

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122120\
 Data File : VV019767.D
 Acq On : 21 Dec 2020 10:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 22 00:18:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 21 13:56:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	787018	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	744364	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	363351	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	236903	41.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.96%
7) Chloroethane-d5	1.57	69	197108	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.56%
11) 1,1-Dichloroethene-d2	2.11	63	473017	45.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.32%
21) 2-Butanone-d5	3.89	46	367036	119.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.66%
24) Chloroform-d	4.35	84	477795	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
26) 1,2-Dichloroethane-d4	5.03	65	317666	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
32) Benzene-d6	5.05	84	916020	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.28%
36) 1,2-Dichloropropane-d6	6.07	67	295665	47.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.08%
41) Toluene-d8	7.32	98	825795	46.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.62	79	154481	43.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.34%
47) 2-Hexanone-d5	8.09	63	249412	102.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.19%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	387969	46.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.24%
64) 1,2-Dichlorobenzene-d4	11.63	152	311661	45.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.78%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	275839	43.430	ug/L 100
3) Chloromethane	1.24	50	296905	43.979	ug/L 98
5) Vinyl chloride	1.31	62	295379	43.620	ug/L 98
6) Bromomethane	1.52	94	178173	43.813	ug/L 99
8) Chloroethane	1.59	64	183375	44.895	ug/L 100
9) Trichlorofluoromethane	1.75	101	373228	45.112	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	221982	48.584	ug/L 98
12) 1,1-Dichloroethene	2.12	96	208761	44.525	ug/L # 73
13) Acetone	2.19	43	278220	106.467	ug/L 99
14) Carbon disulfide	2.30	76	621959	40.372	ug/L 100
15) Methyl Acetate	2.43	43	277941	48.818	ug/L 98
16) Methylene chloride	2.51	84	251068	45.672	ug/L 96
17) trans-1,2-Dichloroethene	2.76	96	229676	44.692	ug/L 100
18) Methyl tert-butyl Ether	2.77	73	796819	44.373	ug/L 99
19) 1,1-Dichloroethane	3.19	63	464931	46.665	ug/L 99
20) cis-1,2-Dichloroethene	3.91	96	255100	45.156	ug/L # 98
22) 2-Butanone	3.97	43	395179	103.094	ug/L 99

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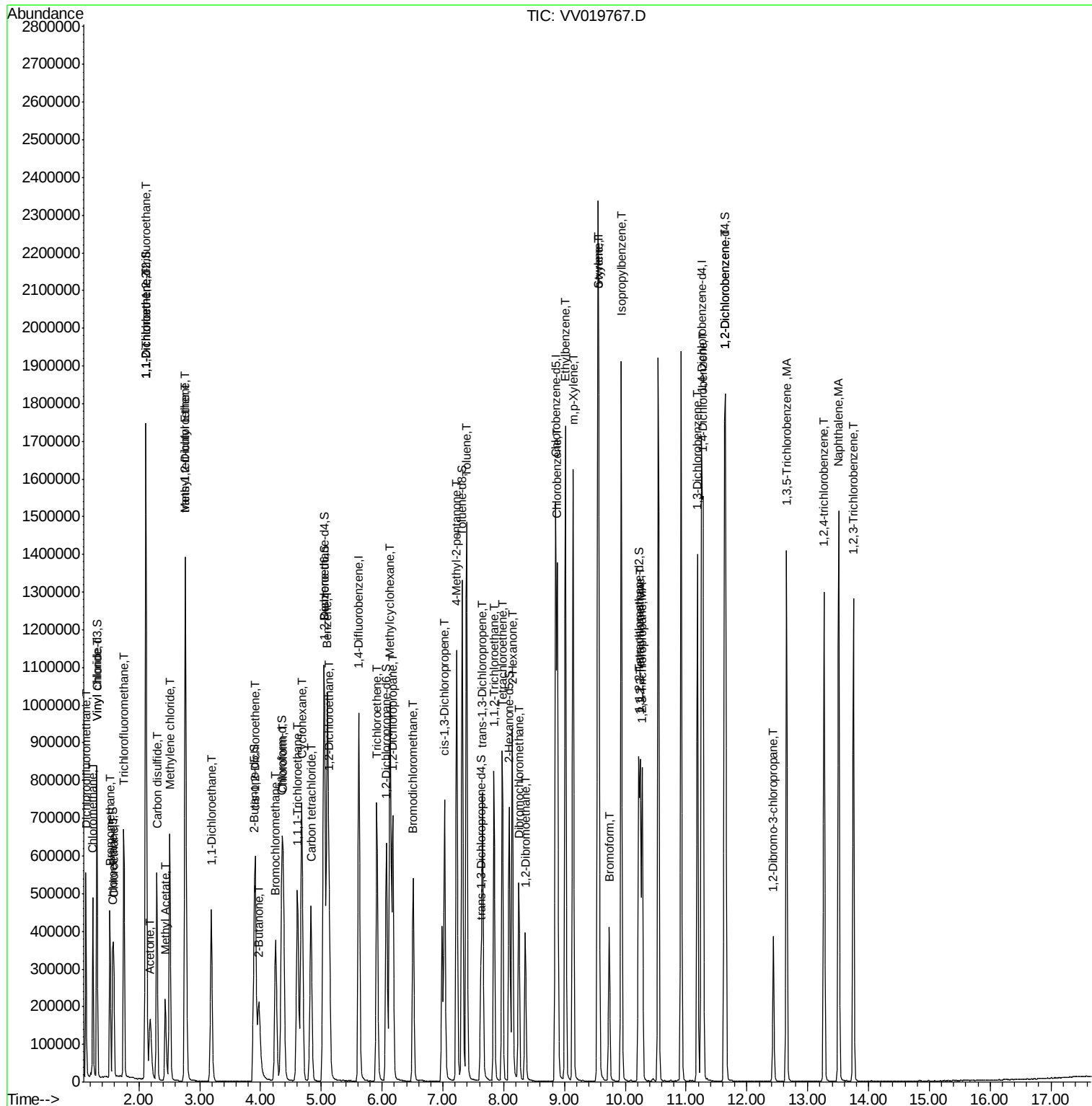
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	122800	44.179	ug/L	95
25) Chloroform	4.38	83	465645	46.796	ug/L	99
27) 1,2-Dichloroethane	5.13	62	380781	46.192	ug/L	98
29) Cyclohexane	4.68	56	412480	45.213	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	406280	43.530	ug/L	99
31) Carbon tetrachloride	4.83	117	339964	43.148	ug/L	99
33) Benzene	5.10	78	984397	45.250	ug/L	100
34) Trichloroethene	5.91	95	257863	44.871	ug/L	99
35) Methylcyclohexane	6.13	83	410671	47.040	ug/L	98
37) 1,2-Dichloropropane	6.17	63	262980	46.290	ug/L	99
38) Bromodichloromethane	6.51	83	350512	44.122	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	413387	43.811	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	767319	93.617	ug/L	98
42) Toluene	7.39	91	1030005	44.923	ug/L	98
44) trans-1,3-Dichloropropene	7.65	75	415373	43.476	ug/L	98
45) 1,1,2-Trichloroethane	7.84	97	241003	44.672	ug/L	98
46) Tetrachloroethene	7.98	164	176738	44.446	ug/L	98
48) 2-Hexanone	8.14	43	585367	94.122	ug/L	98
49) Dibromochloromethane	8.25	129	255794	43.294	ug/L	98
50) 1,2-Dibromoethane	8.35	107	253084	44.547	ug/L	99
51) Chlorobenzene	8.88	112	655742	44.779	ug/L	100
52) Ethylbenzene	9.02	91	1177278	45.066	ug/L	100
53) m,p-Xylene	9.14	106	433090	44.376	ug/L	99
54) o-xylene	9.55	106	423909	44.314	ug/L	98
55) Styrene	9.56	104	740523	44.416	ug/L	100
56) Isopropylbenzene	9.94	105	1157608	45.424	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	388105	44.734	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	325877	46.116	ug/L	100
61) Bromoform	9.73	173	165896	41.263	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	504181	45.226	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	511730	45.331	ug/L	100
65) 1,2-Dichlorobenzene	11.65	146	503149	45.676	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	95688	41.614	ug/L	95
67) 1,3,5-Trichlorobenzene	12.65	180	379233	48.148	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	341803	46.413	ug/L	100
69) Naphthalene	13.51	128	1087969	42.546	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	330988	45.991	ug/L	99

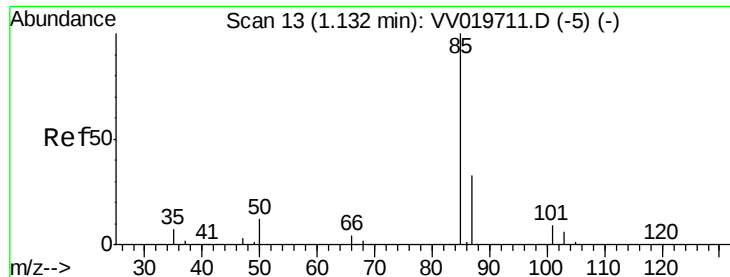
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 43.430 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

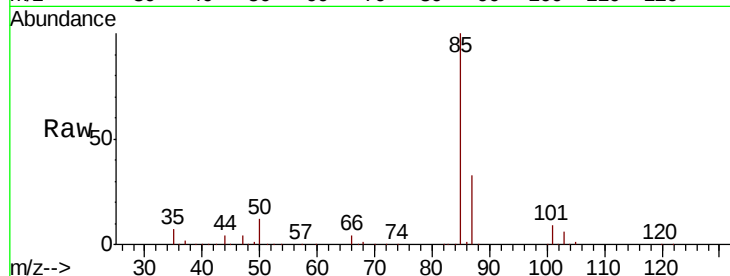
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 275839

Ion Ratio Lower Upper

85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV019767.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019767.D (-1) (-)

1.13

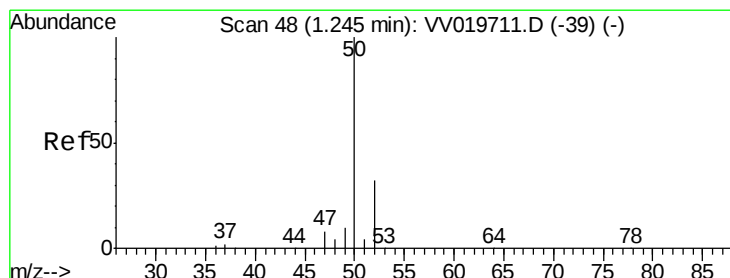
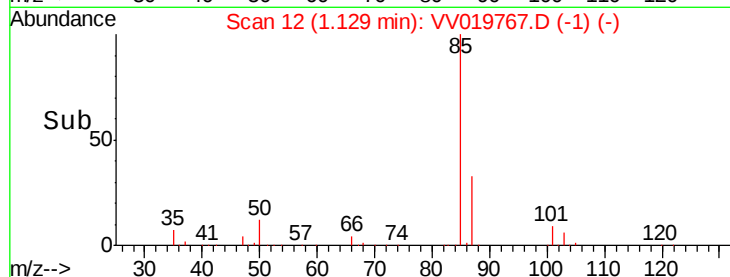
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 43.979 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019767.D

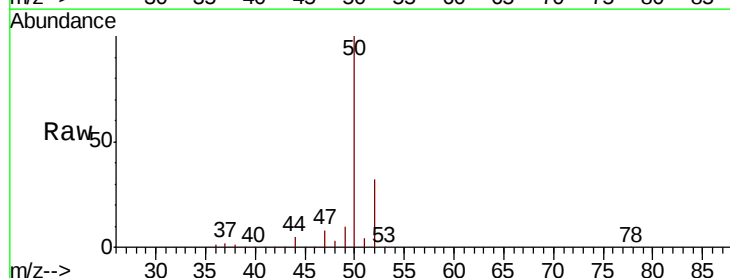
Acq: 21 Dec 2020 10:04

Tgt Ion: 50 Resp: 296905

Ion Ratio Lower Upper

50 100

52 32.1 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV019767.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019767.D (-1) (-)

1.24

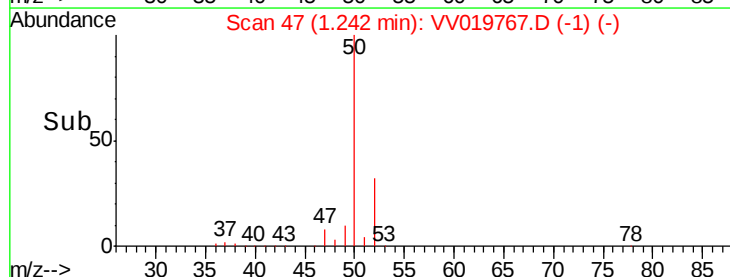
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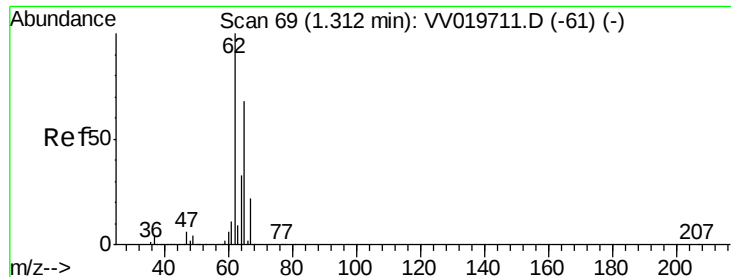
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 43.620 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Instrument :

MSVOA_V

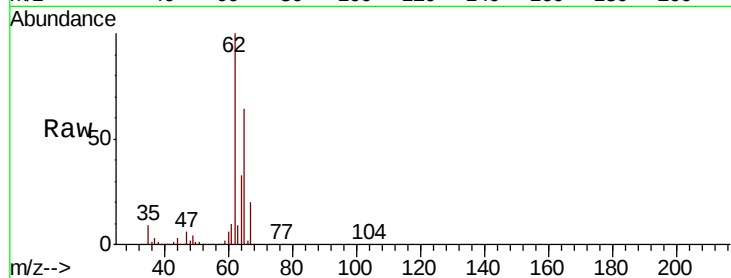
ClientSampled :

Tot Ion: 62 Resp: 295379

Ion Ratio Lower Upper

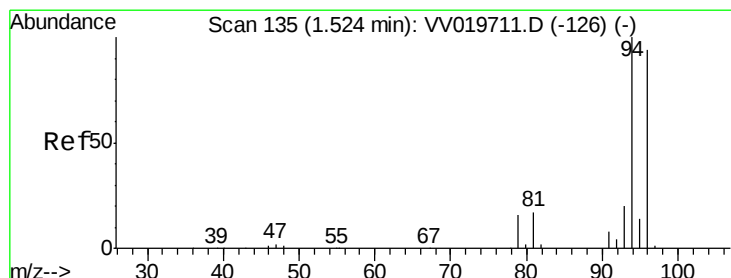
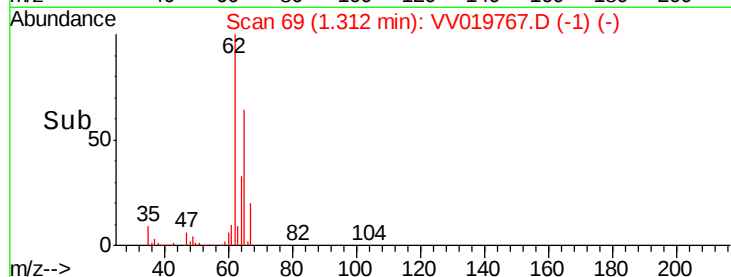
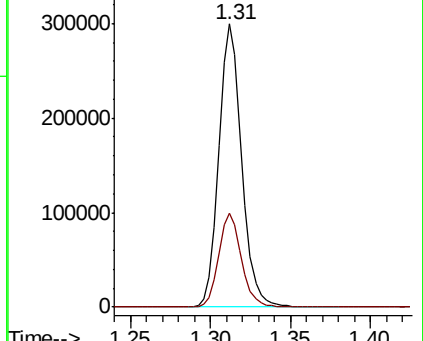
62 100

64 33.1 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 43.813 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019767.D

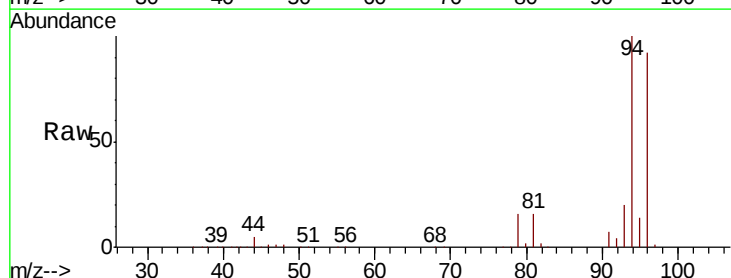
Acq: 21 Dec 2020 10:04

Tgt Ion: 94 Resp: 178173

Ion Ratio Lower Upper

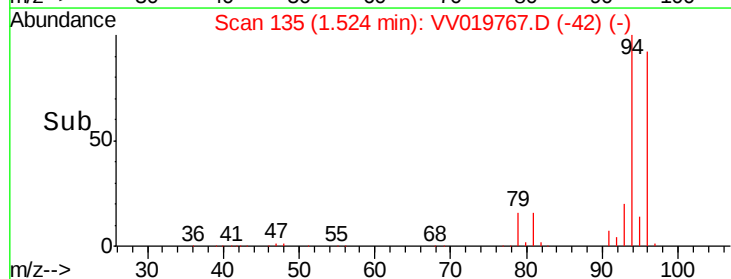
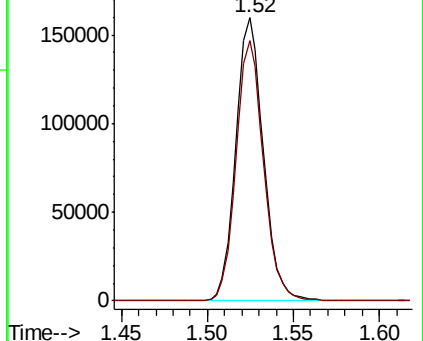
94 100

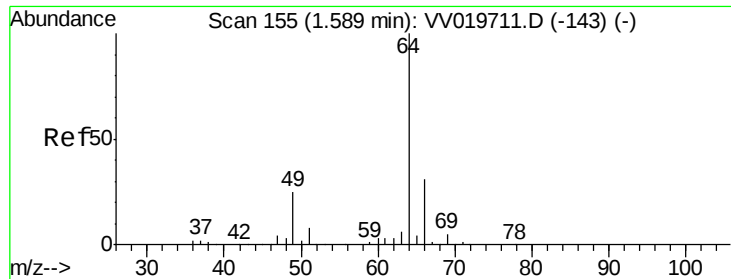
96 92.1 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 44.895 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

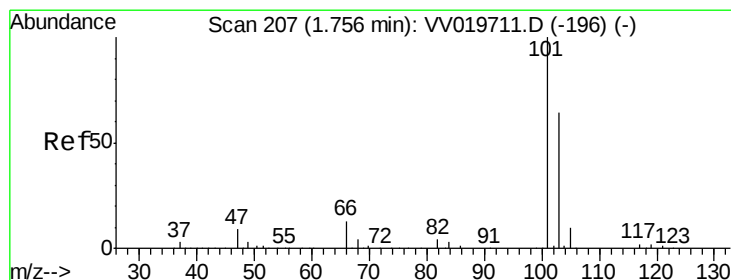
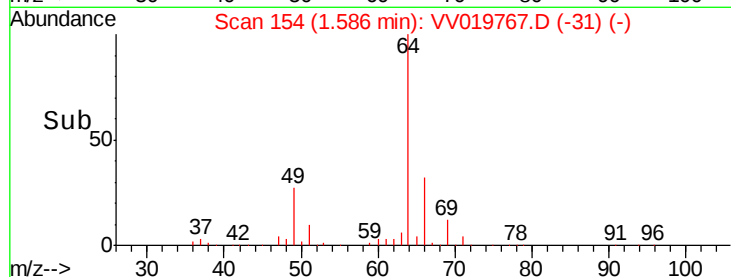
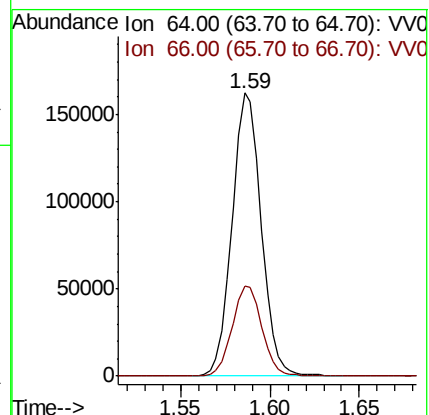
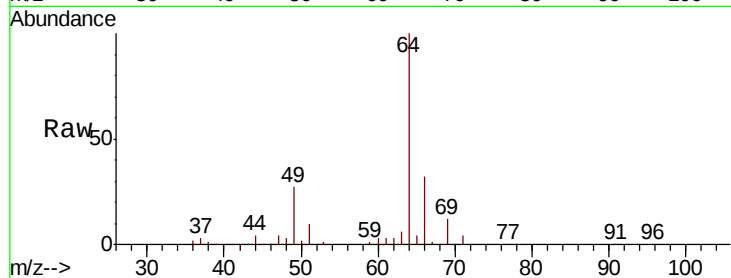
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 183375

Ion Ratio Lower Upper

64 100

66 31.8 22.5 41.7



#9

Trichlorofluoromethane

Concen: 45.112 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.00 min

Lab File: VV019767.D

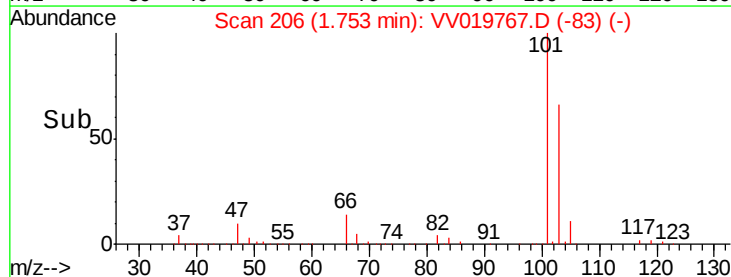
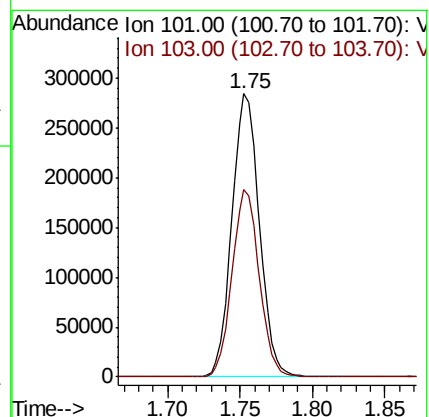
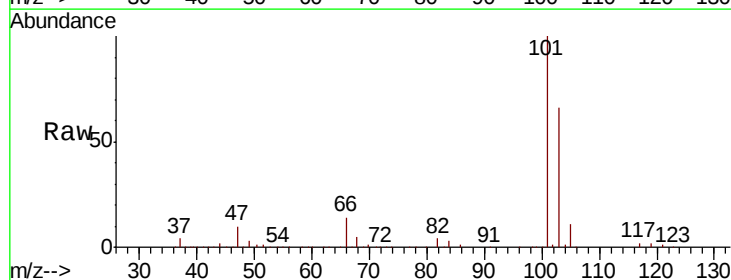
Acq: 21 Dec 2020 10:04

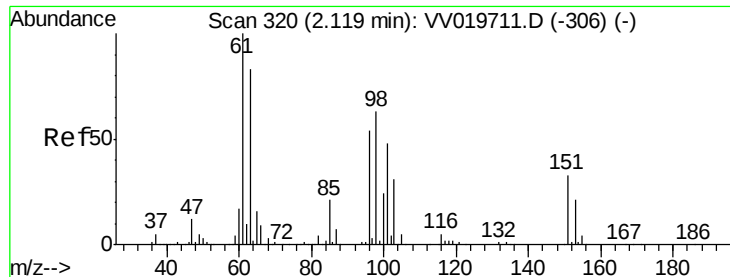
Tgt Ion: 101 Resp: 373228

Ion Ratio Lower Upper

101 100

103 65.4 51.6 77.4





#10

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

Concen: 48.584 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Instrument :

MSVOA_V

ClientSampled :

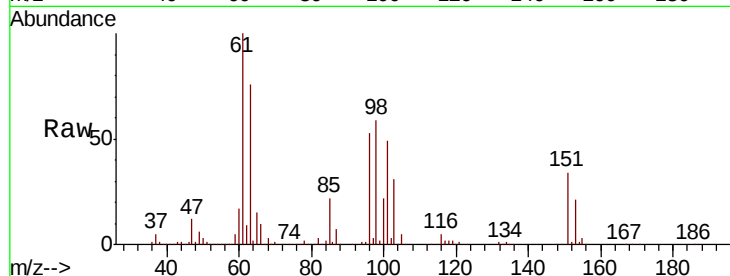
Tot Ion:101 Resp: 221982

Ion Ratio Lower Upper

101 100

85 44.7 35.0 52.4

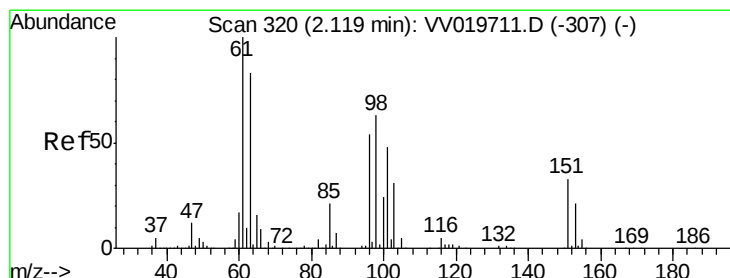
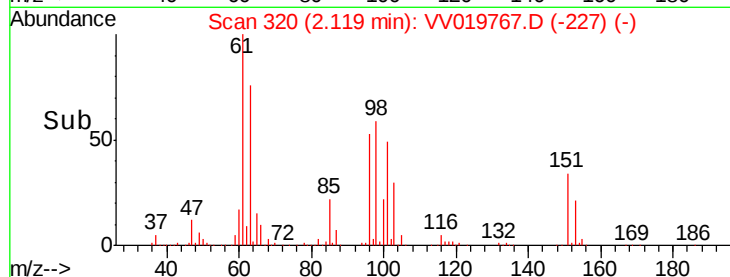
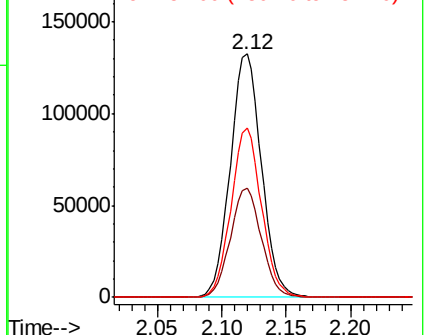
151 68.2 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019767.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019767.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019767.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 44.525 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

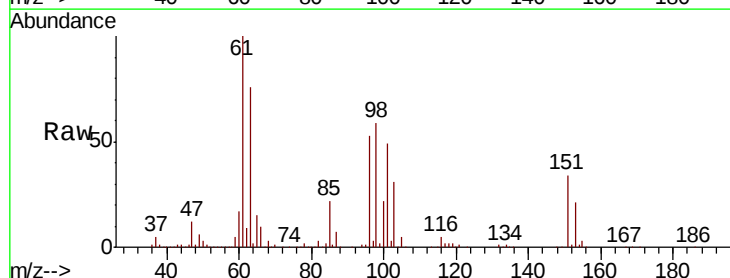
Tgt Ion: 96 Resp: 208761

Ion Ratio Lower Upper

96 100

61 188.6 120.7 224.1

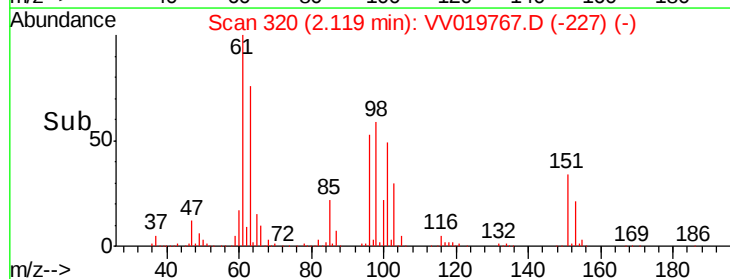
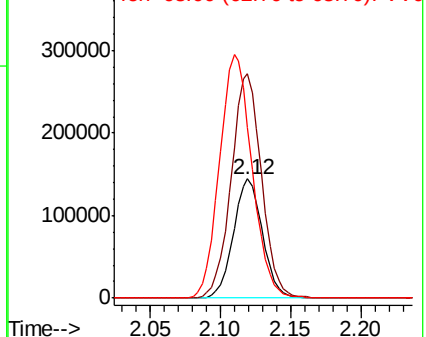
63 143.5 64.3 119.5#

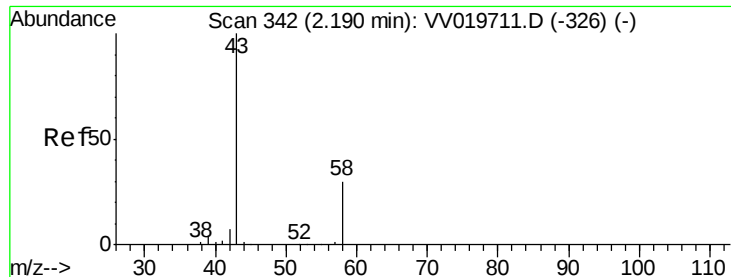


Abundance Ion 96.00 (95.70 to 96.70): VV019767.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019767.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019767.D (-227) (-)





#13

Acetone

Concen: 106.467 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

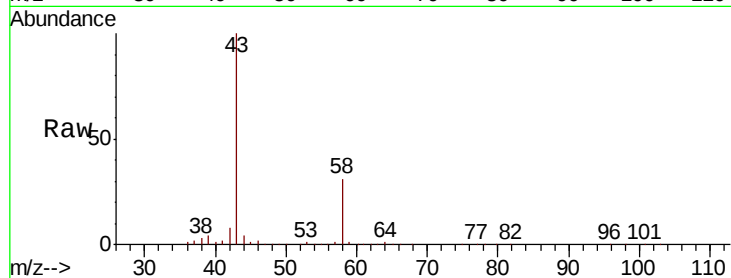
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 278220

Ion Ratio Lower Upper

43 100

58 30.3 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV019711.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV019711.D (-326) (-)

2.19

100000

80000

60000

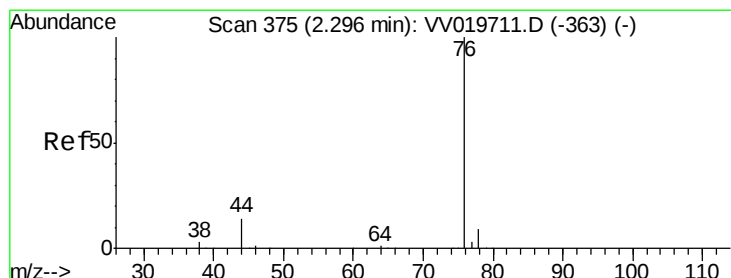
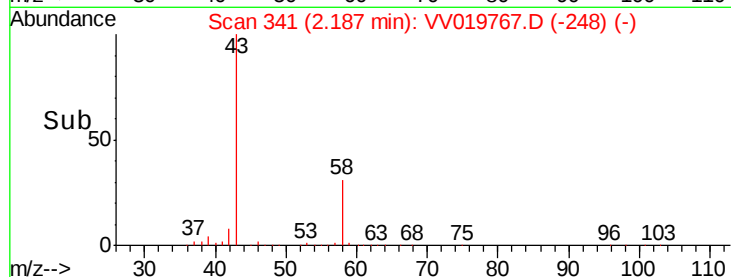
40000

20000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 40.372 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019767.D

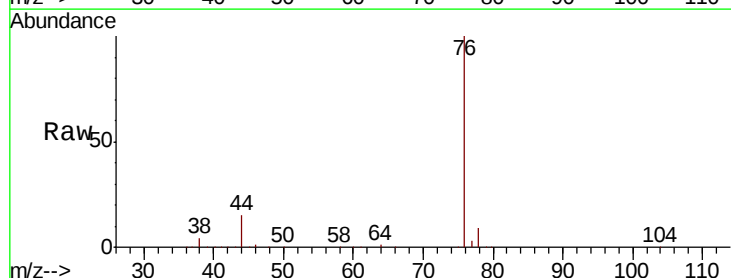
Acq: 21 Dec 2020 10:04

Tgt Ion: 76 Resp: 621959

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV019711.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VV019711.D (-363) (-)

2.30

400000

300000

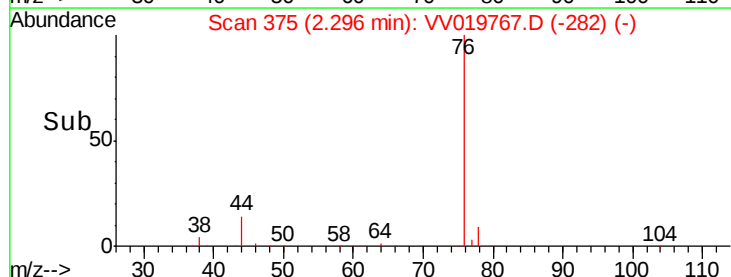
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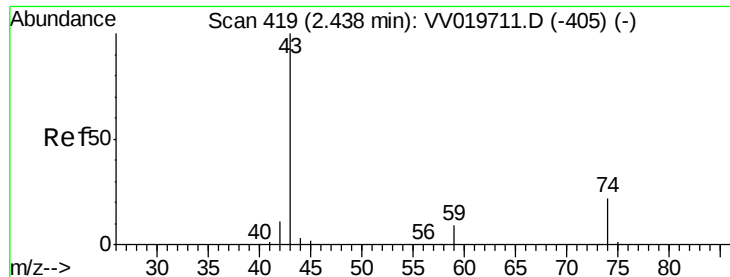
100000

0

Time-->

2.20 2.25 2.30 2.35 2.40

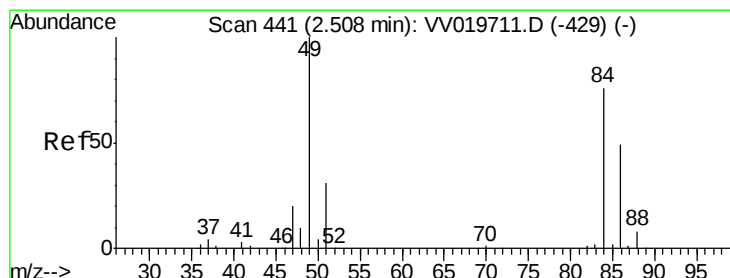
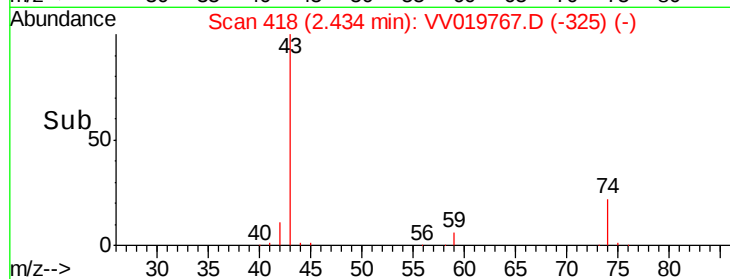
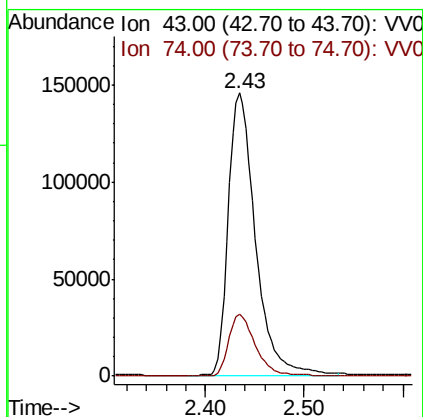
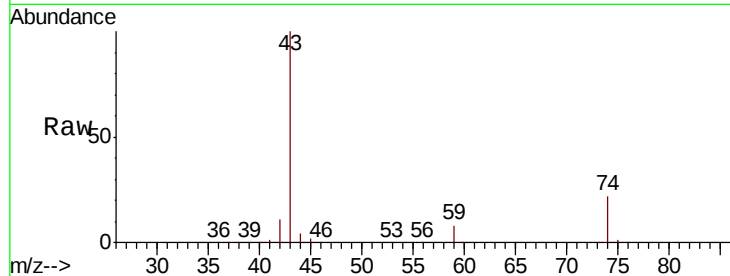




#15
Methvl Acetate
Concen: 48.818 ug/L
RT: 2.43 min Scan# 418
Delta R.T. 0.00 min
Lab File: VV019767.D
Acq: 21 Dec 2020 10:04

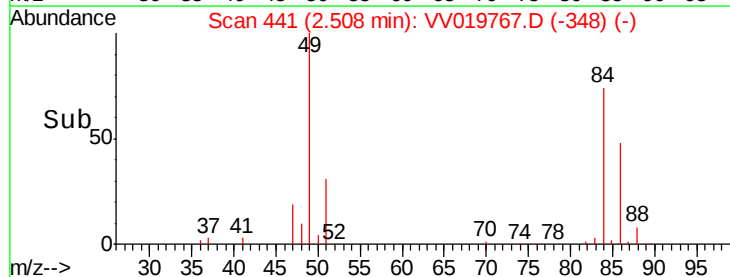
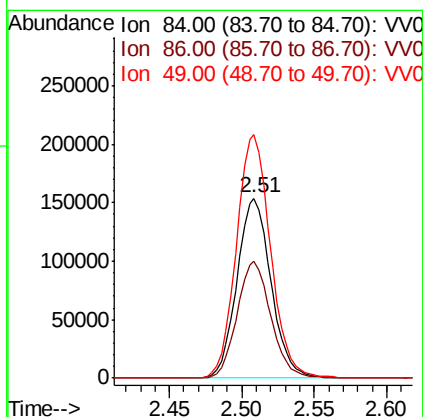
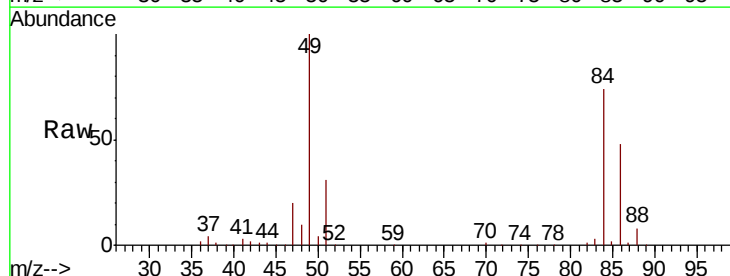
Instrument :
MSVOA_V
ClientSampleId :

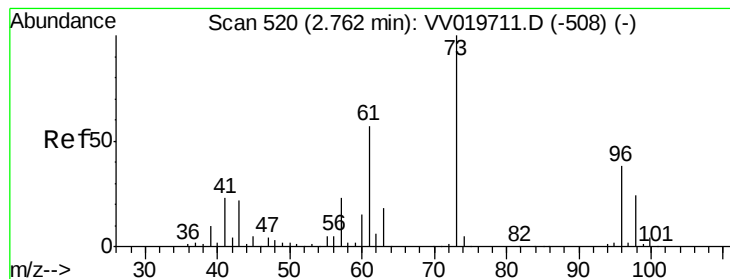
Tot Ion: 43 Resp: 277941
Ion Ratio Lower Upper
43 100
74 22.0 18.2 27.4



#16
Methylene chloride
Concen: 45.672 ug/L
RT: 2.51 min Scan# 441
Delta R.T. 0.00 min
Lab File: VV019767.D
Acq: 21 Dec 2020 10:04

Tgt Ion: 84 Resp: 251068
Ion Ratio Lower Upper
84 100
86 64.5 45.7 84.9
49 135.1 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 44.692 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

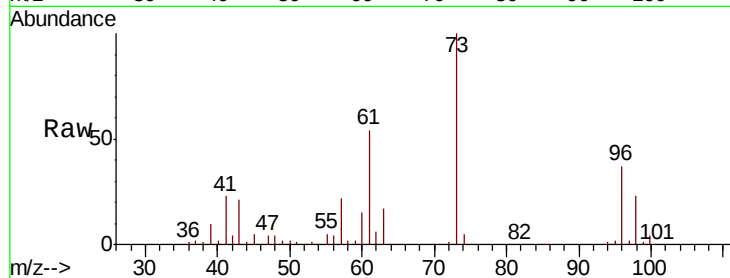
Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 229676

Ion	Ratio	Lower	Upper
96	100		
61	148.2	103.5	192.1
98	63.6	44.4	82.5

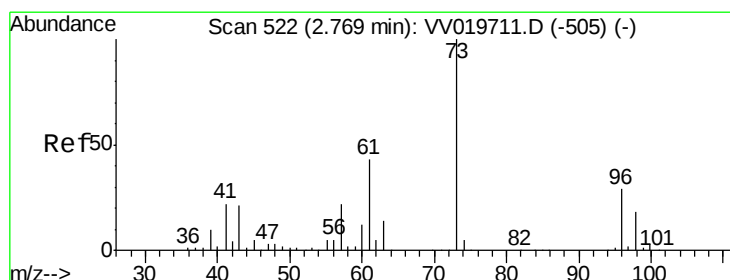
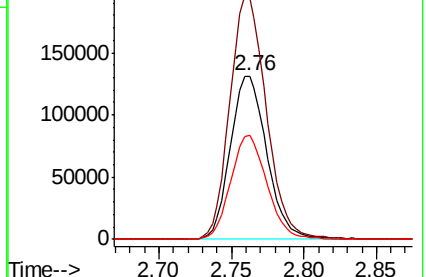
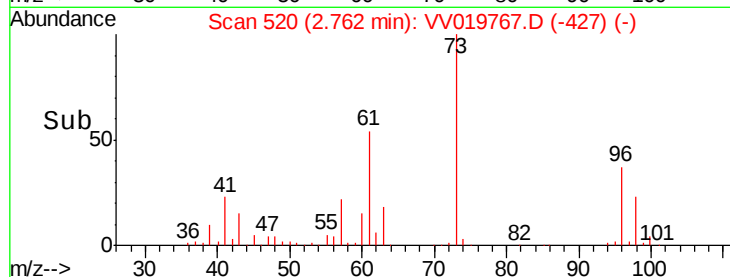


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 44.373 ug/L

RT: 2.77 min Scan# 522

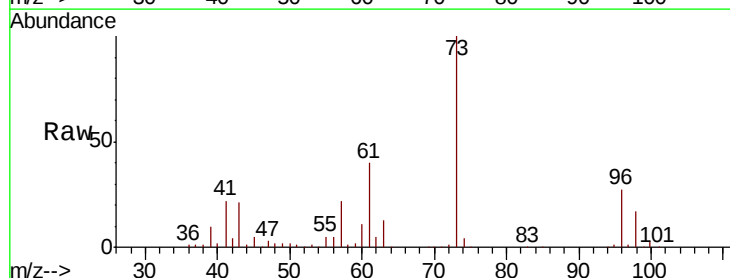
Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Tgt Ion: 73 Resp: 796819

Ion	Ratio	Lower	Upper
73	100		
43	21.0	17.3	25.9
57	22.5	17.5	26.3

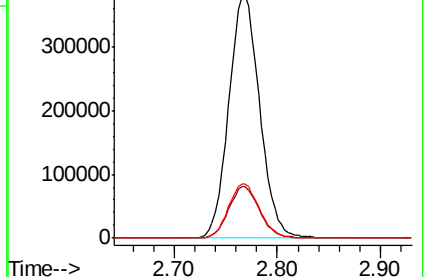
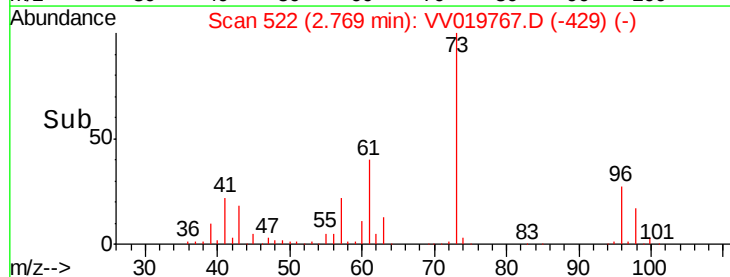


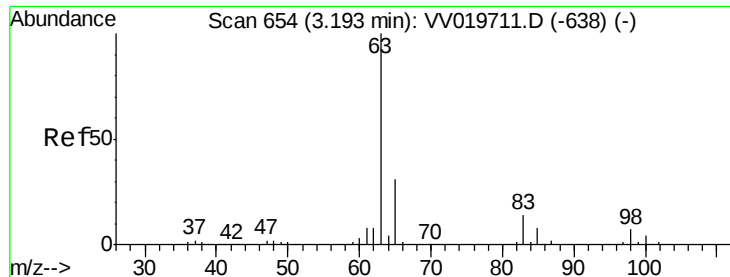
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

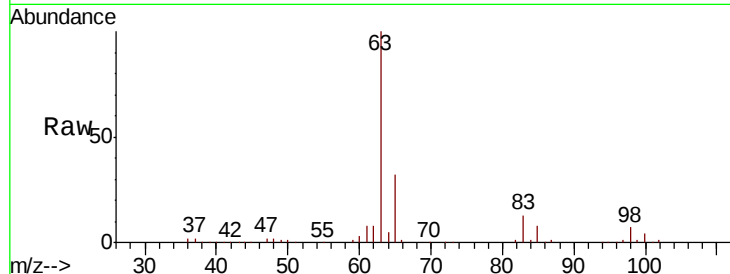




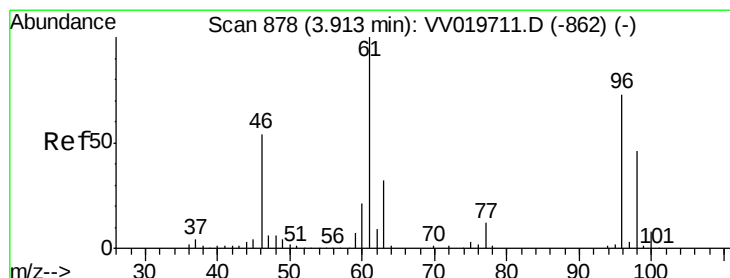
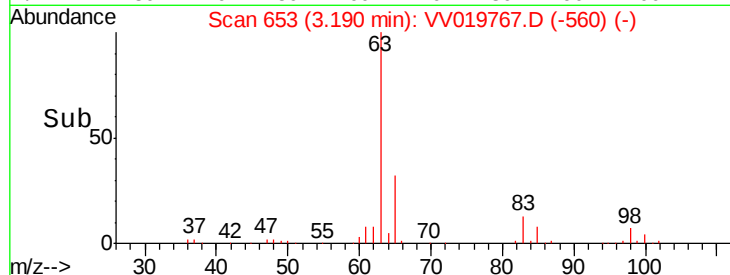
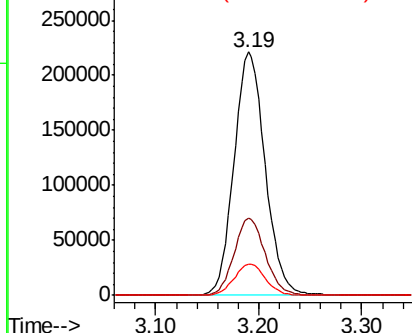
#19
 1,1-Dichloroethane
 Concen: 46.665 ug/L
 RT: 3.19 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 63 Resp: 464931
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.4 41.6
 83 13.0 9.6 17.8

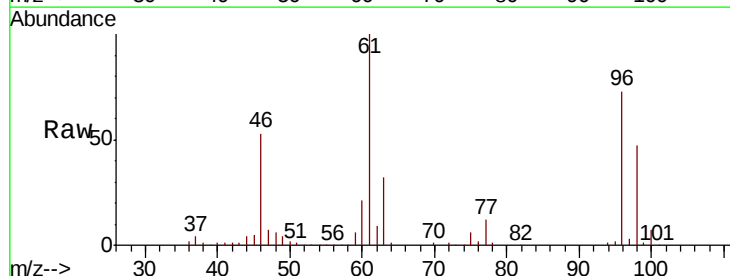


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

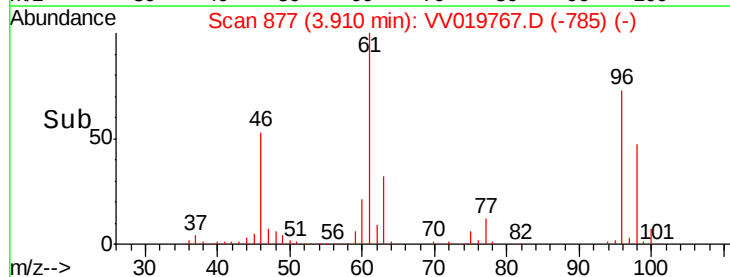
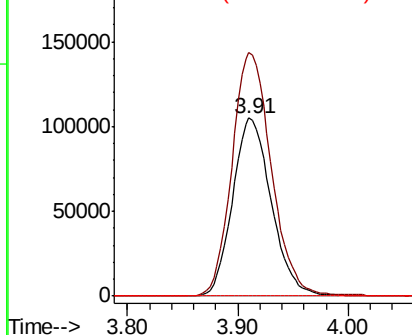


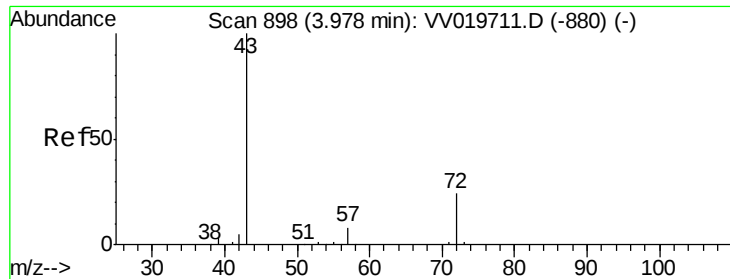
#20
 cis-1,2-Dichloroethene
 Concen: 45.156 ug/L
 RT: 3.91 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

Tgt Ion: 96 Resp: 255100
 Ion Ratio Lower Upper
 96 100
 61 136.6 94.1 174.8
 68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 103.094 ug/L

RT: 3.97 min Scan# 896

Delta R.T. -0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Instrument :

MSVOA_V

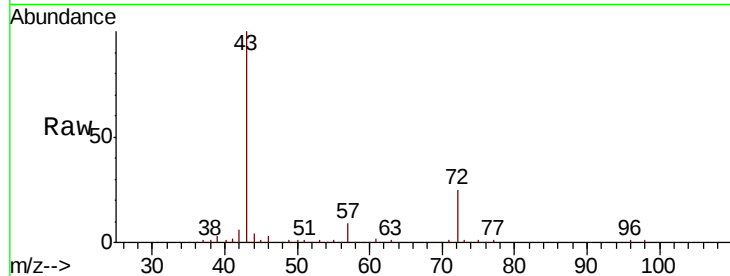
ClientSampled :

Tot Ion: 43 Resp: 395179

Ion Ratio Lower Upper

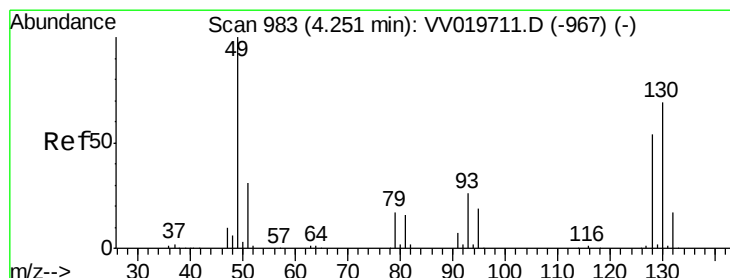
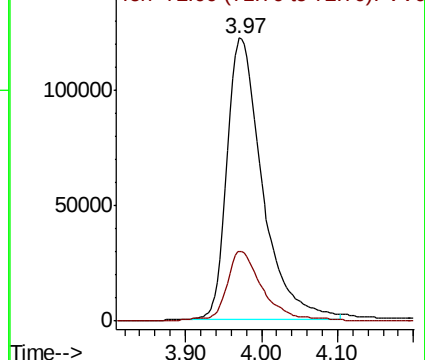
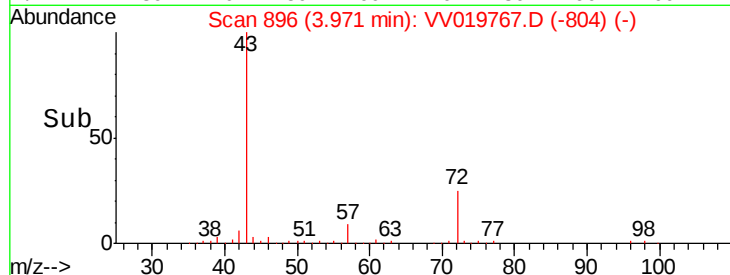
43 100

72 25.3 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019767.D (-804) (-)

Ion 72.00 (71.70 to 72.70): VV019767.D (-804) (-)



#23

Bromochloromethane

Concen: 44.179 ug/L

RT: 4.25 min Scan# 982

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Tgt Ion:128 Resp: 122800

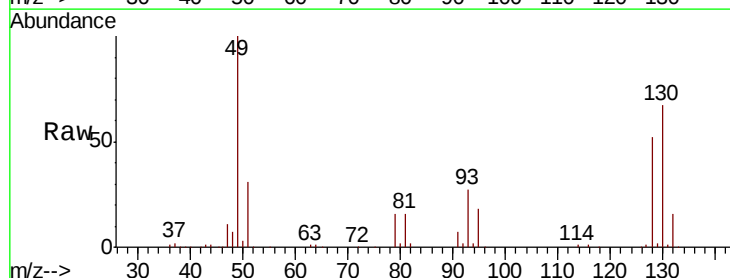
Ion Ratio Lower Upper

128 100

49 193.7 127.0 235.8

130 129.7 90.3 167.7

51 60.2 44.5 66.7

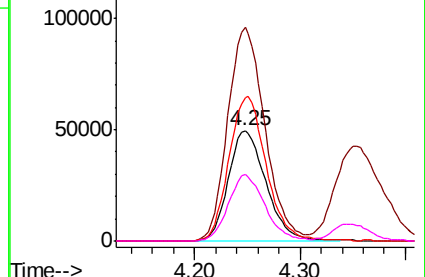
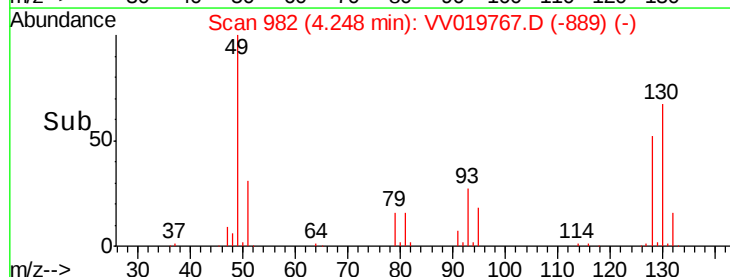


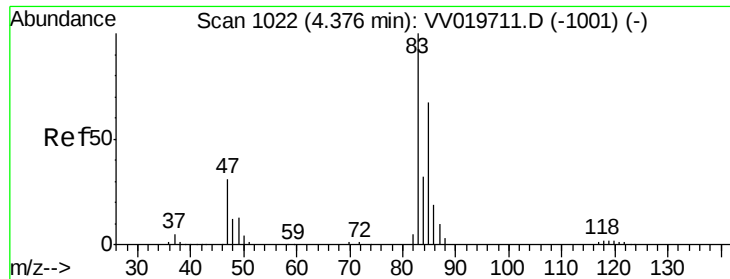
Abundance Ion 128.00 (127.70 to 128.70): VV019767.D (-889) (-)

Ion 49.00 (48.70 to 49.70): VV019767.D (-889) (-)

Ion 130.00 (129.70 to 130.70): VV019767.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VV019767.D (-889) (-)

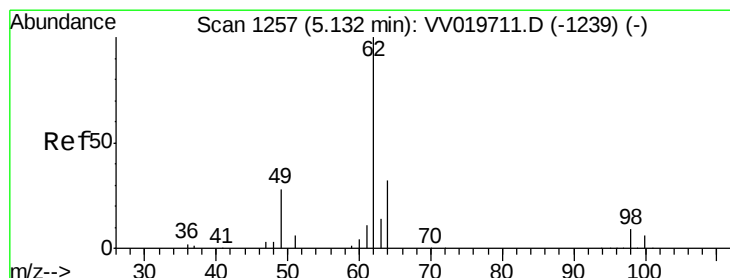
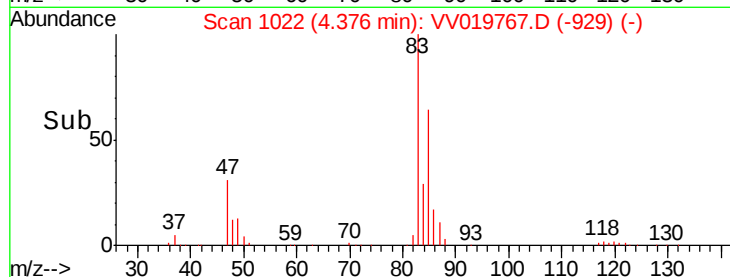
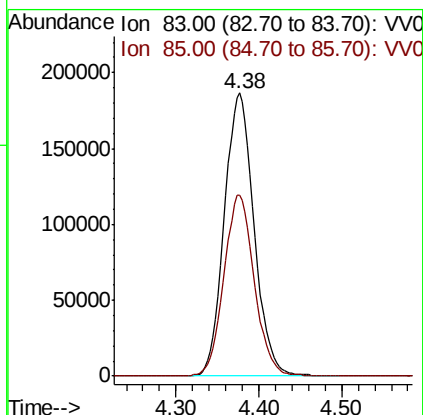
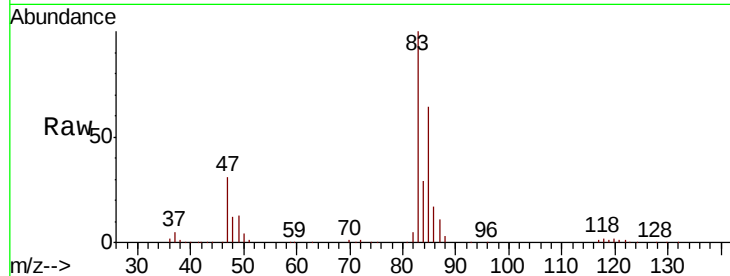




#25
Chloroform
Concen: 46.796 ug/L
RT: 4.38 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VV019767.D
Acq: 21 Dec 2020 10:04

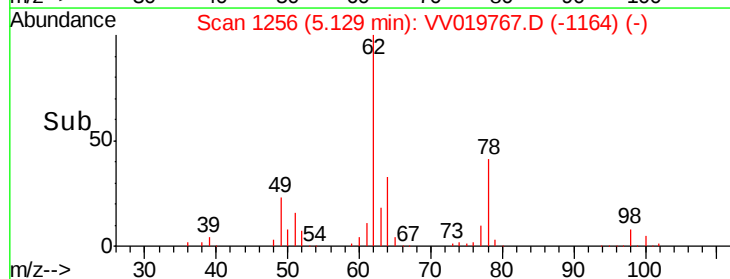
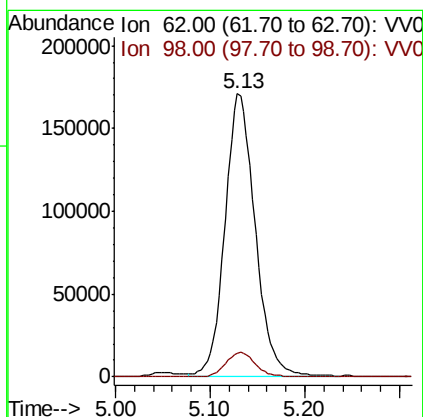
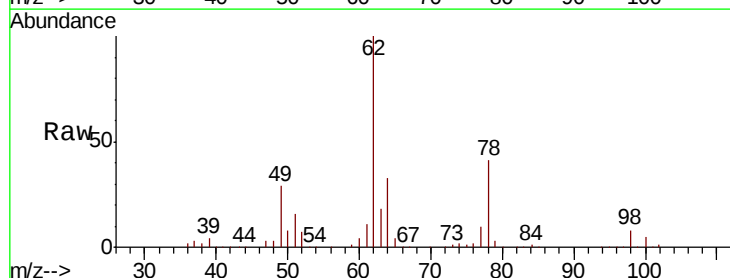
Instrument :
MSVOA_V
ClientSampleId :

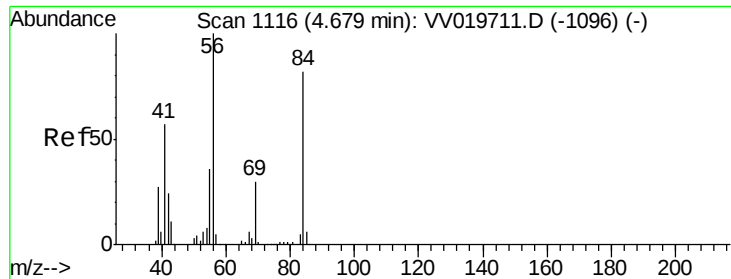
Tot Ion: 83 Resp: 465645
Ion Ratio Lower Upper
83 100
85 64.1 45.6 84.6



#27
1,2-Dichloroethane
Concen: 46.192 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VV019767.D
Acq: 21 Dec 2020 10:04

Tgt Ion: 62 Resp: 380781
Ion Ratio Lower Upper
62 100
98 8.4 7.4 11.0

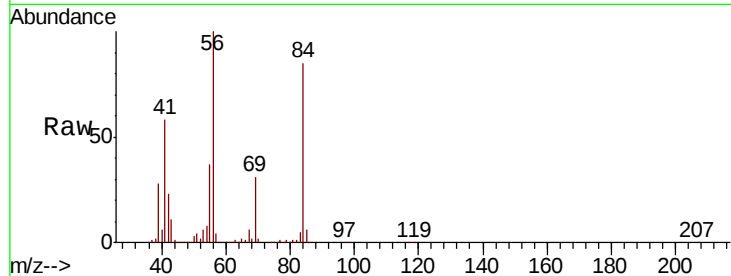




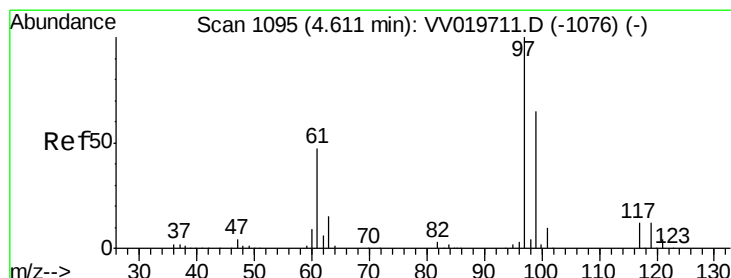
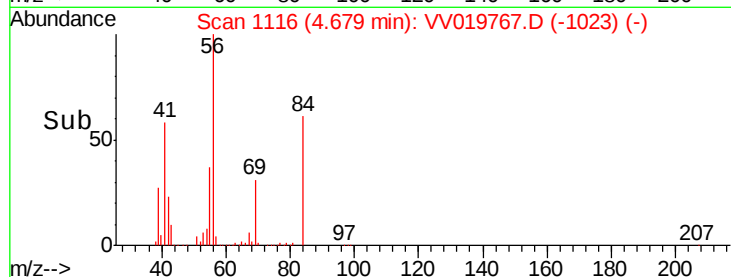
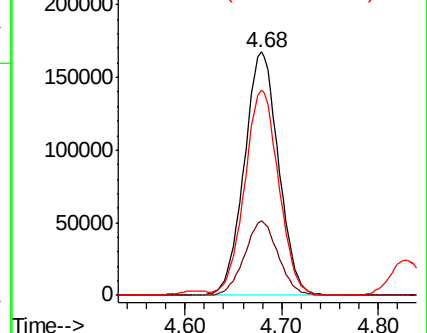
#29
Cvclohexane
Concen: 45.213 ug/L
RT: 4.68 min Scan# 1116
Delta R.T. 0.00 min
Lab File: VV019767.D
Acq: 21 Dec 2020 10:04

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 412480
Ion Ratio Lower Upper
56 100
69 30.0 24.6 37.0
84 83.8 68.2 102.4

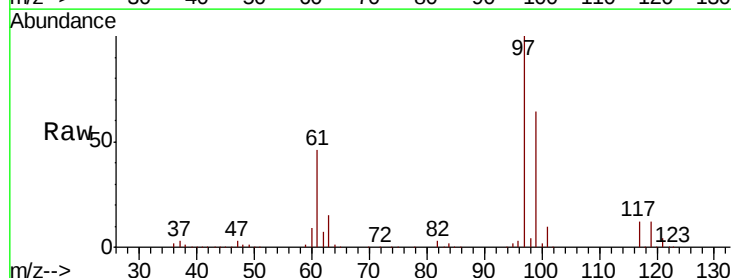


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

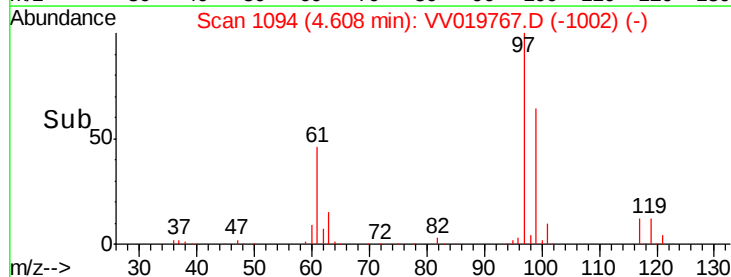
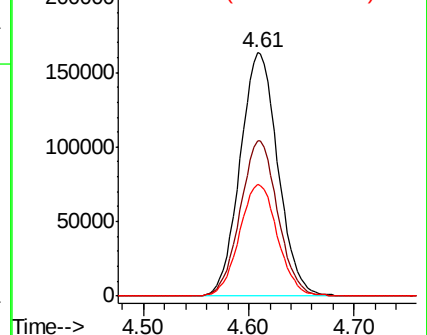


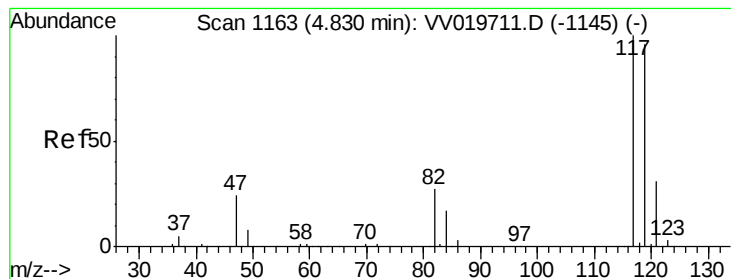
#30
1,1,1-Trichloroethane
Concen: 43.530 ug/L
RT: 4.61 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VV019767.D
Acq: 21 Dec 2020 10:04

Tgt Ion: 97 Resp: 406280
Ion Ratio Lower Upper
97 100
99 63.6 51.3 76.9
61 46.7 36.3 54.5



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 43.148 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Instrument :

MSVOA_V

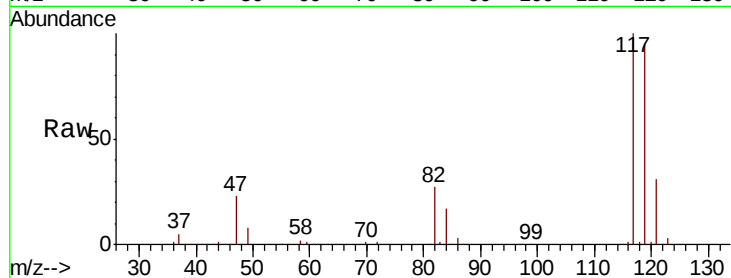
ClientSampleId :

Tot Ion:117 Resp: 339964

Ion Ratio Lower Upper

117 100

119 95.8 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

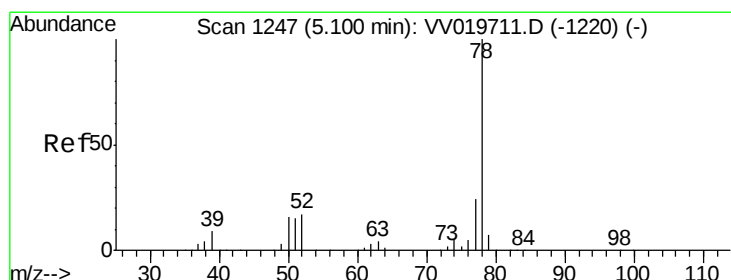
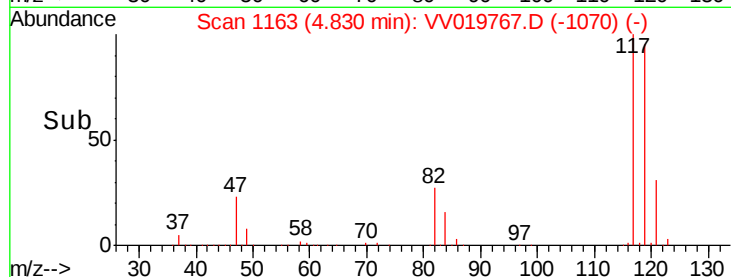
100000

50000

0

4.75 4.80 4.85 4.90

Time-->



#33

Benzene

Concen: 45.250 ug/L

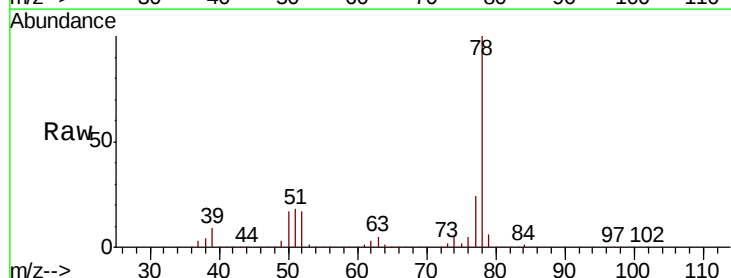
RT: 5.10 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Tgt Ion: 78 Resp: 984397



Abundance Ion 78.00 (77.70 to 78.70): VV0

500000

400000

300000

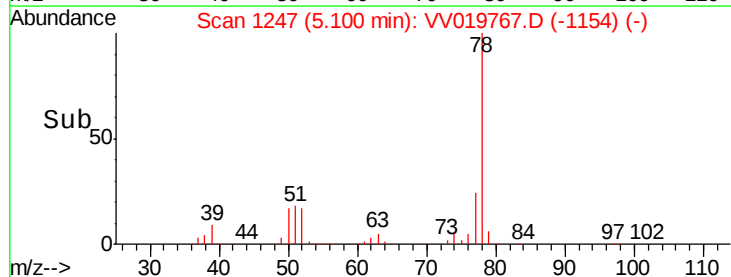
200000

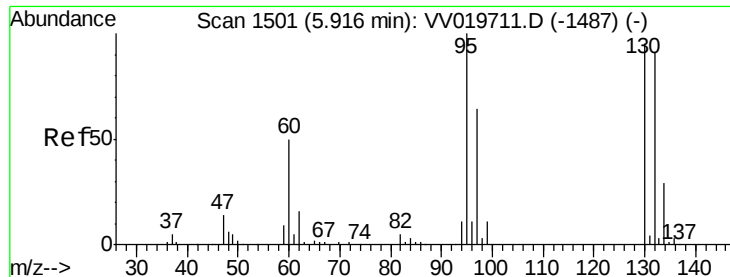
100000

0

5.00 5.10 5.20

Time-->

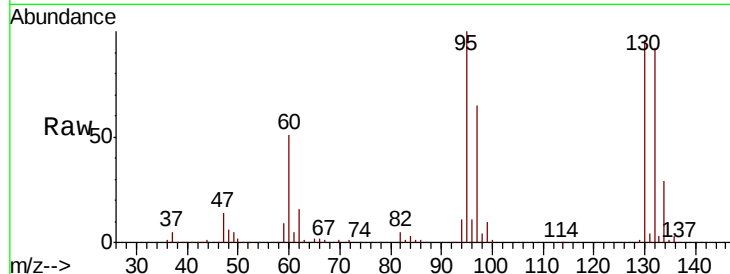




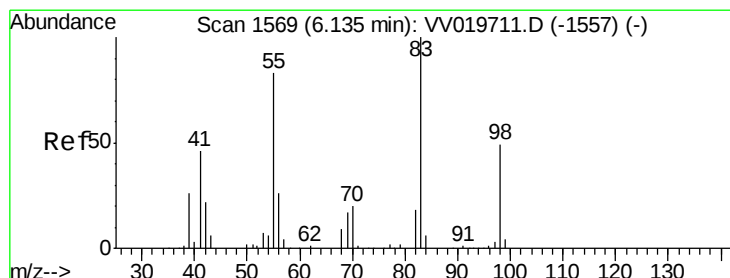
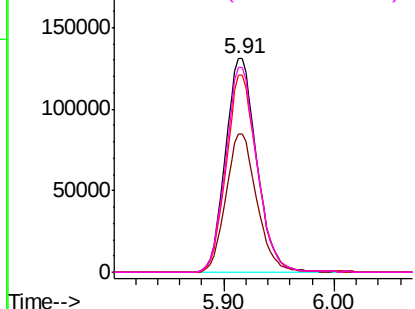
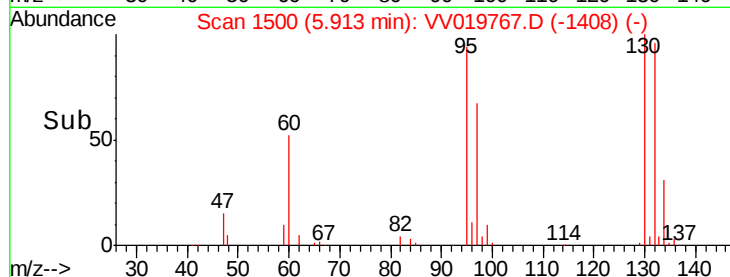
#34
 Trichloroethene
 Concen: 44.871 ug/L
 RT: 5.91 min Scan# 1500
 Delta R.T. -0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 257863
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.4 82.4
 132 92.1 64.3 119.3
 130 95.8 67.8 125.8

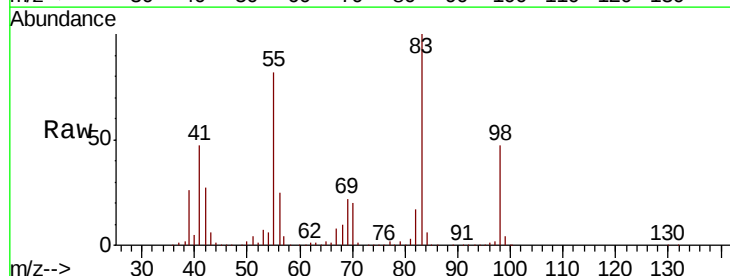


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

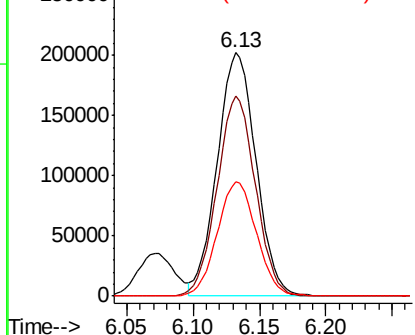
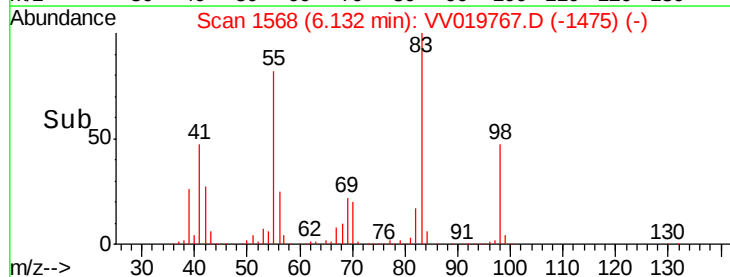


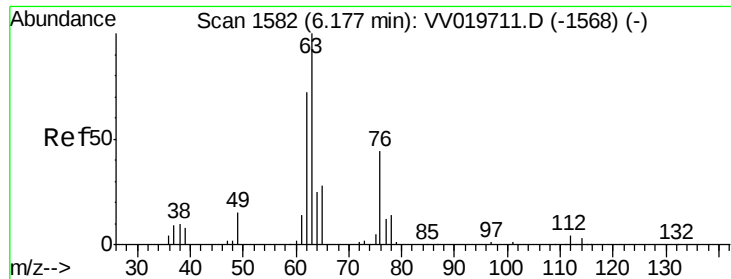
#35
 Methylcyclohexane
 Concen: 47.040 ug/L
 RT: 6.13 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

Tgt Ion: 83 Resp: 410671
 Ion Ratio Lower Upper
 83 100
 55 81.4 64.2 96.4
 98 47.7 39.3 58.9



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

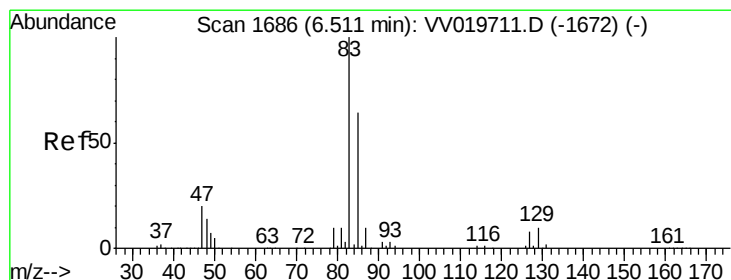
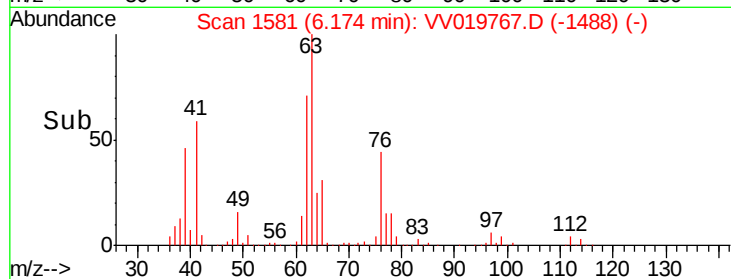
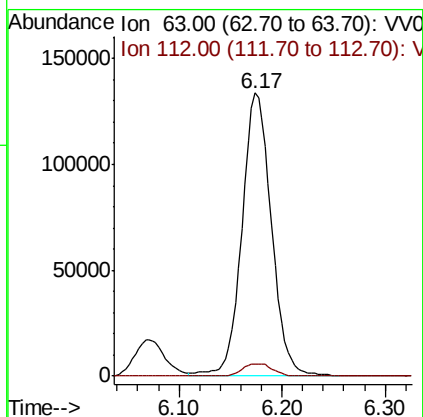
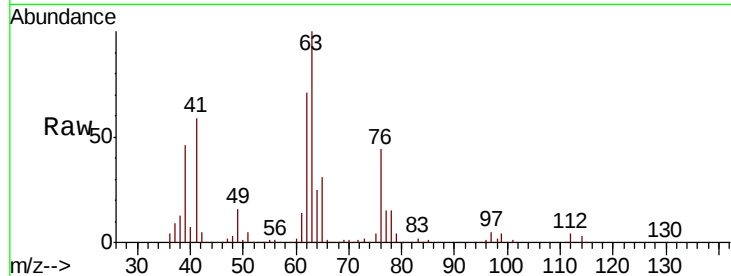




#37
 1,2-Dichloropropane
 Concen: 46.290 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

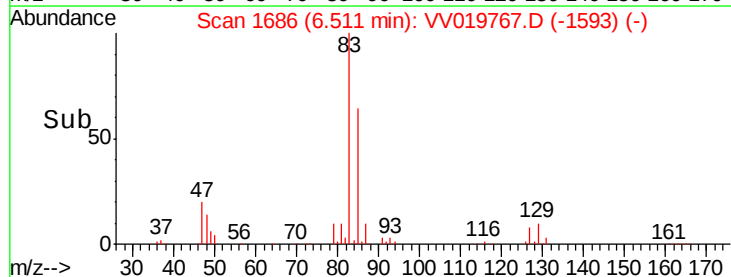
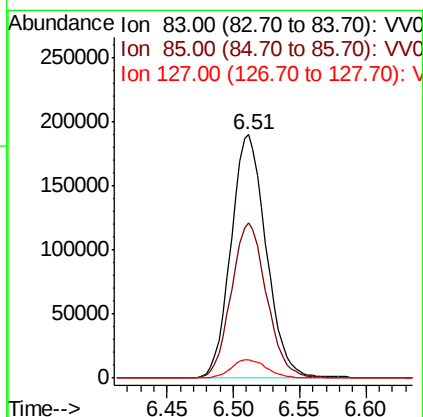
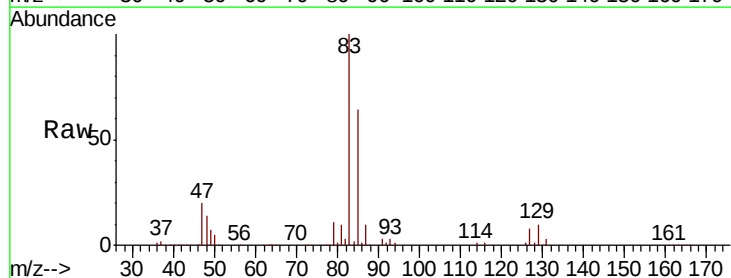
Instrument :
 MSVOA_V
 ClientSampled :

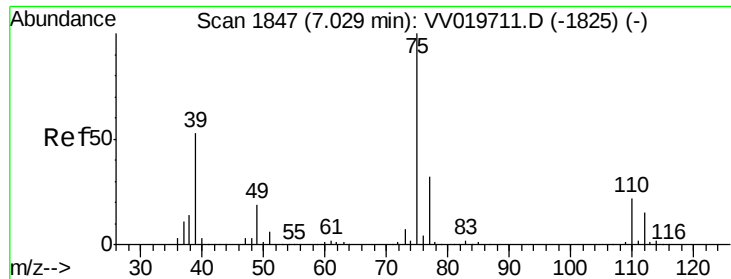
Tot Ion: 63 Resp: 262980
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.5 5.3



#38
 Bromodichloromethane
 Concen: 44.122 ug/L
 RT: 6.51 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

Tgt Ion: 83 Resp: 350512
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.9 83.5
 127 7.5 6.7 10.1

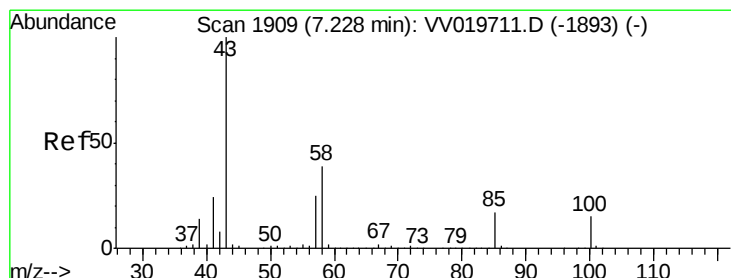
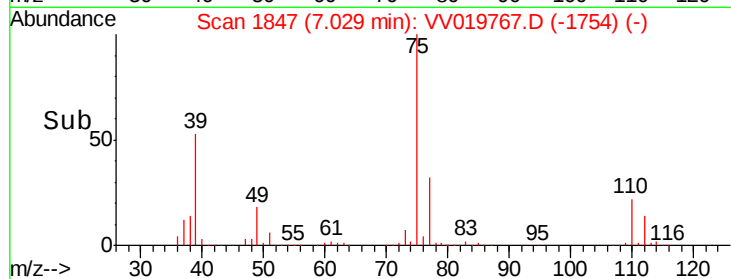
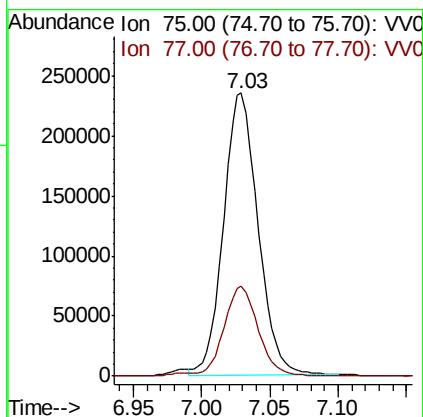
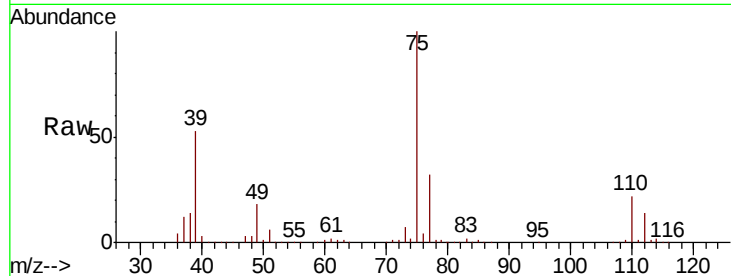




#39
 cis-1,3-Dichloropropene
 Concen: 43.811 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

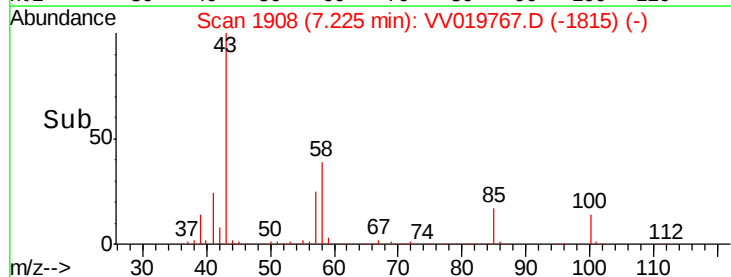
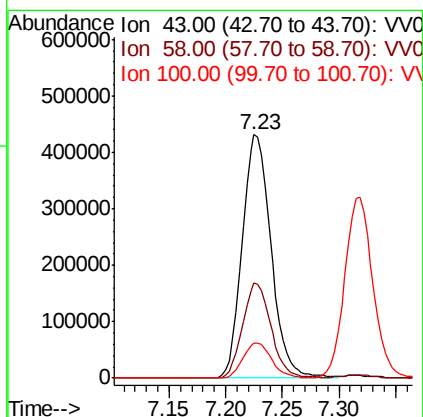
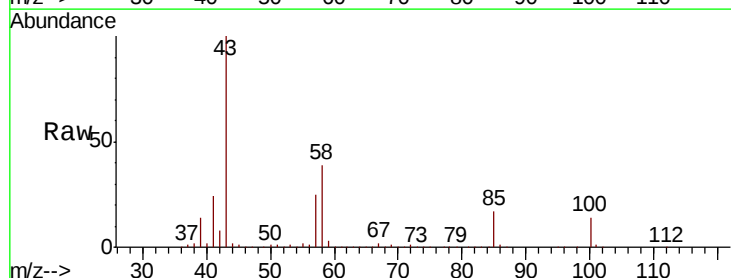
Instrument :
 MSVOA_V
 ClientSampled :

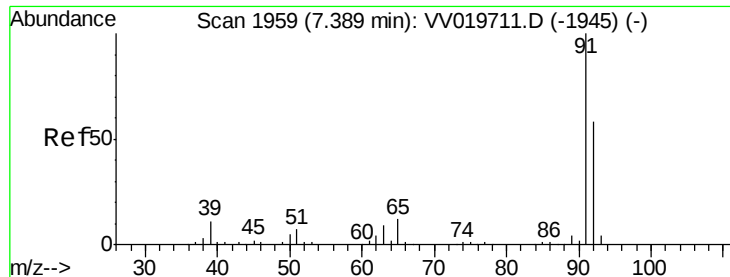
Tot Ion: 75 Resp: 413387
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 93.617 ug/L
 RT: 7.23 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

Tgt Ion: 43 Resp: 767319
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.7 47.5
 100 14.4 12.5 18.7





#42

Toluene

Concen: 44.923 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

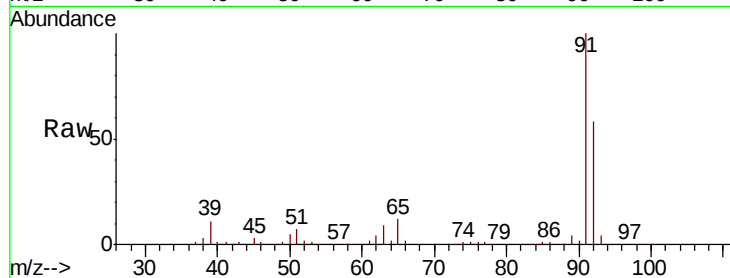
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1030005

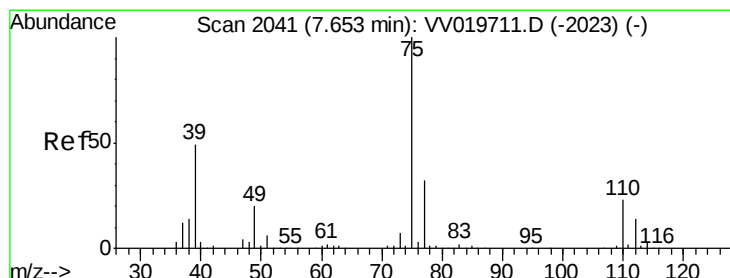
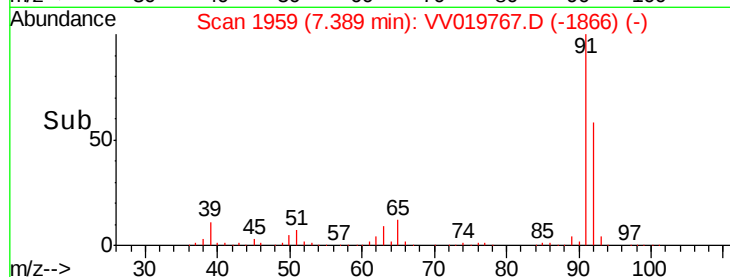
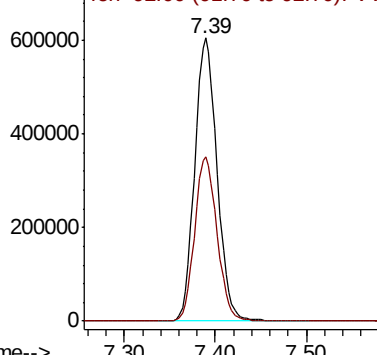
Ion Ratio Lower Upper

91 100

92 57.9 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 43.476 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019767.D

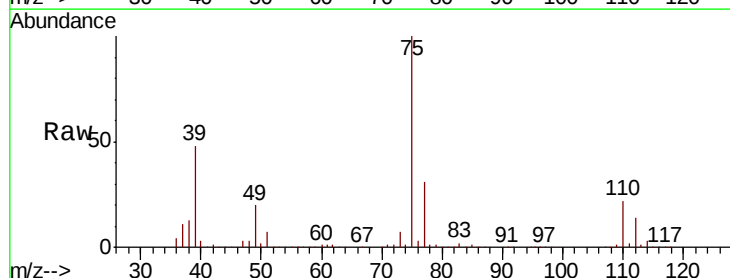
Acq: 21 Dec 2020 10:04

Tgt Ion: 75 Resp: 415373

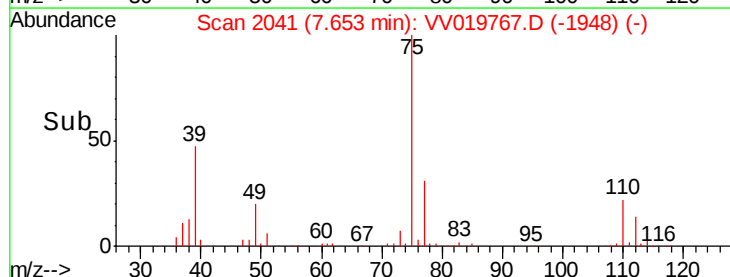
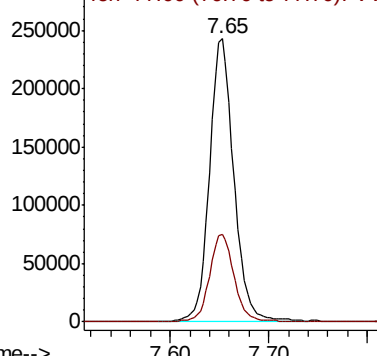
Ion Ratio Lower Upper

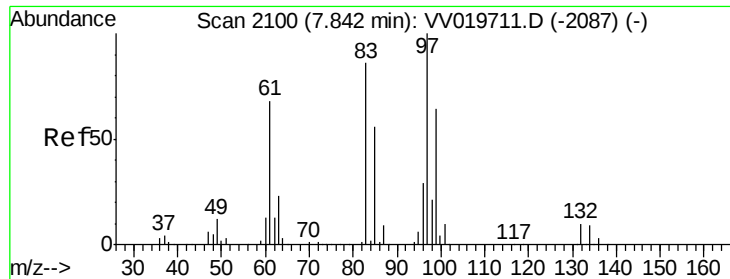
75 100

77 31.1 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

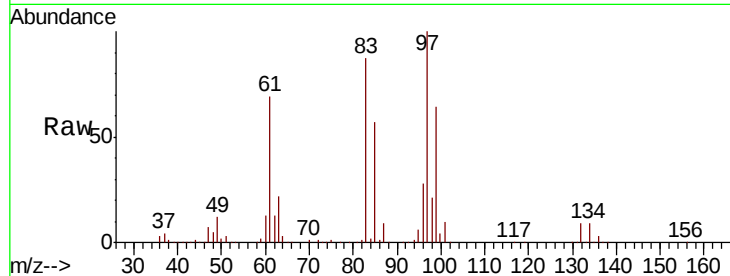




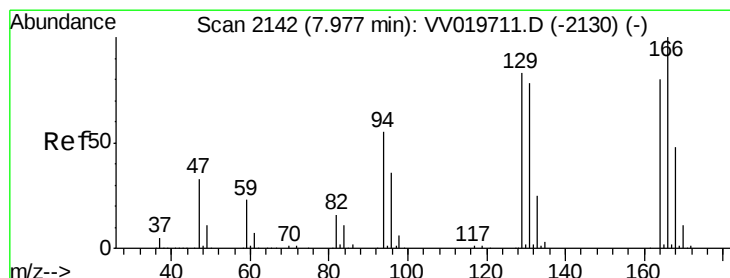
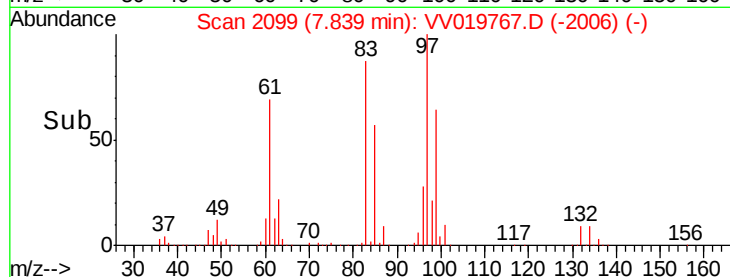
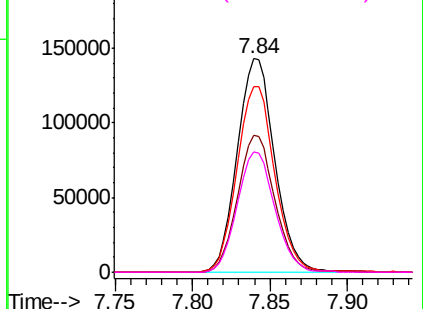
#45
 1,1,2-Trichloroethane
 Concen: 44.672 ug/L
 RT: 7.84 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	241003
Ion	Ratio	Lower	Upper
97	100		
99	64.1	44.1	81.9
83	87.0	60.0	111.4
85	56.6	38.6	71.8

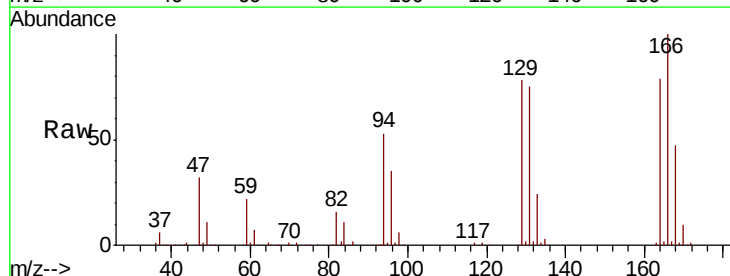


Abundance Ion 97.00 (96.70 to 97.70): VV019767.D (-2099) (-)
 Ion 99.00 (98.70 to 99.70): VV019767.D (-2099) (-)
 Ion 83.00 (82.70 to 83.70): VV019767.D (-2099) (-)
 Ion 85.00 (84.70 to 85.70): VV019767.D (-2099) (-)

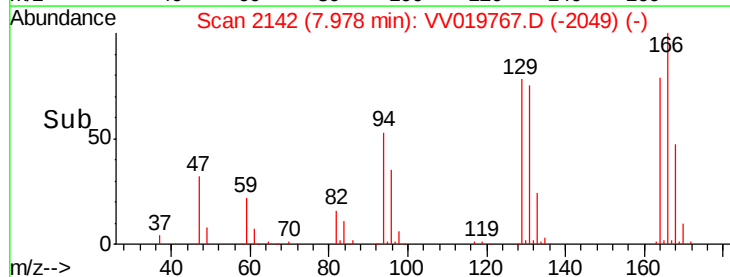
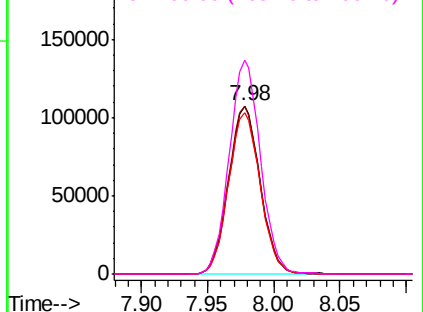


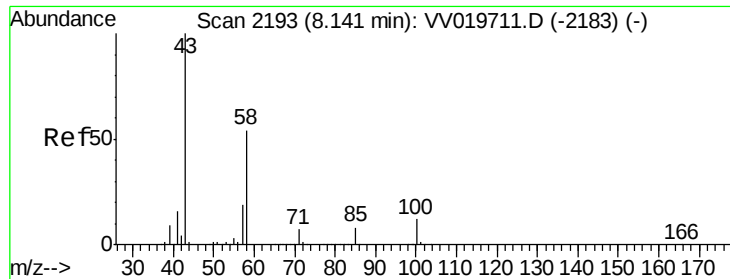
#46
 Tetrachloroethene
 Concen: 44.446 ug/L
 RT: 7.98 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

Tgt Ion:	164	Resp:	176738
Ion	Ratio	Lower	Upper
164	100		
129	99.7	70.6	131.0
131	95.7	68.0	126.4
166	127.1	86.9	161.5



Abundance Ion 164.00 (163.70 to 164.70): VV019767.D (-2142) (-)
 Ion 129.00 (128.70 to 129.70): VV019767.D (-2142) (-)
 Ion 131.00 (130.70 to 131.70): VV019767.D (-2142) (-)
 Ion 166.00 (165.70 to 166.70): VV019767.D (-2142) (-)

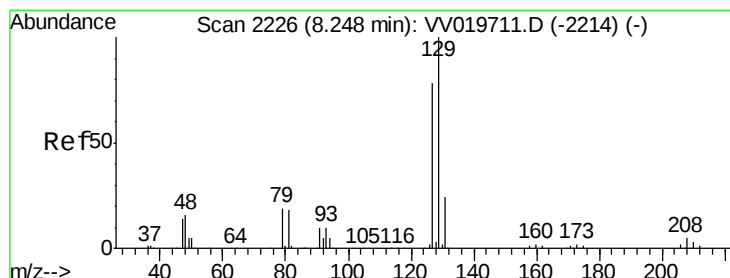
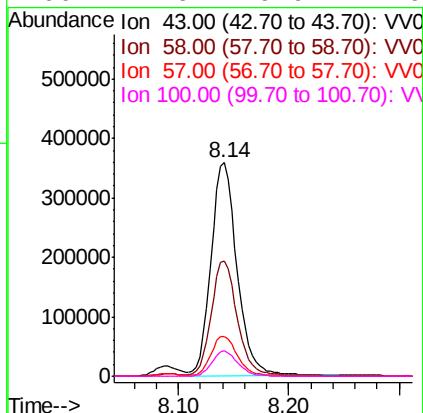
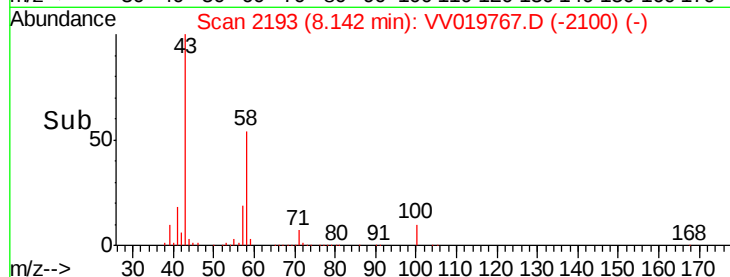
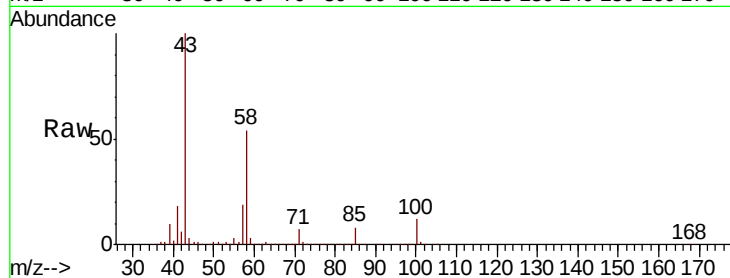




#48
2-Hexanone
Concen: 94.122 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VV019767.D
Acq: 21 Dec 2020 10:04

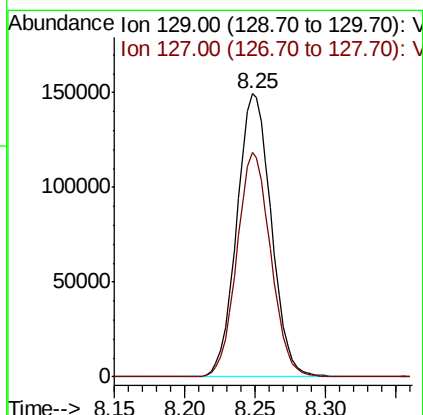
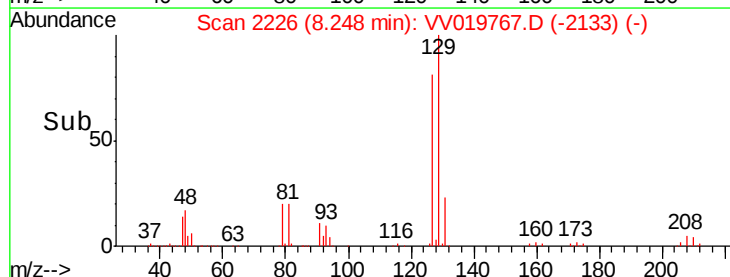
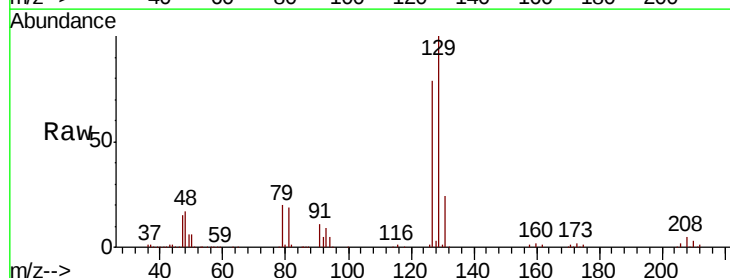
Instrument :
MSVOA_V
ClientSampled :

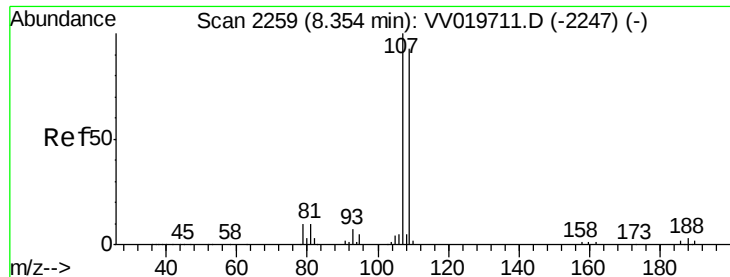
Tot Ion	Ratio	Lower	Upper
43	100		
58	53.7	44.4	66.6
57	19.3	15.7	23.5
100	11.6	9.9	14.9



#49
Dibromochloromethane
Concen: 43.294 ug/L
RT: 8.25 min Scan# 2226
Delta R.T. 0.00 min
Lab File: VV019767.D
Acq: 21 Dec 2020 10:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.4	54.2	100.6

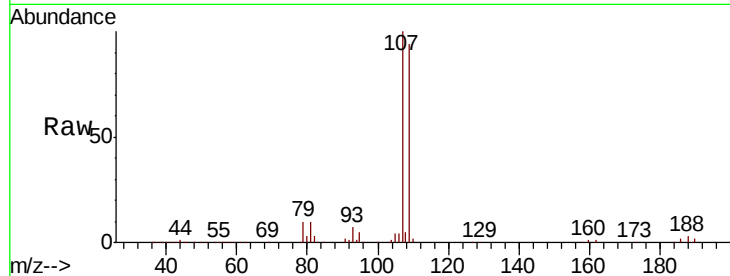




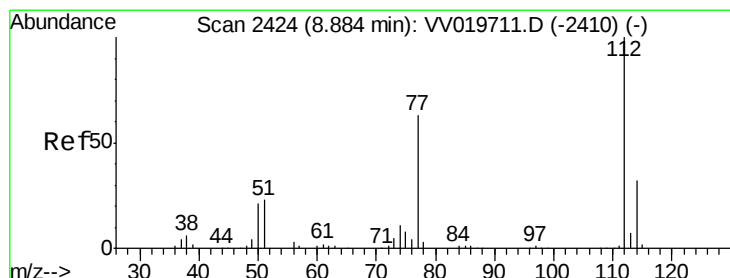
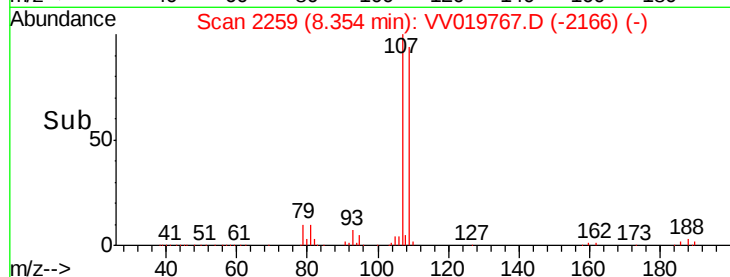
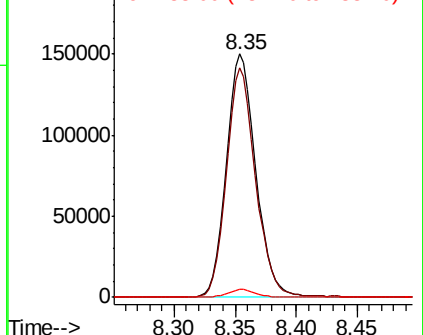
#50
 1,2-Dibromoethane
 Concen: 44.547 ug/L
 RT: 8.35 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	66.4	123.2
188	3.2	2.9	4.3

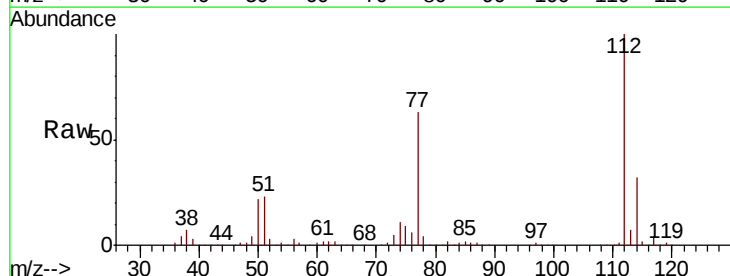


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

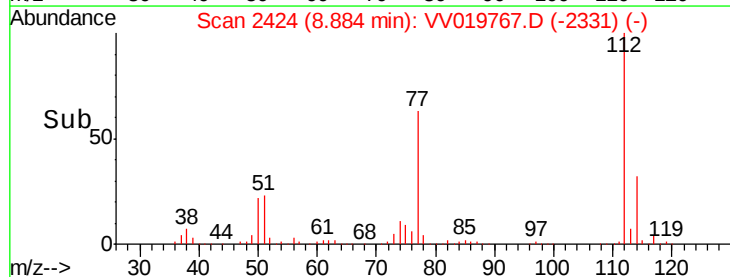
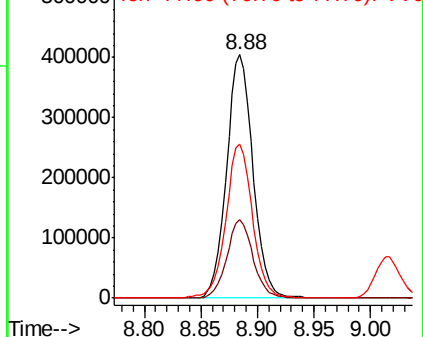


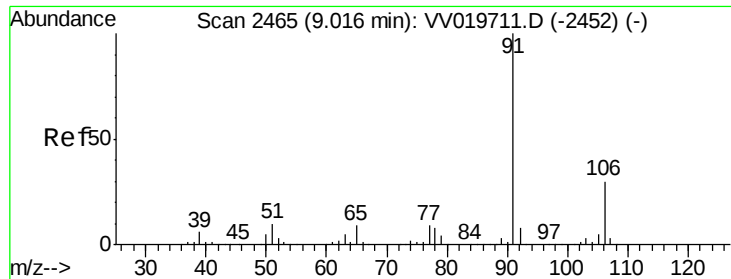
#51
 Chlorobenzene
 Concen: 44.779 ug/L
 RT: 8.88 min Scan# 2424
 Delta R.T. 0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.2	41.2
77	63.2	50.6	75.8



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 45.066 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Instrument :

MSVOA_V

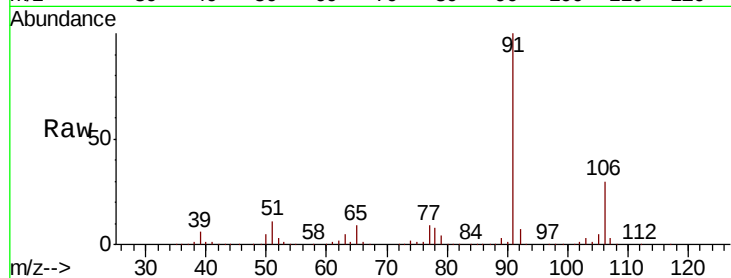
ClientSampleId :

Tot Ion: 91 Resp: 1177278

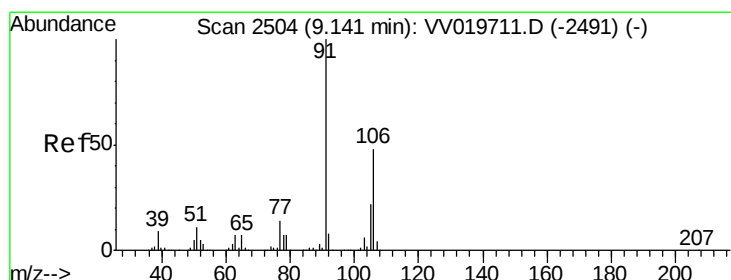
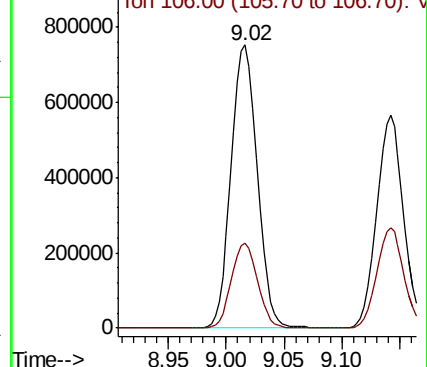
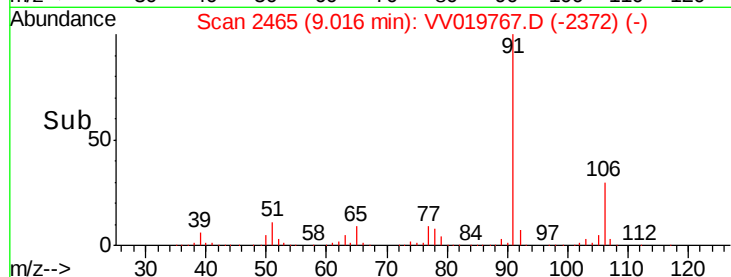
Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV019767.D (-2372) (-)



#53

m,p-Xylene

Concen: 44.376 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019767.D

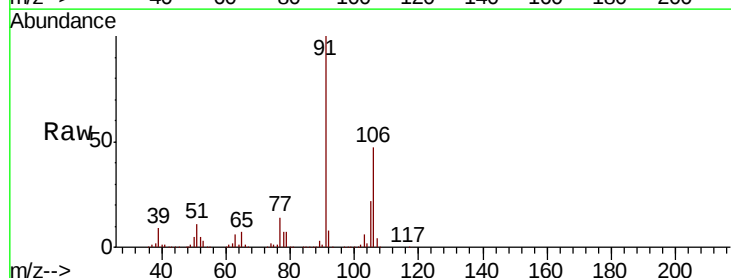
Acq: 21 Dec 2020 10:04

Tgt Ion: 106 Resp: 433090

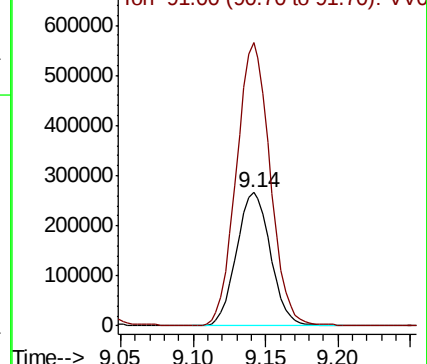
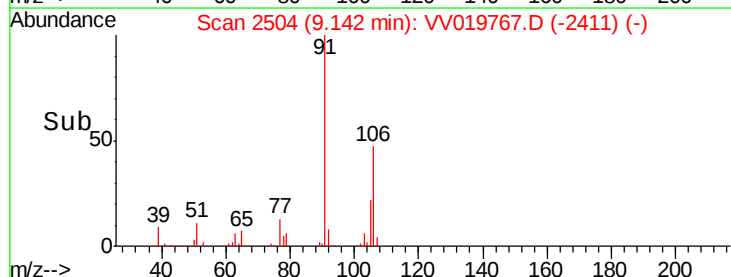
Ion Ratio Lower Upper

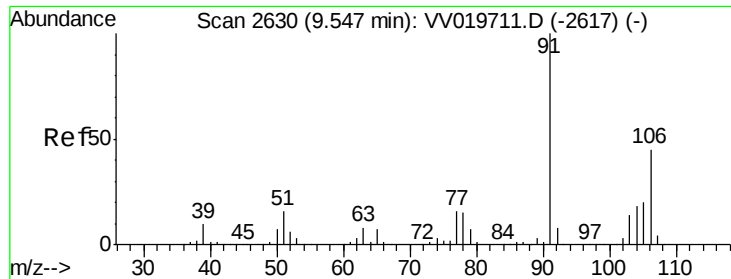
106 100

91 211.9 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): VV019767.D (-2411) (-)





#54

o-xylene

Concen: 44.314 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

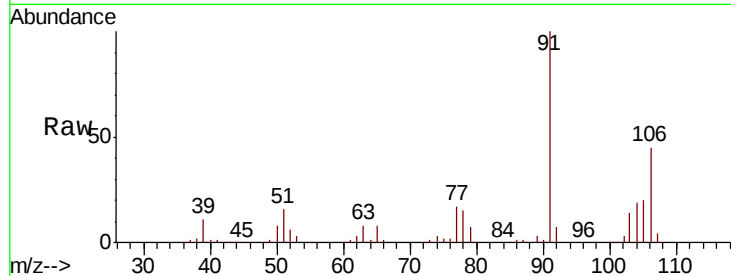
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 423909

Ion Ratio Lower Upper

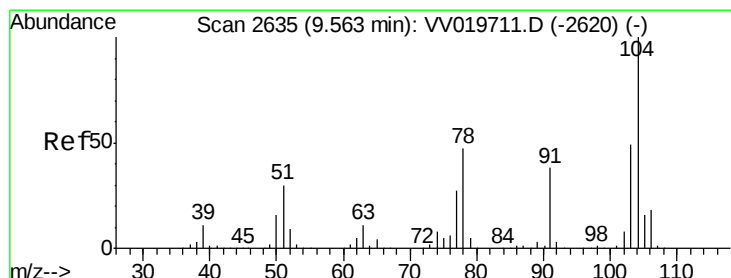
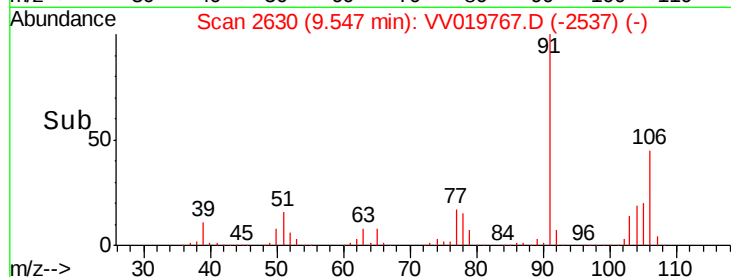
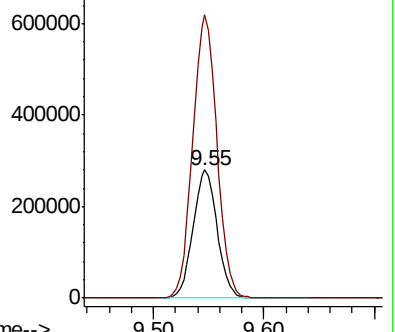
106 100

91 220.4 156.7 291.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 44.416 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019767.D

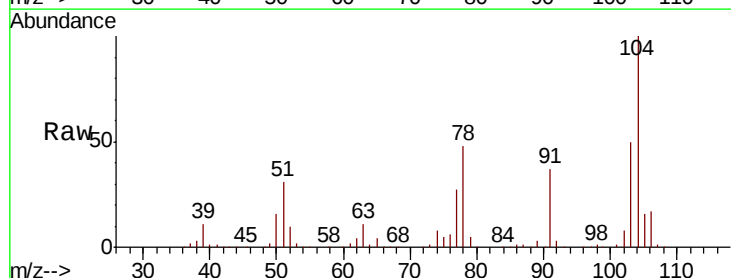
Acq: 21 Dec 2020 10:04

Tgt Ion:104 Resp: 740523

Ion Ratio Lower Upper

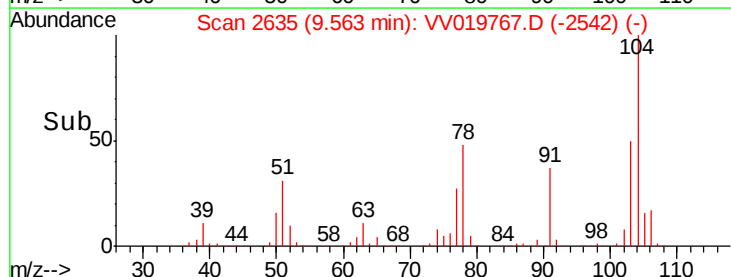
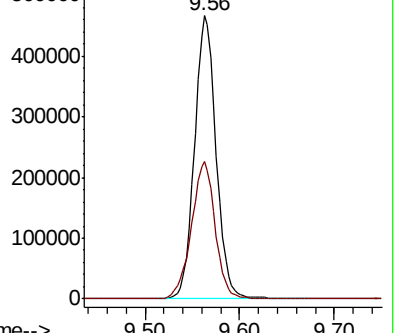
104 100

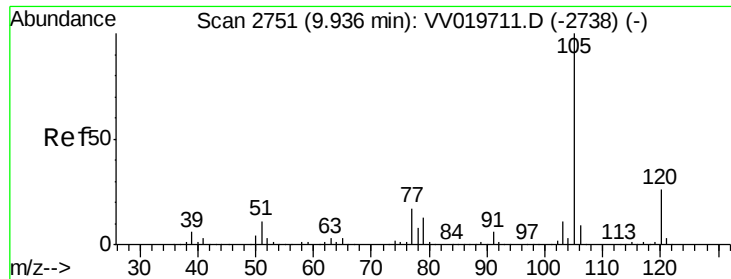
78 48.5 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 45.424 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

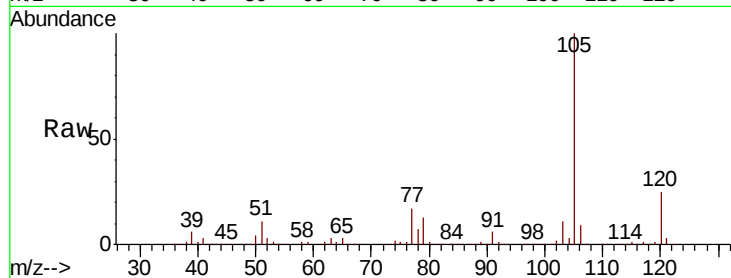
Tot Ion:105 Resp: 1157608

Ion Ratio Lower Upper

105 100

120 25.4 20.6 31.0

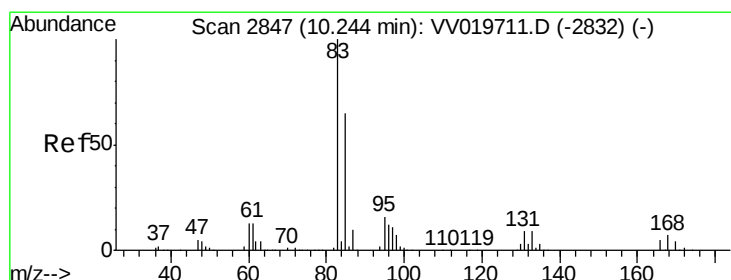
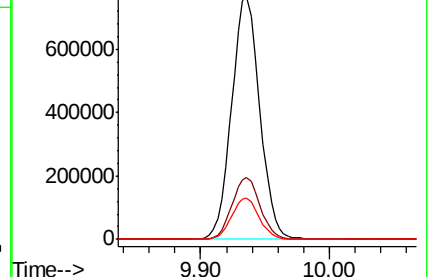
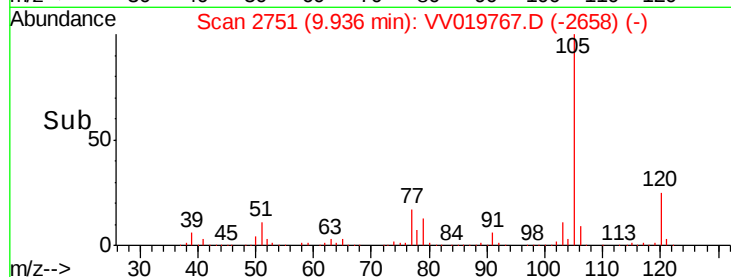
77 16.7 13.2 19.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 44.734 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

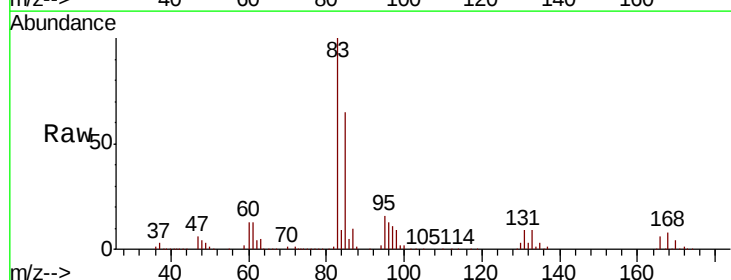
Tgt Ion: 83 Resp: 388105

Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.5

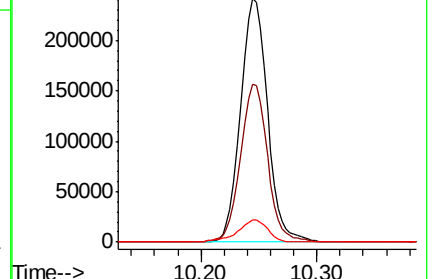
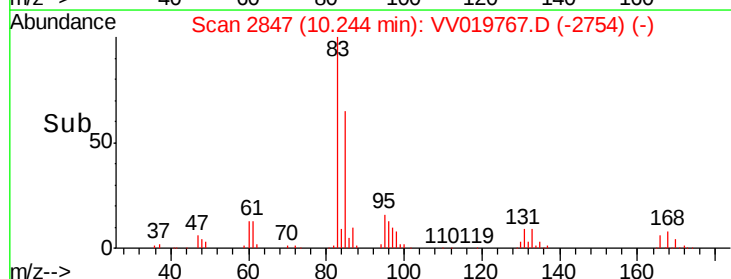
131 9.0 7.6 11.4

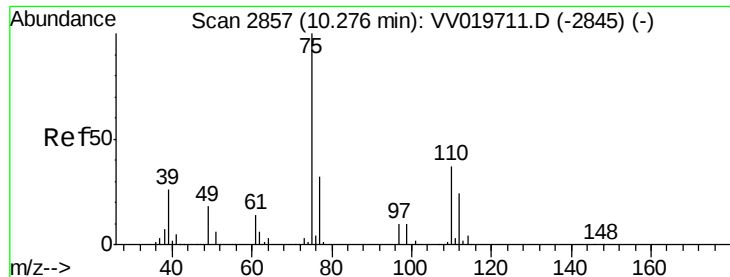


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.116 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Instrument :

MSVOA_V

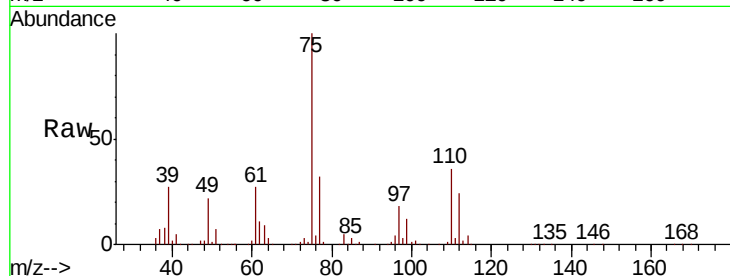
ClientSampleId :

Tot Ion: 75 Resp: 325877

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019711.D (-2845) (-)

Ion 77.00 (76.70 to 77.70): VV019711.D (-2845) (-)

10.28

200000

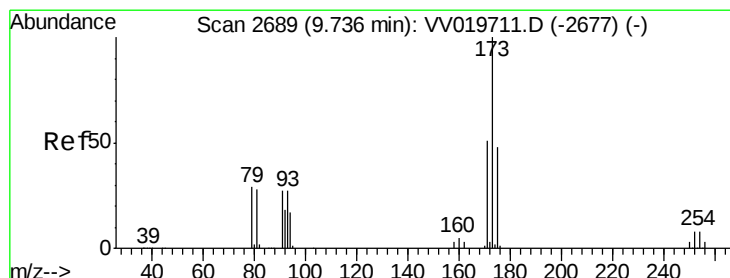
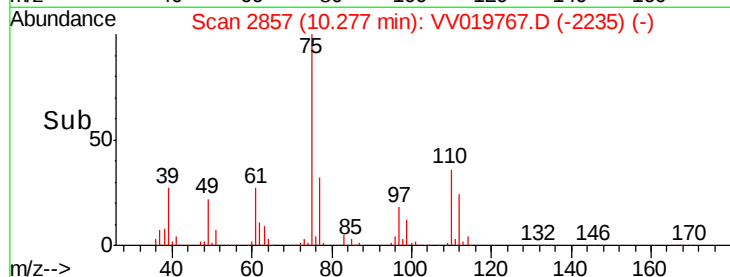
150000

100000

50000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 41.263 ug/L

RT: 9.73 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

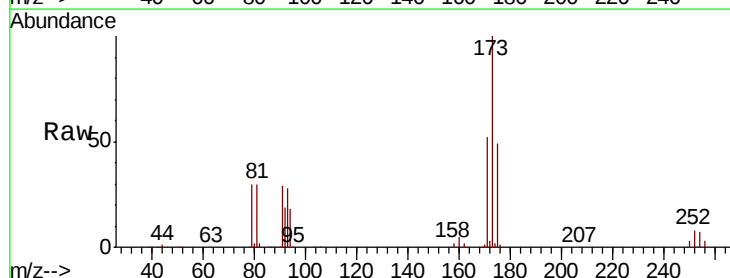
Tgt Ion: 173 Resp: 165896

Ion Ratio Lower Upper

173 100

175 48.8 38.4 57.6

254 7.9 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): VV019711.D (-2677) (-)

Ion 175.00 (174.70 to 175.70): VV019711.D (-2677) (-)

Ion 254.00 (253.70 to 254.70): VV019711.D (-2677) (-)

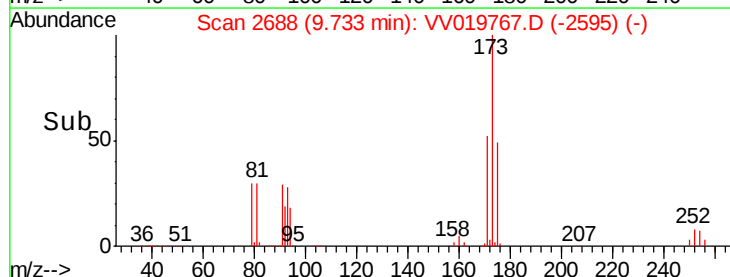
9.73

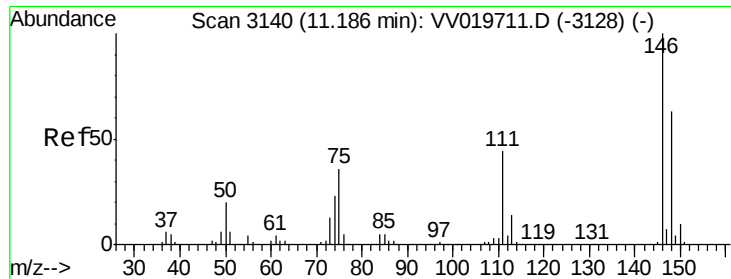
100000

50000

0

Time--> 9.65 9.70 9.75 9.80

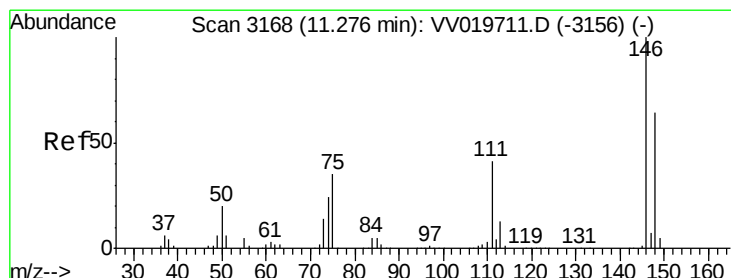
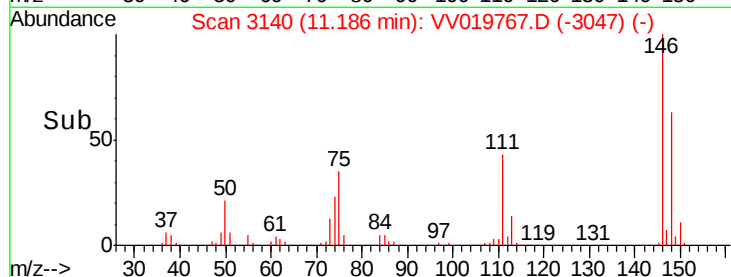
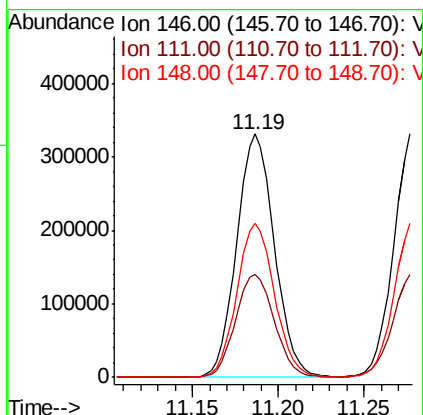
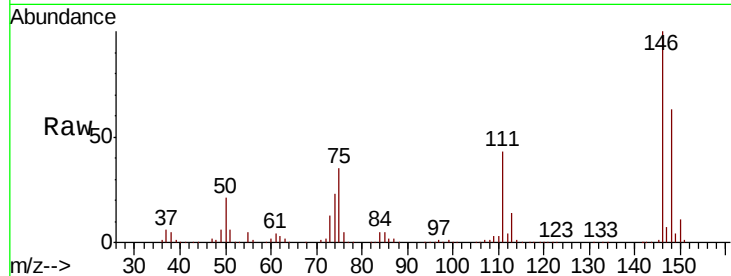




#62
 1,3-Dichlorobenzene
 Concen: 45.226 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

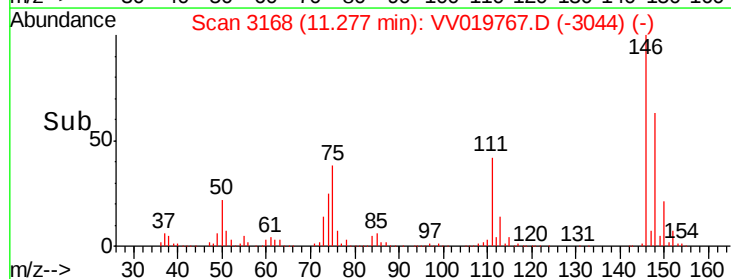
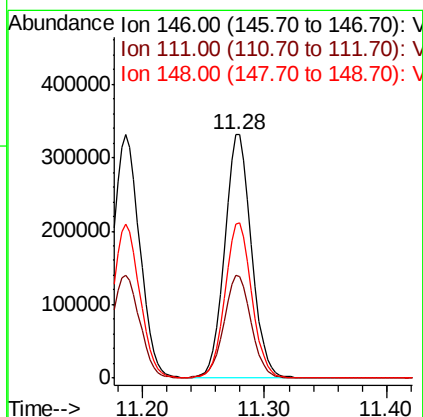
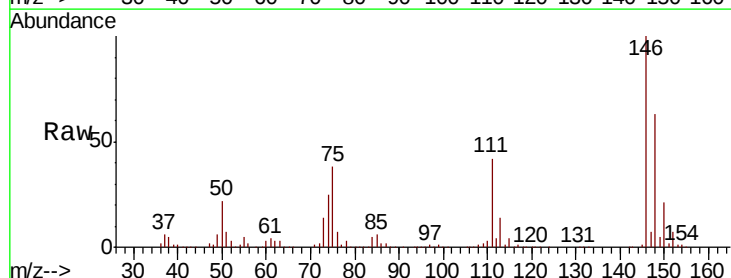
Instrument :
 MSVOA_V
 ClientSampleId :

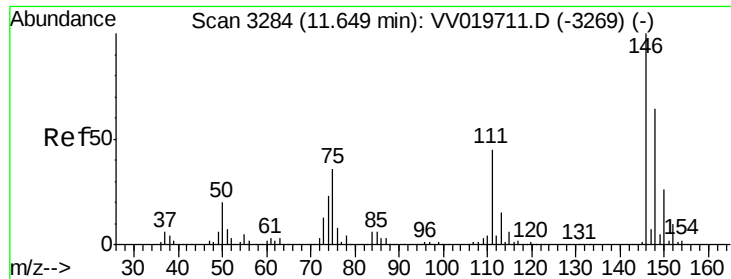
Tot Ion:146 Resp: 504181
 Ion Ratio Lower Upper
 146 100
 111 42.5 30.7 57.1
 148 63.4 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 45.331 ug/L
 RT: 11.28 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VV019767.D
 Acq: 21 Dec 2020 10:04

Tgt Ion:146 Resp: 511730
 Ion Ratio Lower Upper
 146 100
 111 42.2 29.8 55.4
 148 63.1 44.2 82.0





#65

1,2-Dichlorobenzene

Concen: 45.676 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

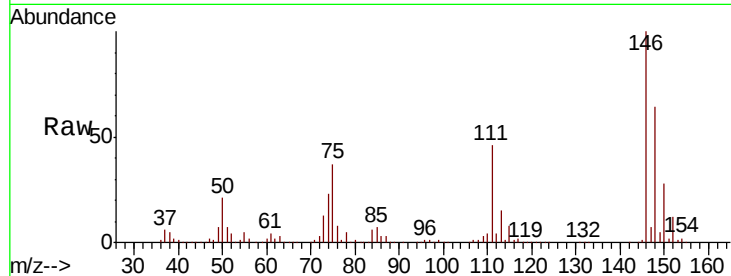
Tot Ion:146 Resp: 503149

Ion Ratio Lower Upper

146 100

111 46.3 36.6 55.0

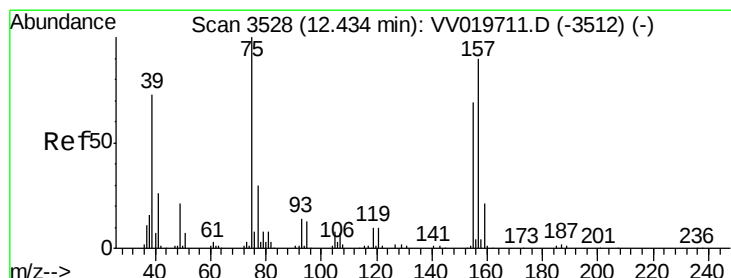
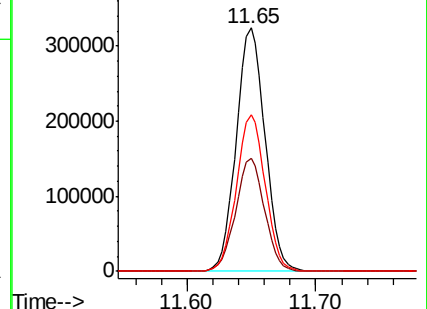
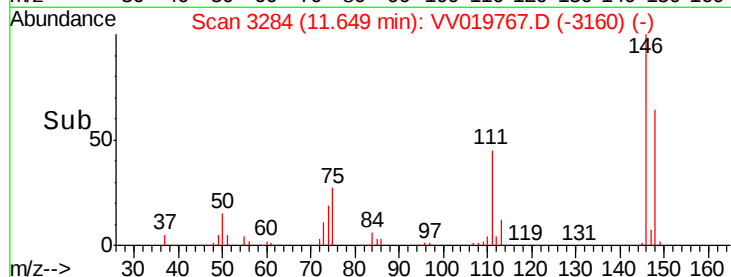
148 64.2 50.7 76.1



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: 41.614 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

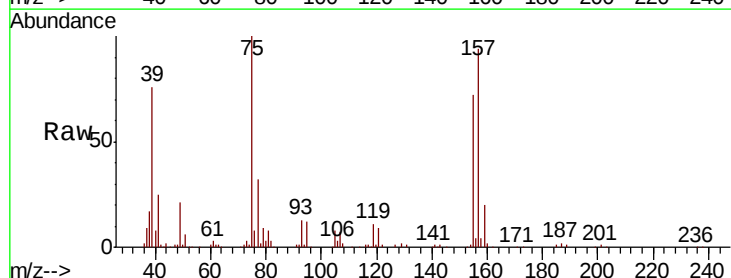
Tgt Ion: 75 Resp: 95688

Ion Ratio Lower Upper

75 100

155 72.3 61.1 91.7

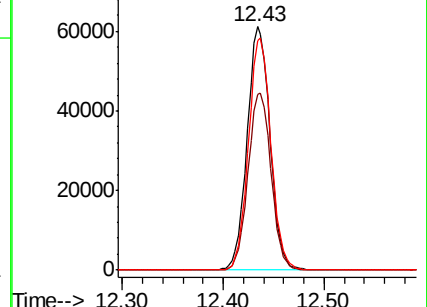
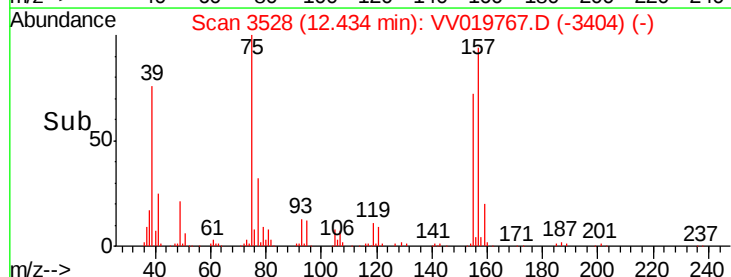
157 94.0 78.7 118.1

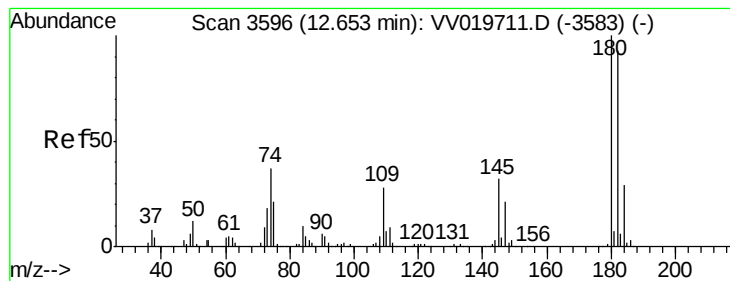


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 48.148 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:180 Resp: 379233

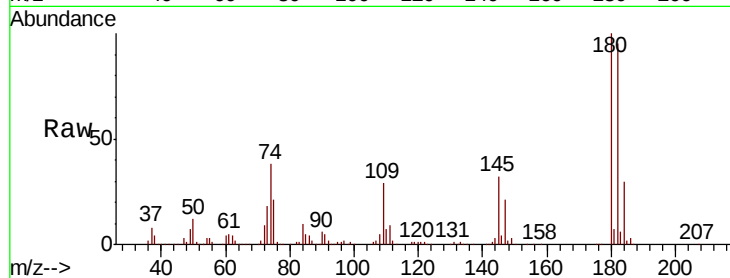
Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

184 29.9 23.9 35.9

145 32.4 26.2 39.2

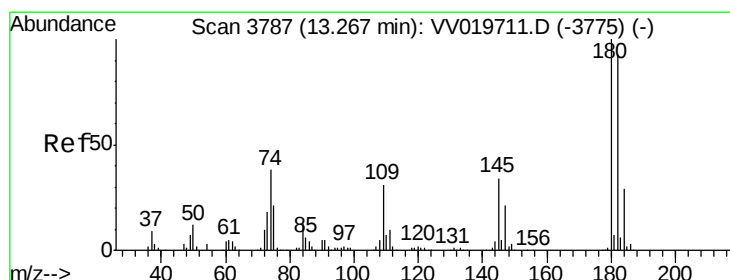
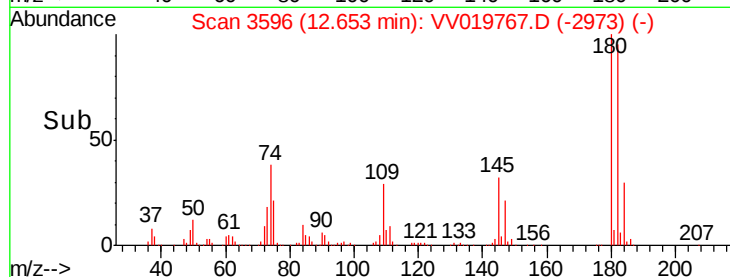
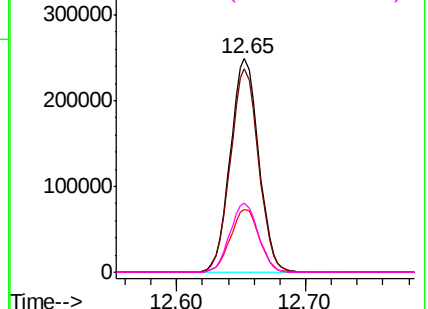


Abundance Ion 180.00 (179.70 to 180.70): V

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: 46.413 ug/L

RT: 13.27 min Scan# 3788

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

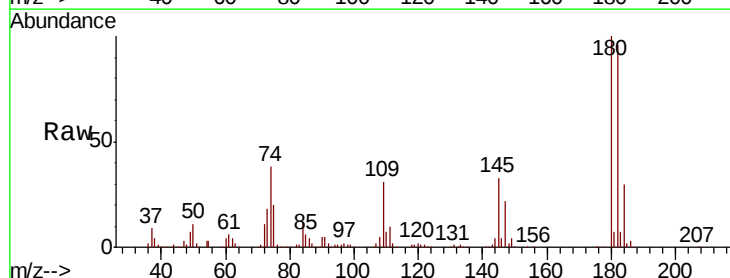
Tgt Ion:180 Resp: 341803

Ion Ratio Lower Upper

180 100

182 95.8 76.5 114.7

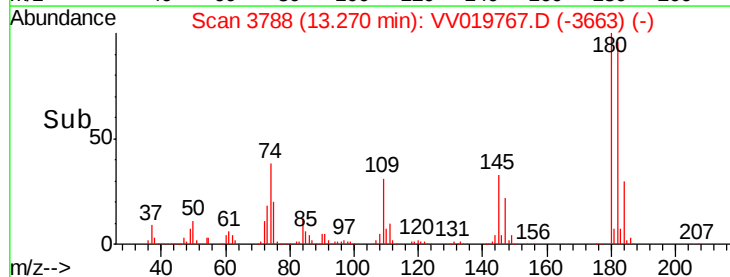
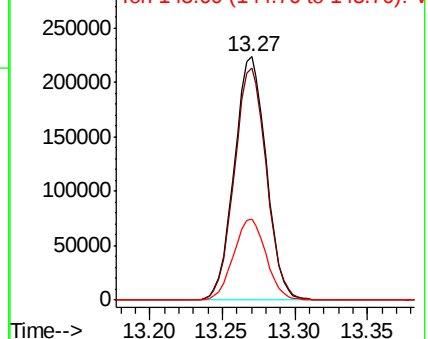
145 33.9 27.0 40.6

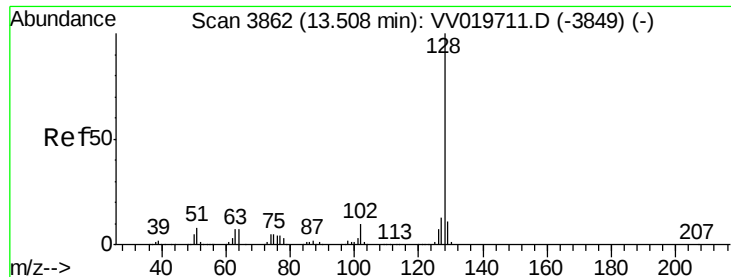


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 42.546 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

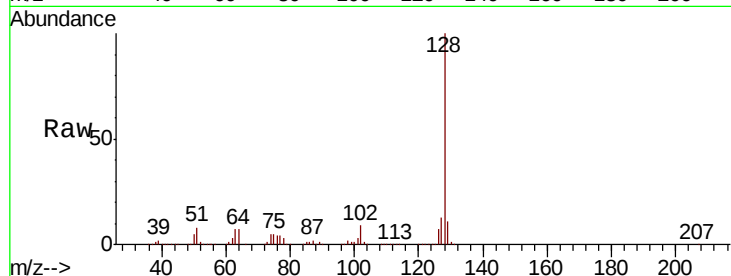
Tot Ion:128 Resp: 1087969

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

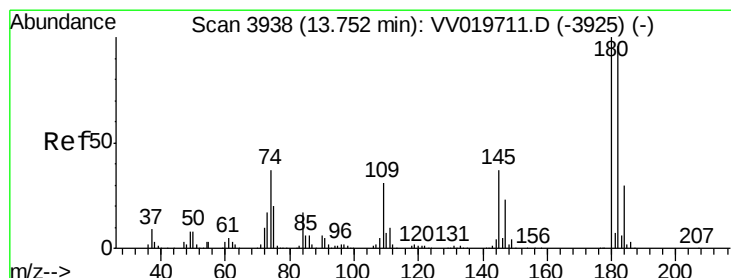
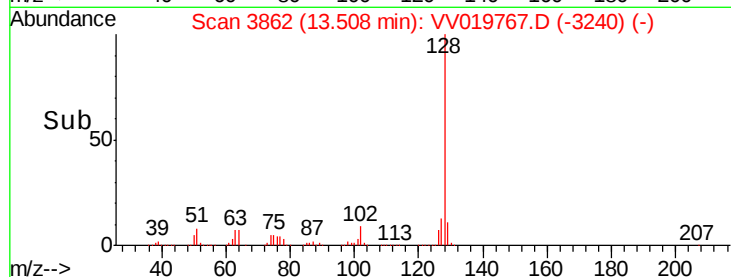
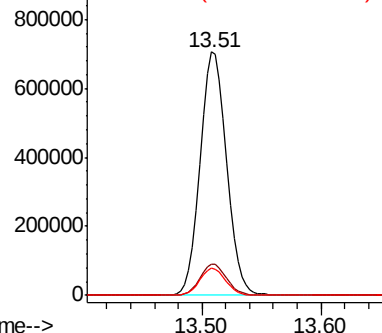
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 45.991 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019767.D

Acq: 21 Dec 2020 10:04

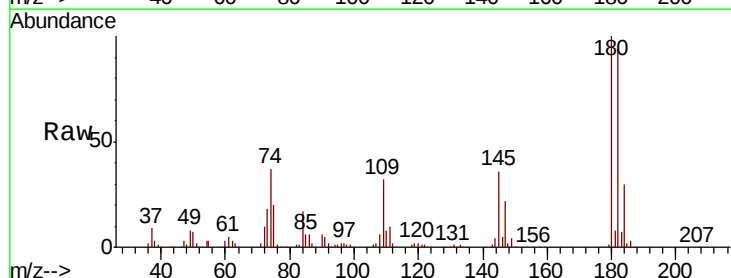
Tgt Ion:180 Resp: 330988

Ion Ratio Lower Upper

180 100

182 93.5 75.8 113.6

145 36.1 29.1 43.7



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

