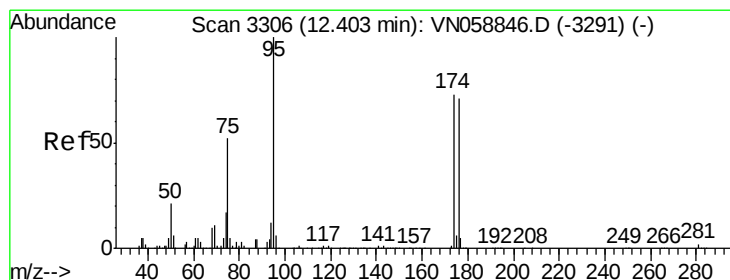
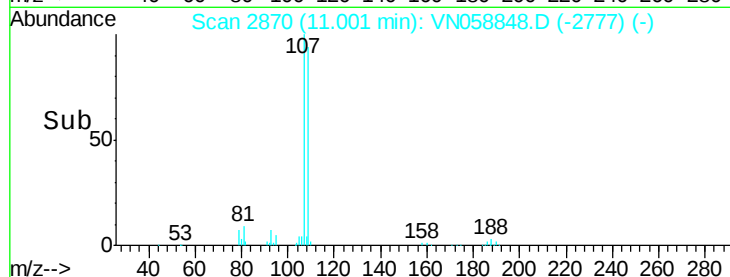
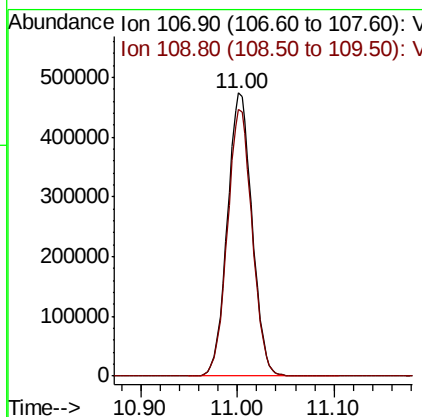
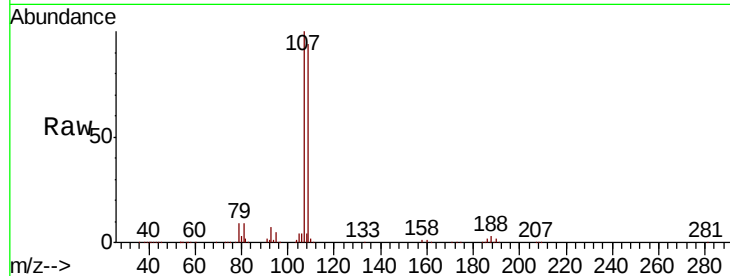
#61
 1,2-Dibromoethane
 Concen: 159.962 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.2	112.8

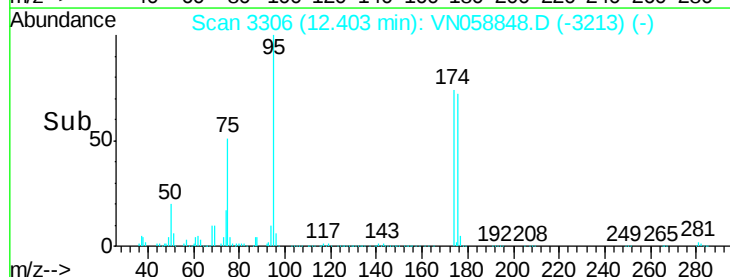
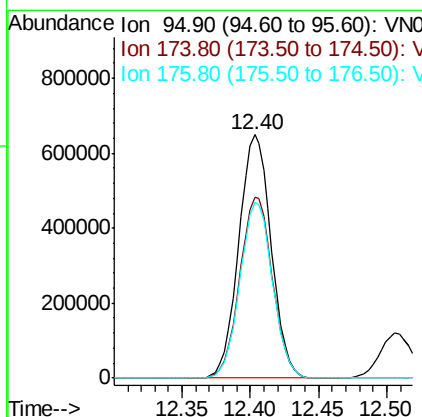
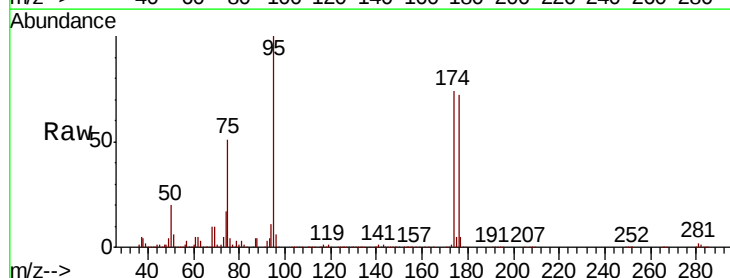
Manual Integrations
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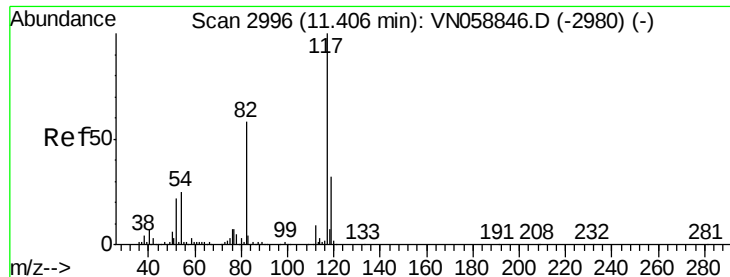
MMDadoda
 10/21/2019 10:43:25 AM



#62
 4-Bromofluorobenzene
 Concen: 159.965 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	147.6
176	72.7	0.0	143.2





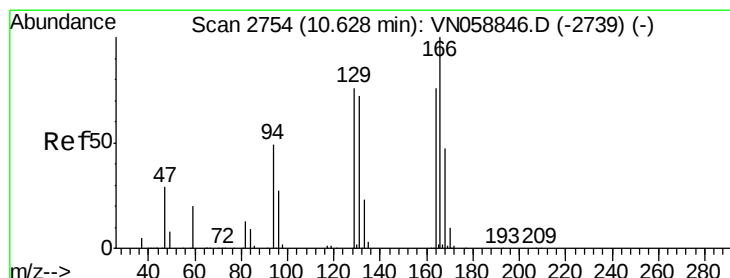
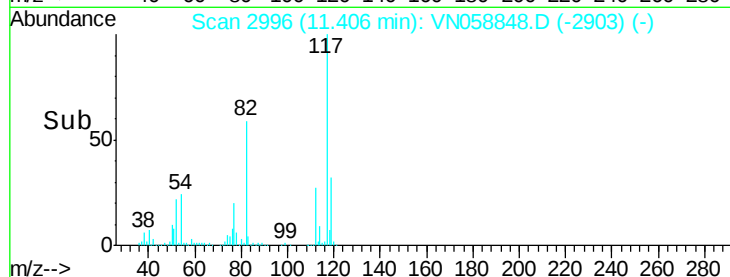
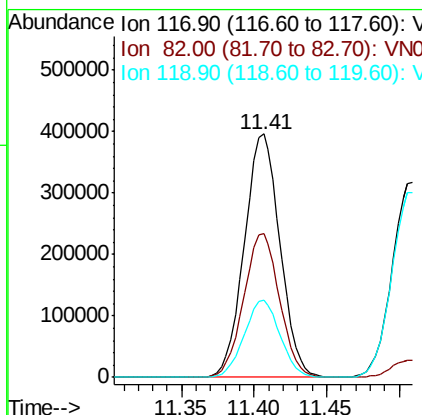
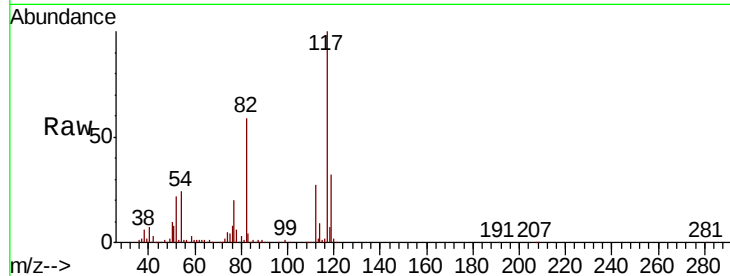
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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

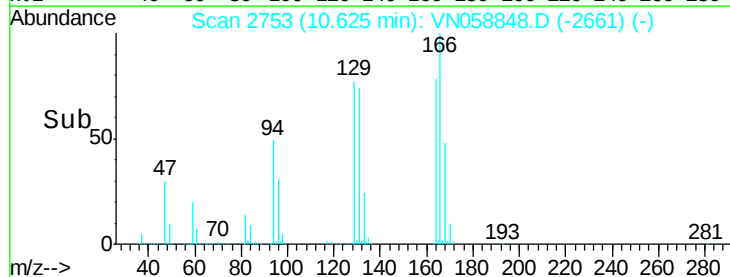
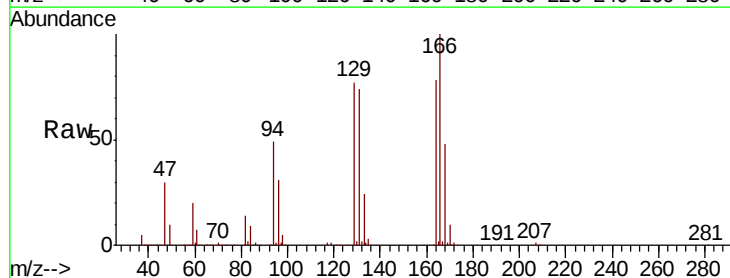
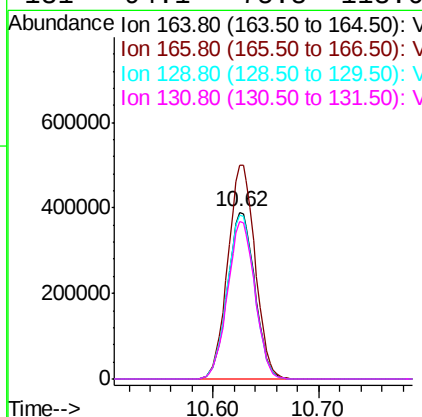
Manual Integrations
APPROVED

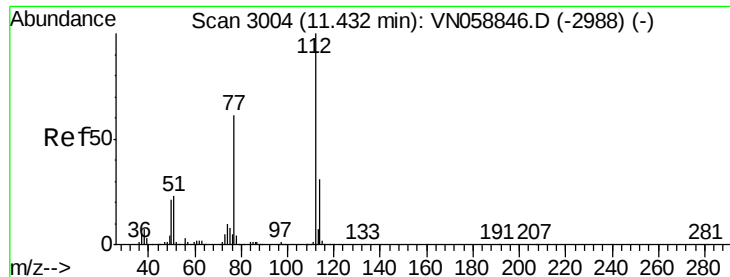
MMDadoda
10/21/2019 10:43:25 AM



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

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





#65

Chlorobenzene

Concen: 152.552 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 2111804

Ion Ratio Lower Upper

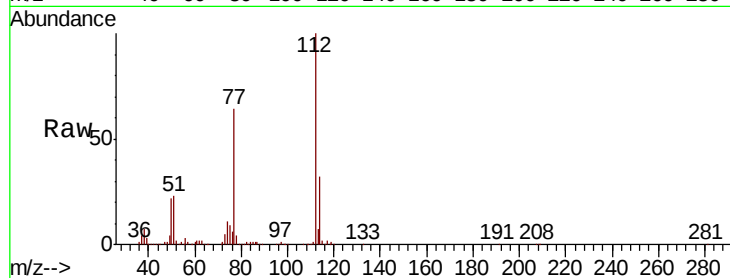
112 100

114 32.3 25.1 37.7

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

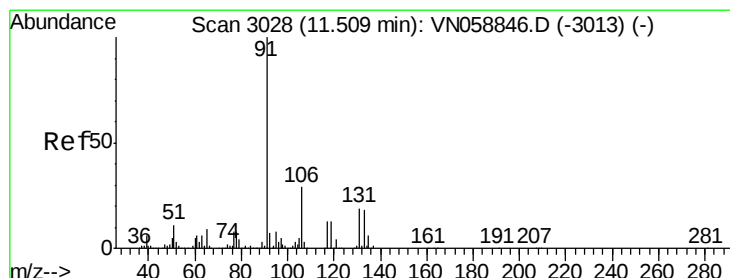
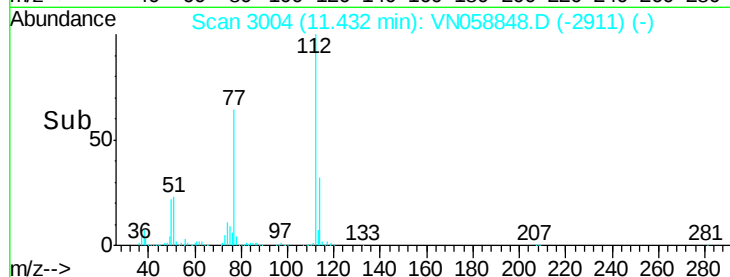
11.43

1000000

500000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 155.417 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

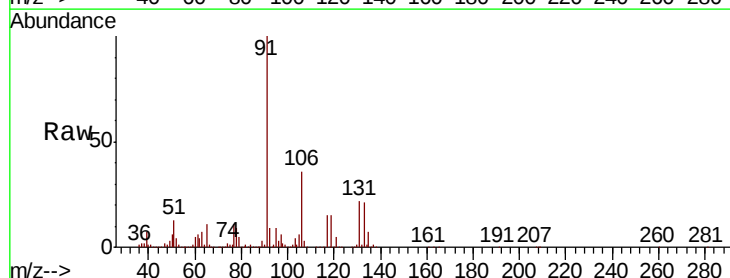
Tgt Ion:131 Resp: 796288

Ion Ratio Lower Upper

131 100

133 95.8 48.4 145.2

119 66.4 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

600000

500000

400000

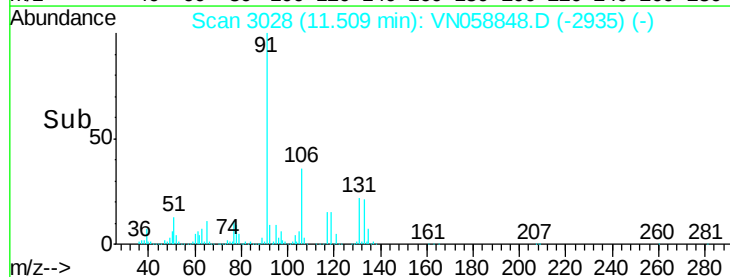
300000

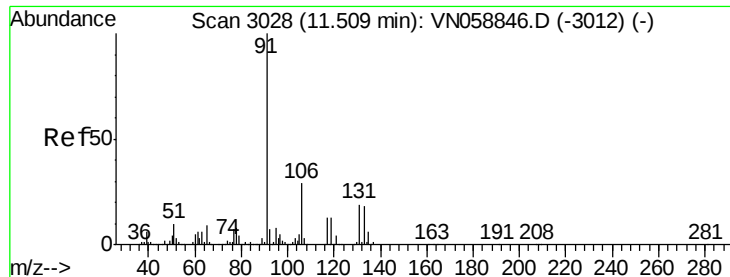
200000

100000

0

Time--> 11.40 11.50 11.60





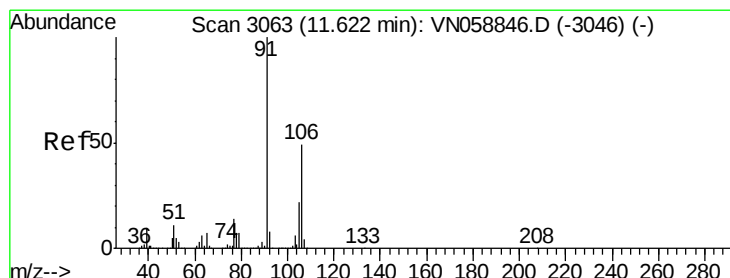
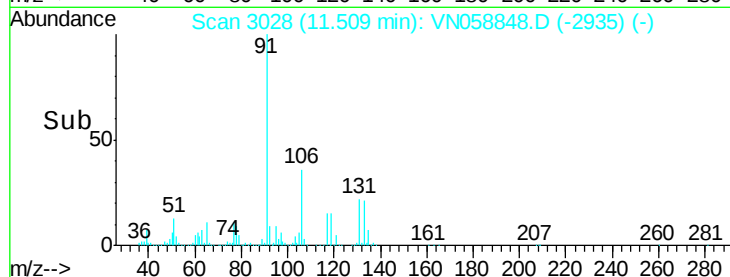
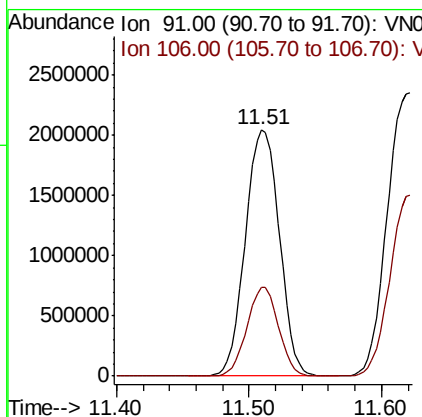
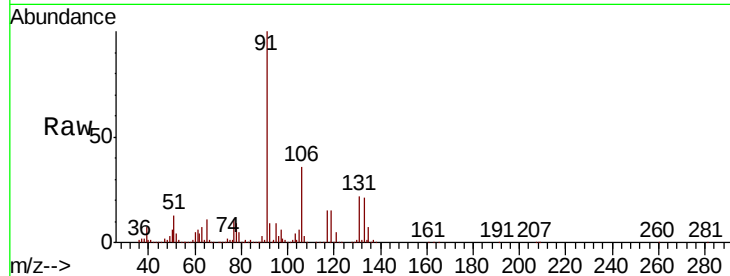
#67
Ethyl Benzene
Concen: 148.133 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3654459
Ion Ratio Lower Upper
91 100
106 36.3 23.4 35.0#

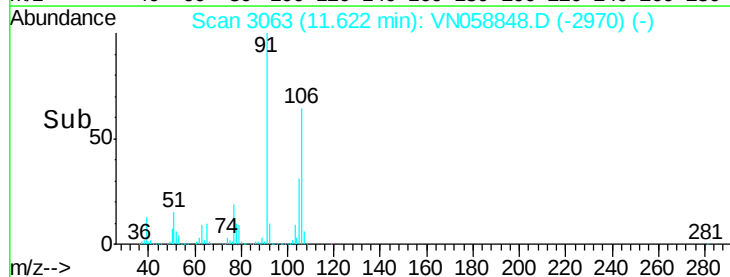
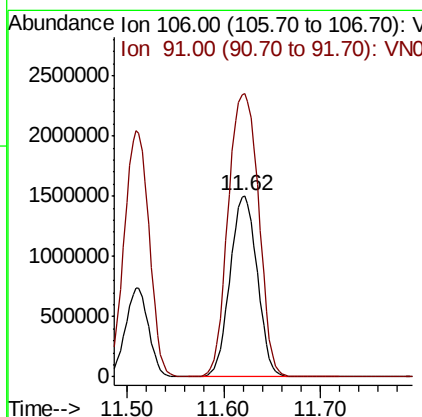
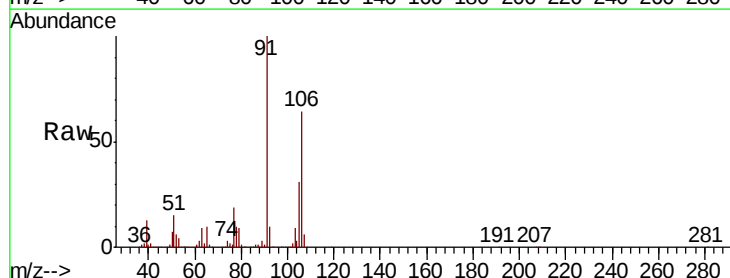
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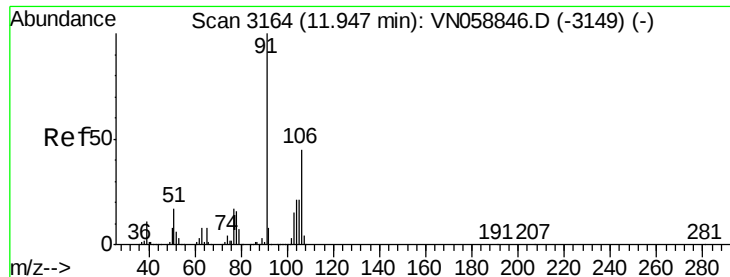
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#68
m/p-Xylenes
Concen: 316.281 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 106 Resp: 2927144
Ion Ratio Lower Upper
106 100
91 175.6 166.6 249.8





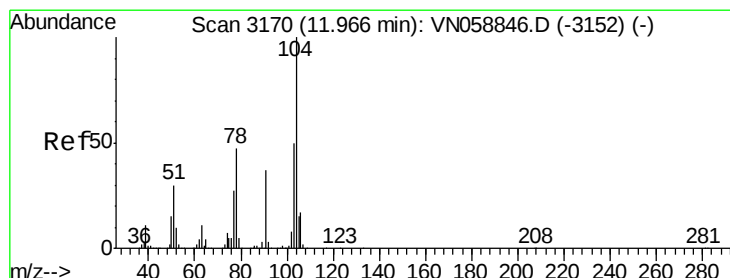
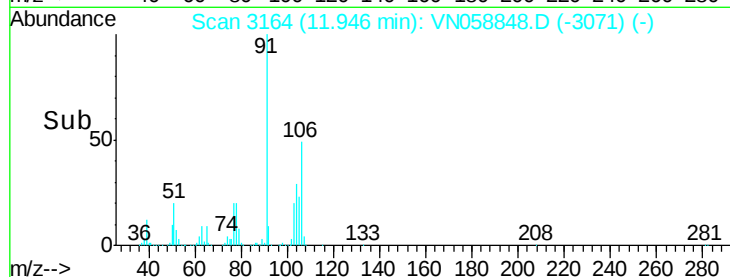
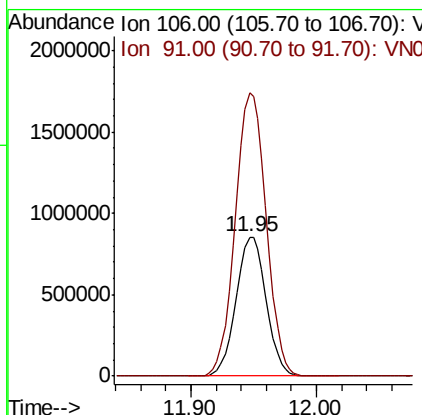
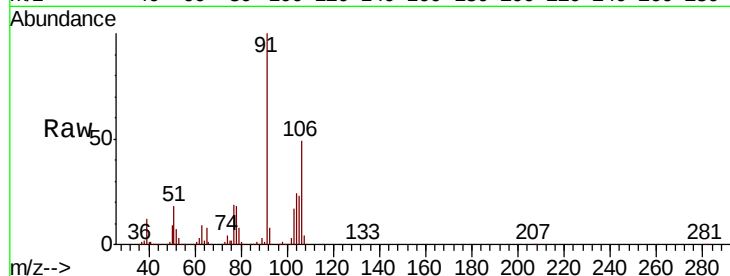
#69
o-Xylene
Concen: 159.160 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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

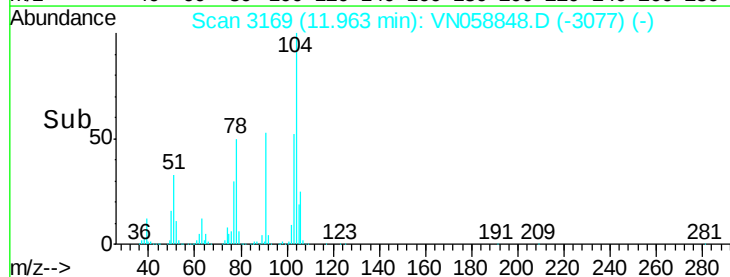
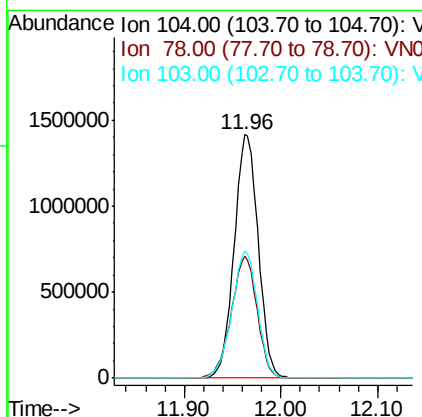
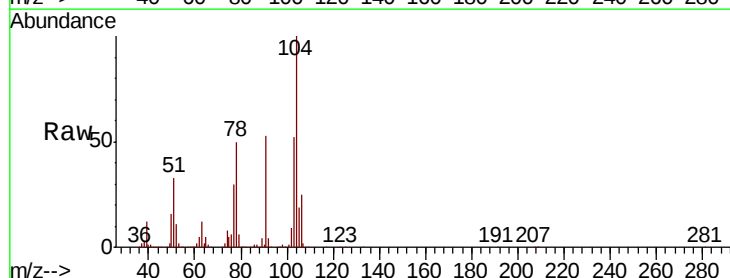
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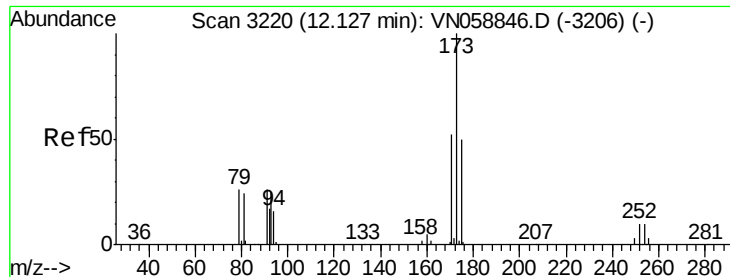
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#70
Styrene
Concen: 166.837 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

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





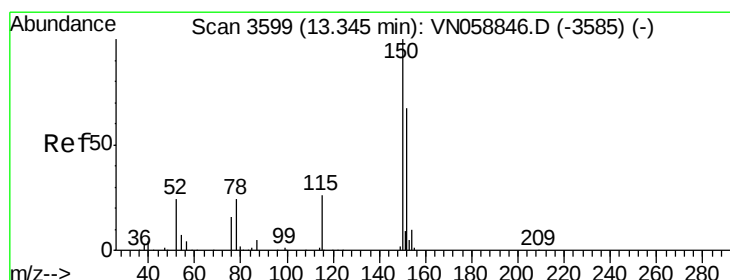
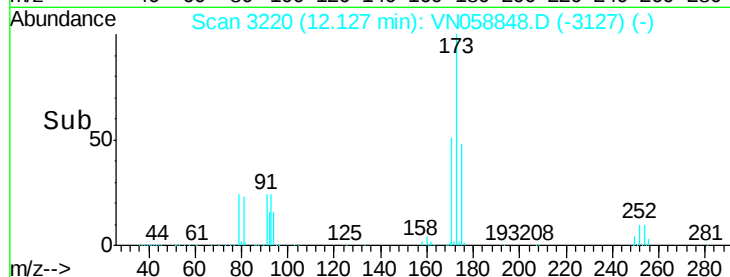
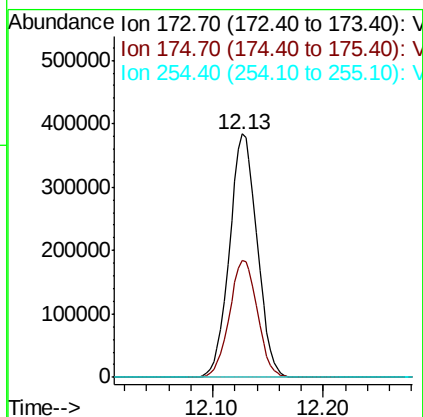
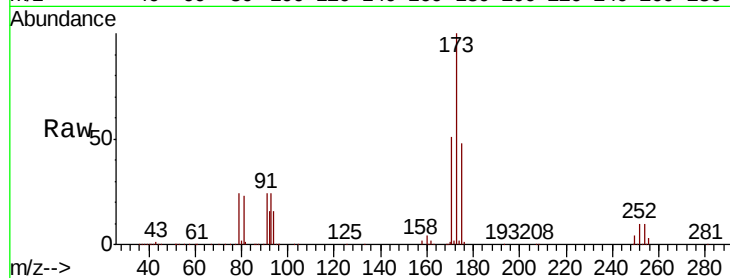
#71
Bromoform
Concen: 176.166 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.1	0.0	0.0#

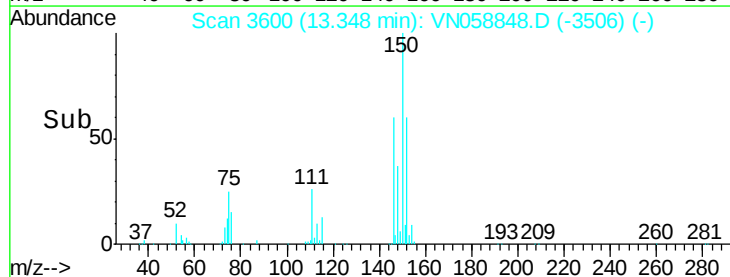
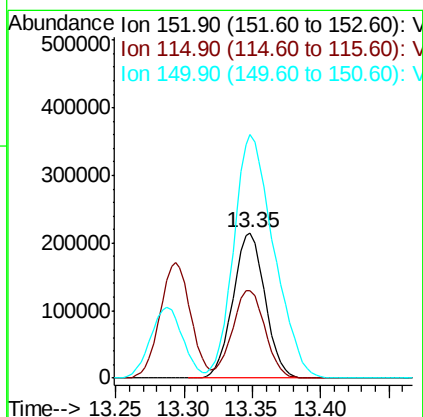
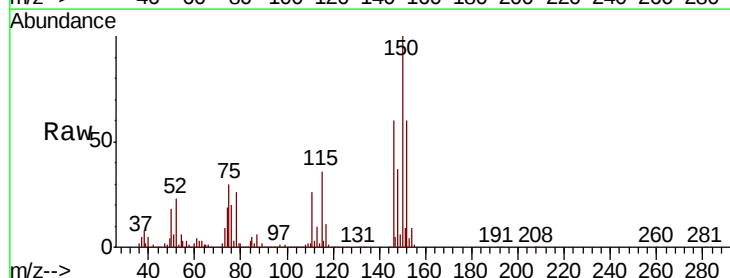
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.5	91.5
150	208.5	0.0	344.4





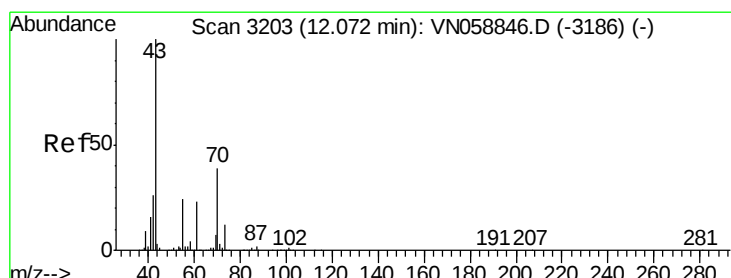
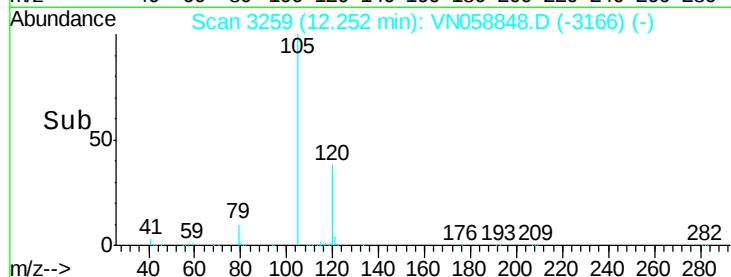
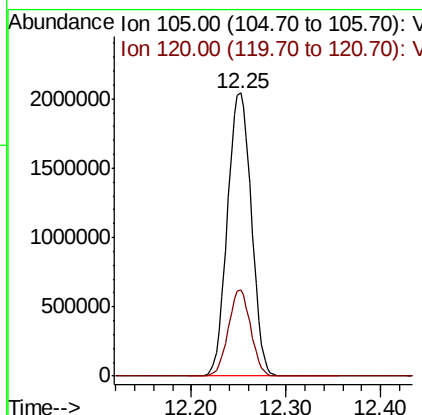
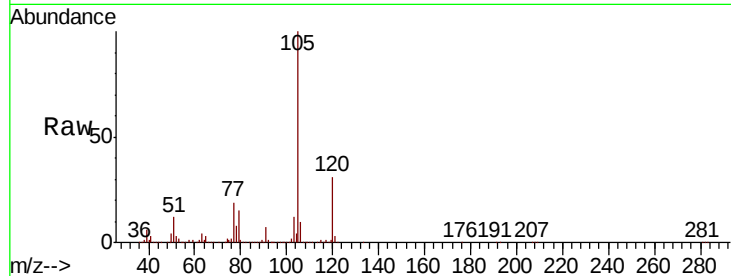
#73
Isopropylbenzene
Concen: 140.074 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 3587471
Ion Ratio Lower Upper
105 100
120 28.5 12.8 38.4

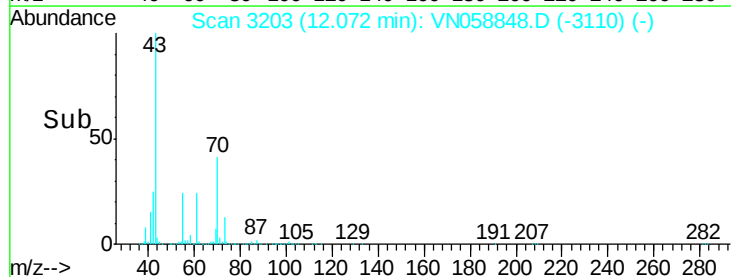
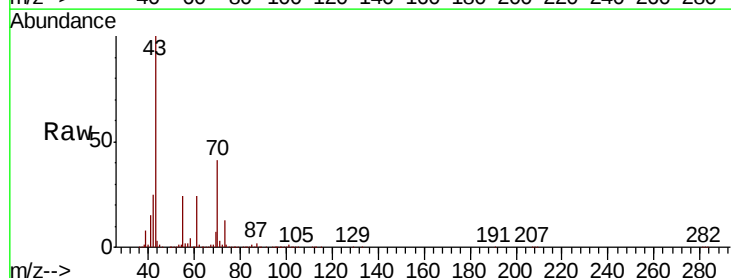
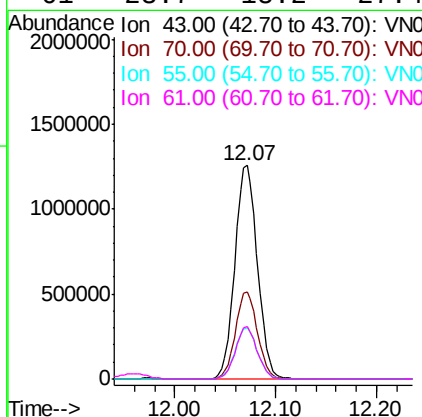
Manual Integrations
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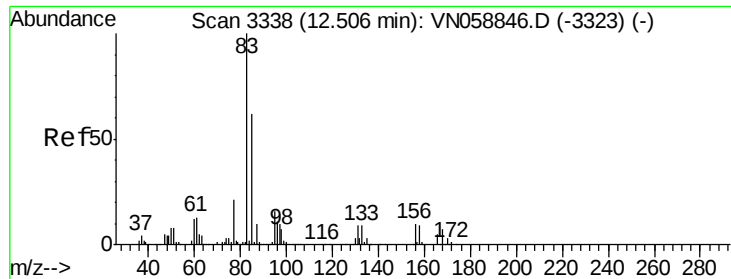
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#74
N-ethyl acetate
Concen: 167.577 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion: 43 Resp: 1943671
Ion Ratio Lower Upper
43 100
70 40.2 30.9 46.3
55 23.8 19.7 29.5
61 23.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 150.358 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1278769

Ion Ratio Lower Upper

83 100

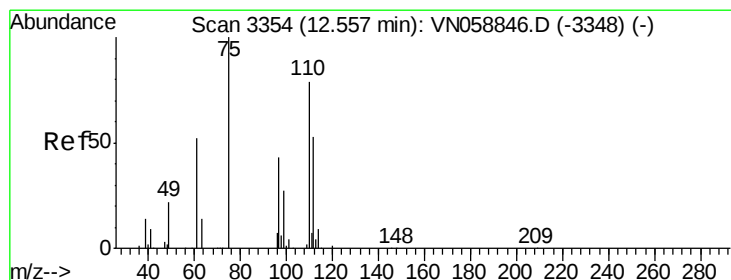
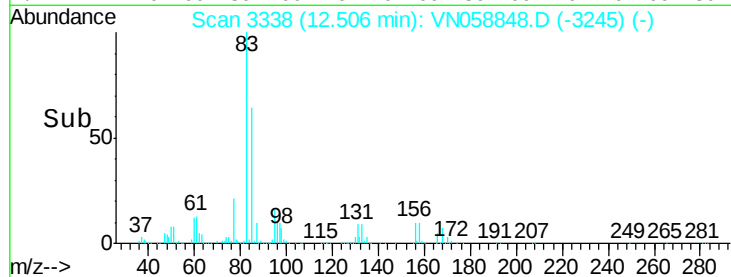
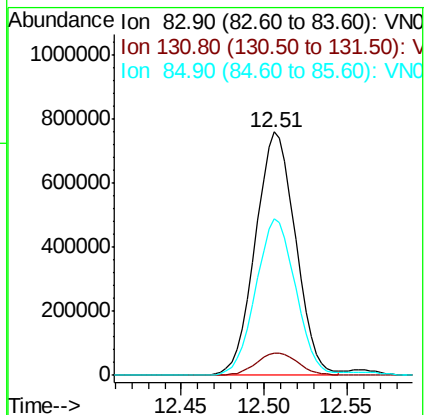
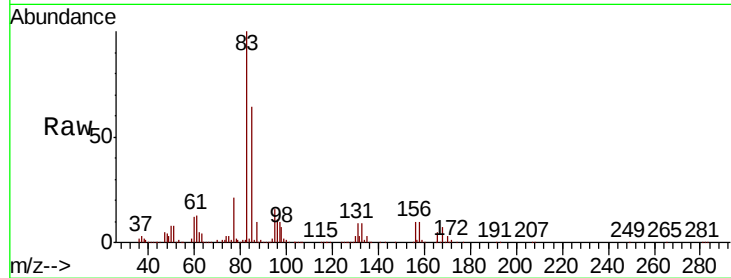
131 9.7 4.7 14.1

85 64.2 31.7 95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 142.666 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058848.D

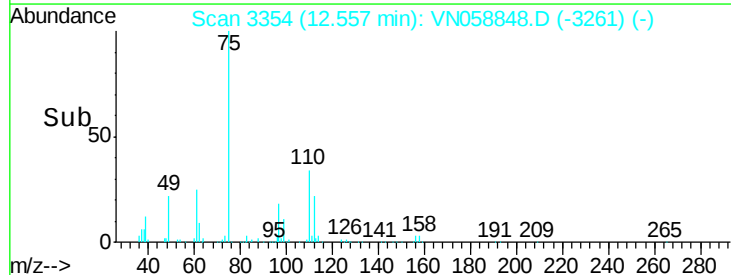
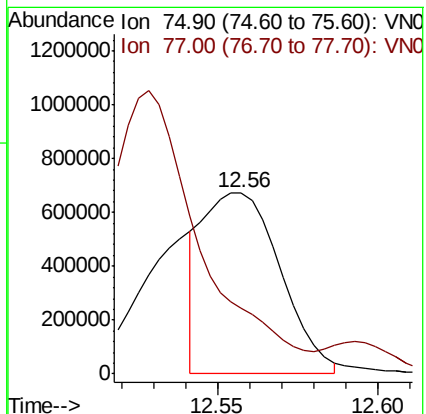
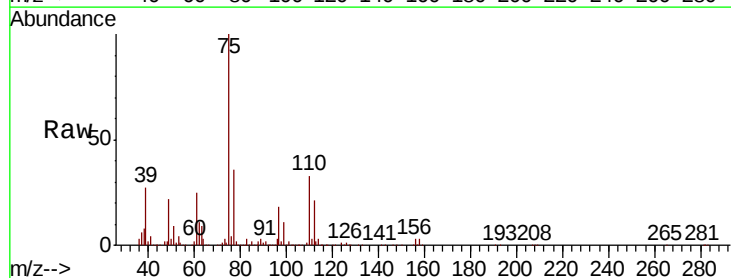
Acq: 18 Oct 2019 10:43

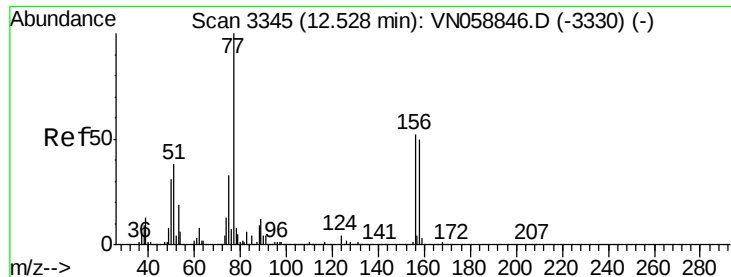
Tgt Ion: 75 Resp: 1127175

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 147.252 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 919008

Ion Ratio Lower Upper

156 100

77 234.9 118.0 354.0

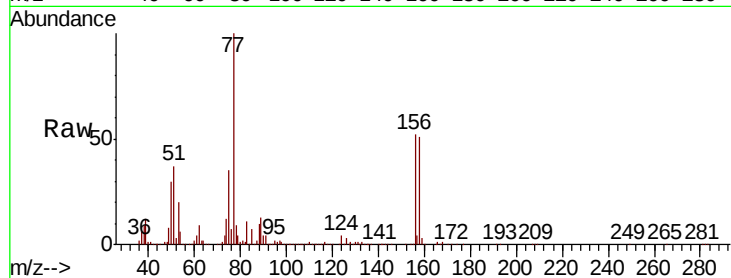
158 97.1 48.3 144.8

Manual Integrations

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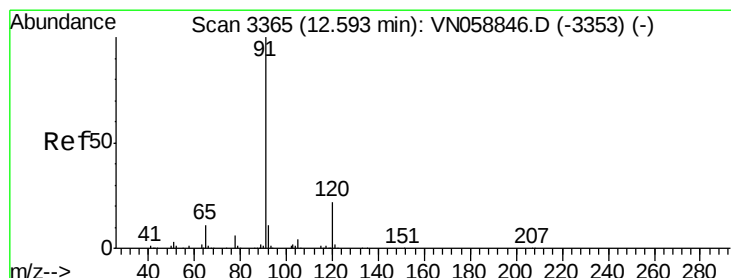
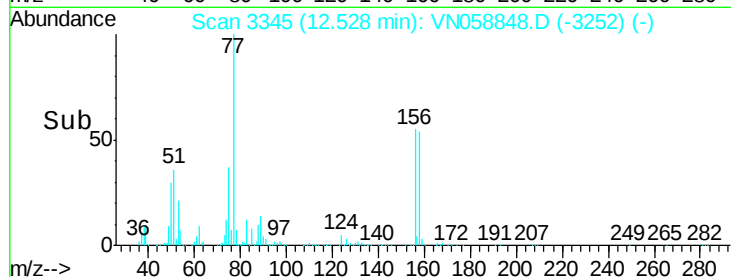
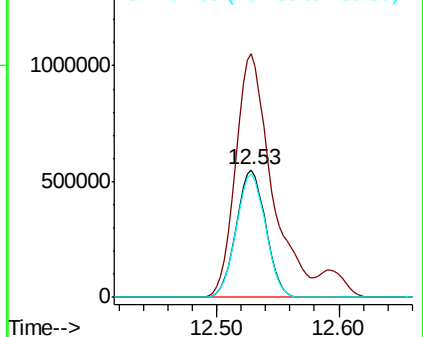
10/21/2019 10:43:25 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 136.384 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058848.D

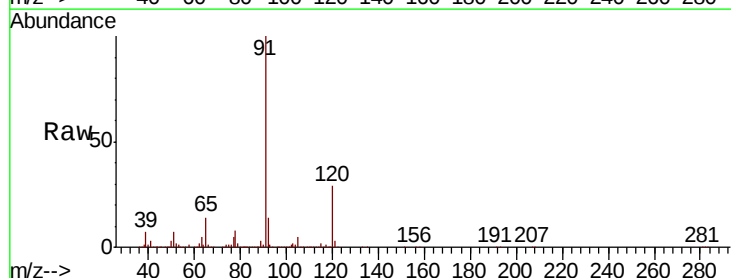
Acq: 18 Oct 2019 10:43

Tgt Ion: 91 Resp: 4075675

Ion Ratio Lower Upper

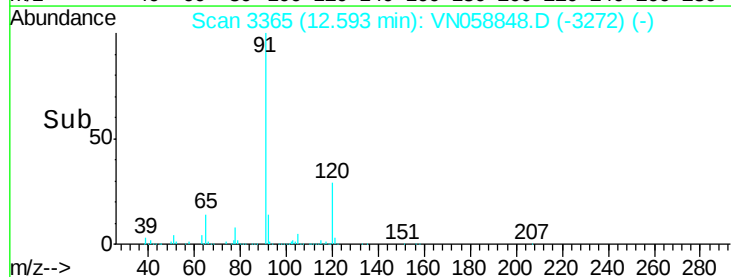
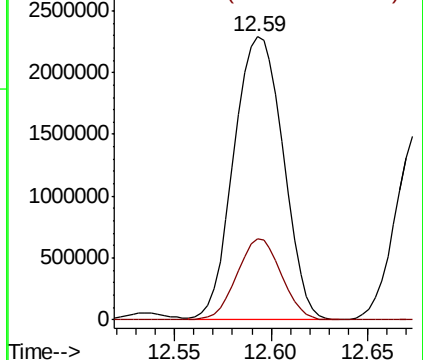
91 100

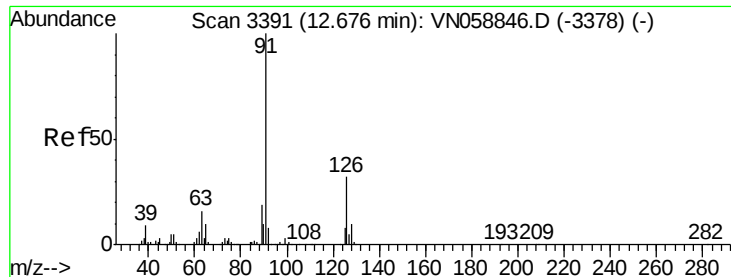
120 25.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 143.711 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2664951

Ion Ratio Lower Upper

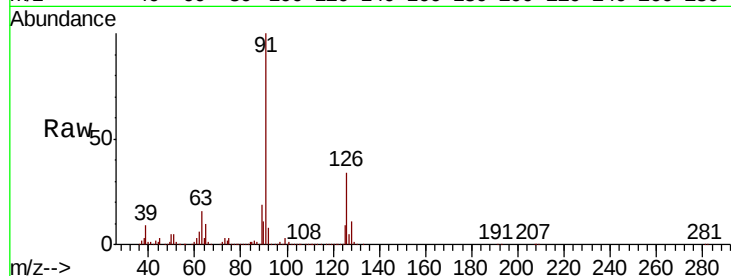
91 100

126 33.5 16.2 48.6

Manual Integrations
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10/21/2019 10:43:25 AM



Abundance Ion 91.00 (90.70 to 91.70): VN058848.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058848.D (-3378) (-)

2500000

2000000

1500000

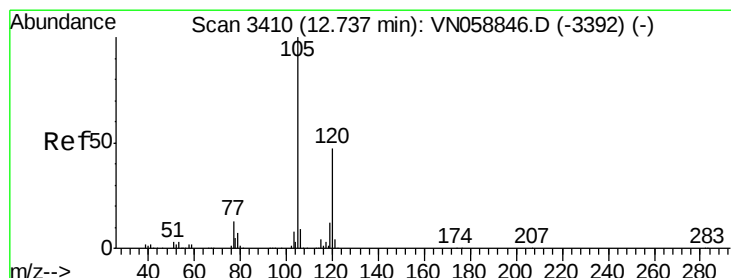
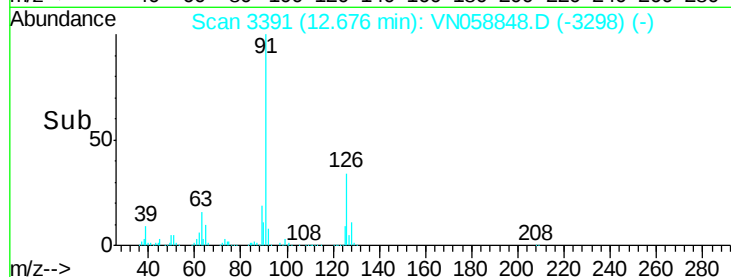
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 145.099 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058848.D

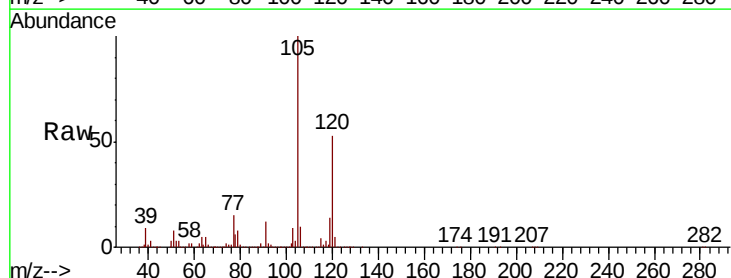
Acq: 18 Oct 2019 10:43

Tgt Ion:105 Resp: 3172582

Ion Ratio Lower Upper

105 100

120 50.8 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058848.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058848.D (-3392) (-)

2000000

1500000

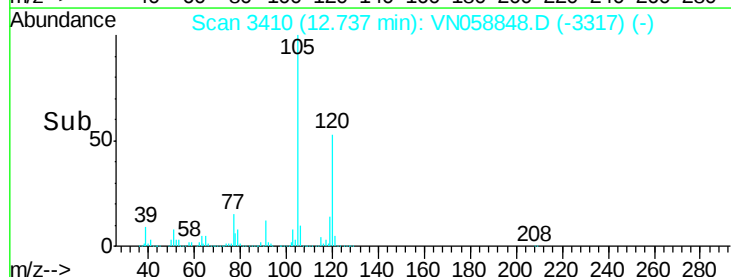
1000000

500000

0

12.70 12.80

Time-->





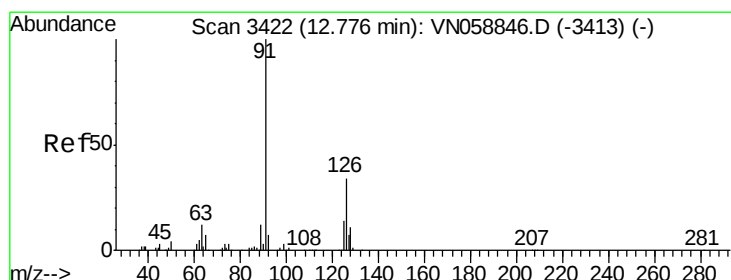
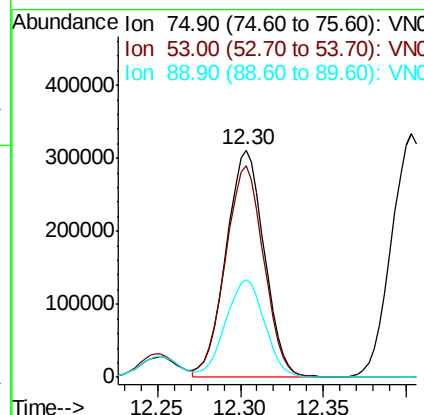
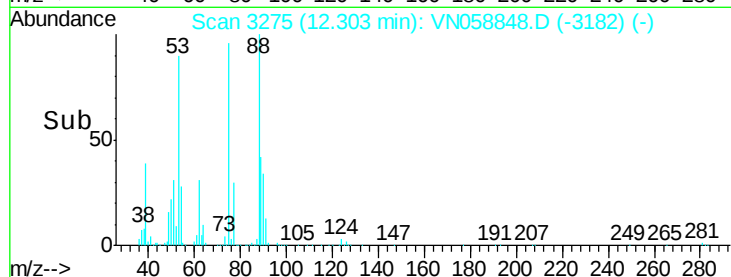
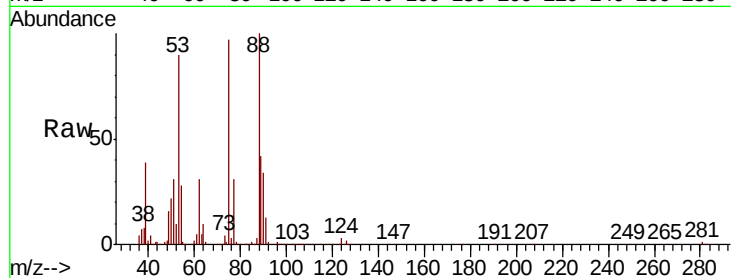
#81
trans-1,4-Dichloro-2-butene
Concen: 168.448 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.2	78.6	118.0
89	44.3	35.4	53.0

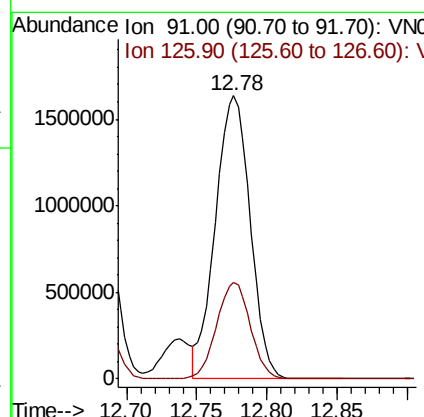
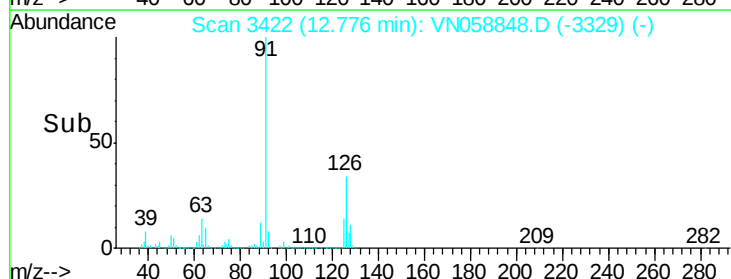
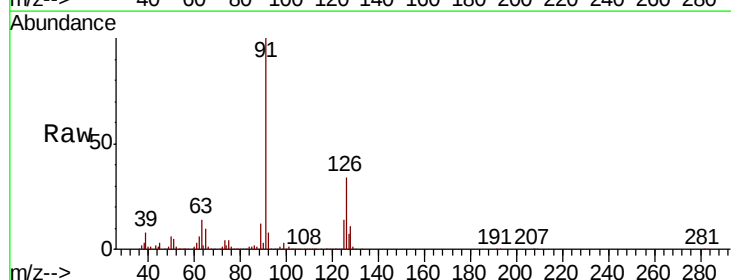
Manual Integrations
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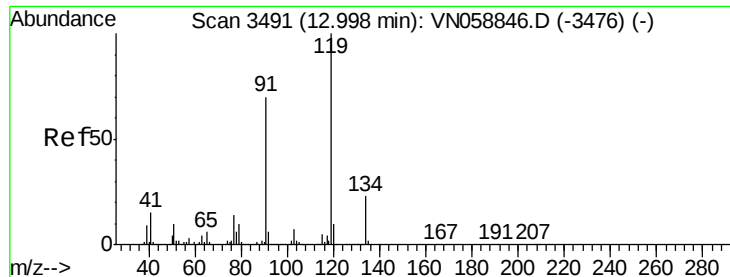
MMDadoda
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#82
4-Chlorotoluene
Concen: 146.918 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.0	47.9





#83

tert-Butylbenzene

Concen: 148.100 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 2773433

Ion Ratio Lower Upper

119 100

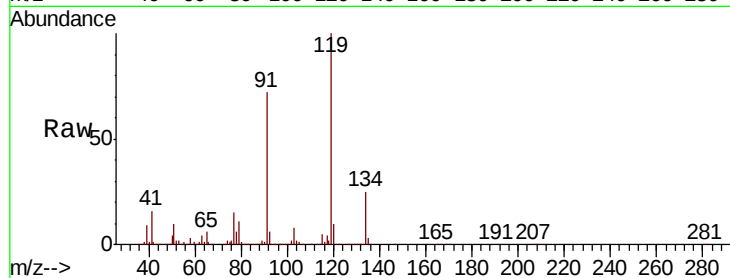
91 69.1 34.1 102.3

134 23.9 11.6 34.8

Manual Integrations
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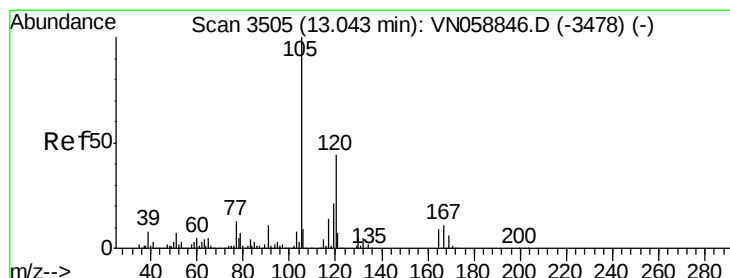
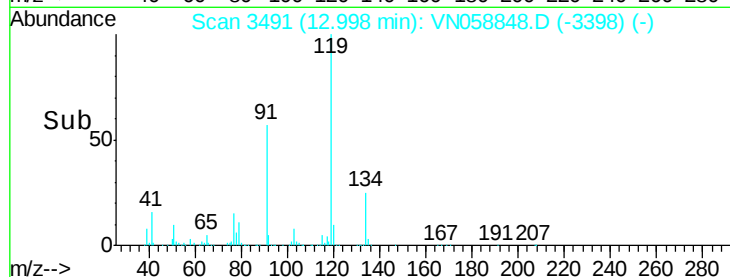
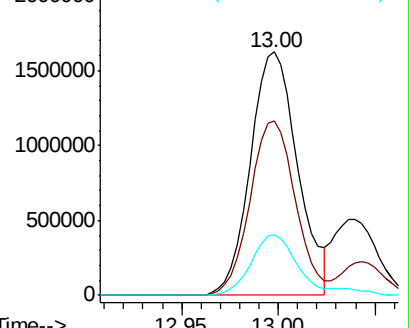
10/21/2019 10:43:25 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 146.064 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058848.D

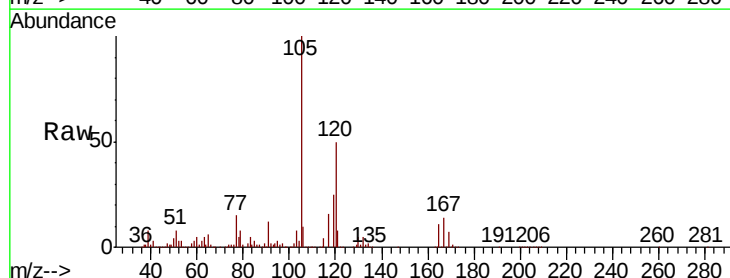
Acq: 18 Oct 2019 10:43

Tgt Ion:105 Resp: 3174823

Ion Ratio Lower Upper

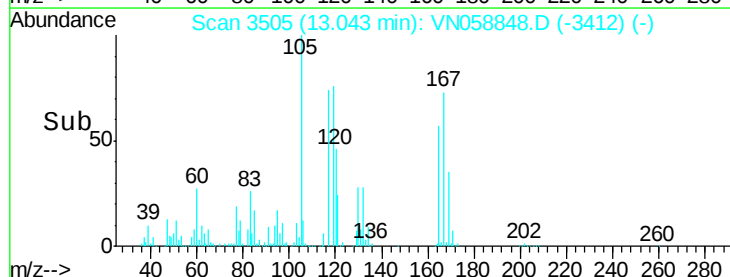
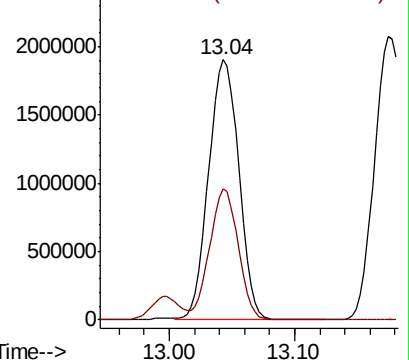
105 100

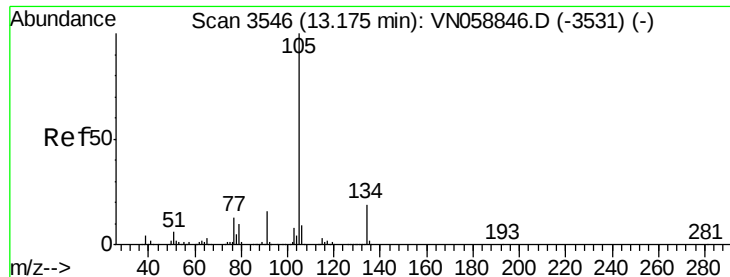
120 47.9 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 144.495 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3569280

Ion Ratio Lower Upper

105 100

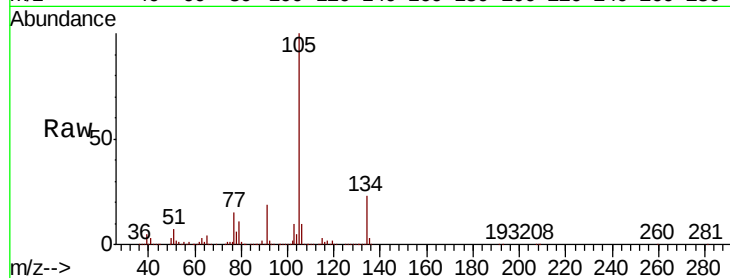
134 21.2 9.4 28.2

Manual Integrations

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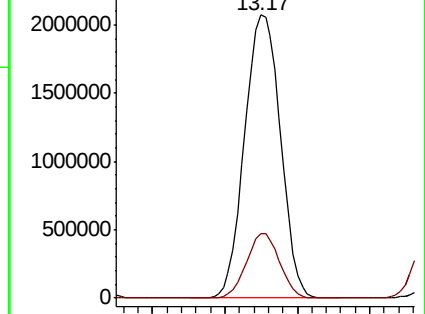
MMDadoda

10/21/2019 10:43:25 AM

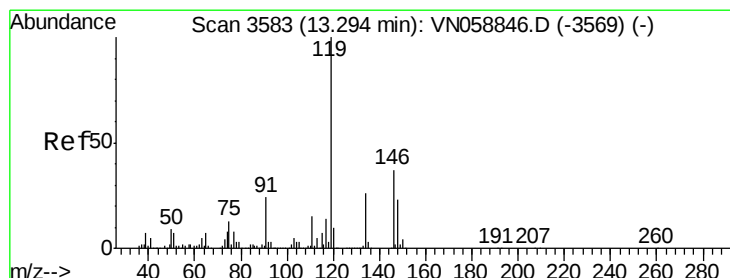
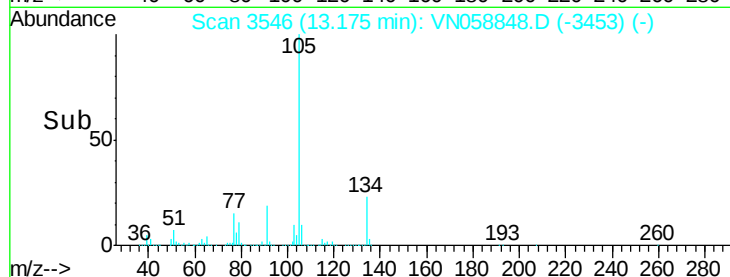


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 146.765 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

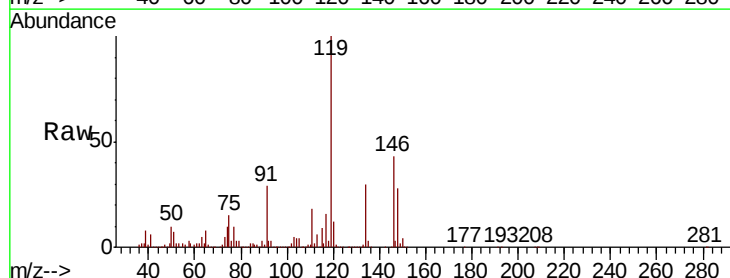
Tgt Ion:119 Resp: 3286609

Ion Ratio Lower Upper

119 100

134 28.2 12.8 38.4

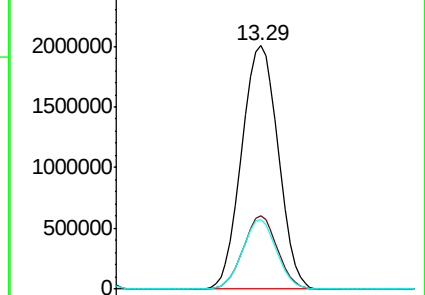
91 26.6 12.2 36.4



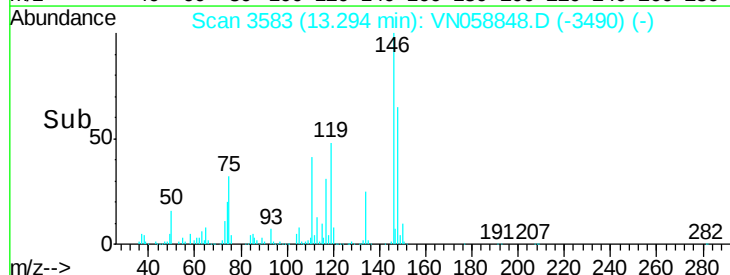
Abundance Ion 119.00 (118.70 to 119.70): V

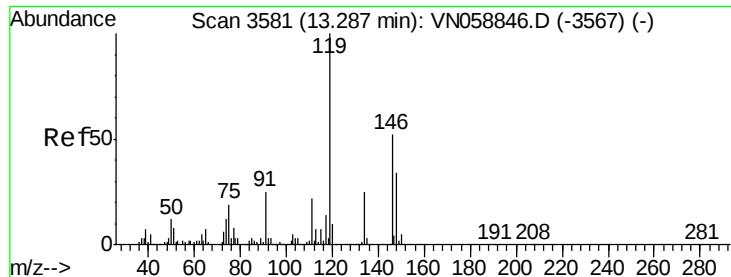
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 150.120 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

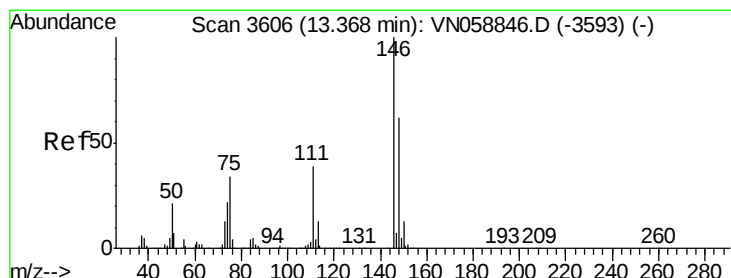
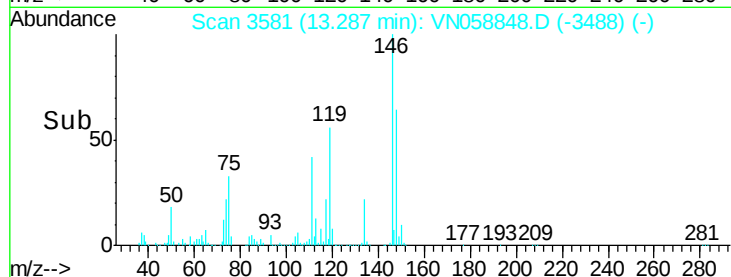
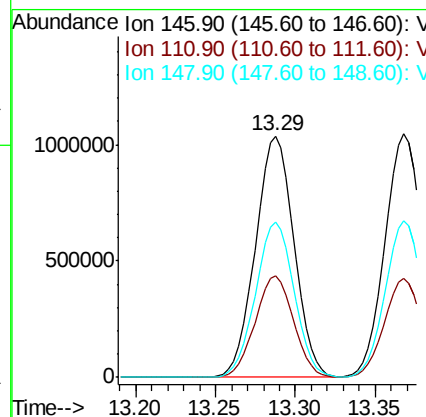
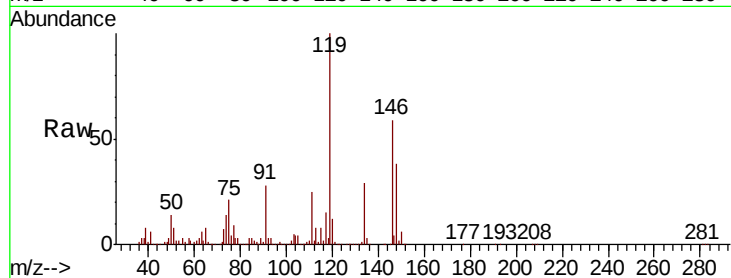
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	64.3	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 147.473 ug/l

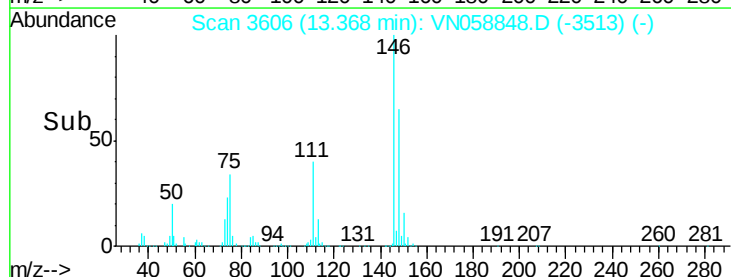
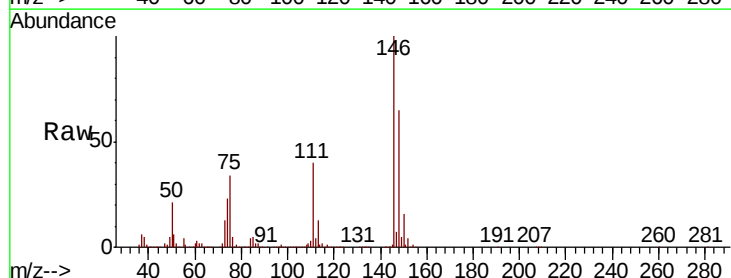
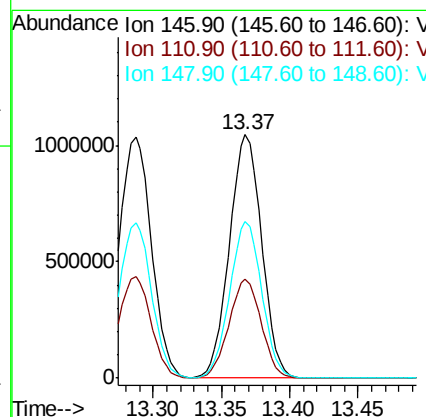
RT: 13.37 min Scan# 3606

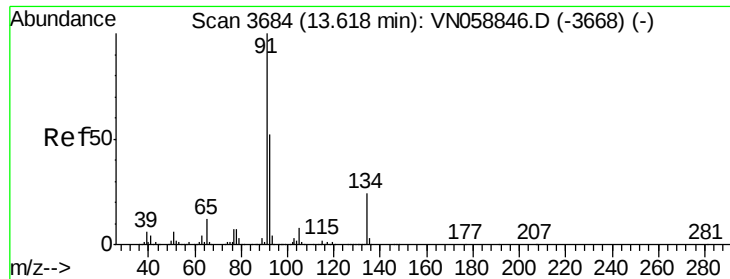
Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	63.8	31.6	94.7





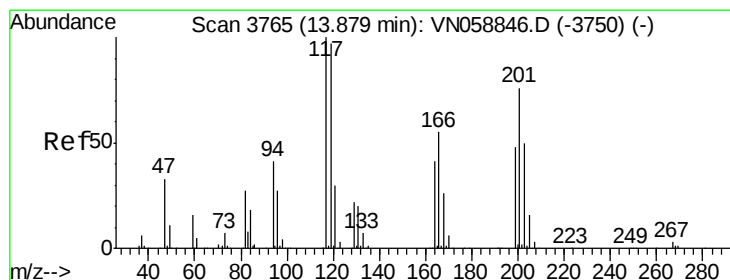
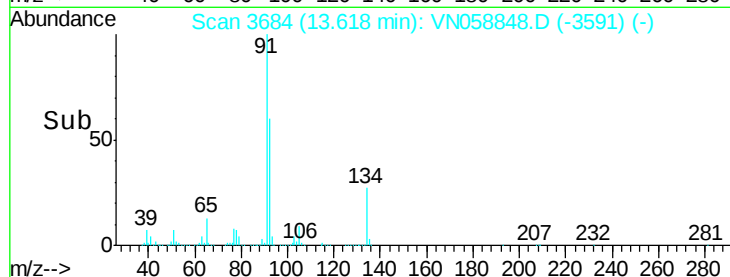
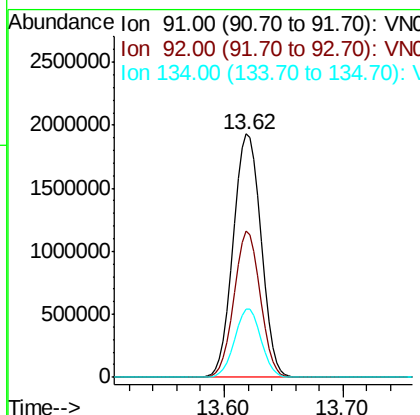
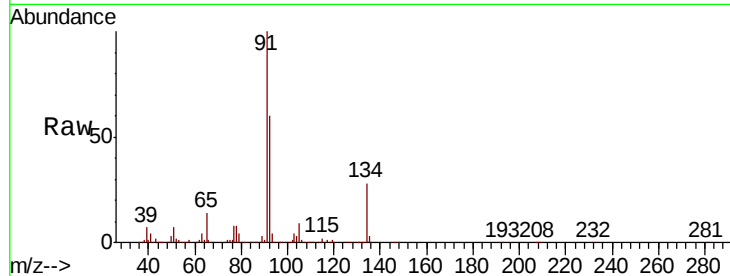
#89
n-Butylbenzene
Concen: 151.418 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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

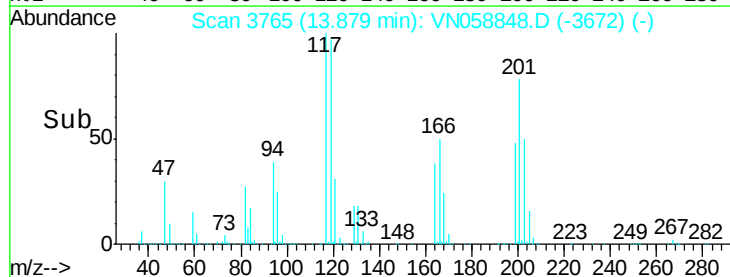
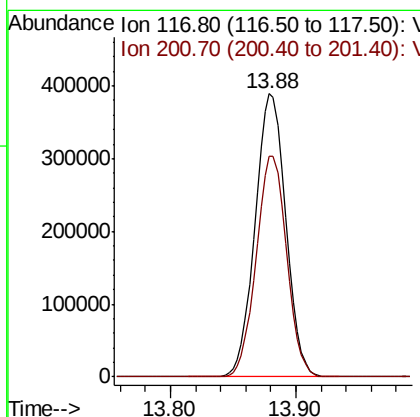
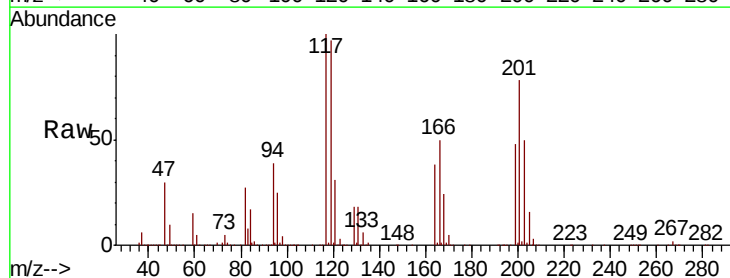
Manual Integrations
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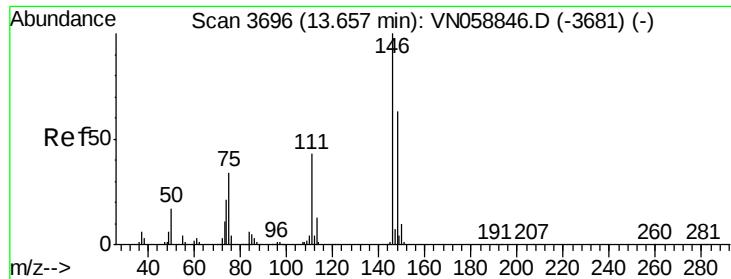
MMDadoda
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#90
Hexachloroethane
Concen: 163.619 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058848.D
Acq: 18 Oct 2019 10:43

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





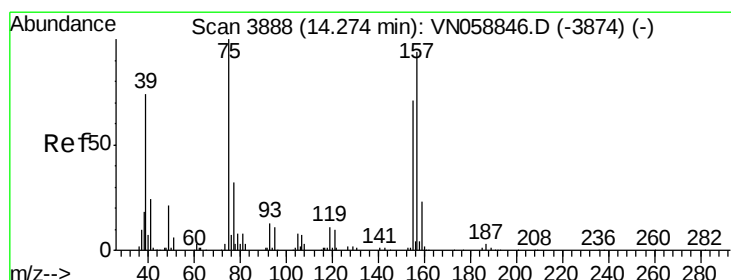
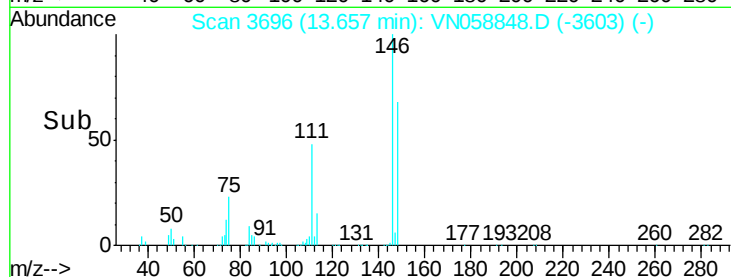
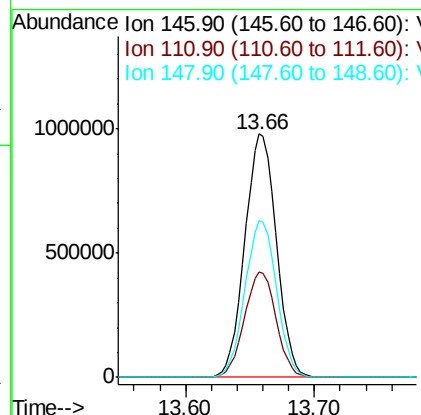
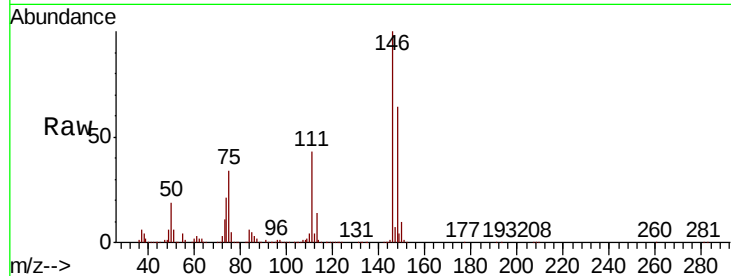
#91
 1,2-Dichlorobenzene
 Concen: 149.431 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

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

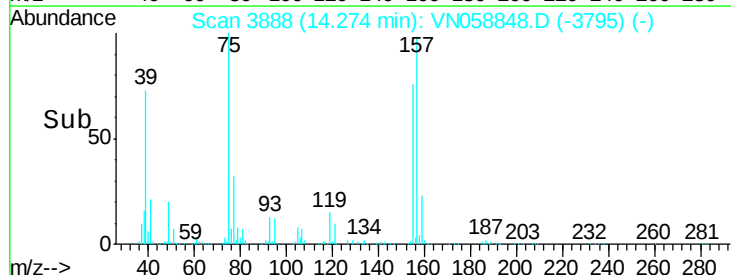
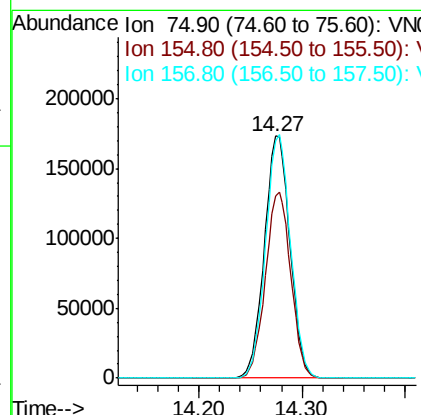
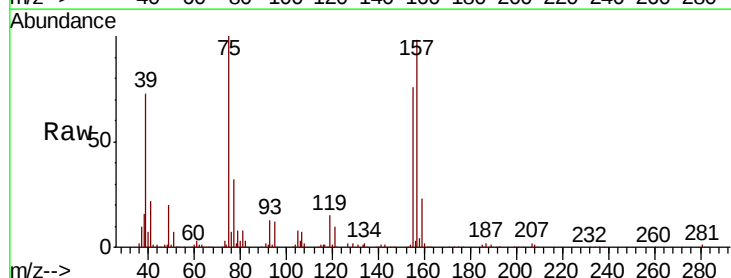
Manual Integrations
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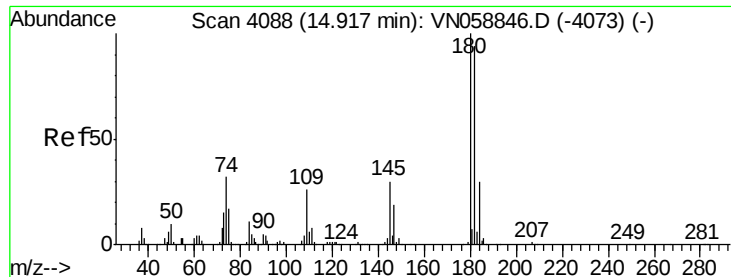
MMDadoda
 10/21/2019 10:43:25 AM



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

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





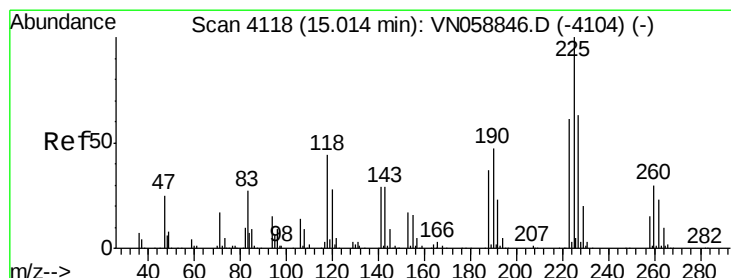
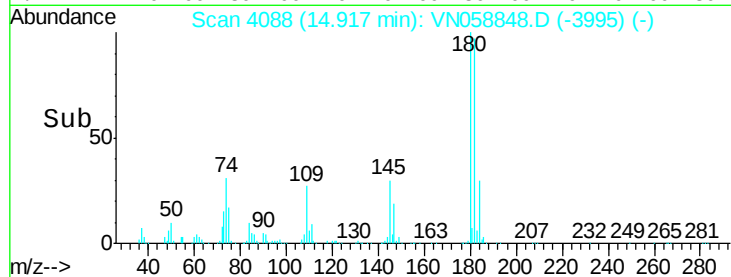
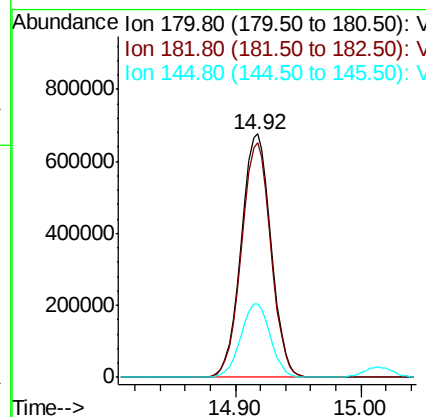
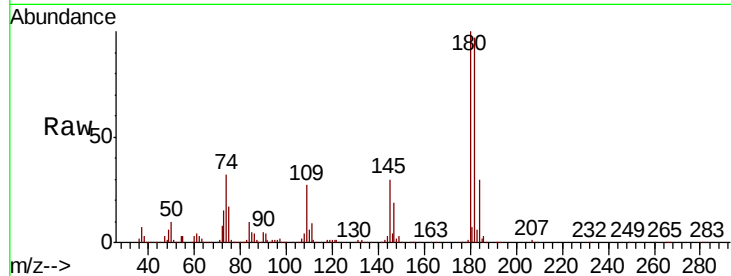
#93
 1,2,4-Trichlorobenzene
 Concen: 164.149 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058848.D
 Acq: 18 Oct 2019 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

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

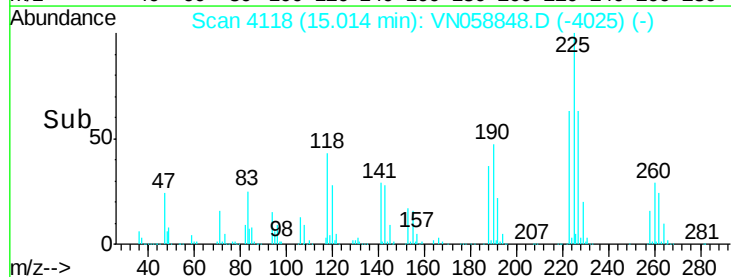
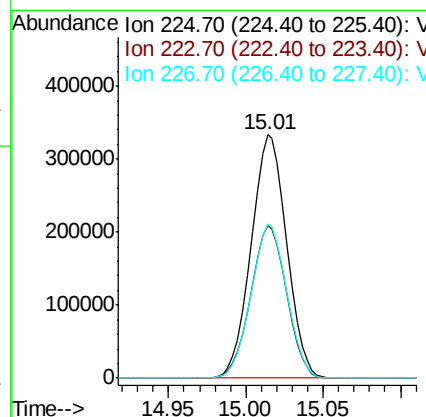
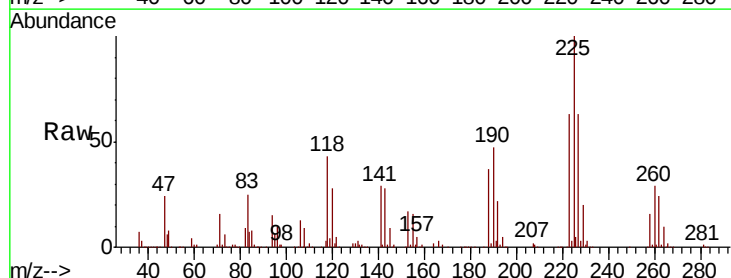
Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:43:25 AM



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

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





#95

Naphthalene

Concen: 161.691 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3139766

Ion Ratio Lower Upper

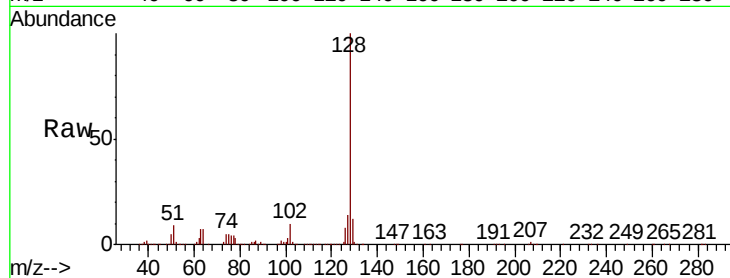
128 100

127 13.3 10.2 15.2

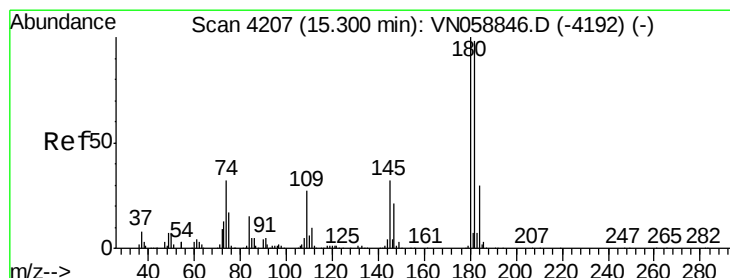
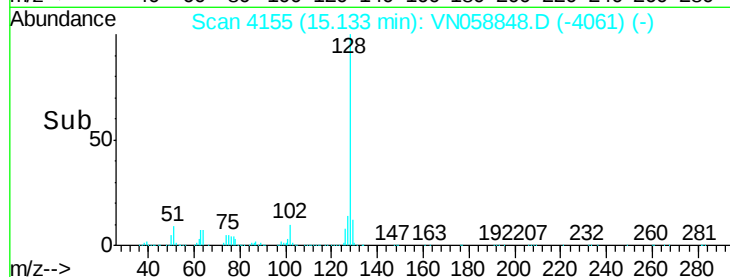
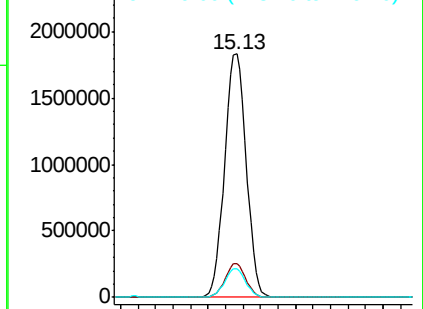
129 11.3 8.4 12.6

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:25 AM



Abundance Ion 128.00 (127.70 to 128.70): V
2500000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 162.752 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058848.D

Acq: 18 Oct 2019 10:43

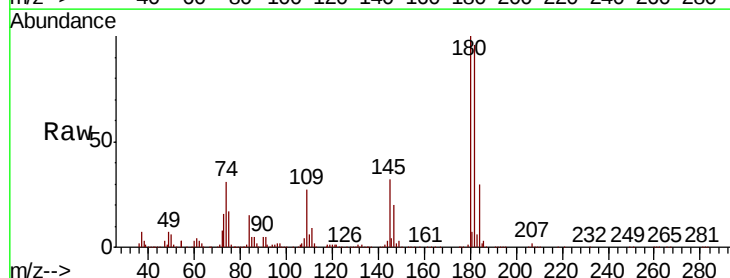
Tgt Ion:180 Resp: 1078108

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 32.2 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V
800000 Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

