

Data File : VV008858.D
Acq On : 06 Dec 2018 13:53
Operator : SY/MD
Sample : VSTD10065
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Quant Time: Dec 07 00:34:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	273325	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	243054	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	114555	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	286378	96.52	ug/L	0.00
7) Chloroethane-d5	1.57	69	201621	93.10	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	684852	96.70	ug/L	0.00
20) 2-Butanone-d5	3.93	46	202603	229.21	ug/L	0.00
24) Chloroform-d	4.40	84	660733	102.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	360431	105.86	ug/L	0.00
29) Benzene-d6	5.10	84	1327870	100.78	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	375525	102.97	ug/L	0.00
37) Toluene-d8	7.36	98	1258843	103.15	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	187809	118.31	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	149935	240.07	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	318284	107.49	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	397184	101.47	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	360641	87.734	ug/L	99
3) Chloromethane	1.25	50	269476	87.971	ug/L	99
5) Vinyl chloride	1.32	62	305868	89.445	ug/L	99
6) Bromomethane	1.53	94	140020	87.853	ug/L	99
8) Chloroethane	1.59	64	170873	85.148	ug/L	98
9) Trichlorofluoromethane	1.76	101	535492	90.518	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	362452	88.848	ug/L	99
12) 1,1-Dichloroethene	2.14	96	324981	90.960	ug/L	99
13) Acetone	2.19	43	308121	190.708	ug/L	99
14) Carbon disulfide	2.32	76	1099992	94.253	ug/L	100
15) Methyl Acetate	2.46	43	184332	104.635	ug/L	99
16) Methylene chloride	2.53	84	355869	87.244	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	811774	105.157	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	363818	93.332	ug/L	99
19) 1,1-Dichloroethane	3.23	63	595301	94.302	ug/L	99
21) 2-Butanone	4.01	43	317881	212.236	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	391098	97.489	ug/L	97
23) Bromochloromethane	4.30	128	182628	100.867	ug/L	99
25) Chloroform	4.43	83	641464	95.560	ug/L	99
27) 1,2-Dichloroethane	5.18	62	439138	100.071	ug/L	99
30) Cyclohexane	4.73	56	566787	92.609	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	598438	94.922	ug/L	99
32) Carbon tetrachloride	4.88	117	552639	94.558	ug/L	100
34) Benzene	5.15	78	1377758	94.060	ug/L	100
35) Trichloroethene	5.96	95	403504	92.556	ug/L	100
36) Methylcyclohexane	6.18	83	660557	92.171	ug/L	100
40) 1,2-Dichloropropane	6.22	63	337184	95.791	ug/L	99
41) Bromodichloromethane	6.56	83	465938	100.869	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	550165	102.036	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	426952	201.307	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1483896	95.930	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	483012	107.037	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	277746	98.209	ug/L	98
47) Tetrachloroethene	8.02	164	326874	92.914	ug/L	98
49) 2-Hexanone	8.18	43	398296	212.560	ug/L	98
50) Dibromochloromethane	8.29	129	361094	107.365	ug/L	99
51) 1,2-Dibromoethane	8.40	107	285987	100.536	ug/L	99
52) Chlorobenzene	8.93	112	966181	97.790	ug/L	99
53) Ethylbenzene	9.06	91	1634003	96.290	ug/L	98
54) m,p-Xylene	9.18	106	623428	96.447	ug/L	99
55) o-xylene	9.59	106	582873	97.277	ug/L	99
56) Styrene	9.60	104	973188	97.924	ug/L	96
57) Isopropylbenzene	9.98	105	1562693	96.663	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	315683	101.947	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	249131	98.066	ug/L	99
62) Bromoform	9.78	173	215532	106.699	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	703731	97.049	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	704573	95.452	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	636858	94.253	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	56905	109.178	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	510996	96.309	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	417579	111.901	ug/L	99
69) Naphthalene	13.55	128	854472	143.032	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	378538	110.261	ug/L	100

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

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```
ALS Vial      : 6      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

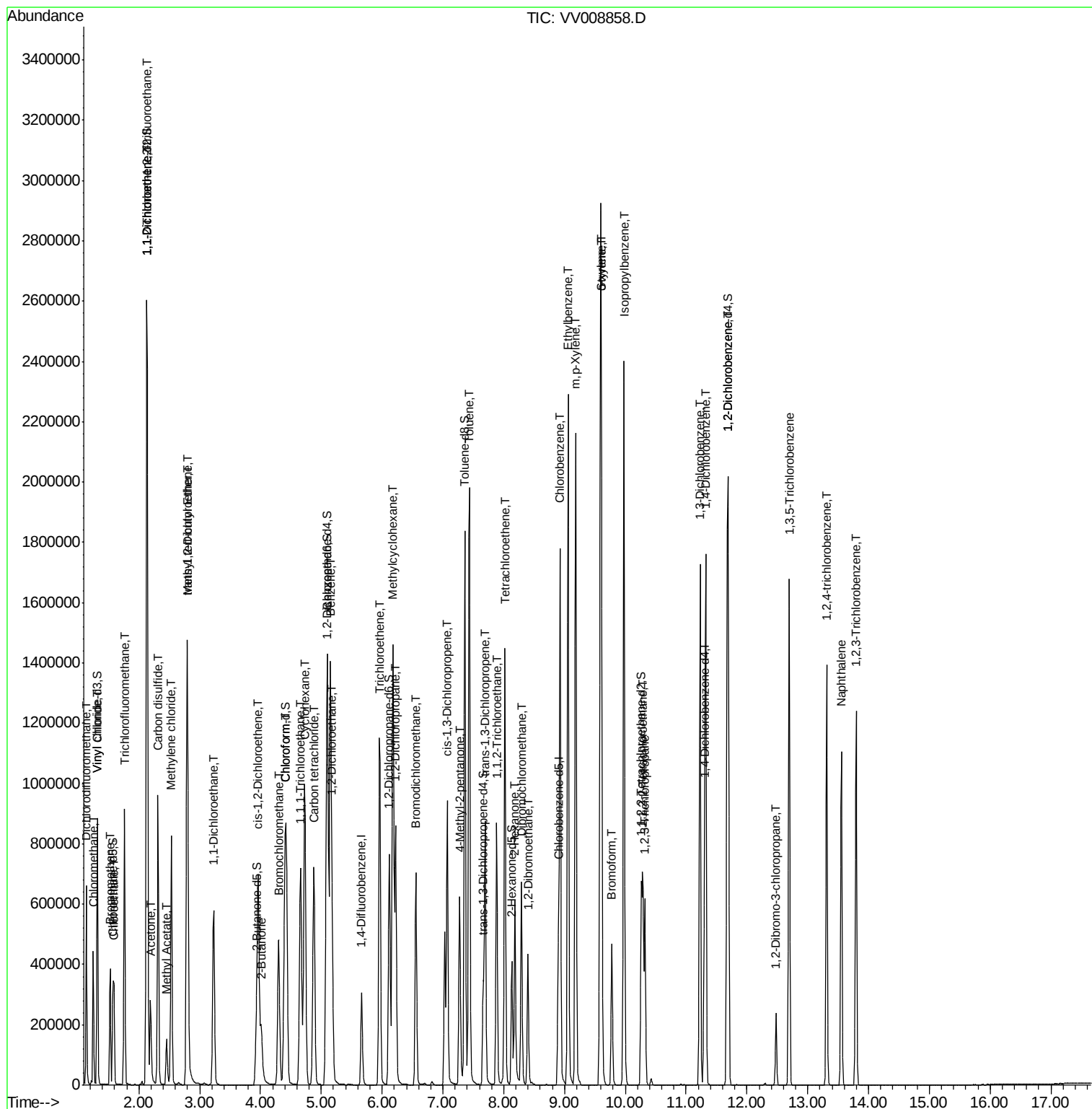
Quant Time: Dec 07 00:34:00 2018

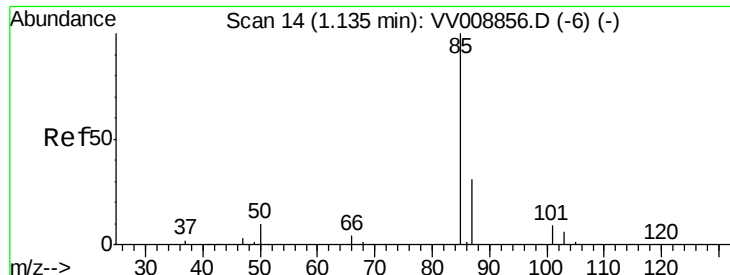
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM120618S.M

Quant Title : VOC Analysis

QLast Update : Fri Dec 07 00:29:23 2018

Response via : Initial Calibration

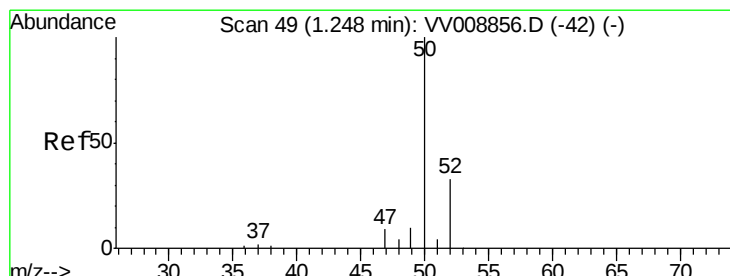
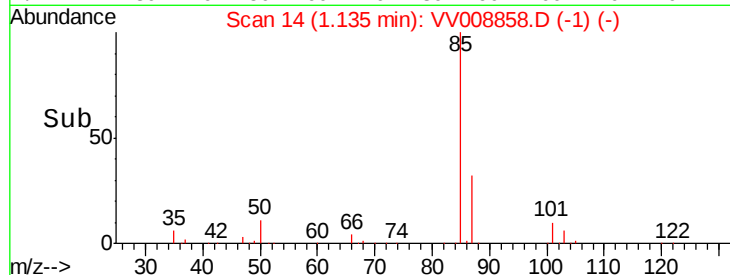
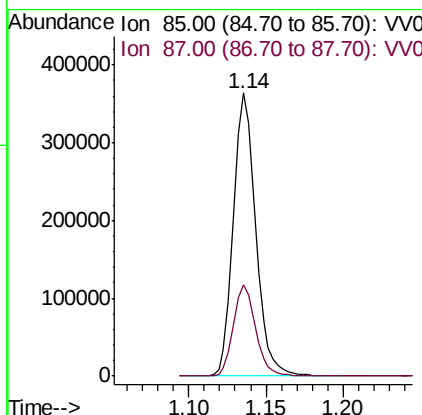
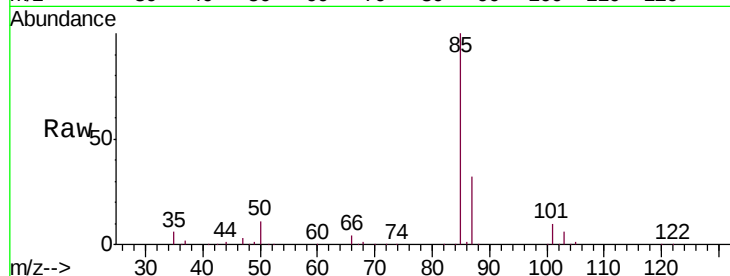




#2
 Dichlorodifluoromethane
 Concen: 87.734 ug/L
 RT: 1.14 min Scan# 14
 Delta R.T. 0.00 min
 Lab File: VV008858.D
 Acq: 06 Dec 2018 13:53

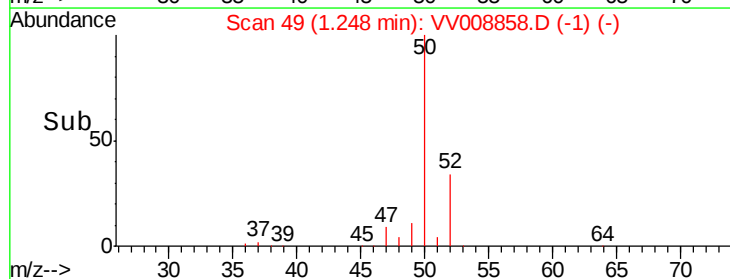
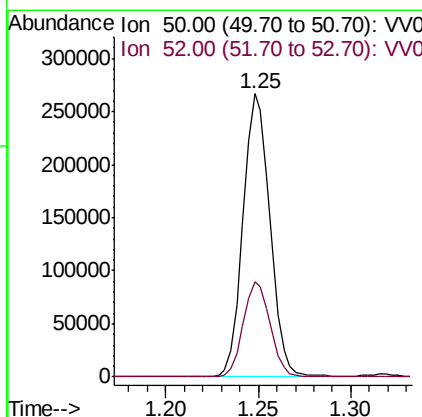
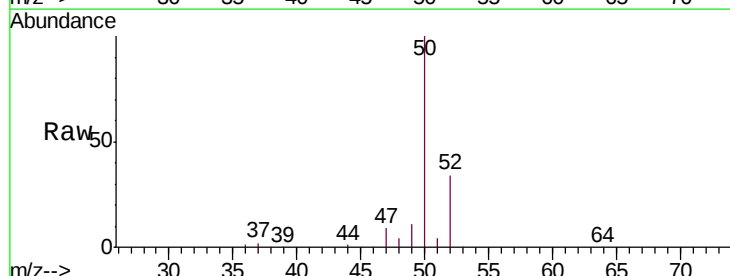
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

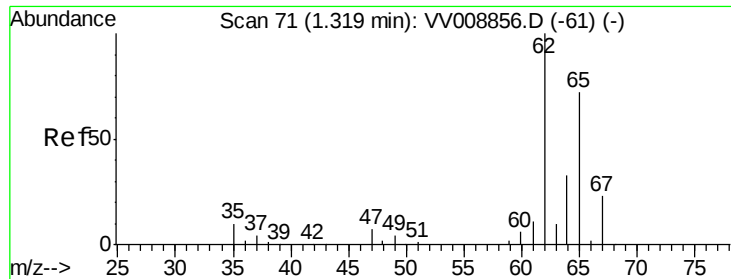
Tgt Ion: 85 Resp: 360641
 Ion Ratio Lower Upper
 85 100
 87 32.4 22.4 41.6



#3
 Chloromethane
 Concen: 87.971 ug/L
 RT: 1.25 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VV008858.D
 Acq: 06 Dec 2018 13:53

Tgt Ion: 50 Resp: 269476
 Ion Ratio Lower Upper
 50 100
 52 33.7 23.2 43.2





#5

Vinyl chloride

Concen: 89.445 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

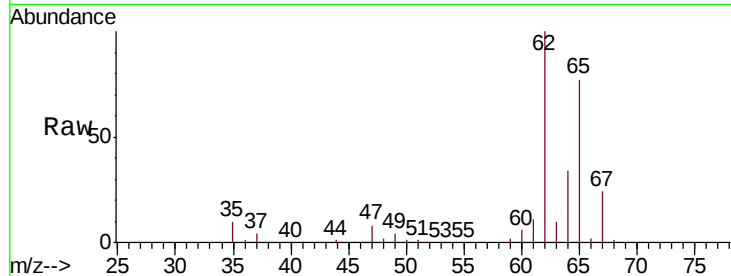
VSTD10065

Tgt Ion: 62 Resp: 305868

Ion Ratio Lower Upper

62 100

64 33.9 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV008856.D (-61) (-)

Ion 64.00 (63.70 to 64.70): VV008858.D (-34) (-)

1.32

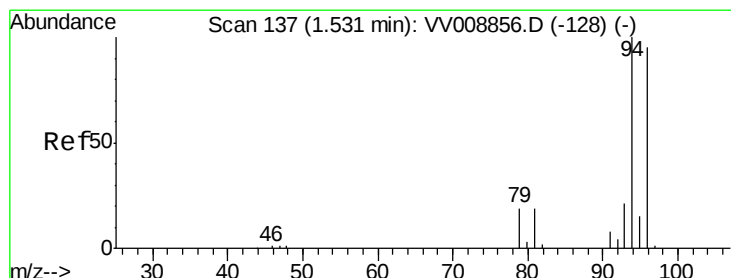
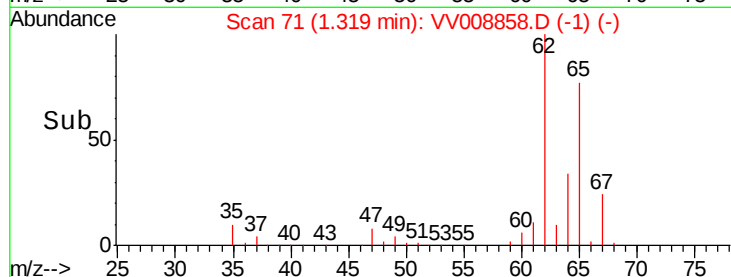
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 87.853 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV008858.D

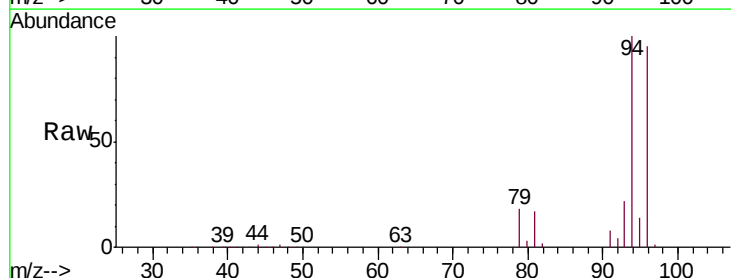
Acq: 06 Dec 2018 13:53

Tgt Ion: 94 Resp: 140020

Ion Ratio Lower Upper

94 100

96 94.3 9.5 180.9



Abundance Ion 94.00 (93.70 to 94.70): VV008856.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV008858.D (-34) (-)

1.53

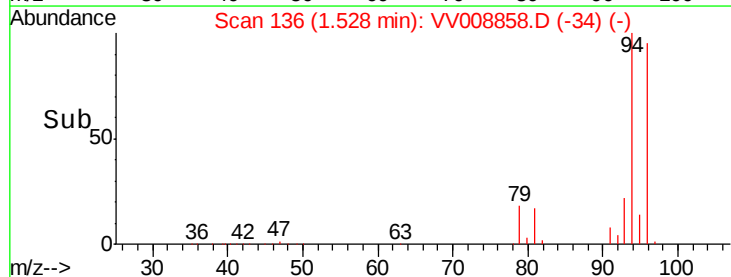
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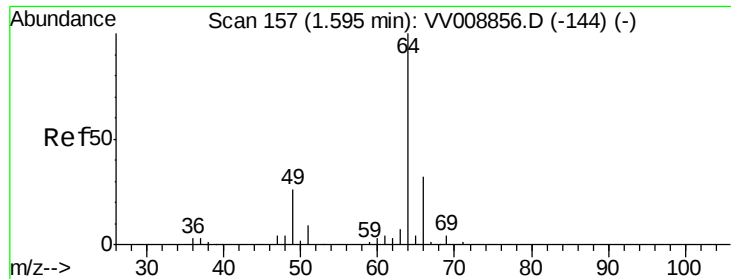
100000

50000

0

Time-->





#8

Chloroethane

Concen: 85.148 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

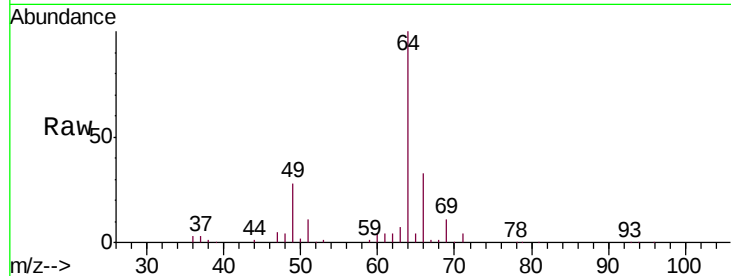
VSTD10065

Tgt Ion: 64 Resp: 170873

Ion Ratio Lower Upper

64 100

66 32.7 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VV008856.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV008856.D (-144) (-)

1.59

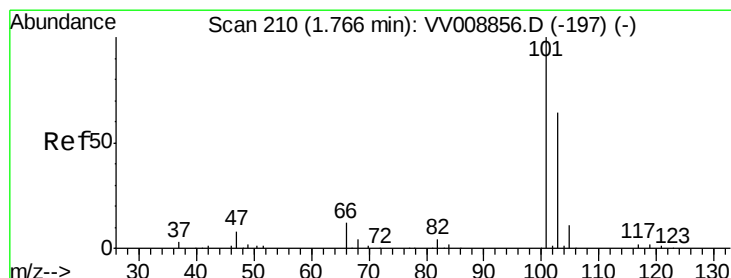
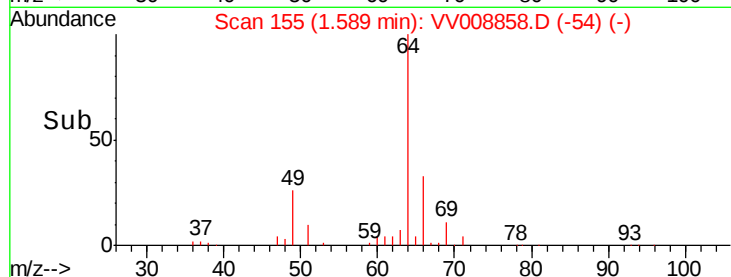
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 90.518 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV008858.D

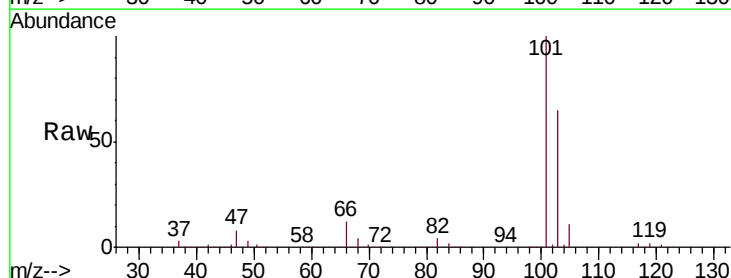
Acq: 06 Dec 2018 13:53

Tgt Ion: 101 Resp: 535492

Ion Ratio Lower Upper

101 100

103 65.2 44.8 83.2



Abundance Ion 101.00 (100.70 to 101.70): VV008856.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV008856.D (-197) (-)

1.76

400000

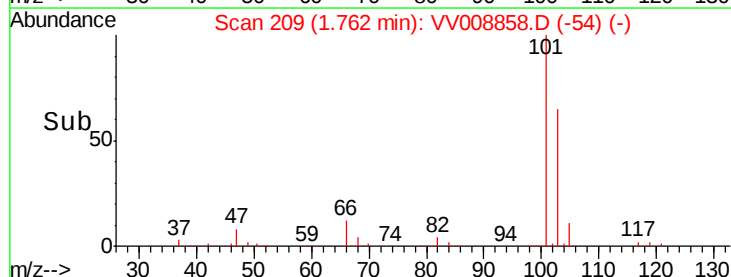
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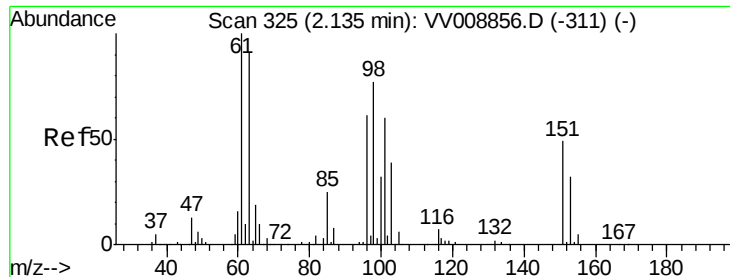
200000

100000

0

Time-->





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 88.848 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

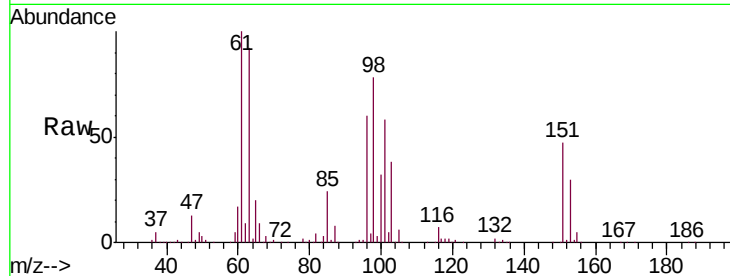
Tgt Ion: 101 Resp: 362452

Ion Ratio Lower Upper

101 100

85 41.5 32.5 48.7

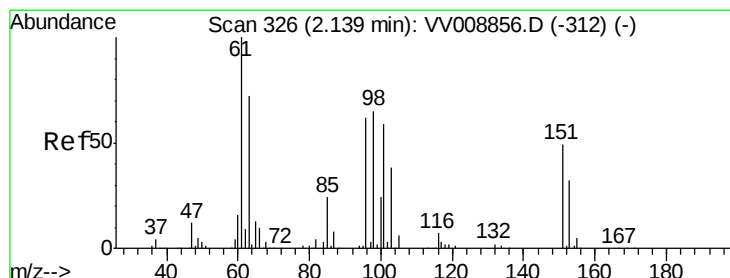
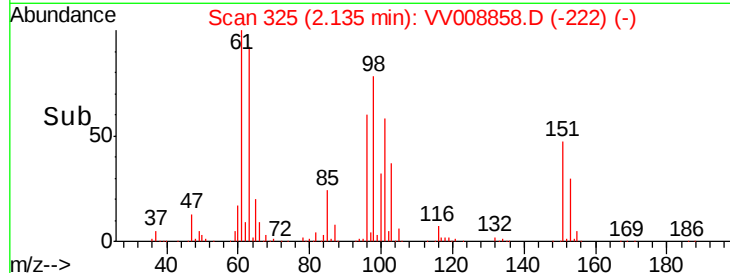
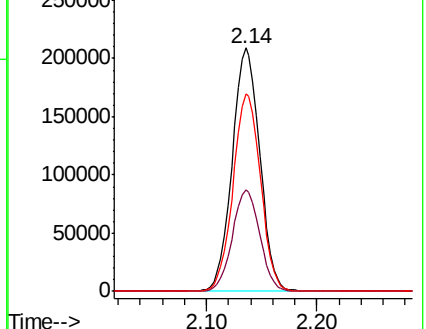
151 81.0 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV008858.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV008858.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV008858.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 90.960 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

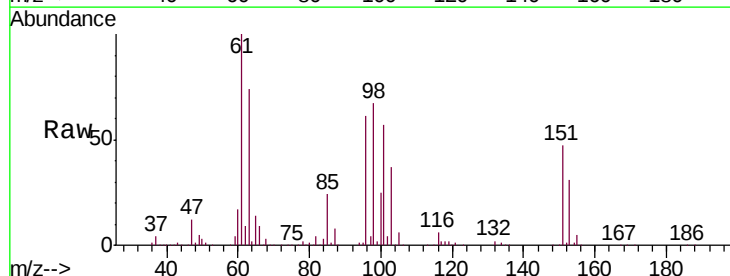
Tgt Ion: 96 Resp: 324981

Ion Ratio Lower Upper

96 100

61 163.3 114.0 211.6

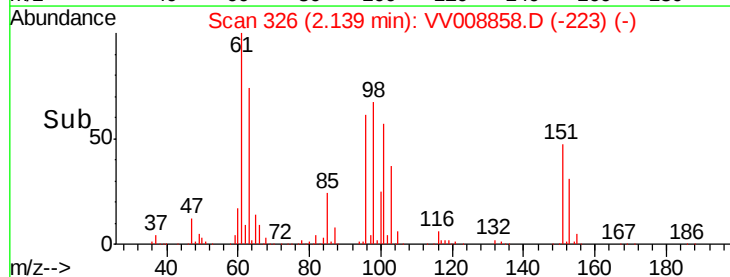
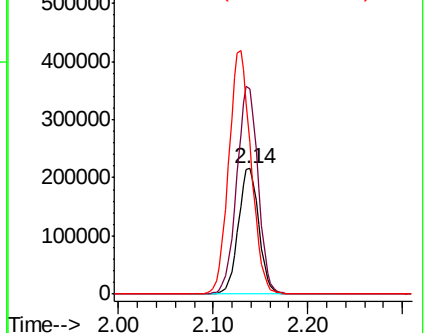
63 120.3 82.4 153.0

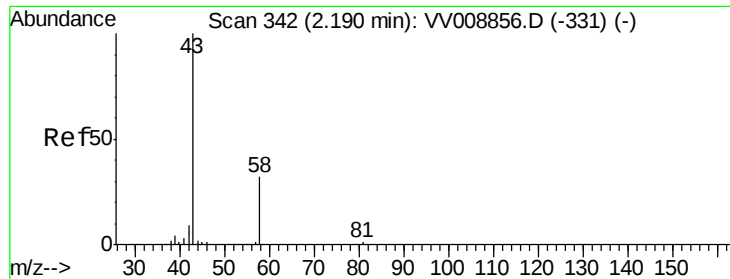


Abundance Ion 96.00 (95.70 to 96.70): VV008858.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV008858.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV008858.D (-223) (-)





#13

Acetone

Concen: 190.708 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

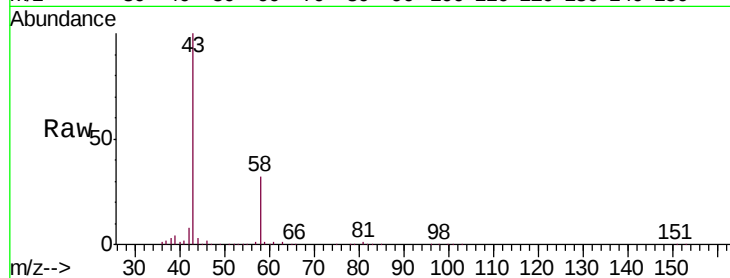
VSTD10065

Tgt Ion: 43 Resp: 308121

Ion Ratio Lower Upper

43 100

58 32.3 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV008856.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008856.D (-331) (-)

2.19

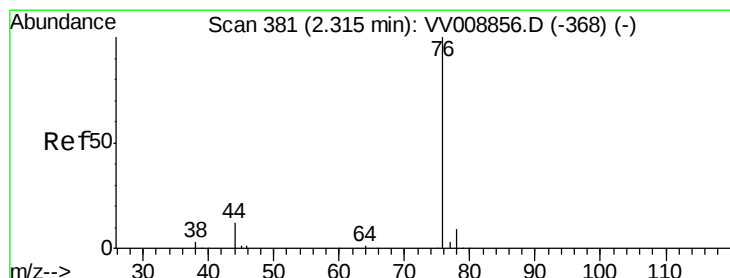
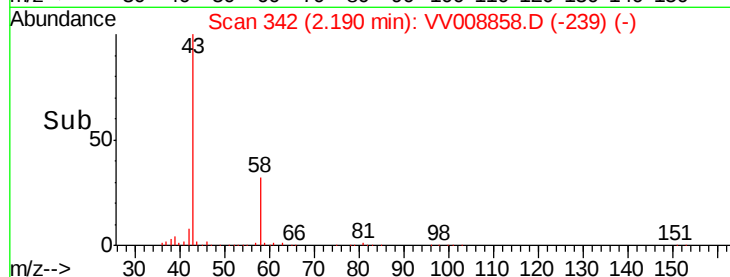
150000

100000

50000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 94.253 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV008858.D

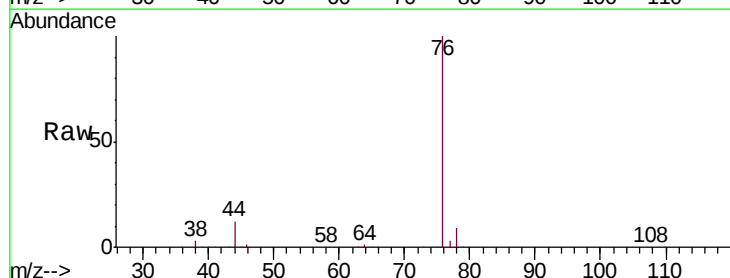
Acq: 06 Dec 2018 13:53

Tgt Ion: 76 Resp: 1099992

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008856.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV008856.D (-368) (-)

2.32

800000

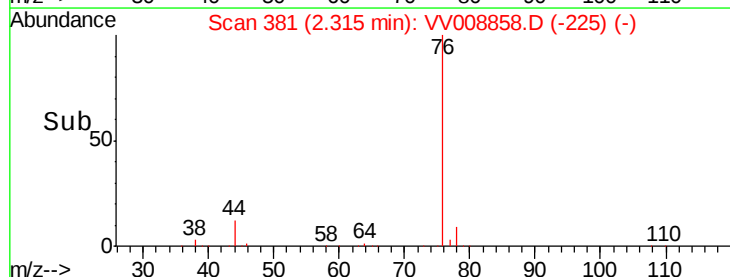
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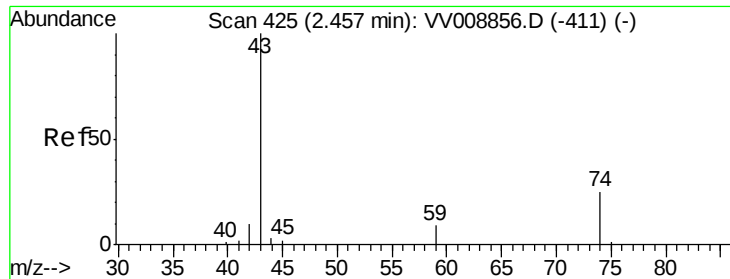
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200000

0

Time--> 2.25 2.30 2.35 2.40

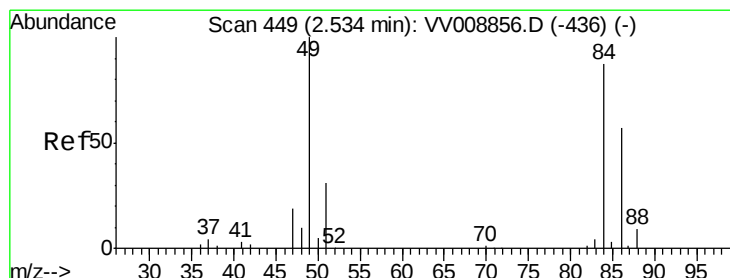
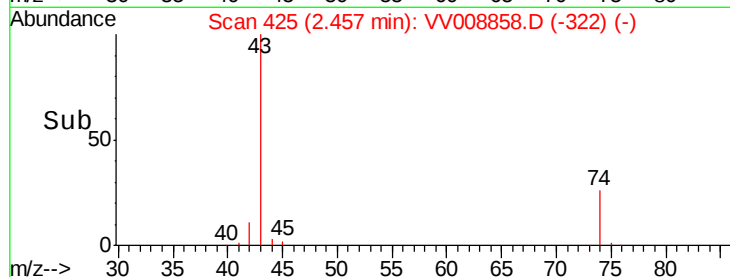
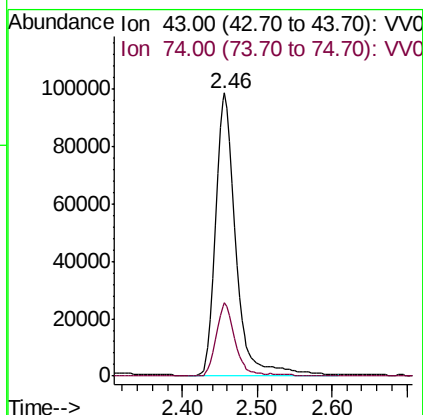
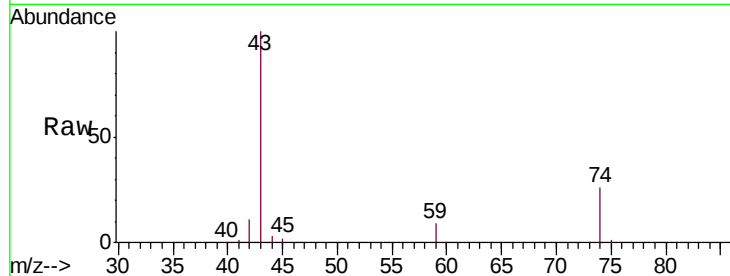




#15
Methyl Acetate
Concen: 104.635 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

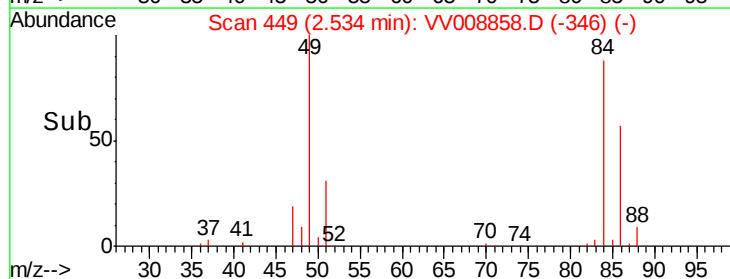
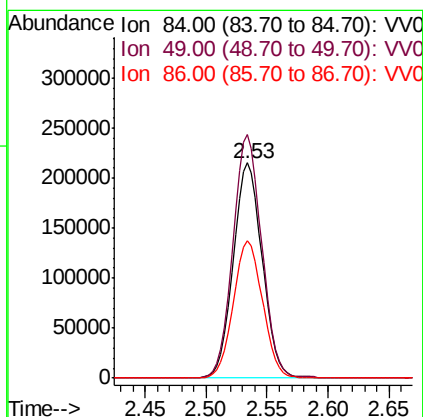
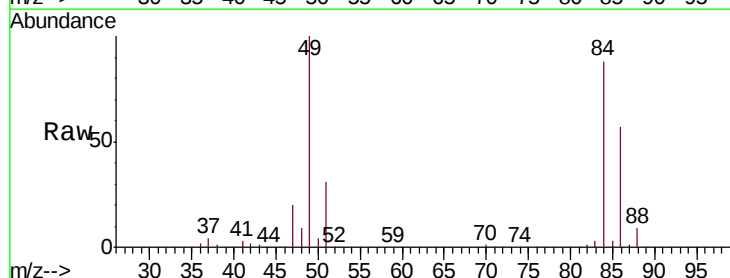
Instrument :
MSVOA_V
ClientSampled :
VSTD10065

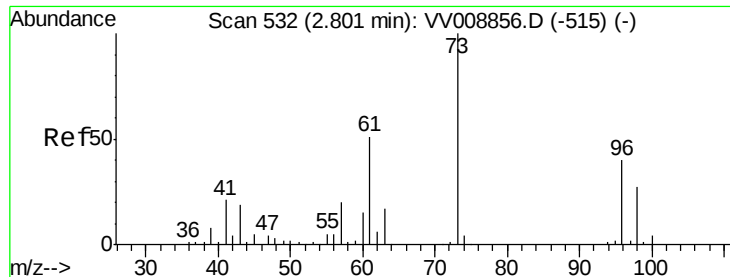
Tgt Ion: 43 Resp: 184332
Ion Ratio Lower Upper
43 100
74 24.1 19.7 29.5



#16
Methylene chloride
Concen: 87.244 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

Tgt Ion: 84 Resp: 355869
Ion Ratio Lower Upper
84 100
49 113.0 80.5 149.5
86 64.0 45.5 84.5



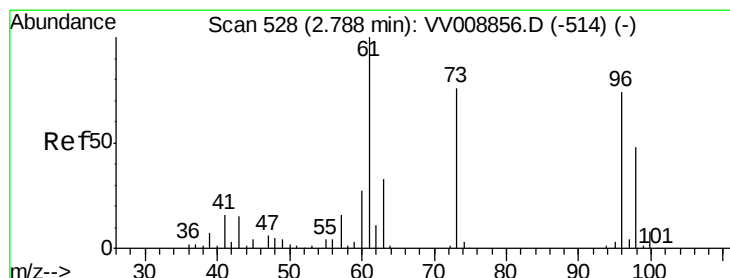
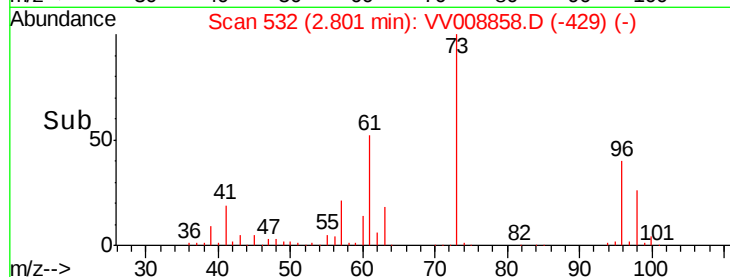
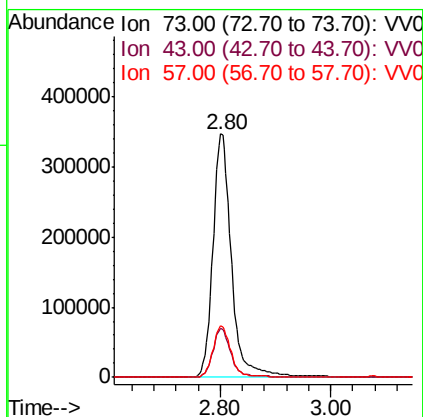
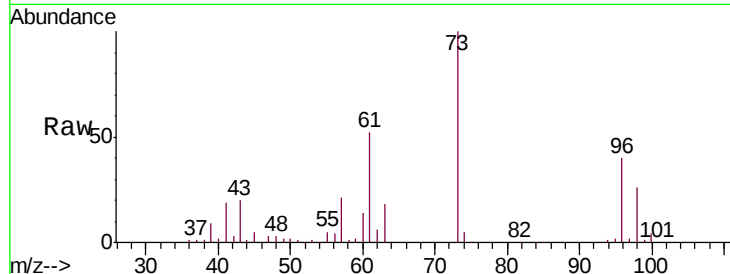


#17

Methyl tert-butyl Ether
 Concen: 105.157 ug/L
 RT: 2.80 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VV008858.D
 Acq: 06 Dec 2018 13:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

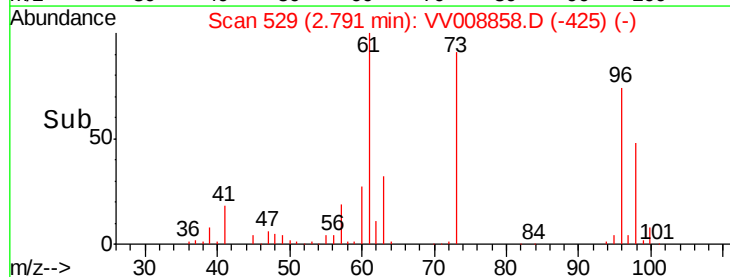
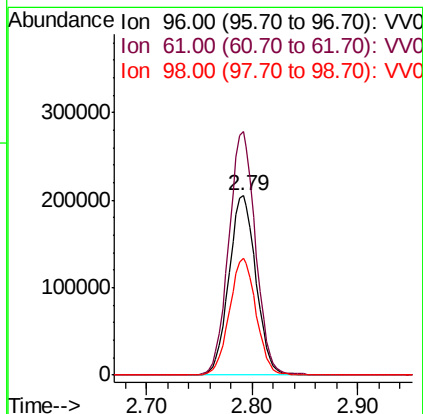
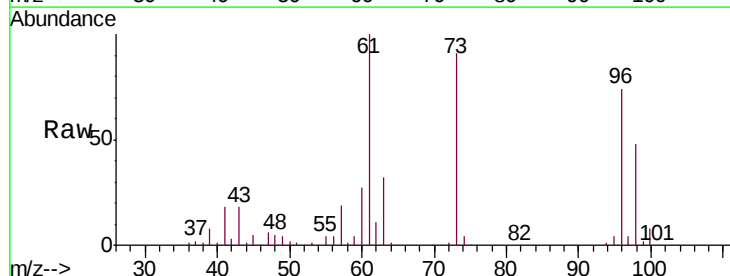
Tgt Ion: 73 Resp: 811774
 Ion Ratio Lower Upper
 73 100
 43 19.4 14.9 22.3
 57 19.9 16.0 24.0

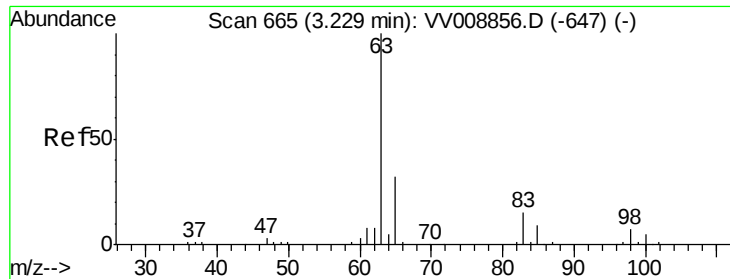


#18

trans-1,2-Dichloroethene
 Concen: 93.332 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV008858.D
 Acq: 06 Dec 2018 13:53

Tgt Ion: 96 Resp: 363818
 Ion Ratio Lower Upper
 96 100
 61 135.9 94.6 175.8
 98 65.0 45.3 84.1

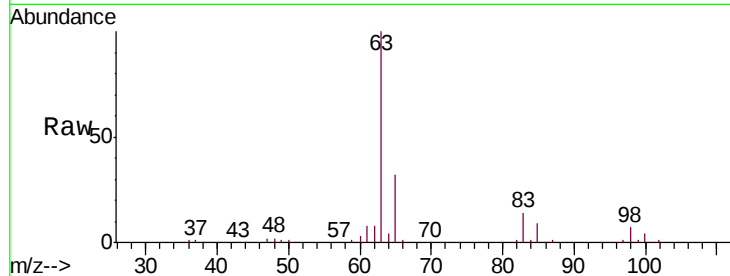




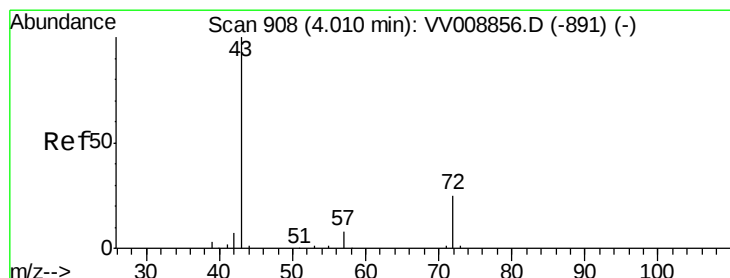
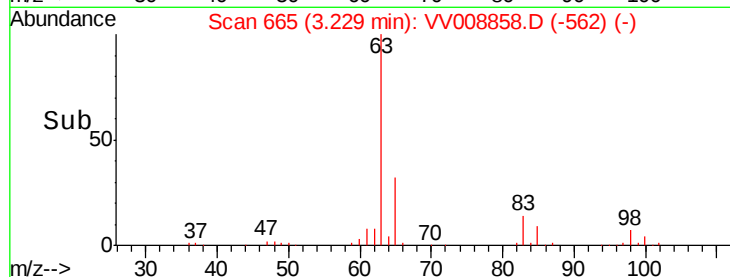
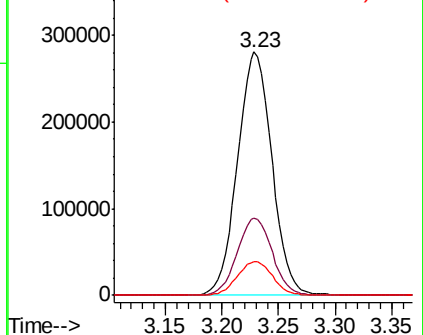
#19
 1,1-Dichloroethane
 Concen: 94.302 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV008858.D
 Acq: 06 Dec 2018 13:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tgt Ion: 63 Resp: 595301
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.7 42.1
 83 13.9 10.2 19.0

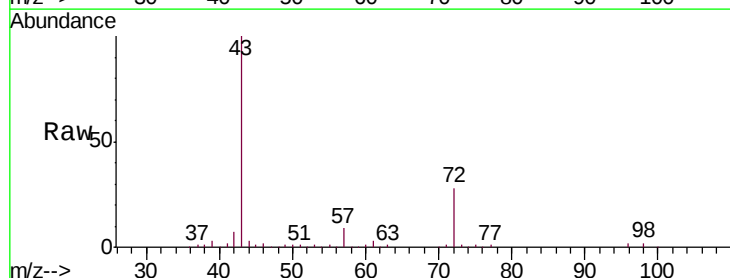


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

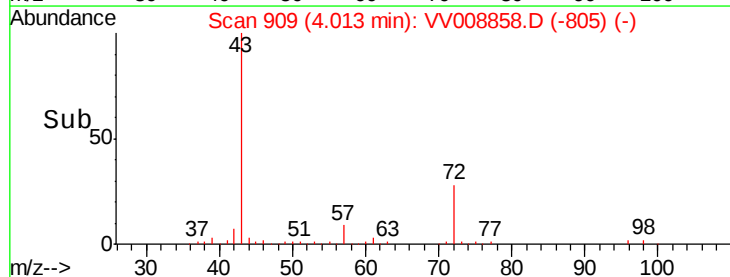
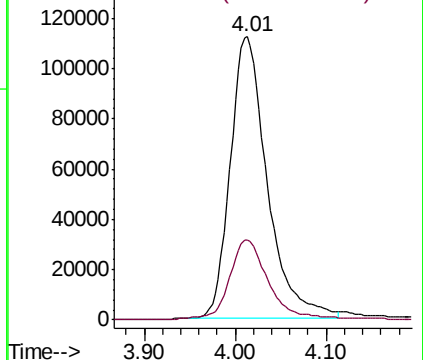


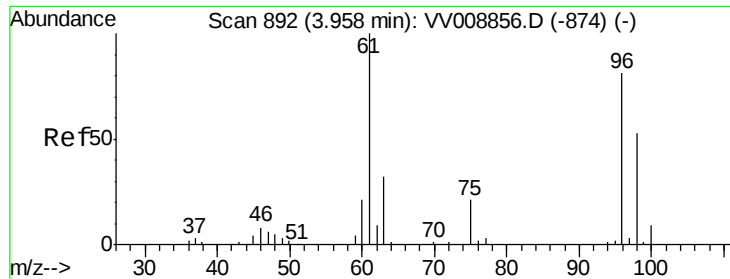
#21
 2-Butanone
 Concen: 212.236 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: VV008858.D
 Acq: 06 Dec 2018 13:53

Tgt Ion: 43 Resp: 317881
 Ion Ratio Lower Upper
 43 100
 72 29.7 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



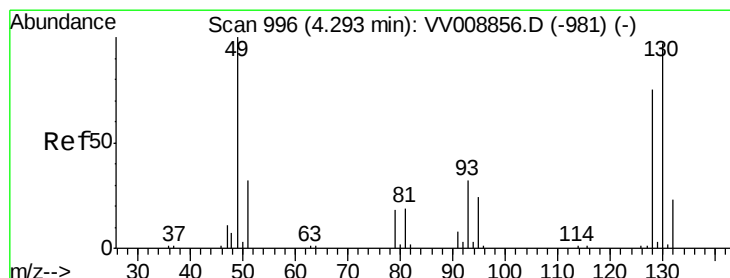
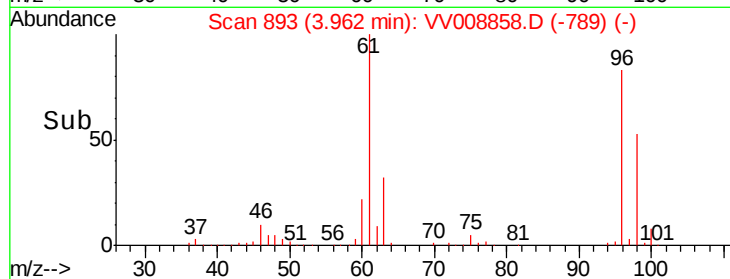
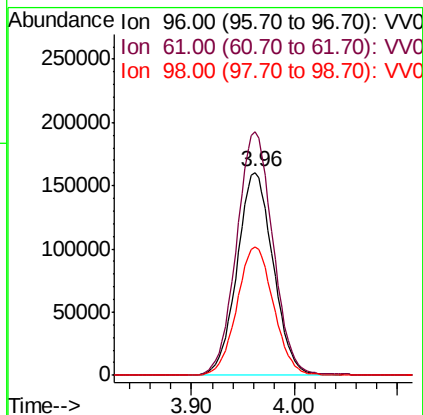
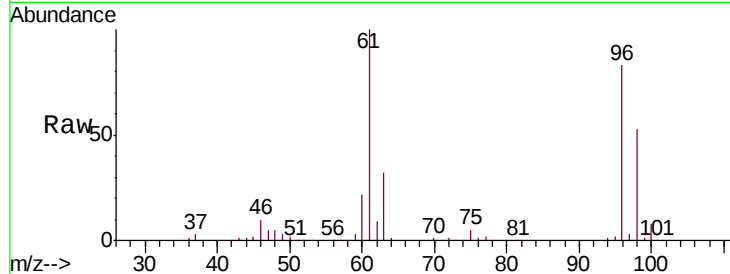


#22

cis-1,2-Dichloroethene
Concen: 97.489 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

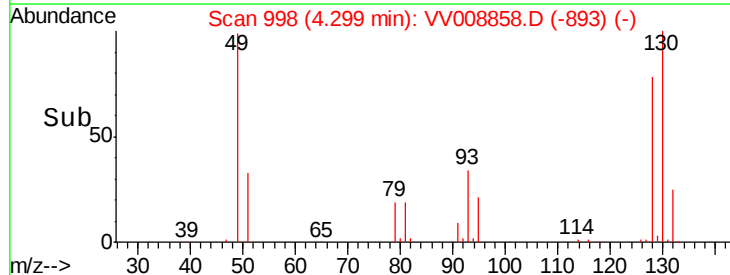
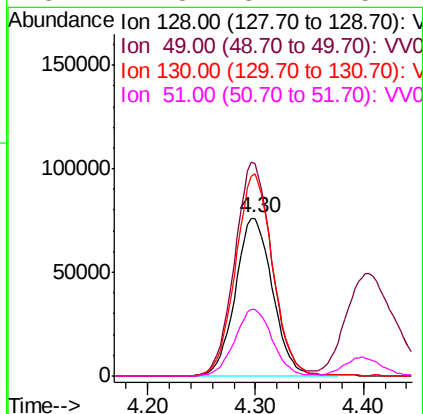
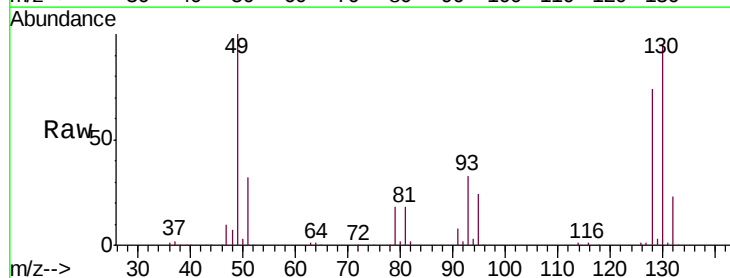
Tgt Ion: 96 Resp: 391098
Ion Ratio Lower Upper
96 100
61 119.8 86.2 160.0
98 63.4 45.6 84.6

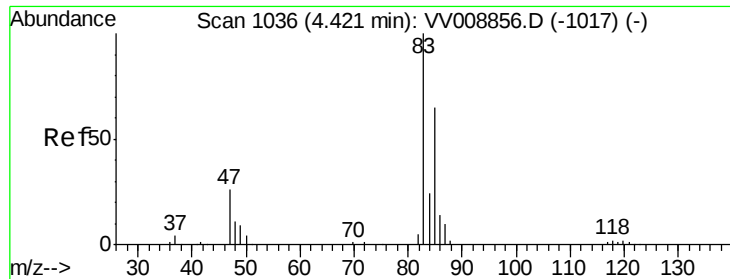


#23

Bromochloromethane
Concen: 100.867 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.01 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

Tgt Ion: 128 Resp: 182628
Ion Ratio Lower Upper
128 100
49 134.3 93.8 174.2
130 127.8 90.4 168.0
51 42.3 34.2 51.4

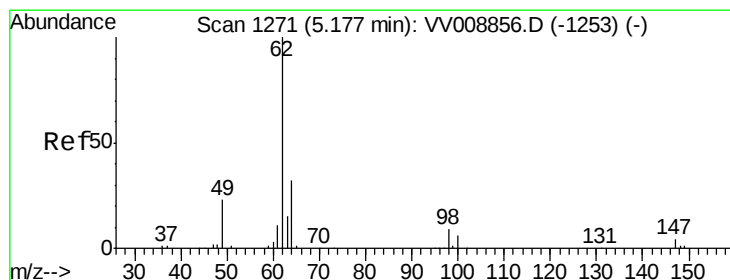
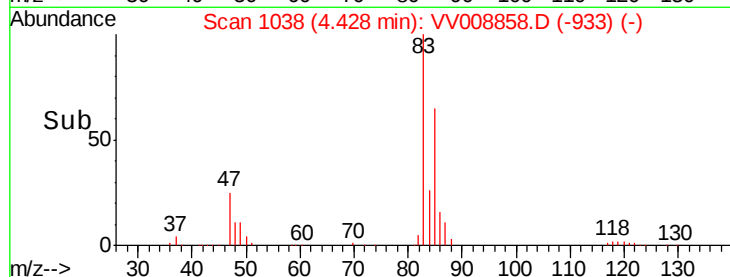
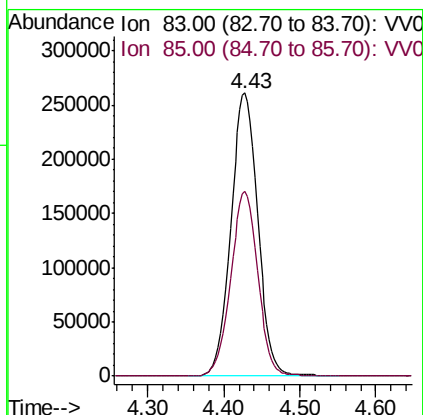
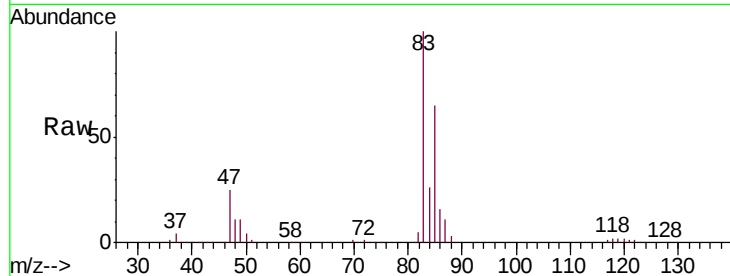




#25
Chloroform
Concen: 95.560 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

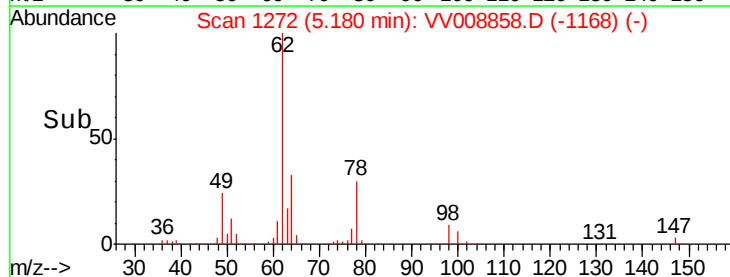
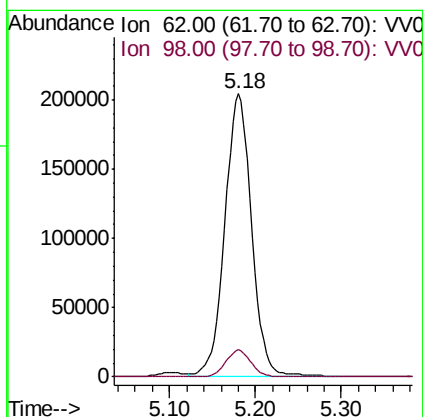
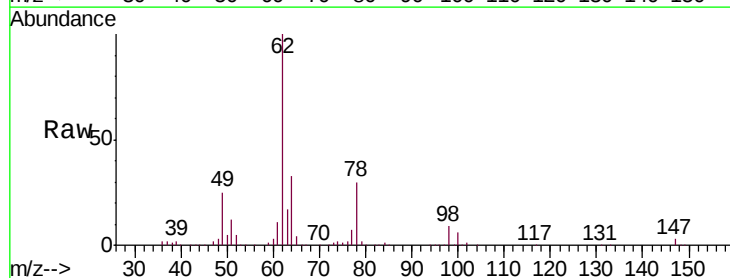
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

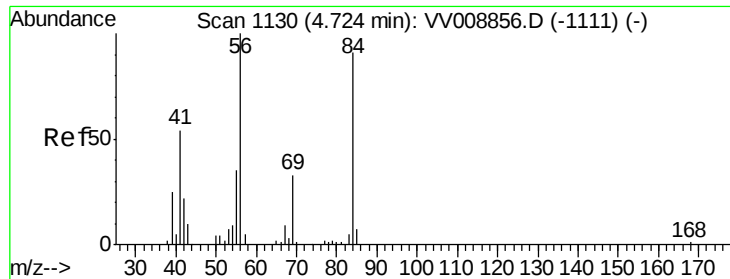
Tgt Ion: 83 Resp: 641464
Ion Ratio Lower Upper
83 100
85 65.8 45.6 84.8



#27
1,2-Dichloroethane
Concen: 100.071 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

Tgt Ion: 62 Resp: 439138
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.0

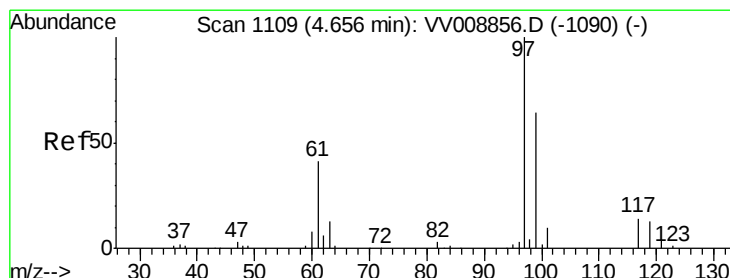
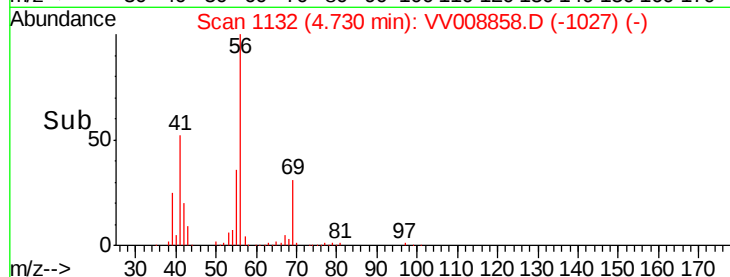
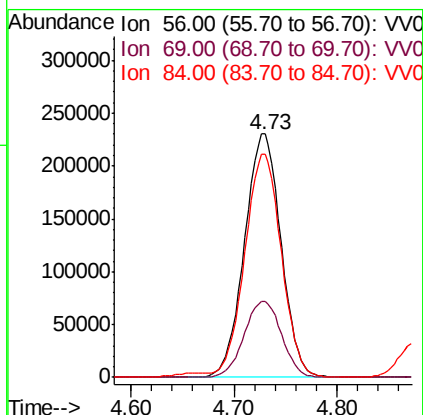
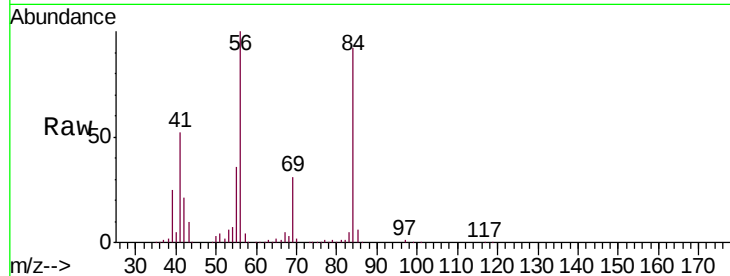




#30
Cyclohexane
Concen: 92.609 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

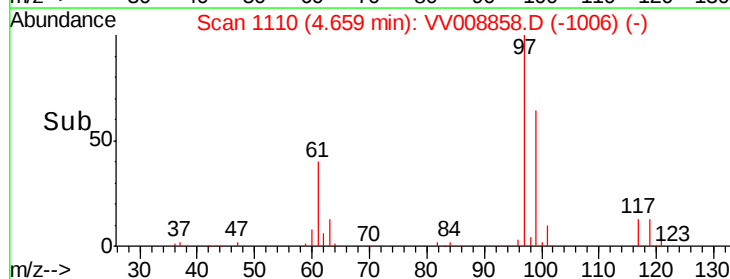
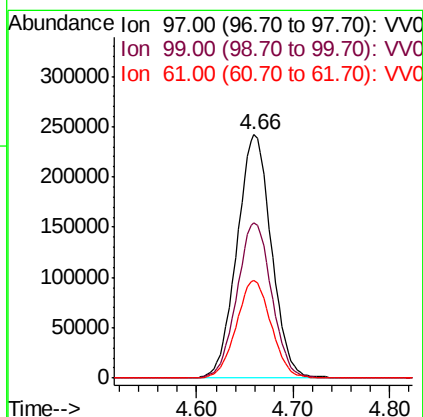
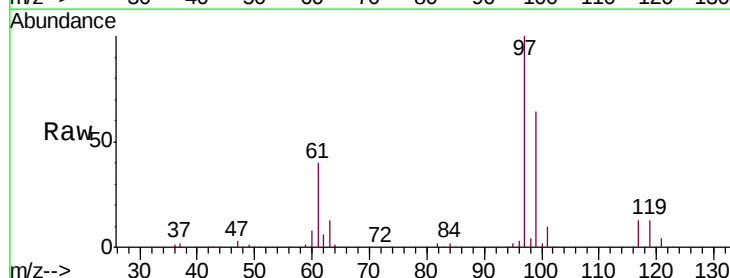
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

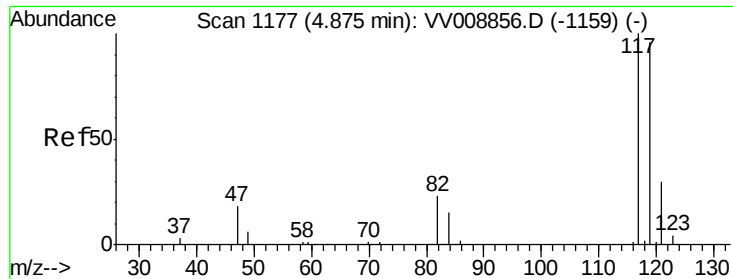
Tgt Ion: 56 Resp: 566787
Ion Ratio Lower Upper
56 100
69 32.0 25.8 38.8
84 91.4 73.0 109.6



#31
1,1,1-Trichloroethane
Concen: 94.922 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

Tgt Ion: 97 Resp: 598438
Ion Ratio Lower Upper
97 100
99 64.4 51.9 77.9
61 40.5 33.1 49.7





#32

Carbon tetrachloride

Concen: 94.558 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

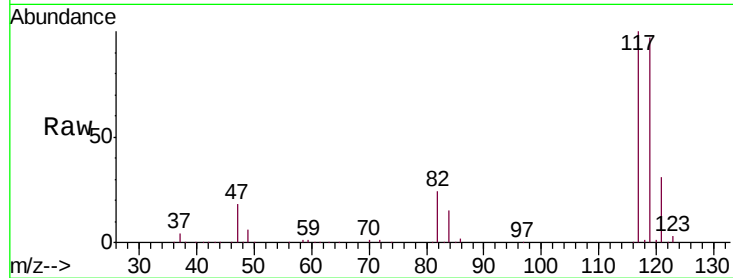
VSTD10065

Tgt Ion:117 Resp: 552639

Ion Ratio Lower Upper

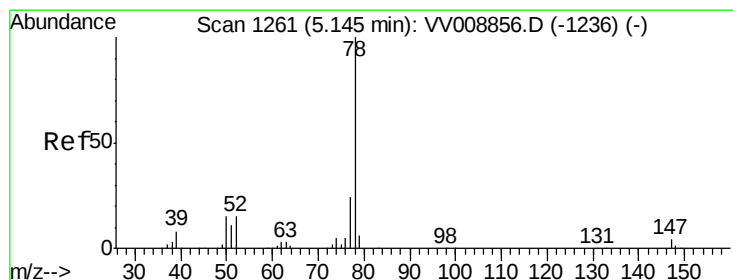
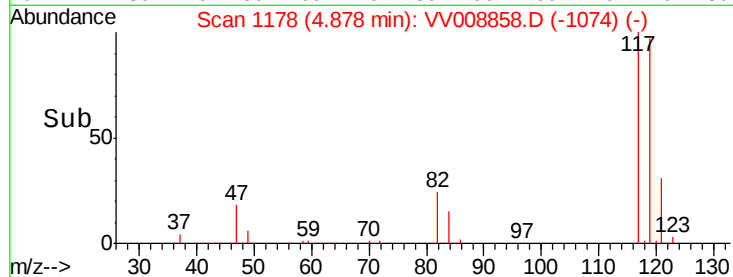
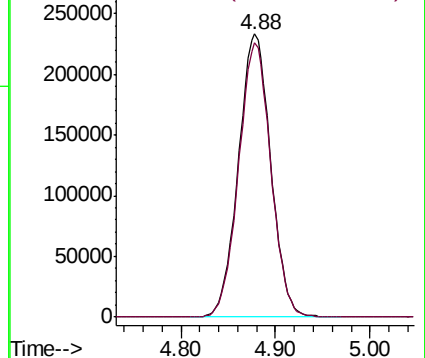
117 100

119 96.8 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 94.060 ug/L

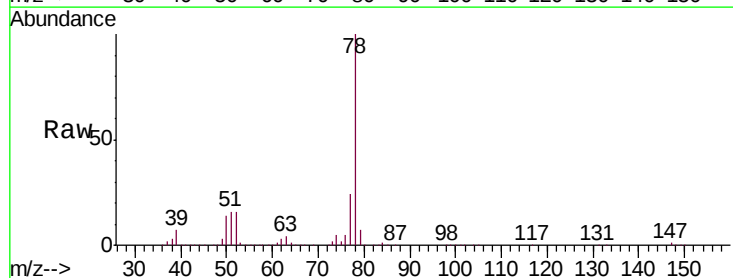
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

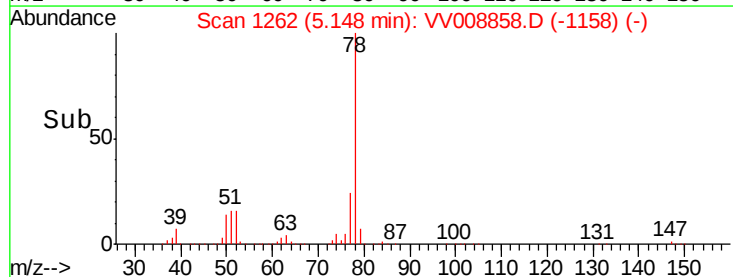
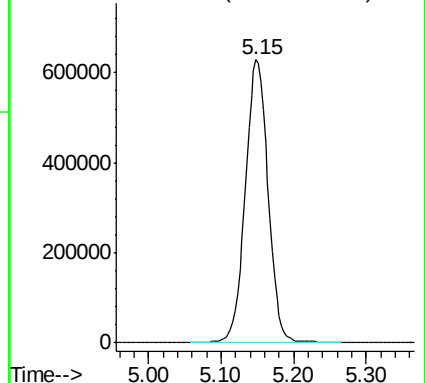
Lab File: VV008858.D

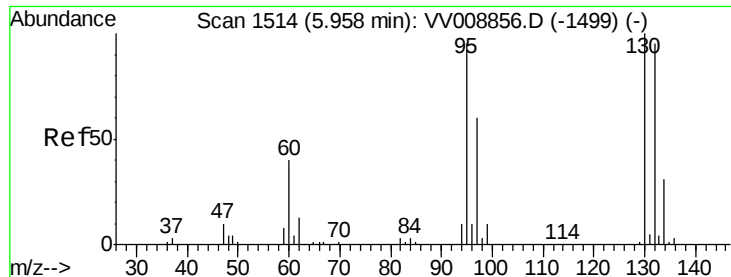
Acq: 06 Dec 2018 13:53

Tgt Ion: 78 Resp: 1377758



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 92.556 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

Tgt Ion: 95 Resp: 403504

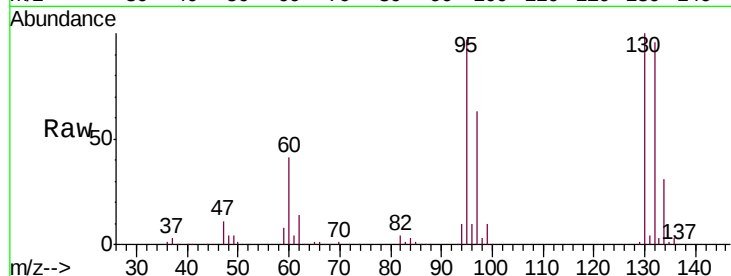
Ion Ratio Lower Upper

95 100

97 64.7 45.3 84.1

132 99.8 70.0 130.0

130 104.5 73.4 136.4

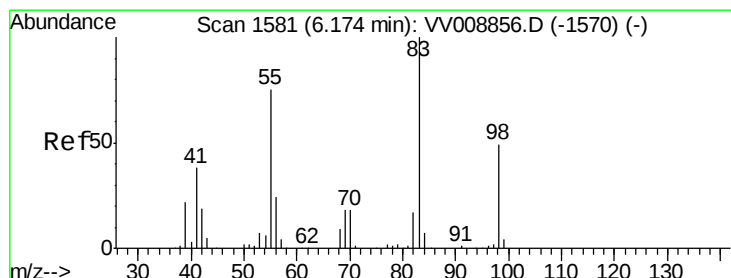
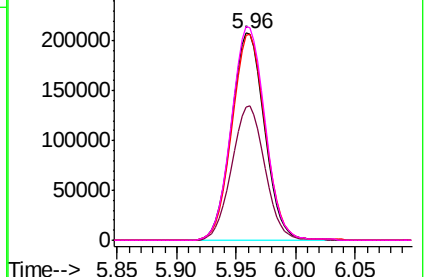
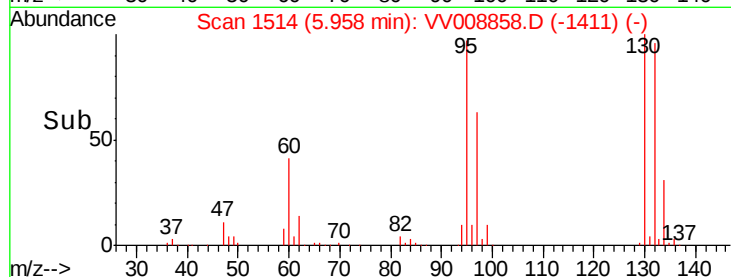


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 92.171 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

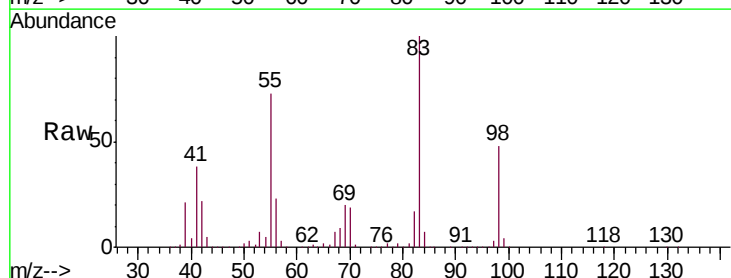
Tgt Ion: 83 Resp: 660557

Ion Ratio Lower Upper

83 100

55 72.6 58.2 87.2

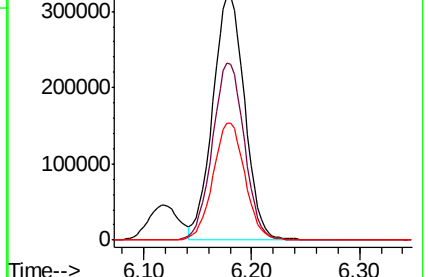
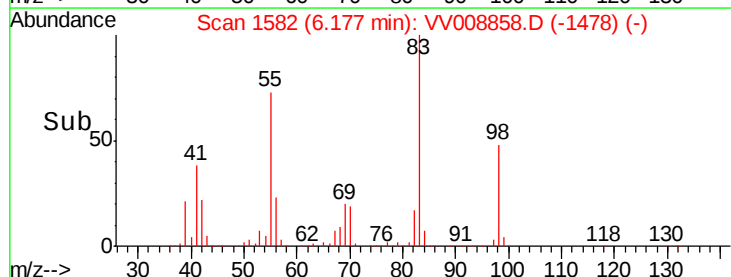
98 47.7 37.8 56.8

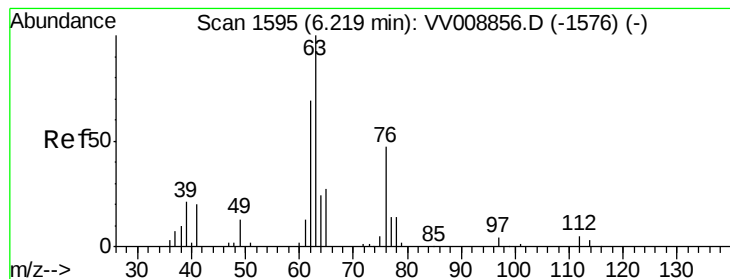


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 95.791 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

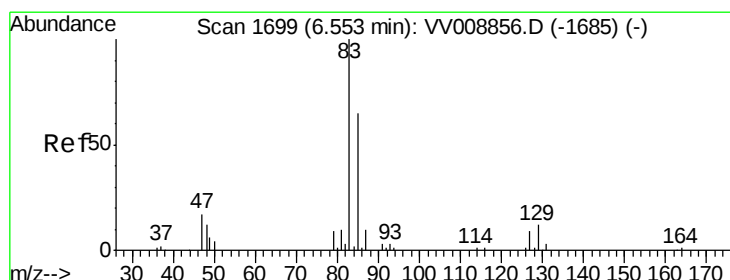
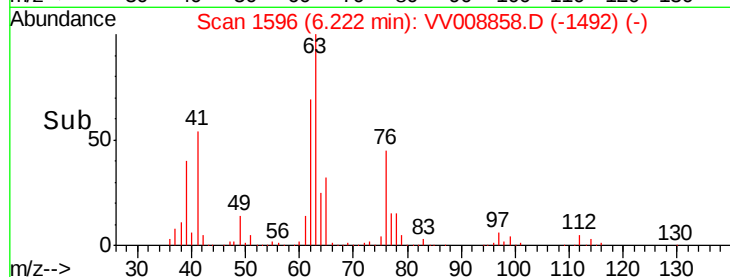
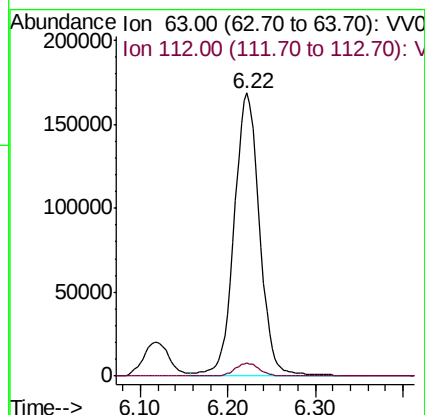
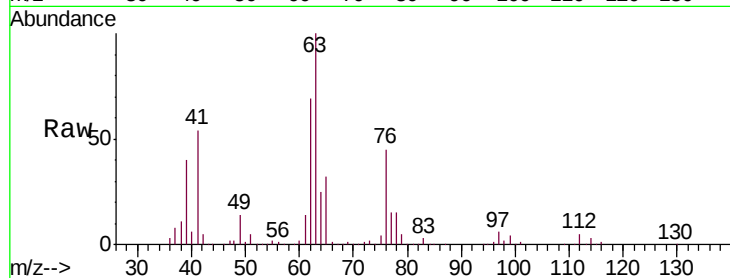
VSTD10065

Tgt Ion: 63 Resp: 337184

Ion Ratio Lower Upper

63 100

112 4.4 3.8 5.8



#41

Bromodichloromethane

Concen: 100.869 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

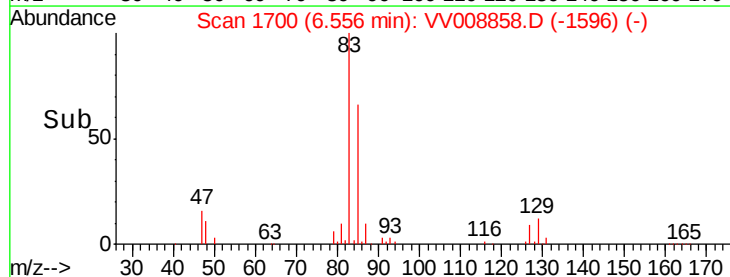
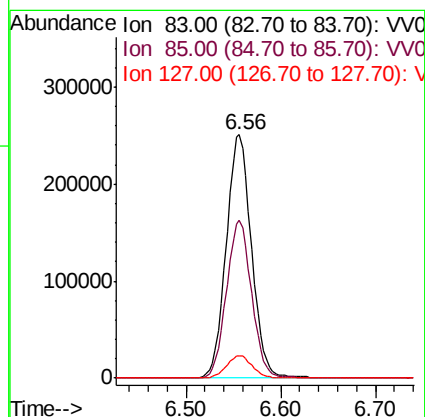
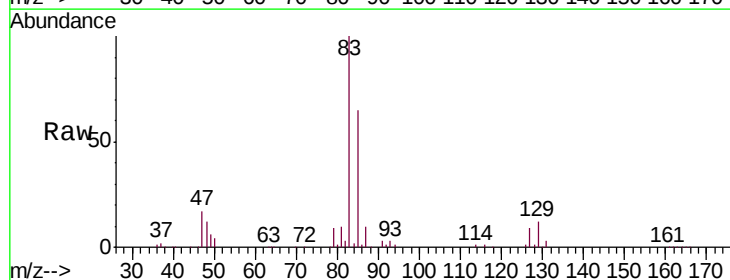
Tgt Ion: 83 Resp: 465938

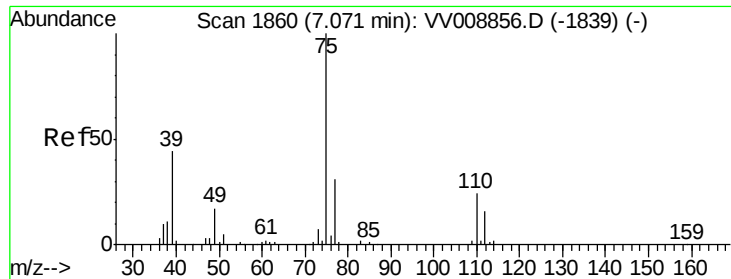
Ion Ratio Lower Upper

83 100

85 64.9 45.3 84.1

127 9.2 7.2 10.8



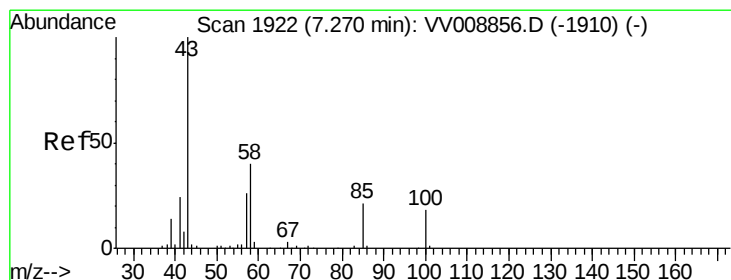
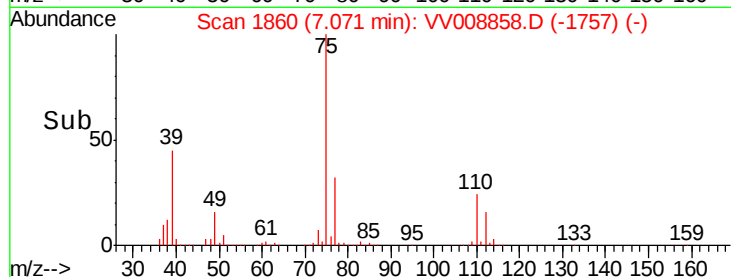
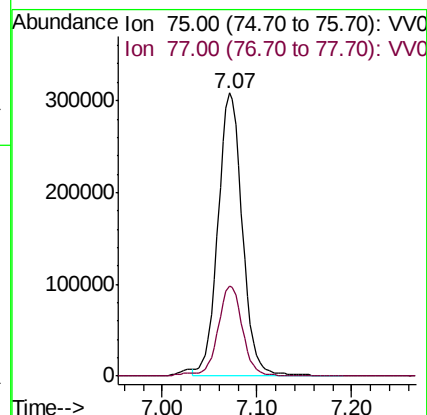
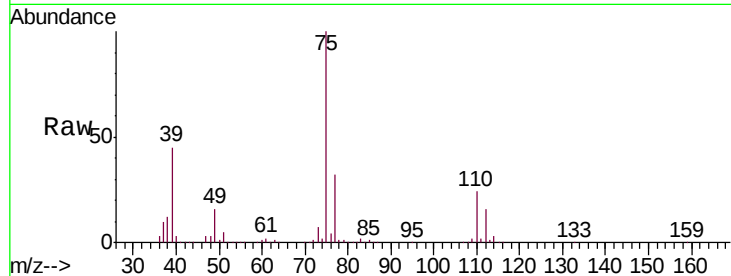


#42

cis-1,3-Dichloropropene
Concen: 102.036 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

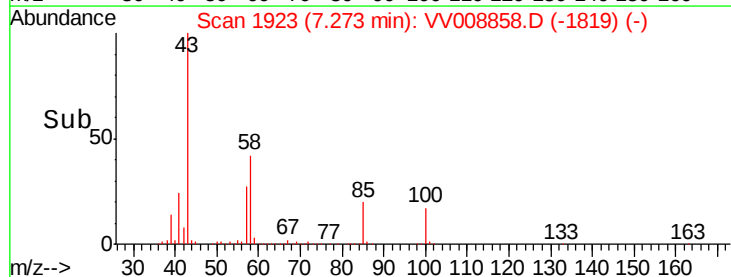
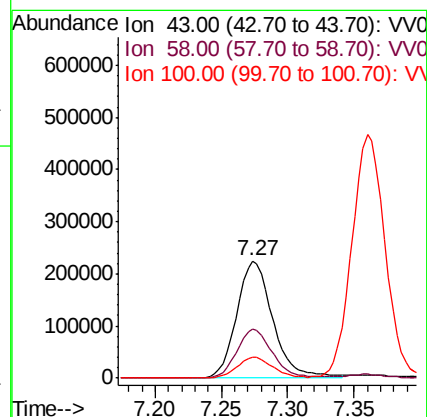
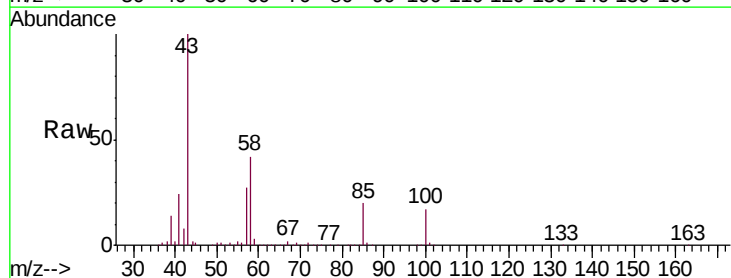
Tgt Ion: 75 Resp: 550165
Ion Ratio Lower Upper
75 100
77 32.0 21.3 39.6

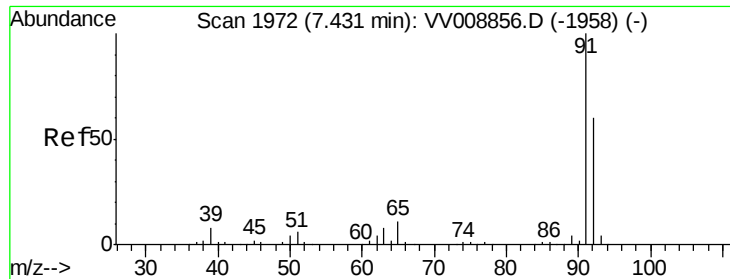


#43

4-Methyl-2-pentanone
Concen: 201.307 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

Tgt Ion: 43 Resp: 426952
Ion Ratio Lower Upper
43 100
58 41.2 32.2 48.4
100 17.3 13.8 20.8





#44

Toluene

Concen: 95.930 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

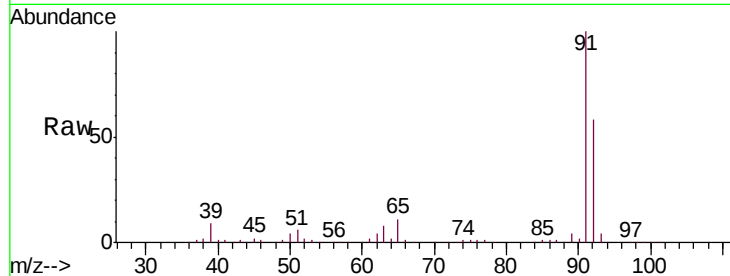
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 91 Resp: 1483896

Ion Ratio Lower Upper

91 100

92 58.1 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV008856.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV008858.D (-1869) (-)

7.43

800000

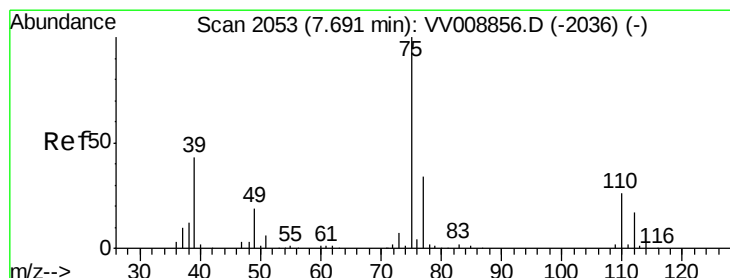
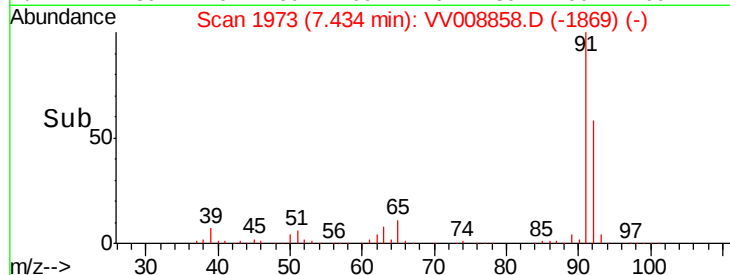
600000

400000

200000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 107.037 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008858.D

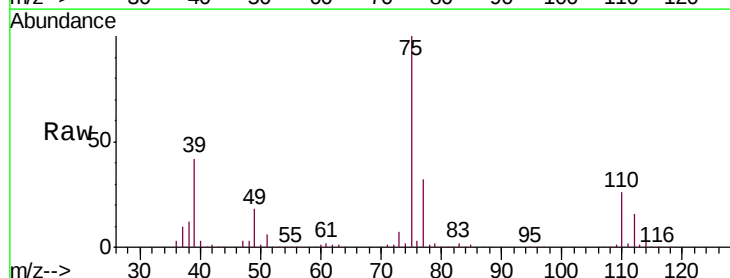
Acq: 06 Dec 2018 13:53

Tgt Ion: 75 Resp: 483012

Ion Ratio Lower Upper

75 100

77 31.5 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV008856.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV008858.D (-1950) (-)

7.69

300000

250000

200000

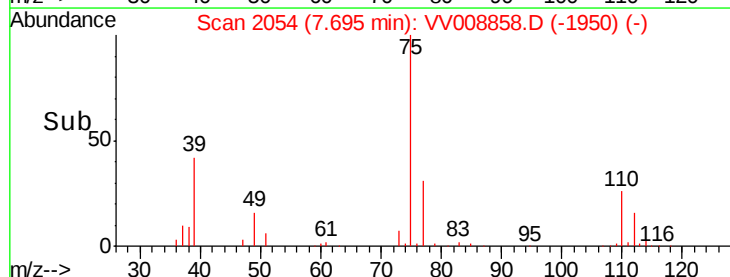
150000

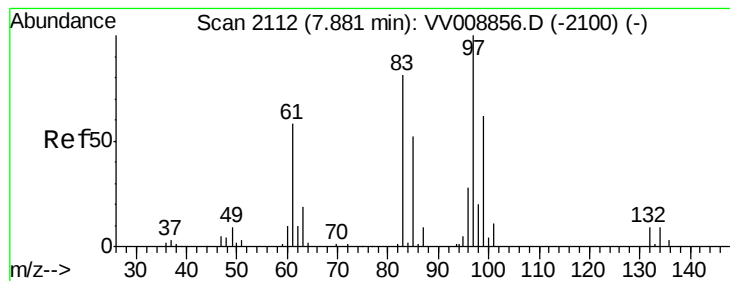
100000

50000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 98.209 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

Tgt Ion: 97 Resp: 277746

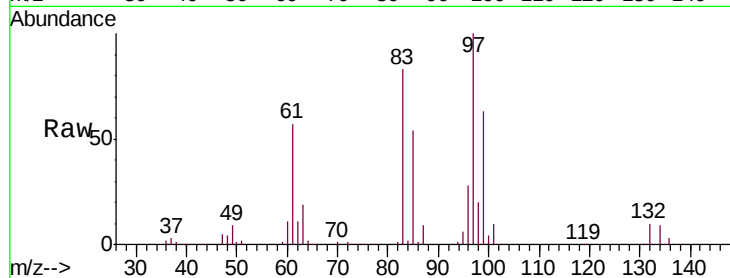
Ion Ratio Lower Upper

97 100

83 82.6 56.6 105.2

85 54.3 36.6 68.0

99 63.5 43.2 80.2



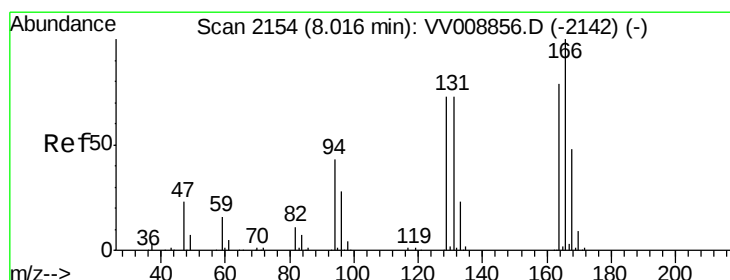
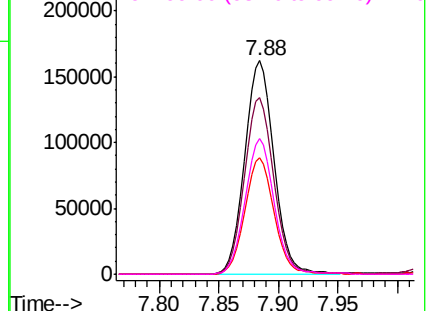
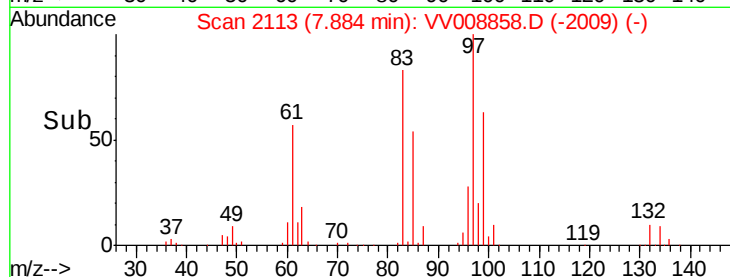
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 92.914 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Tgt Ion: 164 Resp: 326874

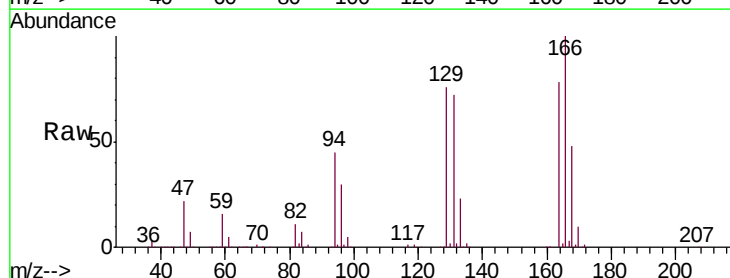
Ion Ratio Lower Upper

164 100

129 96.9 64.6 120.0

131 92.5 64.5 119.7

166 128.0 88.7 164.7



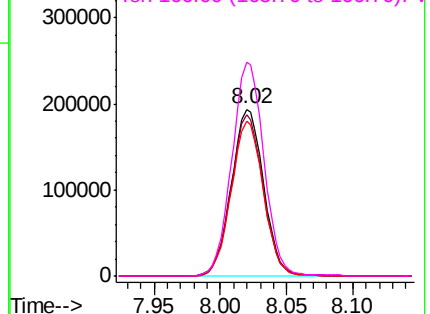
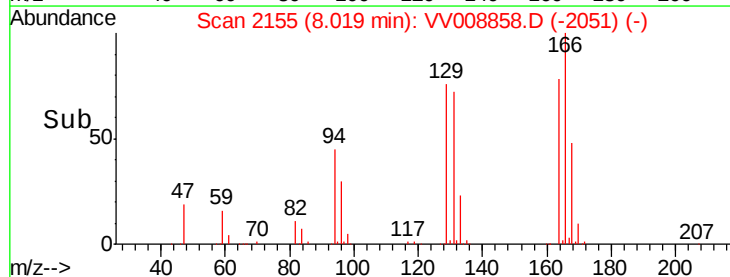
Abundance

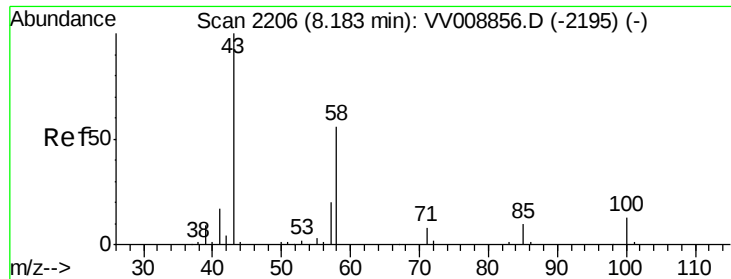
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

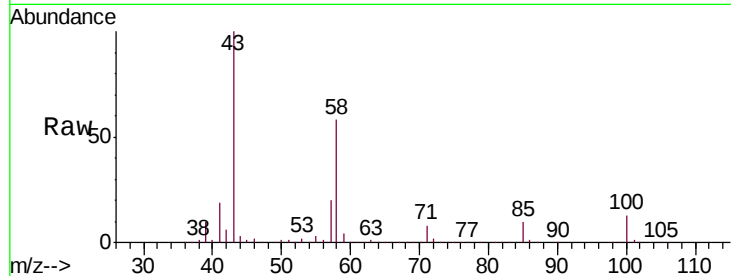




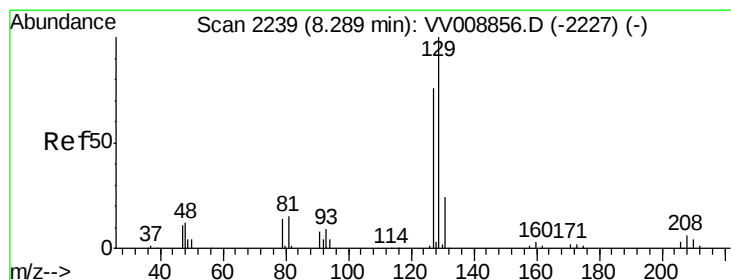
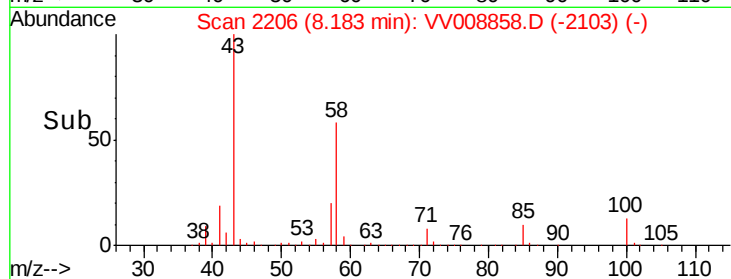
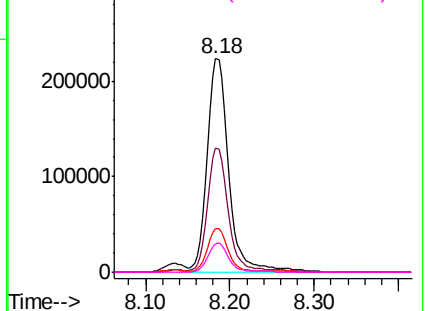
#49
2-Hexanone
Concen: 212.560 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 43 Resp: 398296
Ion Ratio Lower Upper
43 100
58 53.8 43.9 65.9
57 20.6 15.7 23.5
100 13.0 11.0 16.4

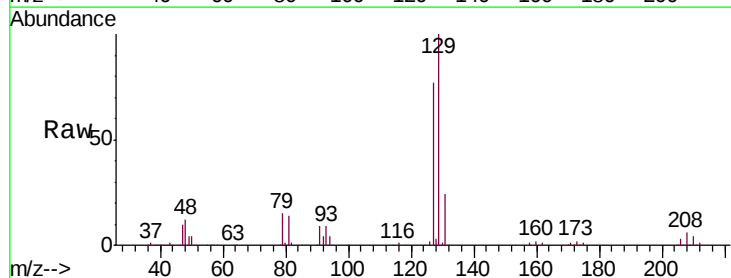


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

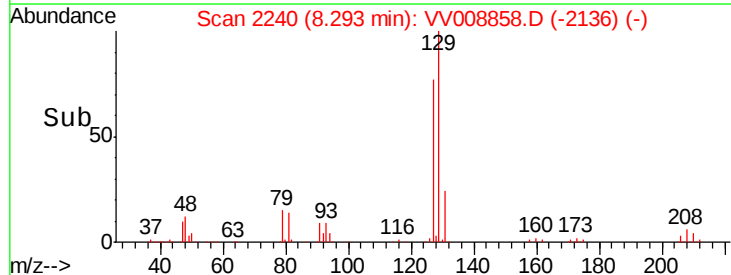
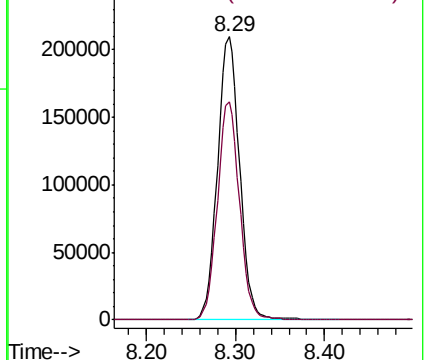


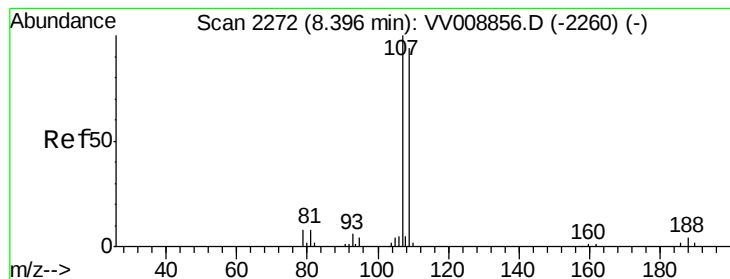
#50
Dibromochloromethane
Concen: 107.365 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

Tgt Ion: 129 Resp: 361094
Ion Ratio Lower Upper
129 100
127 77.0 53.5 99.3



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





#51

1,2-Dibromoethane

Concen: 100.536 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

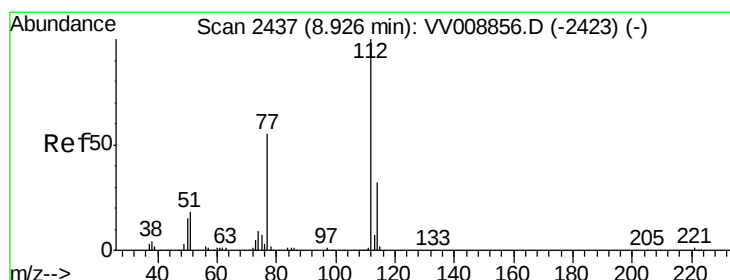
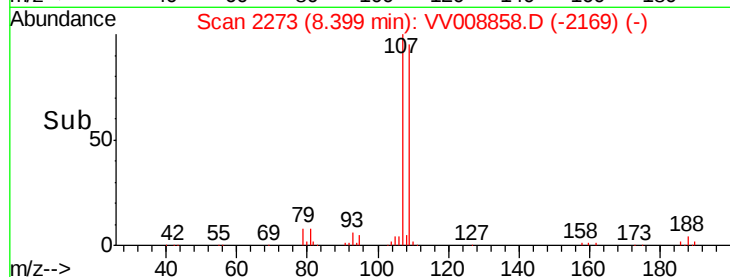
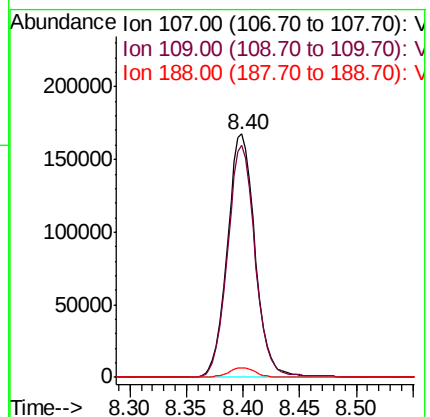
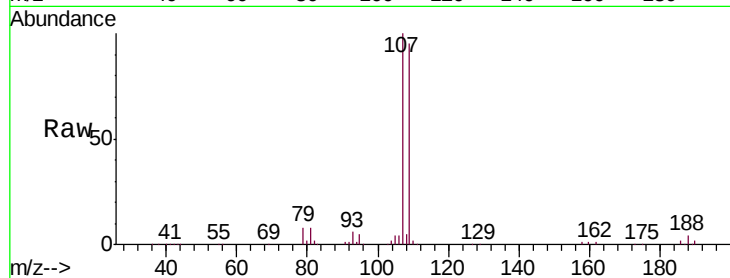
Tgt Ion:107 Resp: 285987

Ion Ratio Lower Upper

107 100

109 95.4 65.8 122.2

188 4.0 3.0 4.6



#52

Chlorobenzene

Concen: 97.790 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

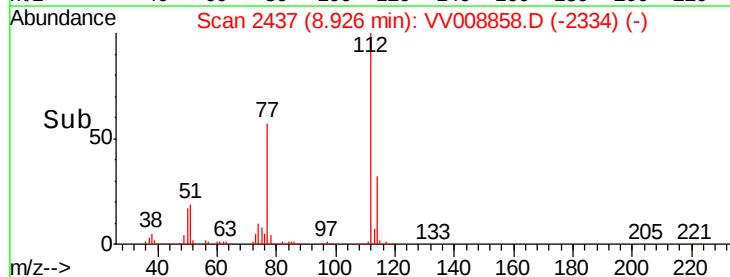
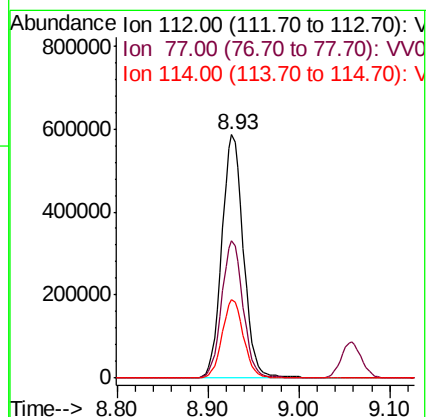
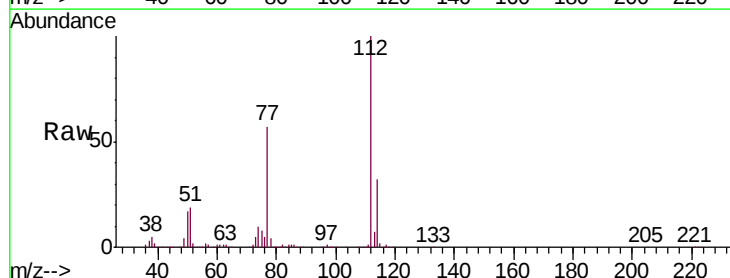
Tgt Ion:112 Resp: 966181

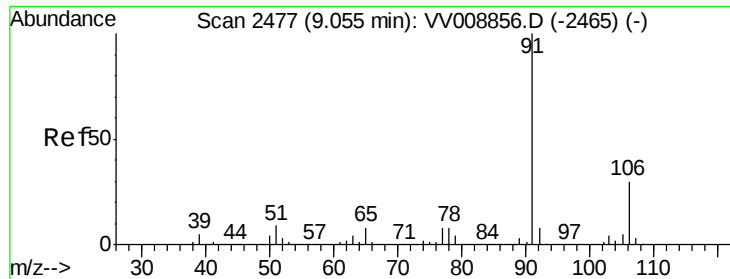
Ion Ratio Lower Upper

112 100

77 56.6 44.6 66.8

114 32.1 22.6 42.0





#53

Ethylbenzene

Concen: 96.290 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

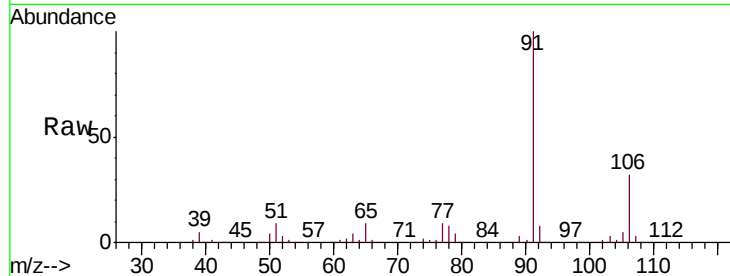
VSTD10065

Tgt Ion: 91 Resp: 1634003

Ion Ratio Lower Upper

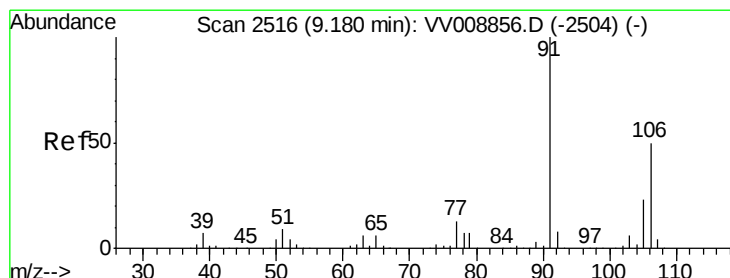
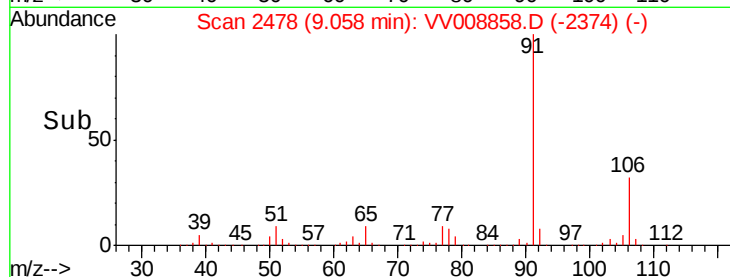
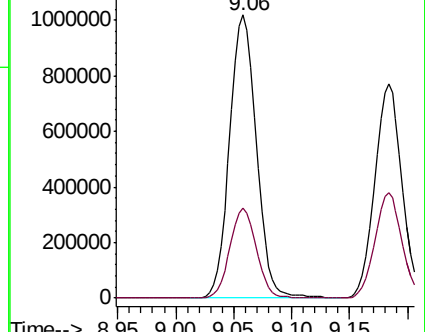
91 100

106 31.7 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008858.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV008858.D (-2465) (-)



#54

m,p-Xylene

Concen: 96.447 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008858.D

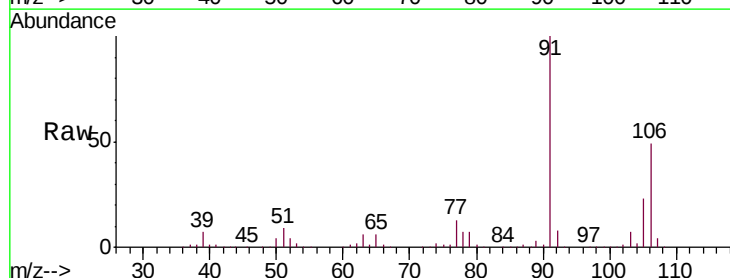
Acq: 06 Dec 2018 13:53

Tgt Ion: 106 Resp: 623428

Ion Ratio Lower Upper

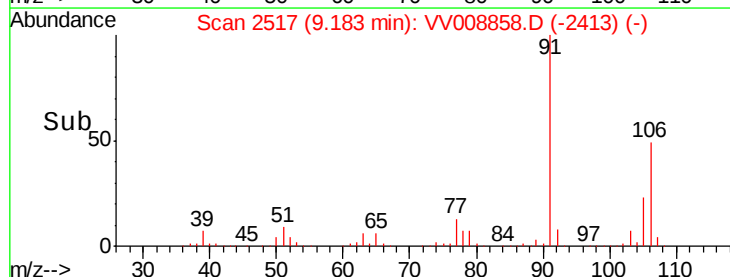
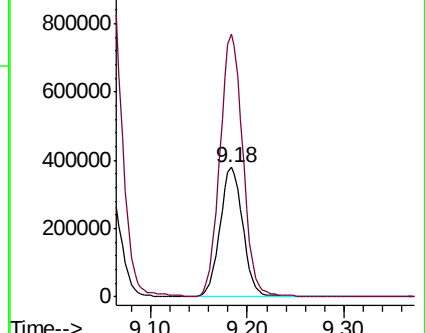
106 100

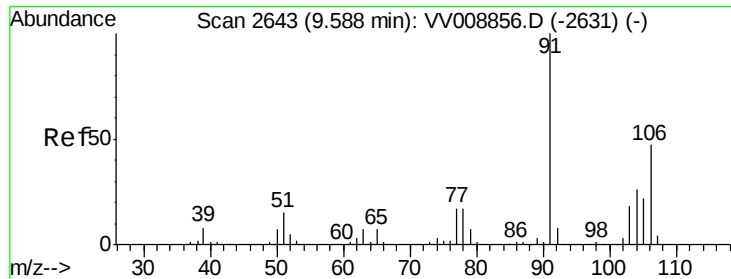
91 203.8 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): VV008858.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV008858.D (-2504) (-)

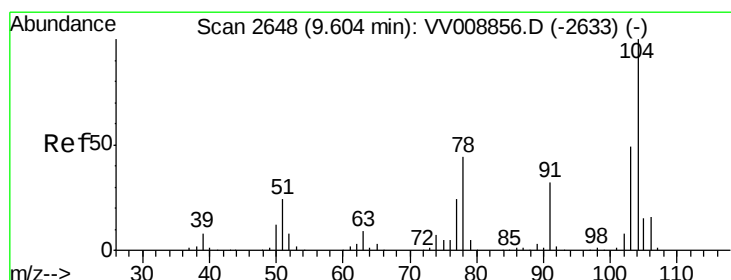
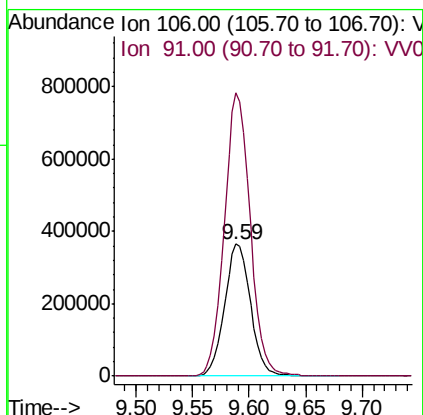
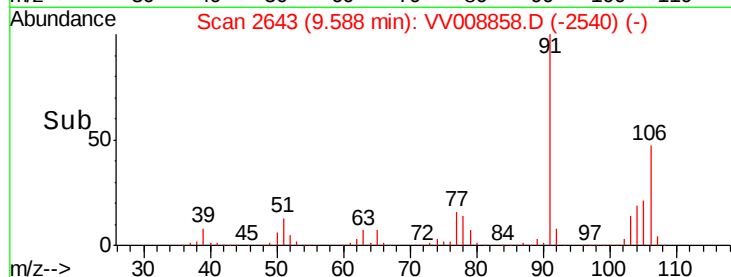
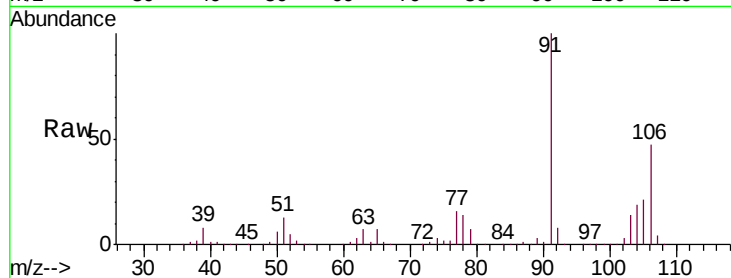




#55
o-xylene
Concen: 97.277 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

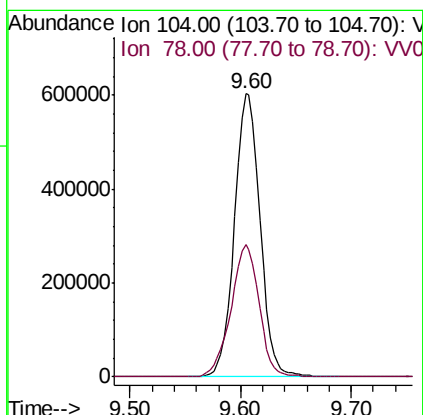
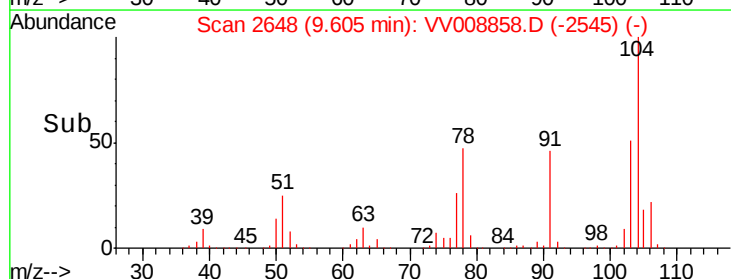
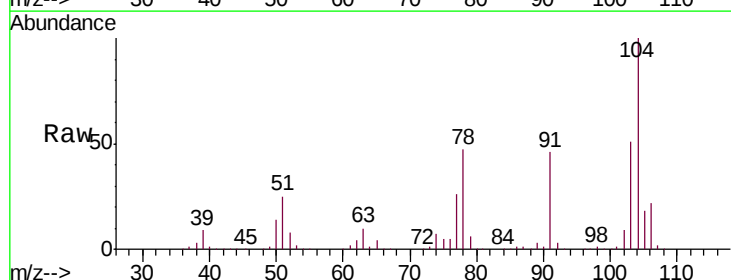
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

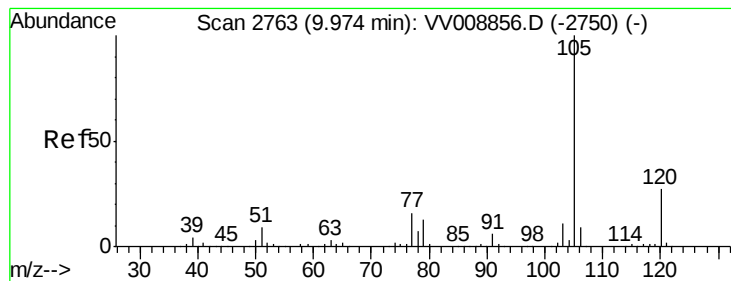
Tgt Ion:106 Resp: 582873
Ion Ratio Lower Upper
106 100
91 214.1 148.3 275.5



#56
Styrene
Concen: 97.924 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008858.D
Acq: 06 Dec 2018 13:53

Tgt Ion:104 Resp: 973188
Ion Ratio Lower Upper
104 100
78 46.5 30.6 56.8





#57

Isopropylbenzene

Concen: 96.663 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

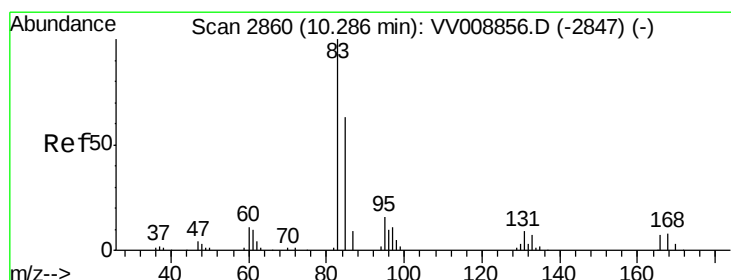
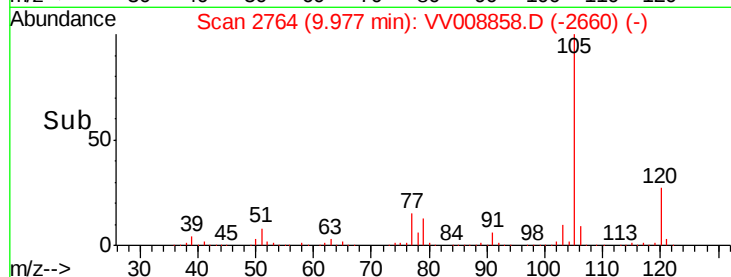
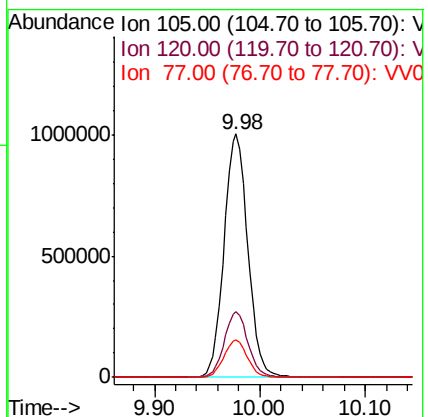
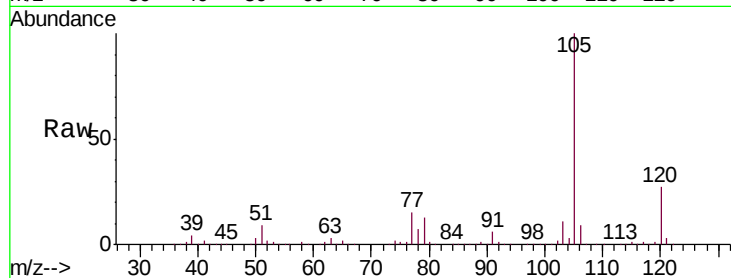
Tgt Ion:105 Resp: 1562693

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

77 15.2 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 101.947 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

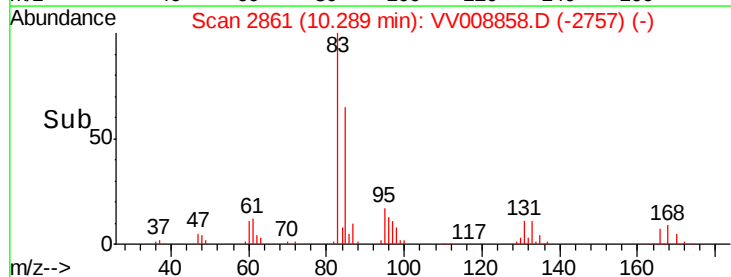
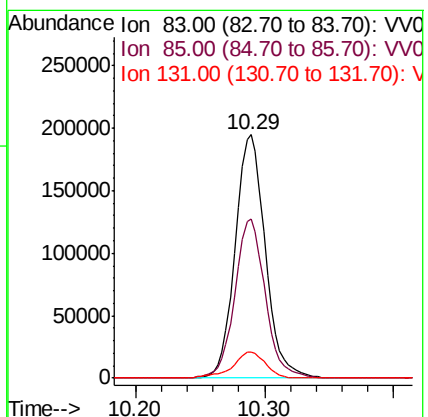
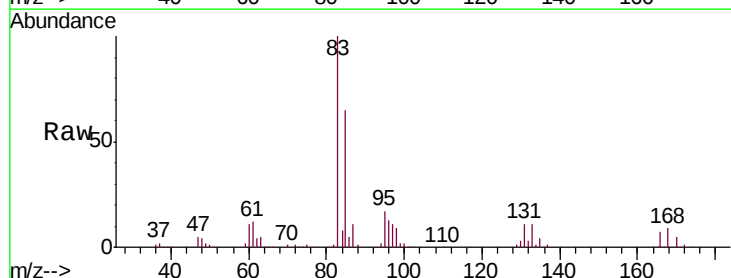
Tgt Ion: 83 Resp: 315683

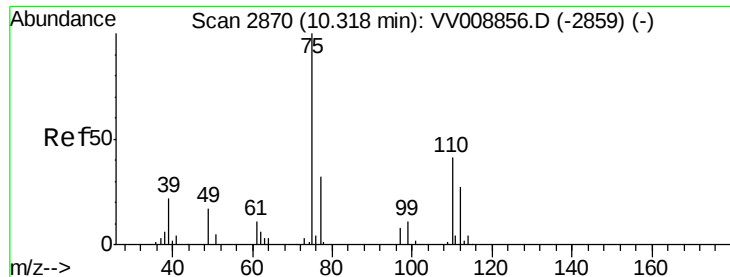
Ion Ratio Lower Upper

83 100

85 65.3 44.3 82.3

131 10.8 7.8 11.8

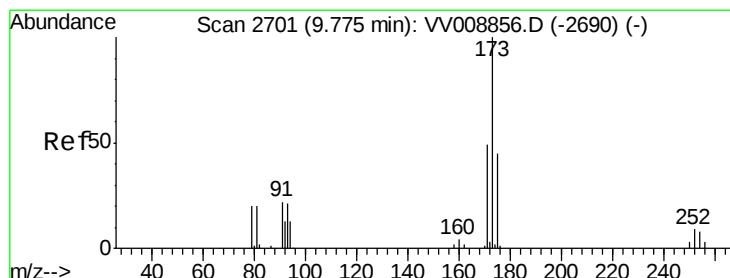
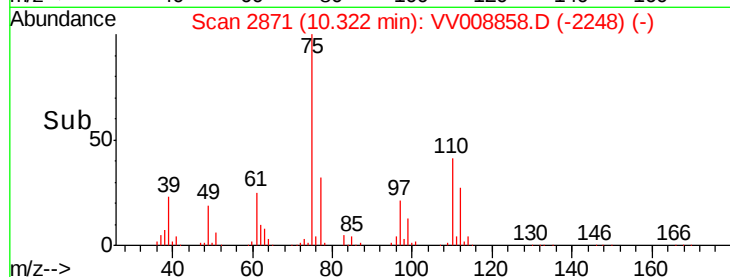
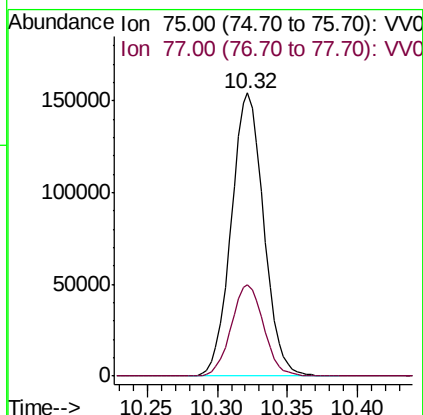
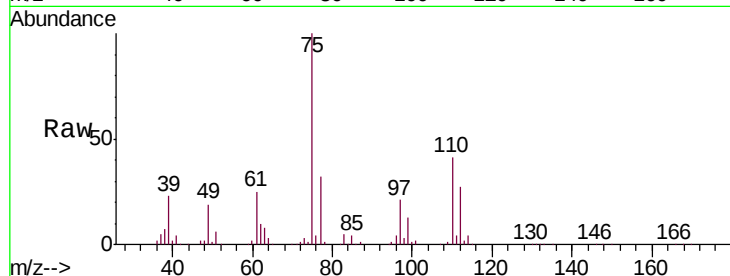




#59
 1,2,3-Trichloropropane
 Concen: 98.066 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008858.D
 Acq: 06 Dec 2018 13:53

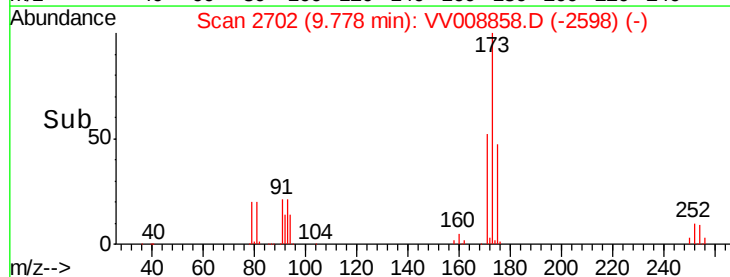
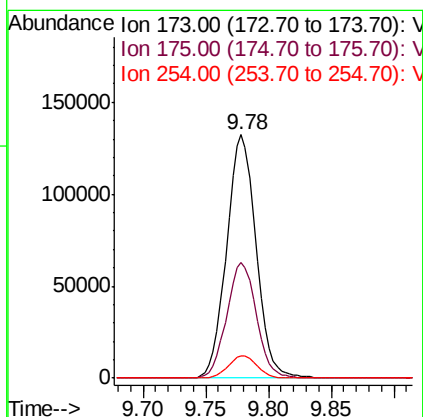
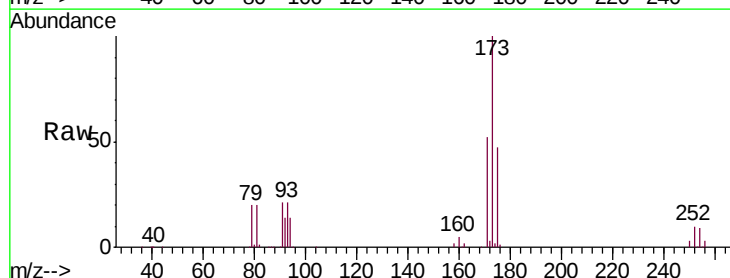
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

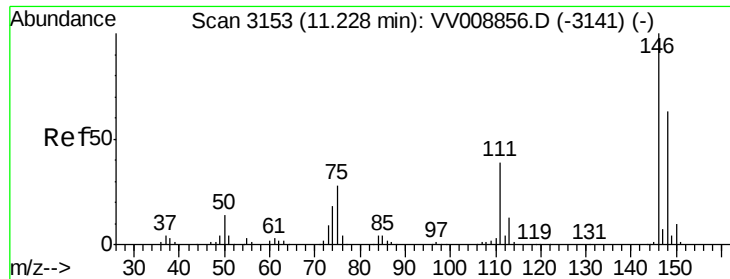
Tgt Ion: 75 Resp: 249131
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.6 38.4



#62
 Bromoform
 Concen: 106.699 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008858.D
 Acq: 06 Dec 2018 13:53

Tgt Ion: 173 Resp: 215532
 Ion Ratio Lower Upper
 173 100
 175 47.9 37.7 56.5
 254 9.2 7.1 10.7





#63

1,3-Dichlorobenzene

Concen: 97.049 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

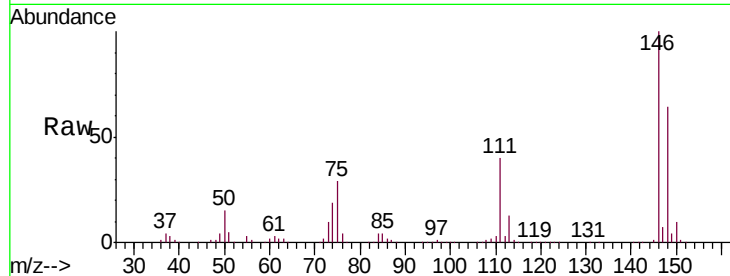
Tgt Ion:146 Resp: 703731

Ion Ratio Lower Upper

146 100

111 40.4 27.5 51.1

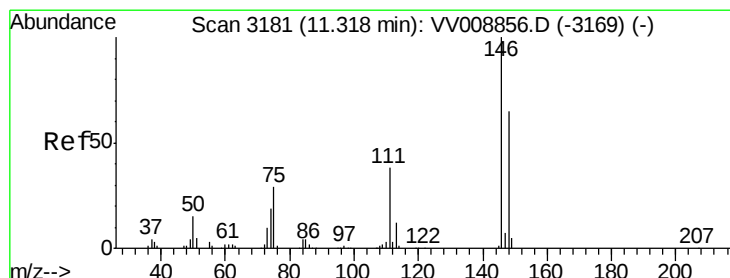
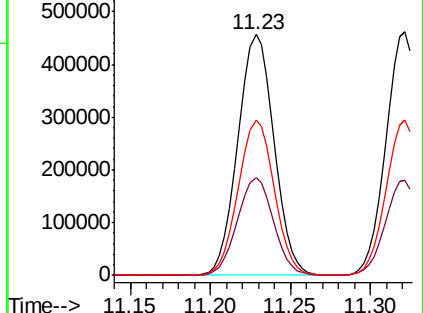
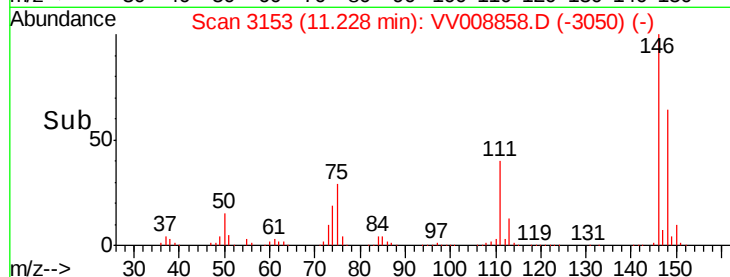
148 64.3 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 95.452 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

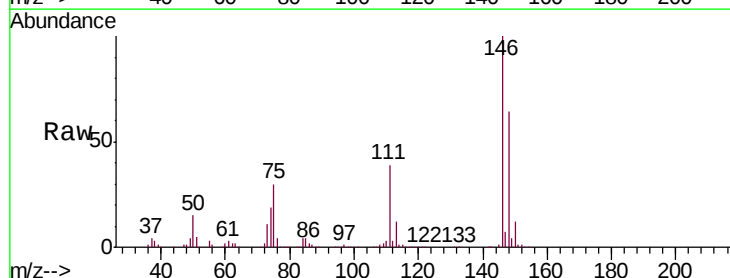
Tgt Ion:146 Resp: 704573

Ion Ratio Lower Upper

146 100

111 39.0 26.8 49.8

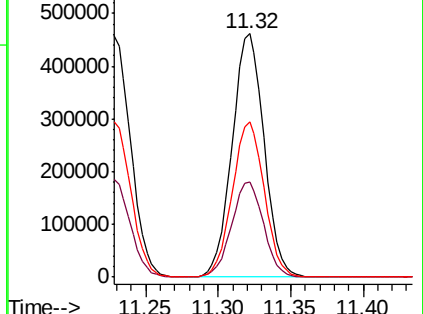
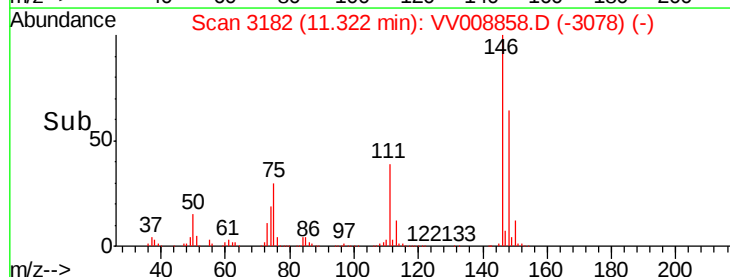
148 63.6 45.8 85.0

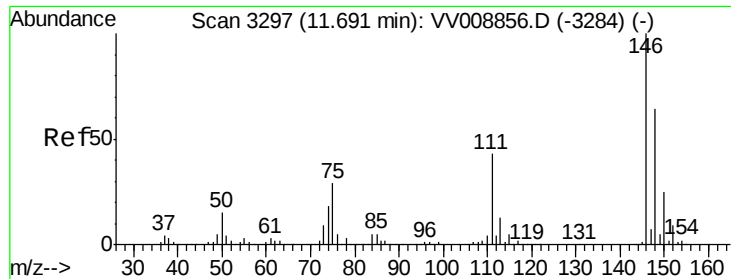


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 94.253 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

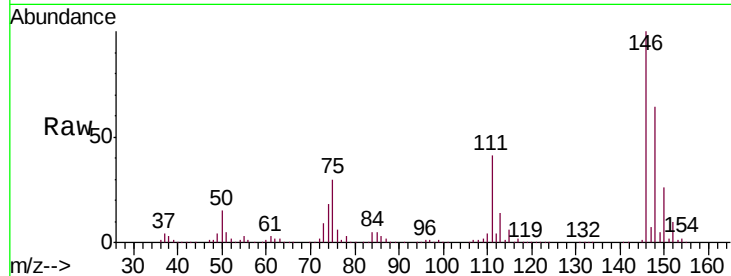
Tgt Ion: 146 Resp: 636858

Ion Ratio Lower Upper

146 100

111 41.4 34.2 51.4

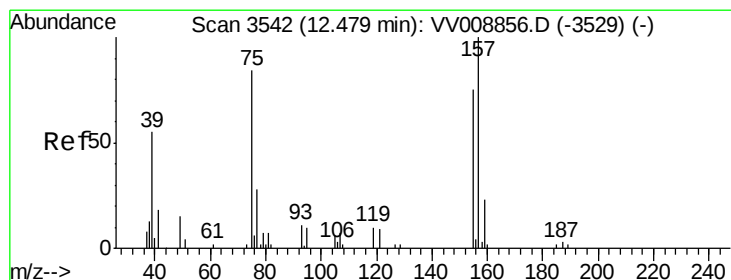
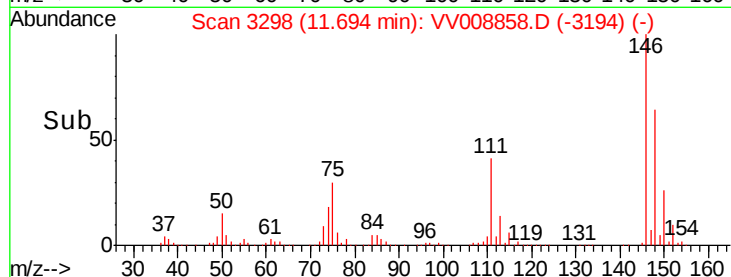
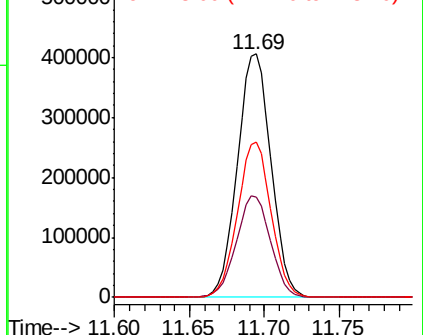
148 63.9 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 109.178 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

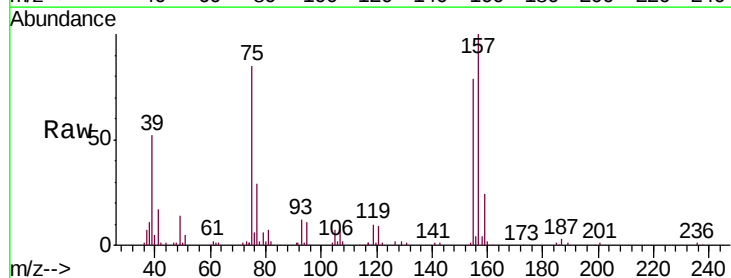
Tgt Ion: 75 Resp: 56905

Ion Ratio Lower Upper

75 100

157 117.5 95.8 143.6

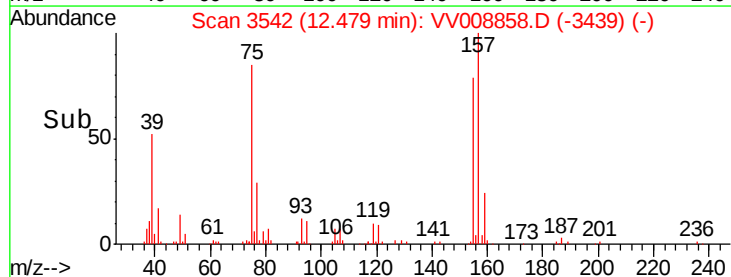
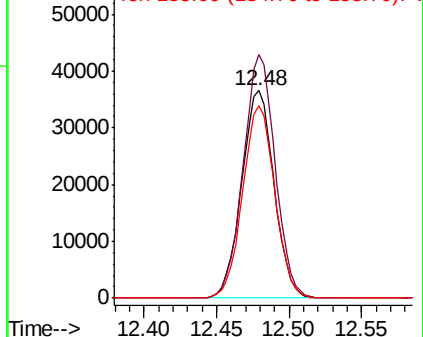
155 92.7 71.4 107.2

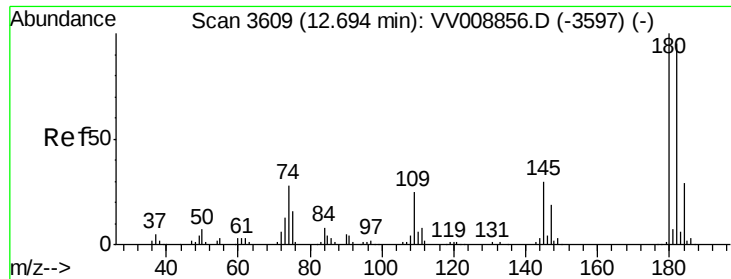


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

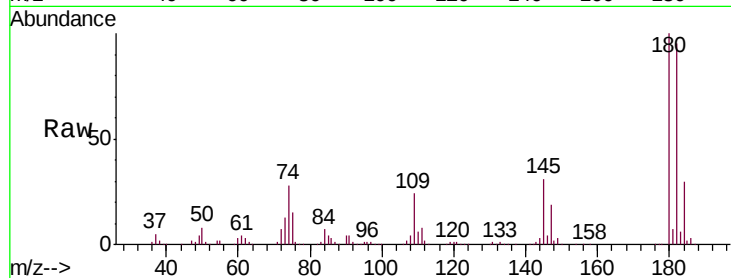




#67
 1,3,5-Trichlorobenzene
 Concen: 96.309 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008858.D
 Acq: 06 Dec 2018 13:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
184	30.1	23.8	35.6
145	30.7	24.2	36.4



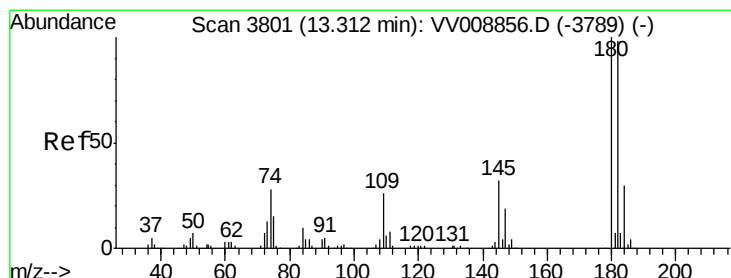
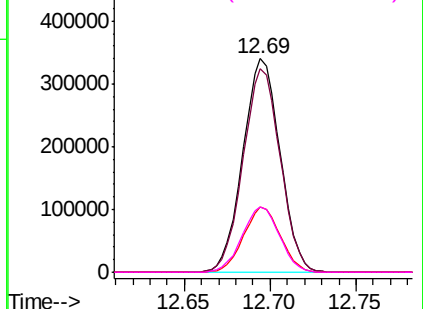
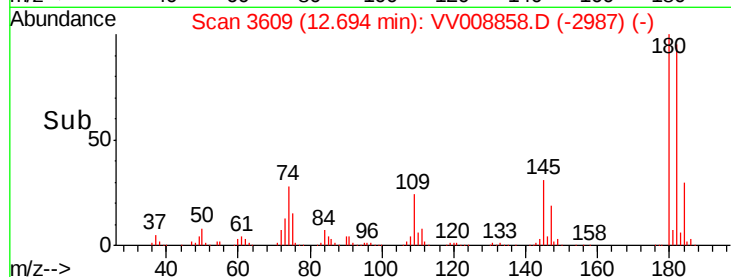
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

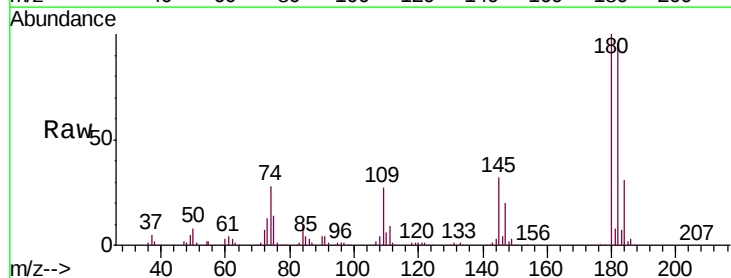
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 111.901 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008858.D
 Acq: 06 Dec 2018 13:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.4	116.0
145	31.4	25.6	38.4

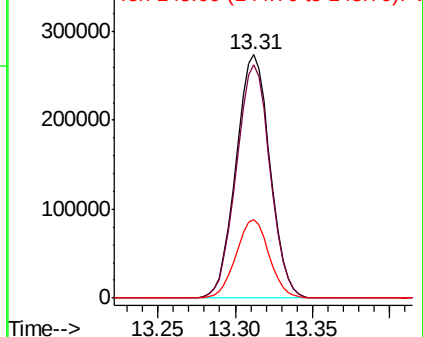
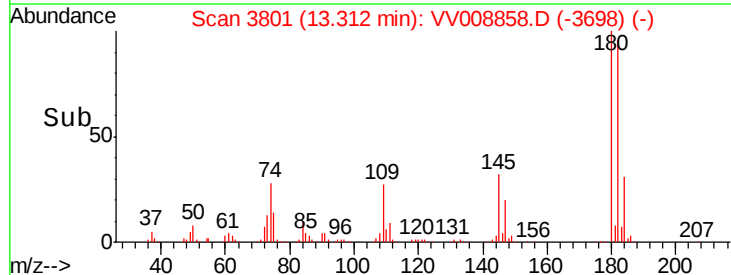


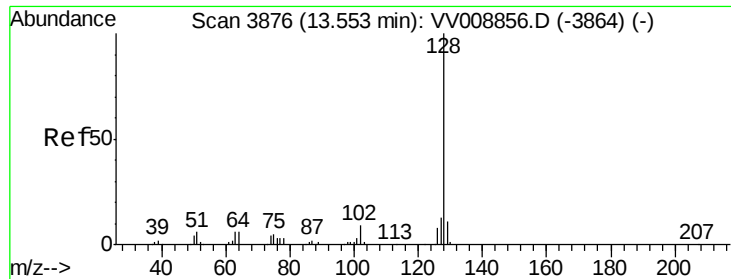
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 143.032 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

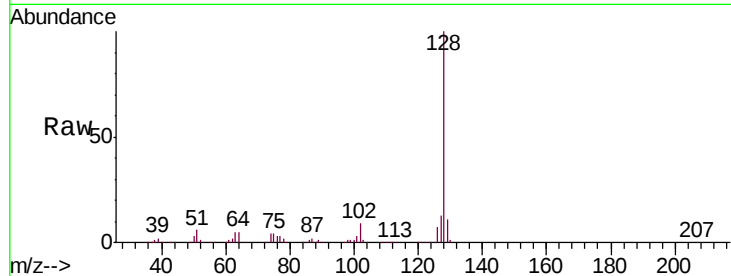
Tgt Ion:128 Resp: 854472

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

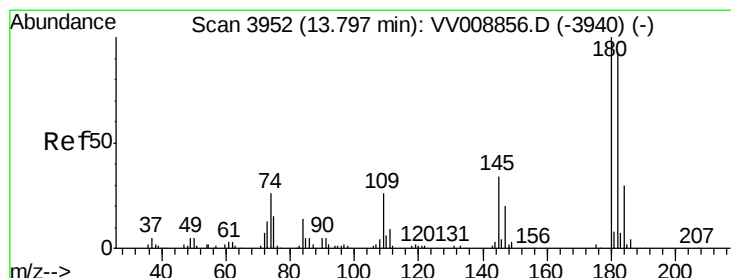
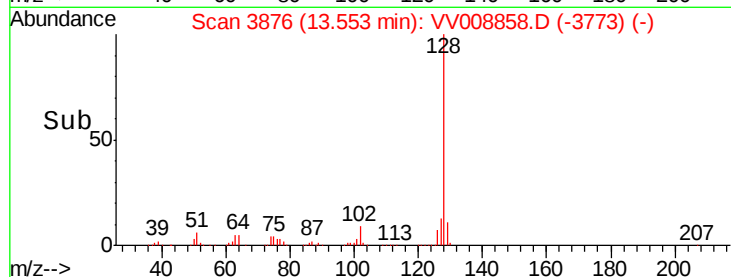
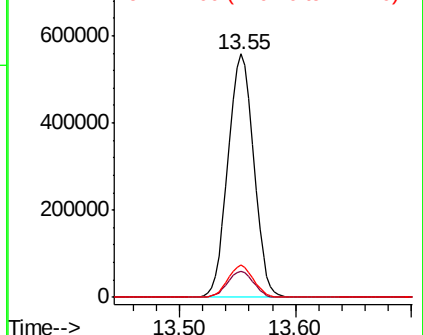
127 13.0 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 110.261 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV008858.D

Acq: 06 Dec 2018 13:53

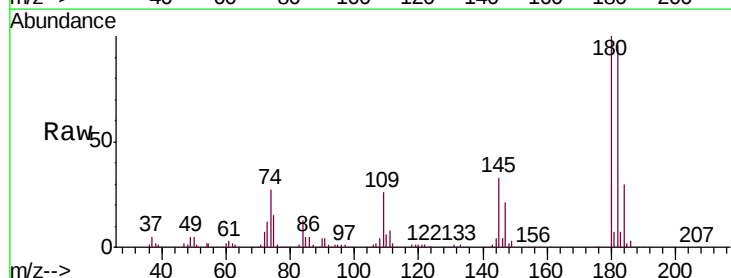
Tgt Ion:180 Resp: 378538

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 33.1 26.7 40.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

