

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121620\
 Data File : VV019667.D
 Acq On : 16 Dec 2020 10:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 17 00:21:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 16 10:15:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.61	114	595560	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	558351	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	286861	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	224566	52.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.16%
7) Chloroethane-d5	1.57	69	176178	52.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.62%
11) 1,1-Dichloroethene-d2	2.11	63	414884	52.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.68%
21) 2-Butanone-d5	3.88	46	302137	130.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	130.16%#
24) Chloroform-d	4.35	84	397073	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.18%
26) 1,2-Dichloroethane-d4	5.03	65	262561	52.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.40%
32) Benzene-d6	5.05	84	778165	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.52%
36) 1,2-Dichloropropane-d6	6.07	67	246265	52.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.58%
41) Toluene-d8	7.32	98	700845	52.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.54%
43) trans-1,3-Dichloropropene-	7.62	79	127952	48.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.44%
47) 2-Hexanone-d5	8.09	63	220279	120.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.32%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	321840	51.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.02%
64) 1,2-Dichlorobenzene-d4	11.63	152	263532	49.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	235589	49.017	ug/L	99
3) Chloromethane	1.24	50	250841	49.100	ug/L	99
5) Vinyl chloride	1.31	62	252308	49.237	ug/L	98
6) Bromomethane	1.52	94	152068	49.415	ug/L	98
8) Chloroethane	1.59	64	153740	49.740	ug/L	99
9) Trichlorofluoromethane	1.75	101	323840	51.726	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	187194	54.141	ug/L	99
12) 1,1-Dichloroethene	2.12	96	179672	50.640	ug/L #	81
13) Acetone	2.17	43	208123	105.246	ug/L	99
14) Carbon disulfide	2.29	76	548694	47.066	ug/L	100
15) Methyl Acetate	2.43	43	220018	51.067	ug/L	99
16) Methylene chloride	2.51	84	208201	50.050	ug/L	99
17) trans-1,2-Dichloroethene	2.76	96	194012	49.889	ug/L	99
18) Methyl tert-butyl Ether	2.77	73	656291	48.297	ug/L	99
19) 1,1-Dichloroethane	3.19	63	379461	50.331	ug/L	99
20) cis-1,2-Dichloroethene	3.91	96	212798	49.777	ug/L #	99
22) 2-Butanone	3.96	43	309692	106.765	ug/L	98

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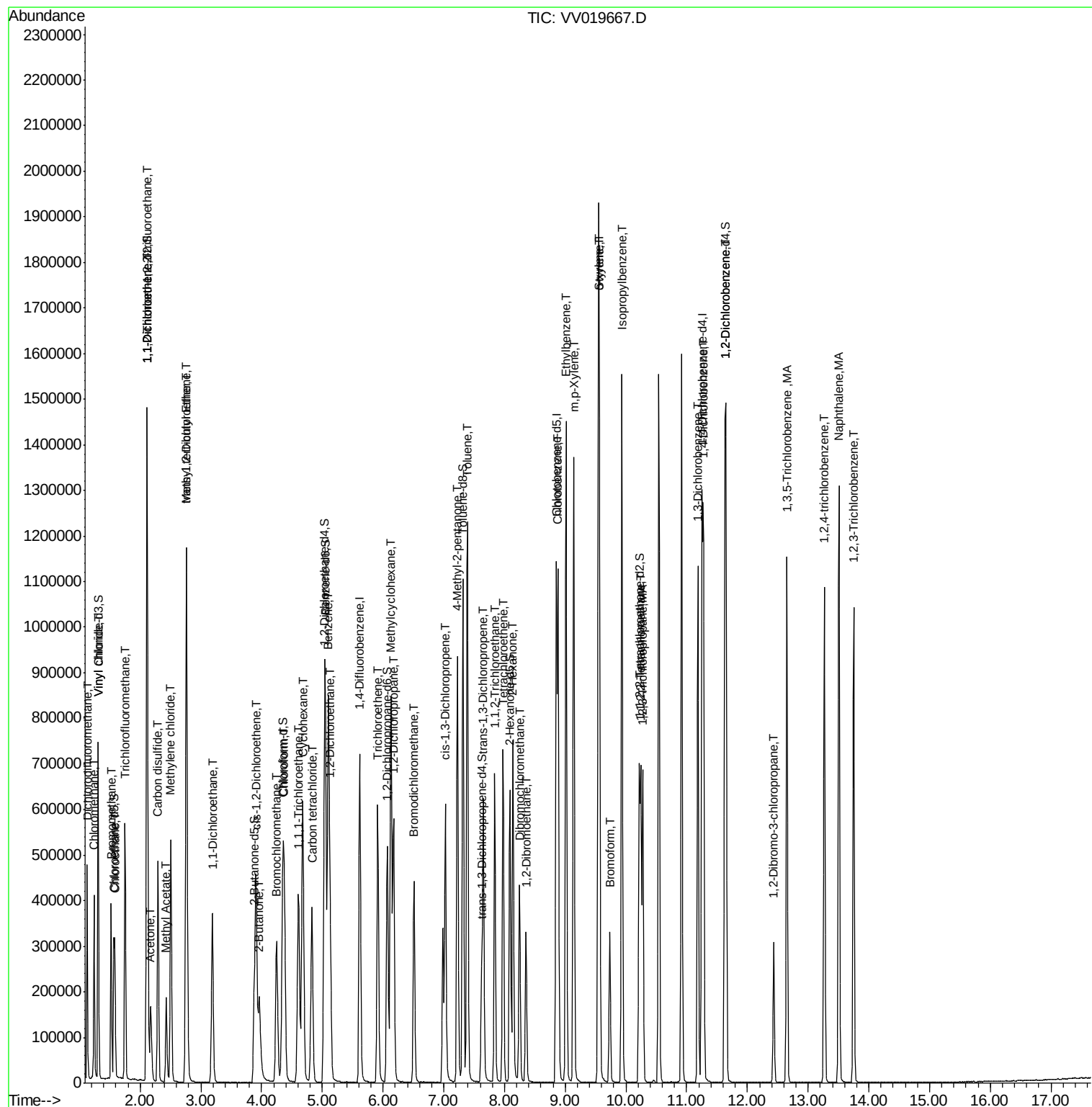
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	103495	49.203	ug/L	98
25) Chloroform	4.37	83	380390	50.518	ug/L	99
27) 1,2-Dichloroethane	5.13	62	313160	50.202	ug/L	99
29) Cyclohexane	4.68	56	352146	51.459	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	337040	48.141	ug/L	99
31) Carbon tetrachloride	4.83	117	282721	47.837	ug/L	99
33) Benzene	5.10	78	812700	49.803	ug/L	100
34) Trichloroethene	5.91	95	213015	49.416	ug/L	99
35) Methylcyclohexane	6.13	83	351889	53.734	ug/L	99
37) 1,2-Dichloropropane	6.17	63	217175	50.962	ug/L	100
38) Bromodichloromethane	6.51	83	285166	47.855	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	355392	50.213	ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	610734	99.337	ug/L	99
42) Toluene	7.39	91	854059	49.658	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	338786	47.273	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	198841	49.135	ug/L	99
46) Tetrachloroethene	7.98	164	150405	50.425	ug/L	99
48) 2-Hexanone	8.14	43	469011	100.537	ug/L	98
49) Dibromochloromethane	8.25	129	210682	47.539	ug/L	100
50) 1,2-Dibromoethane	8.35	107	208799	48.996	ug/L	100
51) Chlorobenzene	8.88	112	547600	49.852	ug/L	99
52) Ethylbenzene	9.01	91	980570	50.041	ug/L	100
53) m,p-Xylene	9.14	106	365040	49.864	ug/L	99
54) o-xylene	9.55	106	358998	50.031	ug/L	99
55) Styrene	9.56	104	620622	49.625	ug/L	99
56) Isopropylbenzene	9.94	105	969651	50.724	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	318015	48.866	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	261974	49.423	ug/L	100
61) Bromoform	9.73	173	136740	43.080	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	421881	47.935	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	430056	48.254	ug/L	100
65) 1,2-Dichlorobenzene	11.65	146	420429	48.343	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	77925	42.925	ug/L	97
67) 1,3,5-Trichlorobenzene	12.65	180	312308	50.224	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	283735	48.801	ug/L	99
69) Naphthalene	13.51	128	937315	46.428	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	275846	48.549	ug/L	99

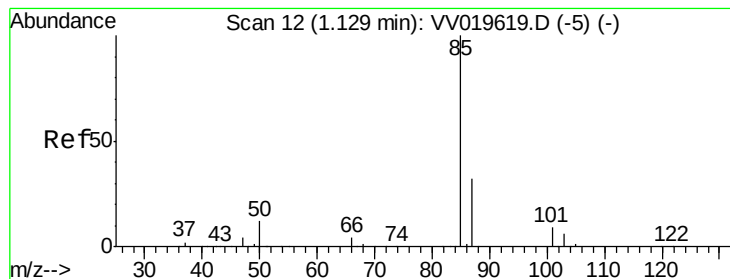
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.017 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

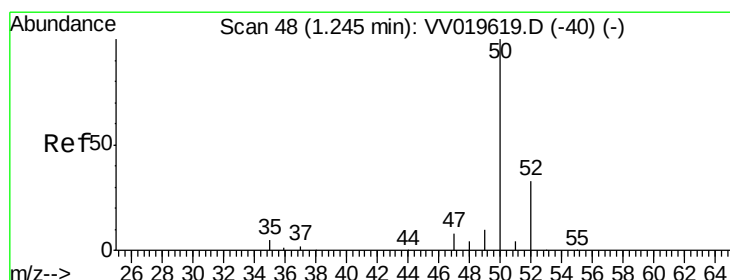
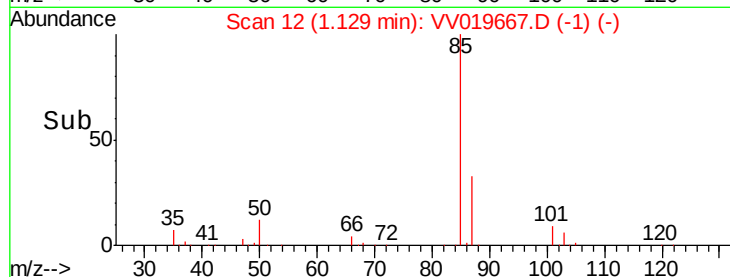
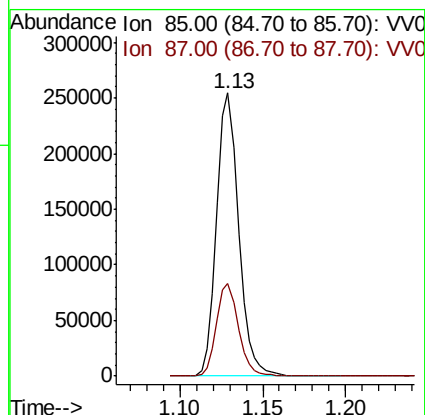
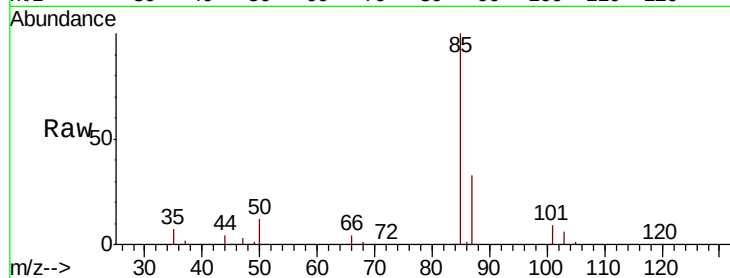
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 235589

Ion Ratio Lower Upper

85 100

87 32.7 25.7 38.5



#3

Chloromethane

Concen: 49.100 ug/L

RT: 1.24 min Scan# 47

Delta R.T. 0.00 min

Lab File: VV019667.D

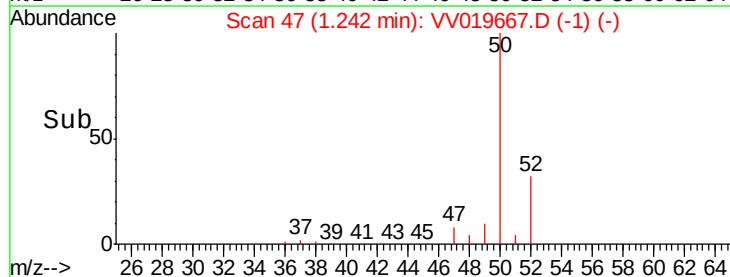
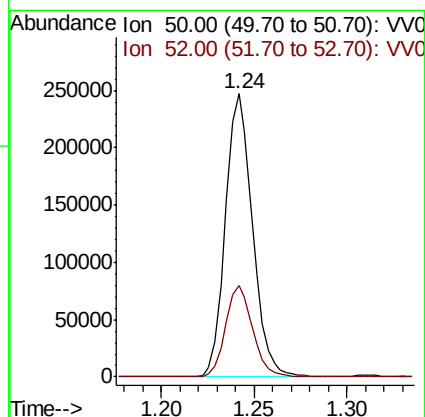
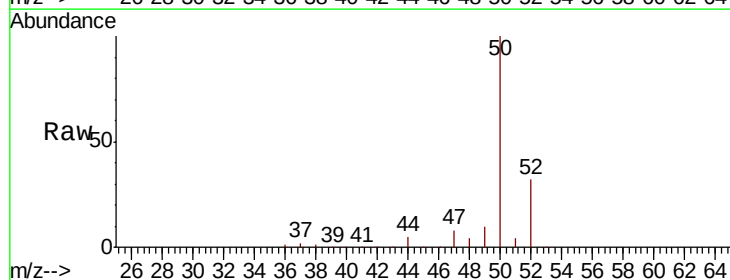
Acq: 16 Dec 2020 10:50

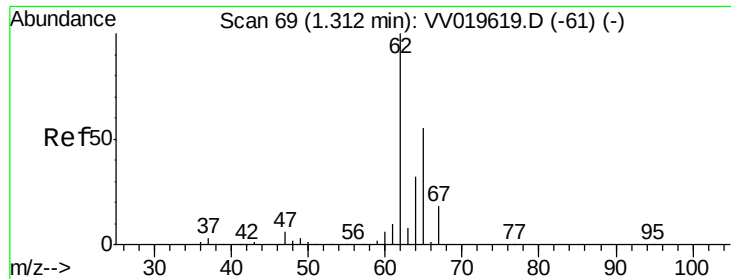
Tgt Ion: 50 Resp: 250841

Ion Ratio Lower Upper

50 100

52 32.4 23.2 43.0





#5

Vinyl chloride

Concen: 49.237 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

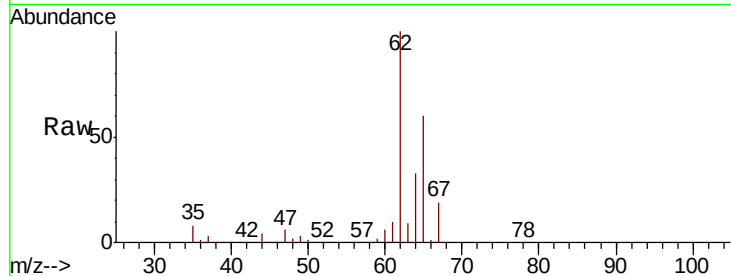
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 252308

Ion Ratio Lower Upper

62 100

64 33.2 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.31

250000

200000

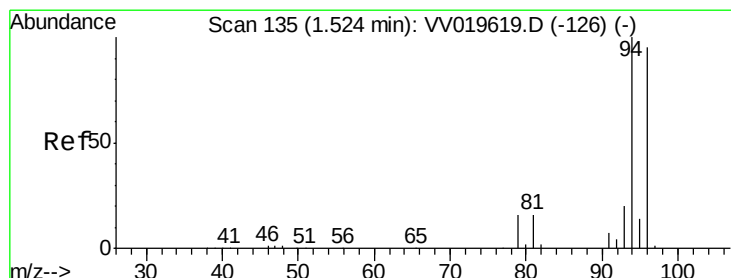
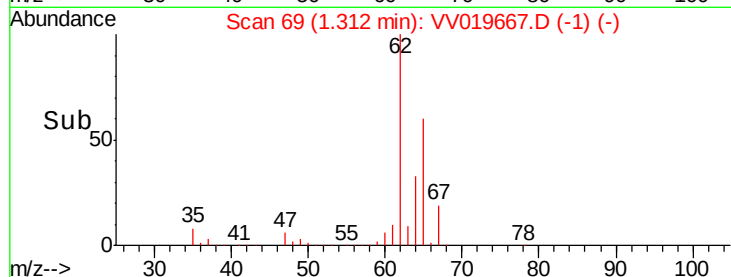
150000

100000

50000

0

Time--> 1.25 1.30 1.35



#6

Bromomethane

Concen: 49.415 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV019667.D

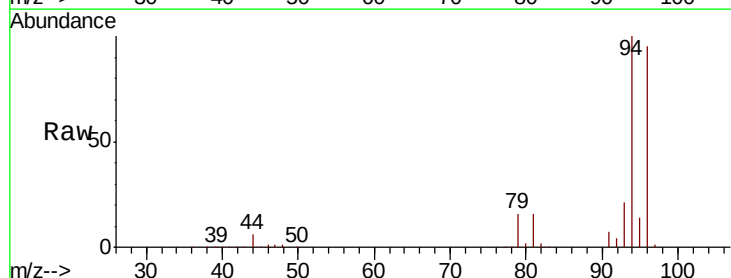
Acq: 16 Dec 2020 10:50

Tgt Ion: 94 Resp: 152068

Ion Ratio Lower Upper

94 100

96 95.3 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

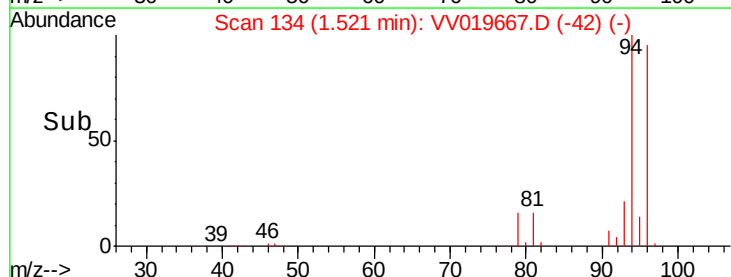
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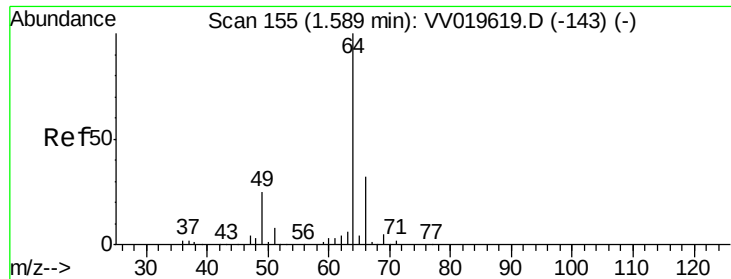
100000

50000

0

Time--> 1.45 1.50 1.55 1.60

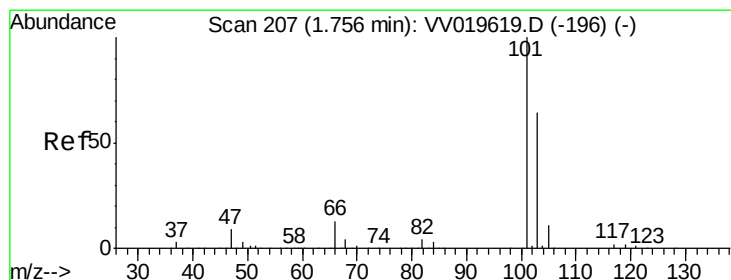
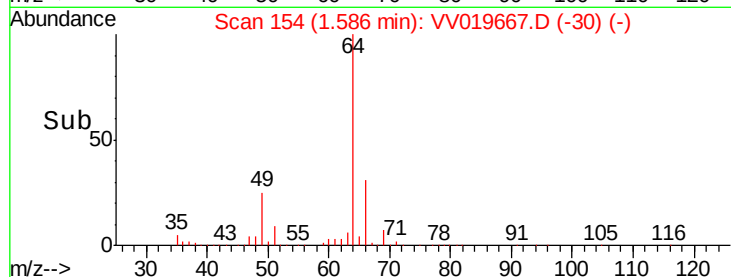
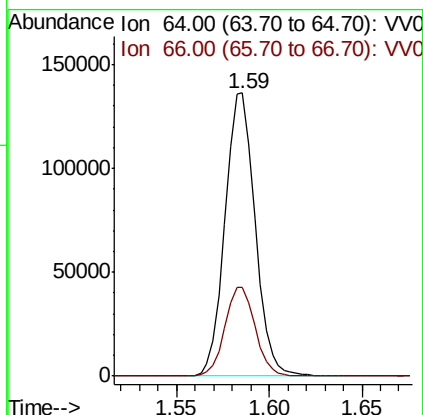
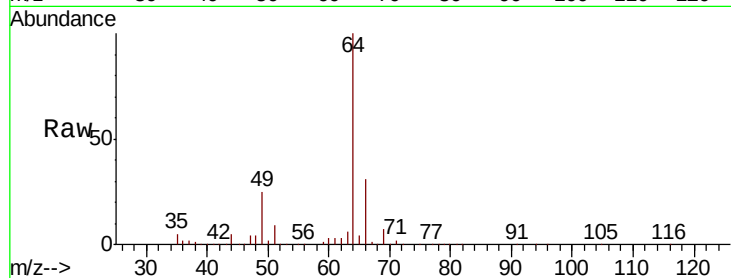




#8
Chloroethane
Concen: 49.740 ug/L
RT: 1.59 min Scan# 154
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

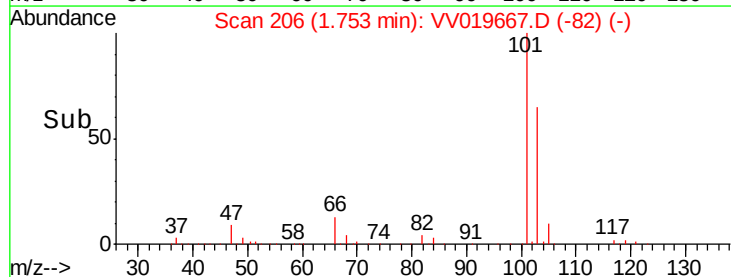
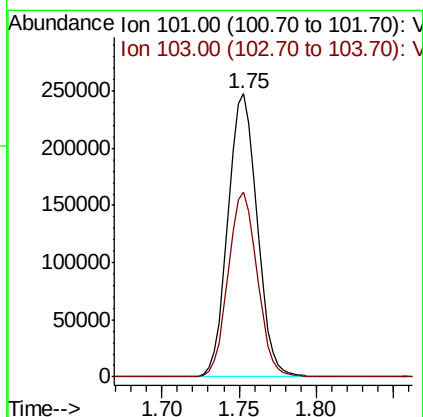
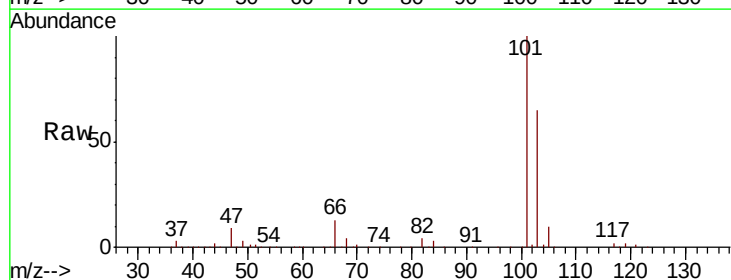
Instrument :
MSVOA_V
ClientSampleId :

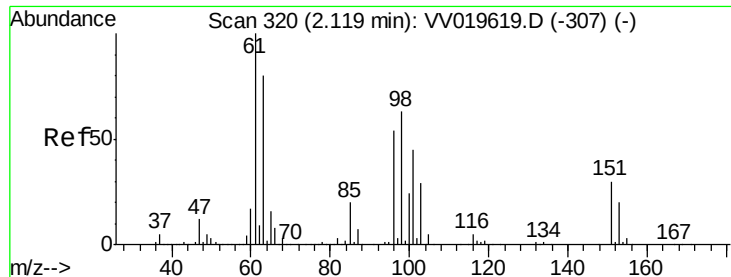
Tot Ion: 64 Resp: 153740
Ion Ratio Lower Upper
64 100
66 31.5 22.5 41.7



#9
Trichlorofluoromethane
Concen: 51.726 ug/L
RT: 1.75 min Scan# 206
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

Tgt Ion: 101 Resp: 323840
Ion Ratio Lower Upper
101 100
103 65.0 51.6 77.4





#10

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

Concen: 54.141 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

Instrument :

MSVOA_V

ClientSampled :

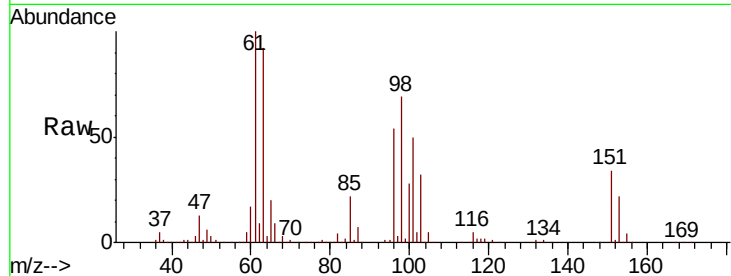
Tot Ion:101 Resp: 187194

Ion Ratio Lower Upper

101 100

85 43.6 35.0 52.4

151 68.4 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019667.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019667.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019667.D (-227) (-)

2.12

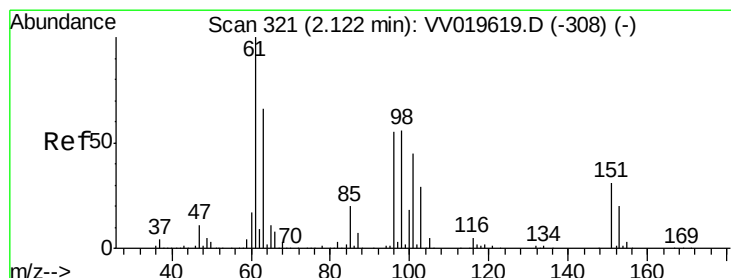
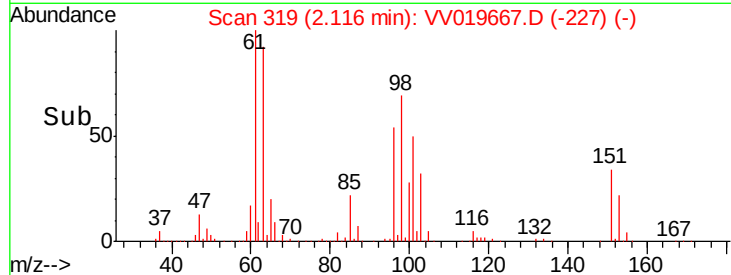
100000

50000

0

Time-->

2.05 2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 50.640 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

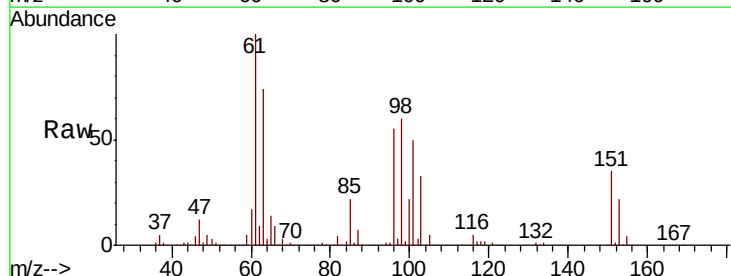
Tgt Ion: 96 Resp: 179672

Ion Ratio Lower Upper

96 100

61 180.9 120.7 224.1

63 133.9 64.3 119.5#



Abundance Ion 96.00 (95.70 to 96.70): VV019667.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019667.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019667.D (-227) (-)

2.12

300000

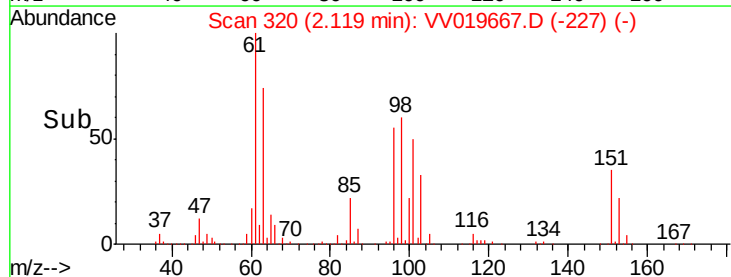
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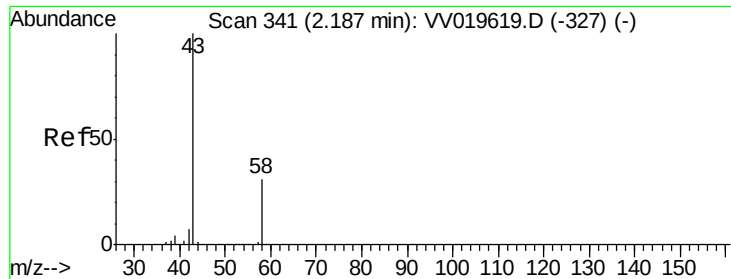
100000

0

Time-->

2.05 2.10 2.15 2.20





#13

Acetone

Concen: 105.246 ug/L

RT: 2.17 min Scan# 337

Delta R.T. -0.01 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

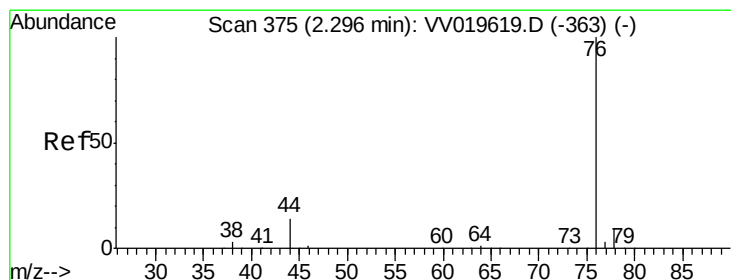
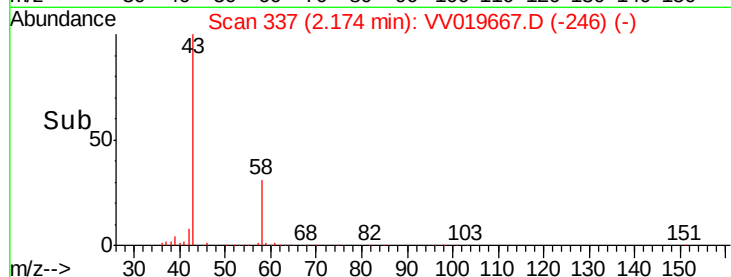
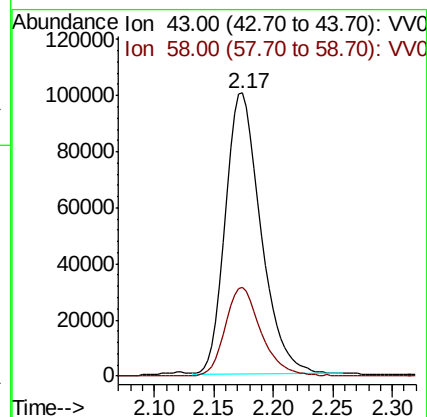
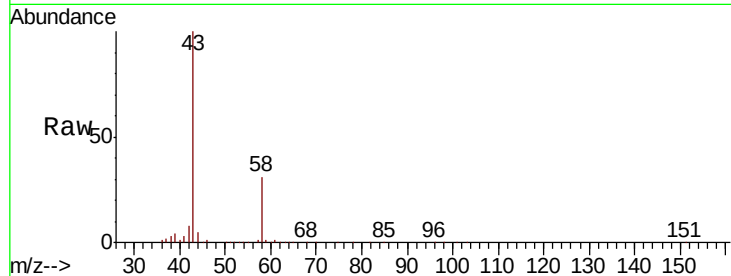
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 208123

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.6



#14

Carbon disulfide

Concen: 47.066 ug/L

RT: 2.29 min Scan# 374

Delta R.T. -0.00 min

Lab File: VV019667.D

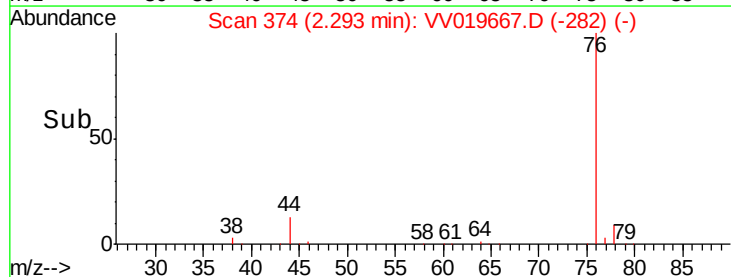
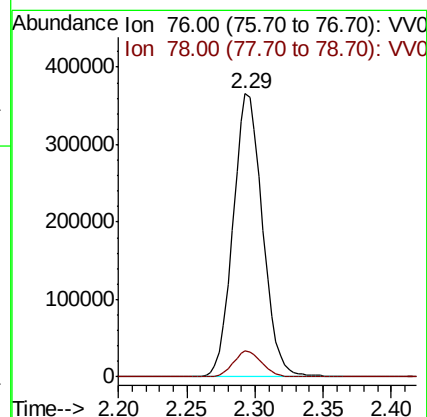
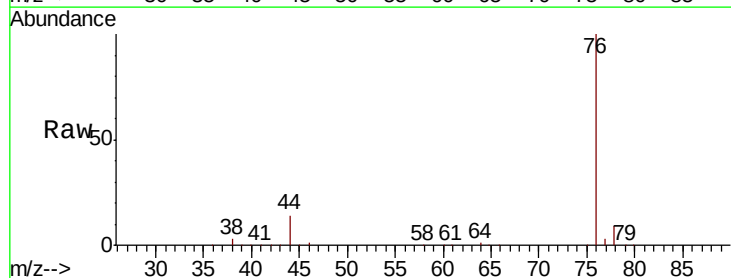
Acq: 16 Dec 2020 10:50

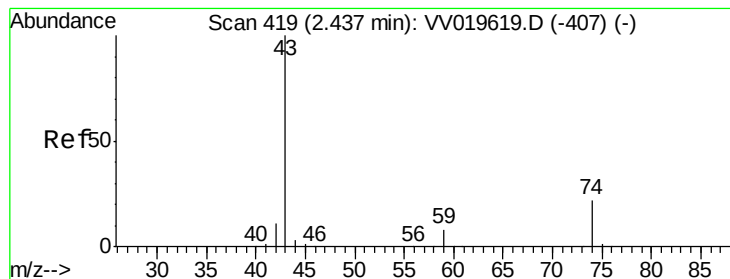
Tgt Ion: 76 Resp: 548694

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8





#15

Methvl Acetate

Concen: 51.067 ug/L

RT: 2.43 min Scan# 416

Delta R.T. -0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

Instrument :

MSVOA_V

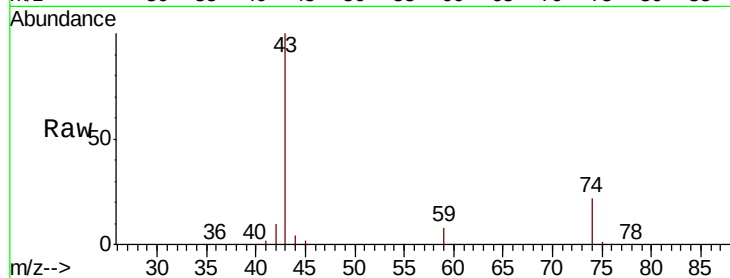
ClientSampled :

Tot Ion: 43 Resp: 220018

Ion Ratio Lower Upper

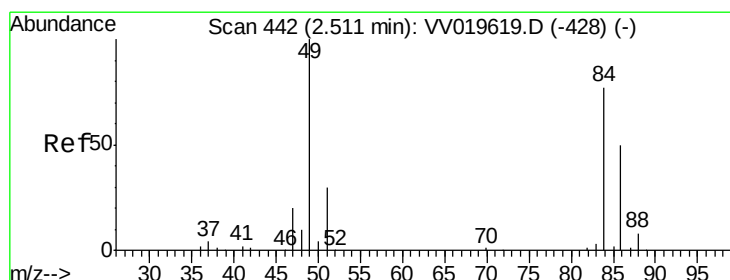
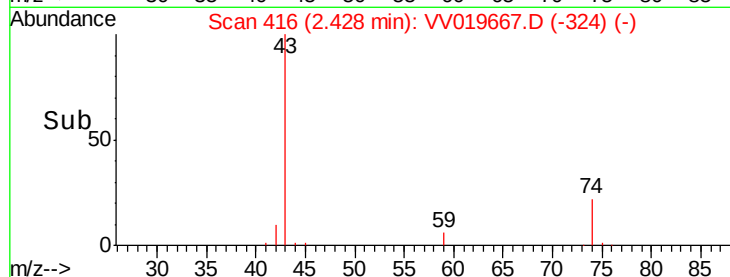
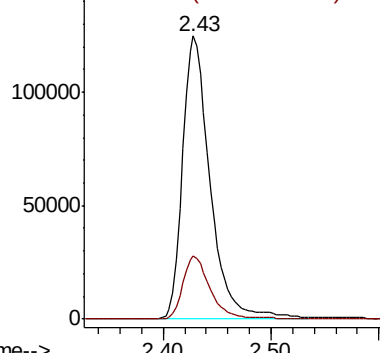
43 100

74 22.3 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 50.050 ug/L

RT: 2.51 min Scan# 440

Delta R.T. -0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

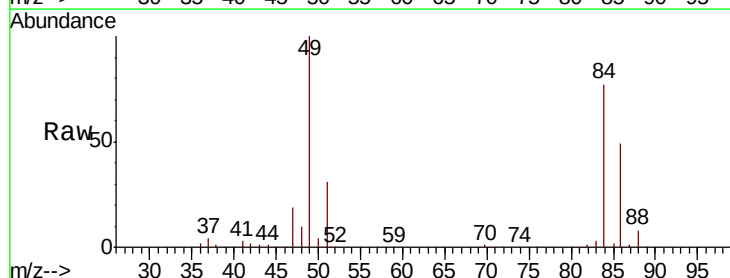
Tgt Ion: 84 Resp: 208201

Ion Ratio Lower Upper

84 100

86 64.4 45.7 84.9

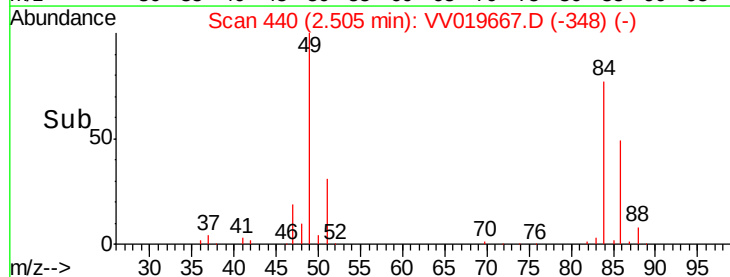
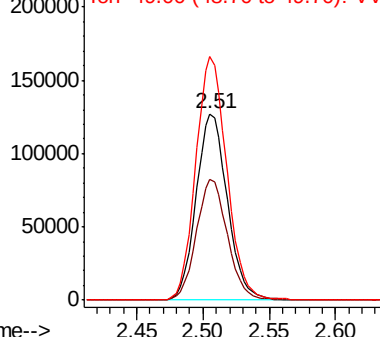
49 130.5 90.6 168.3

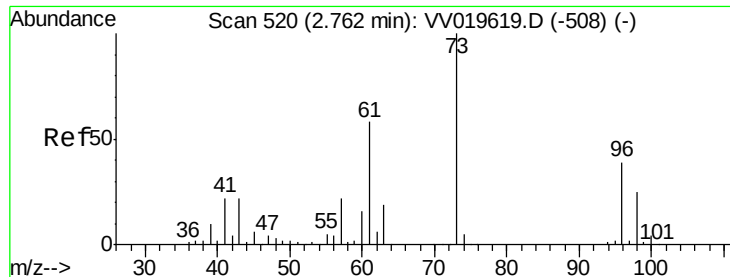


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

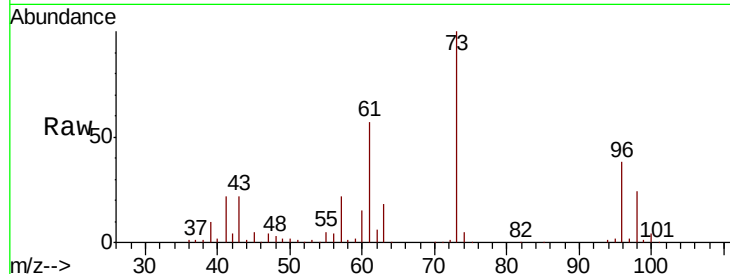




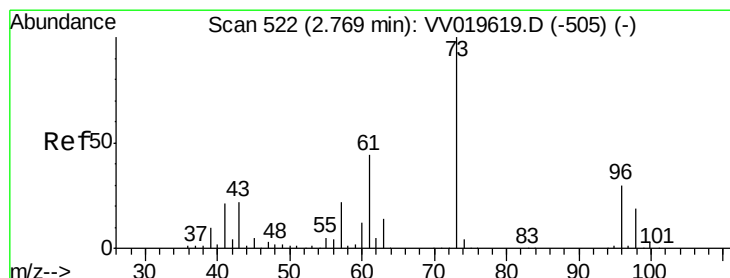
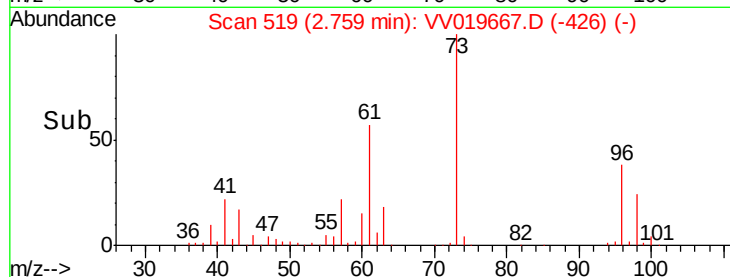
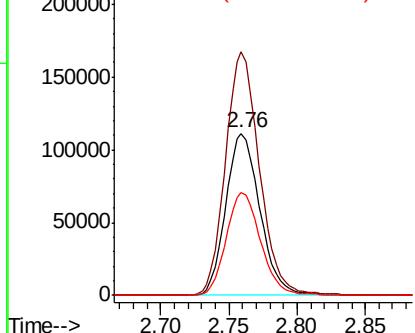
#17
trans-1,2-Dichloroethene
Concen: 49.889 ug/L
RT: 2.76 min Scan# 519
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 194012
Ion Ratio Lower Upper
96 100
61 150.1 103.5 192.1
98 63.4 44.4 82.5

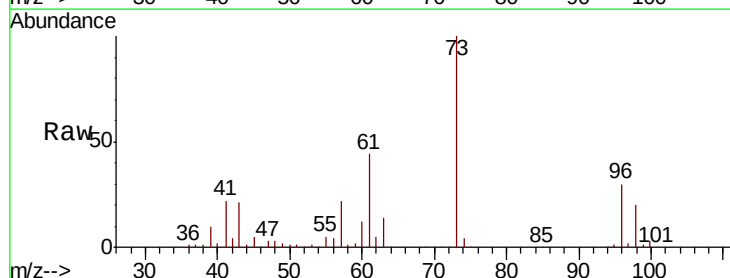


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

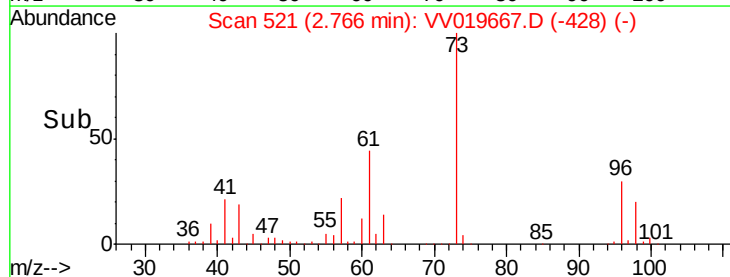
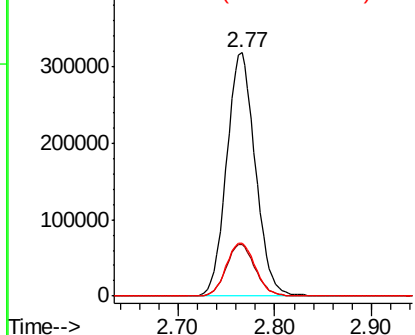


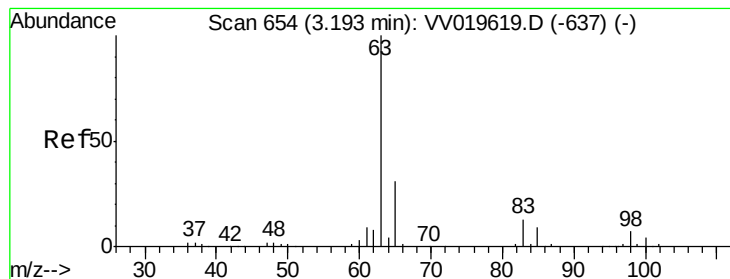
#18
Methyl tert-butyl Ether
Concen: 48.297 ug/L
RT: 2.77 min Scan# 521
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

Tgt Ion: 73 Resp: 656291
Ion Ratio Lower Upper
73 100
43 21.3 17.3 25.9
57 22.3 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: 50.331 ug/L

RT: 3.19 min Scan# 652

Delta R.T. -0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

Instrument :

MSVOA_V

ClientSampled :

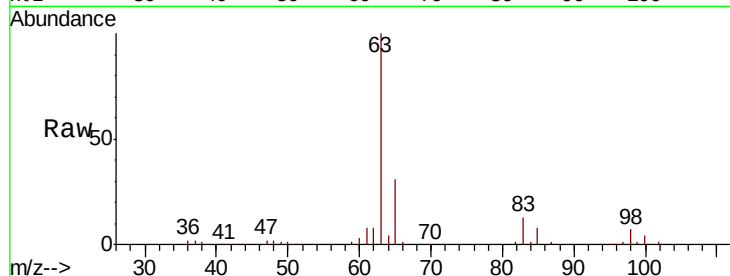
Tot Ion: 63 Resp: 379461

Ion Ratio Lower Upper

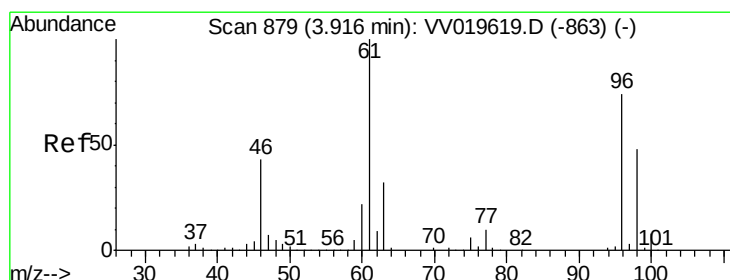
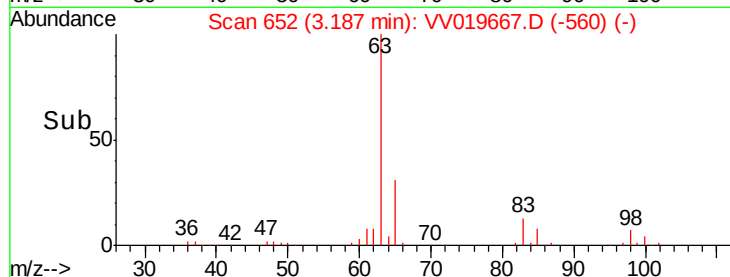
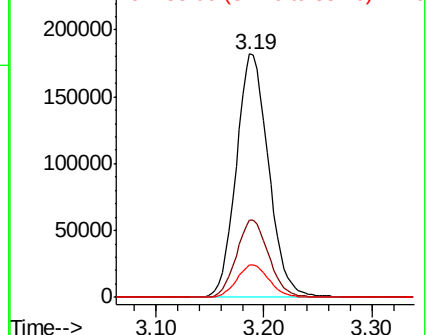
63 100

65 31.5 22.4 41.6

83 13.2 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: 49.777 ug/L

RT: 3.91 min Scan# 877

Delta R.T. -0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

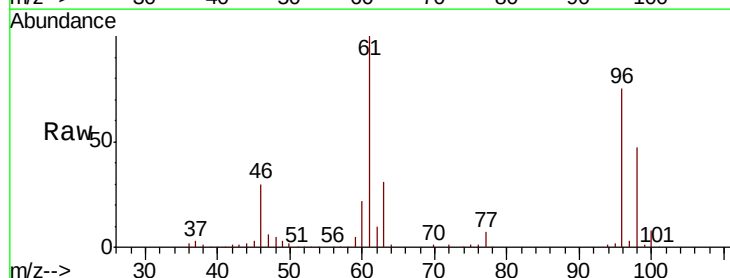
Tgt Ion: 96 Resp: 212798

Ion Ratio Lower Upper

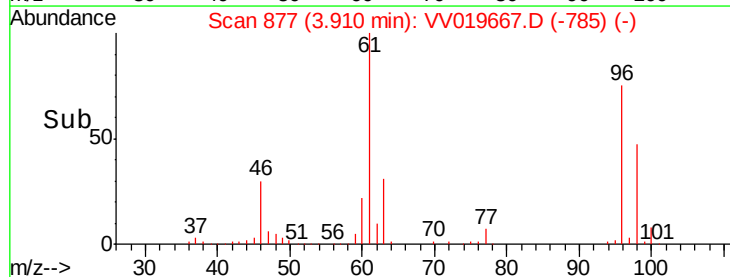
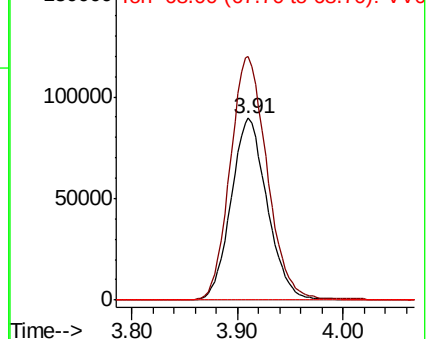
96 100

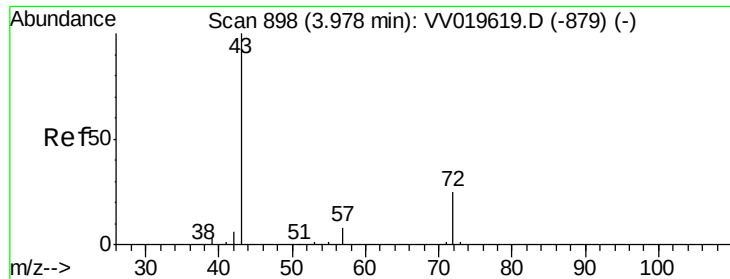
61 133.8 94.1 174.8

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: 106.765 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.01 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

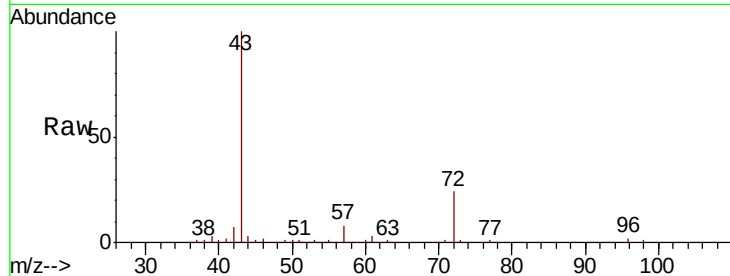
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 309692

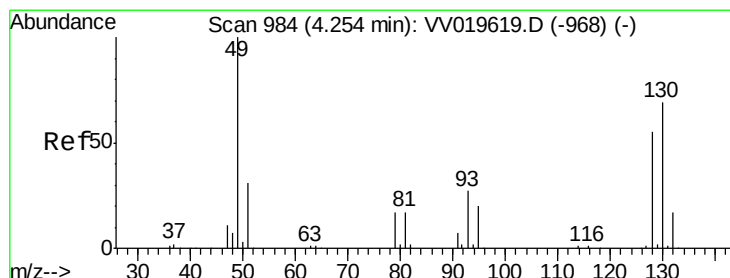
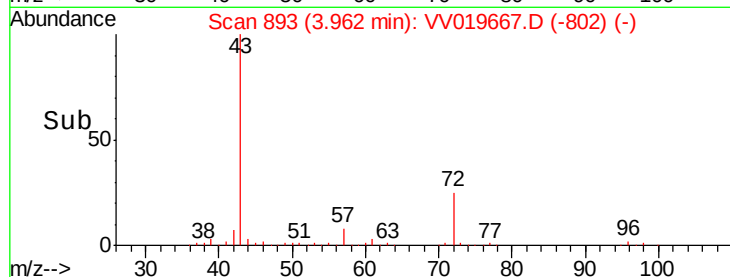
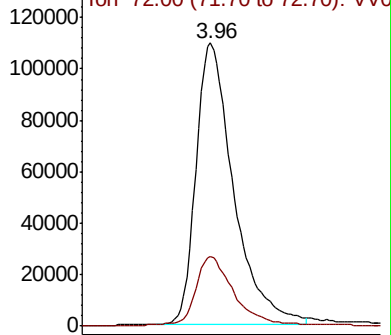
Ion Ratio Lower Upper

43 100

72 25.7 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019667.D (-893) (-)



#23

Bromochloromethane

Concen: 49.203 ug/L

RT: 4.25 min Scan# 982

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

Tgt Ion:128 Resp: 103495

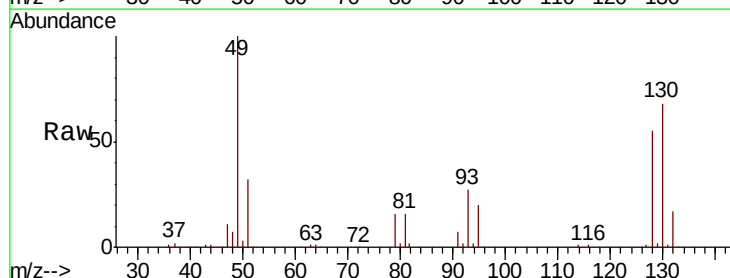
Ion Ratio Lower Upper

128 100

49 182.7 127.0 235.8

130 124.0 90.3 167.7

51 58.1 44.5 66.7



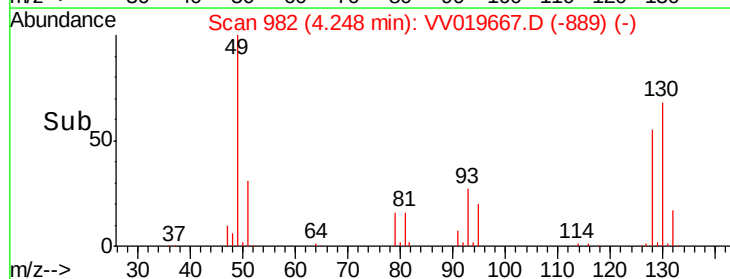
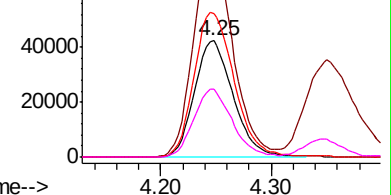
Abundance Ion 128.00 (127.70 to 128.70): VV019667.D (-889) (-)

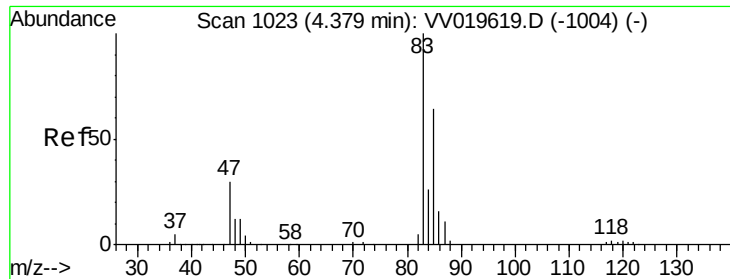
Ion 49.00 (48.70 to 49.70): VV019667.D (-889) (-)

Ion 130.00 (129.70 to 130.70): VV019667.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VV019667.D (-889) (-)

Abundance

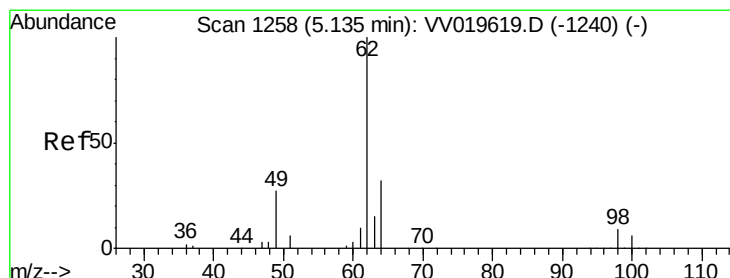
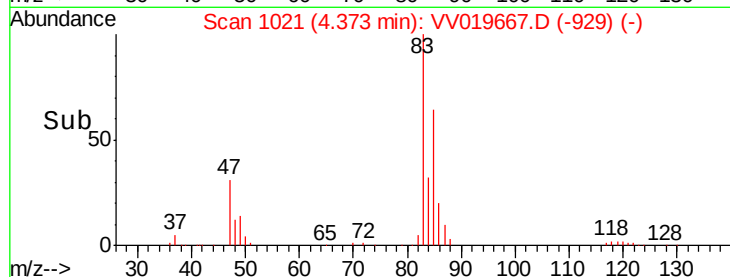
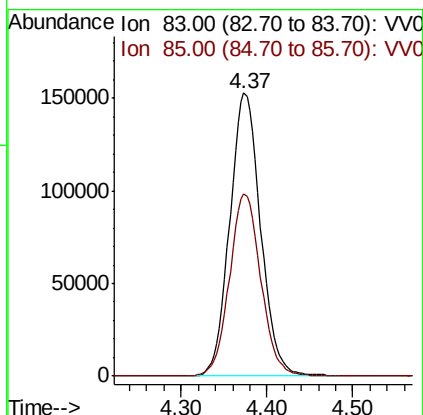
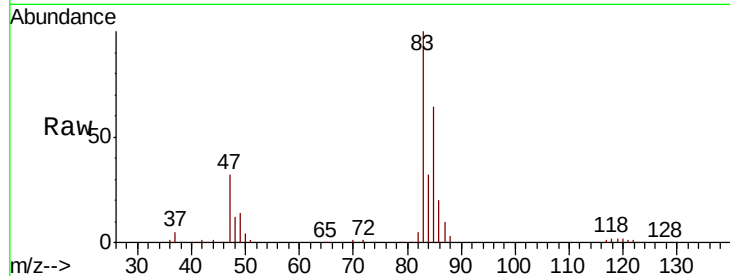




#25
Chloroform
Concen: 50.518 ug/L
RT: 4.37 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

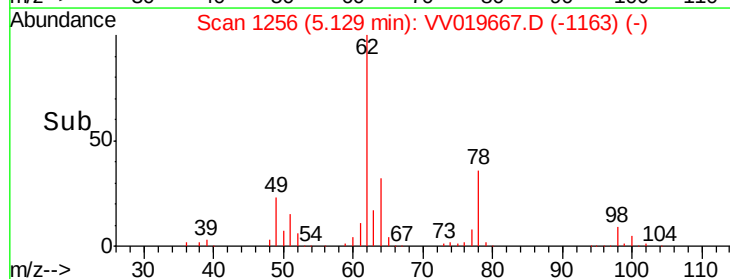
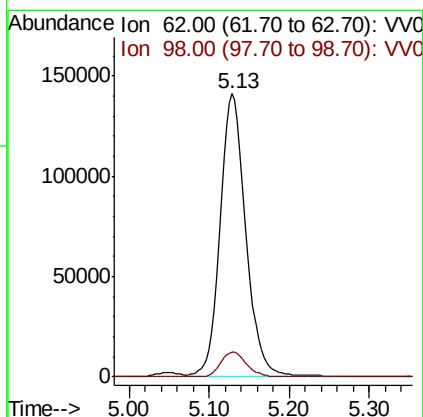
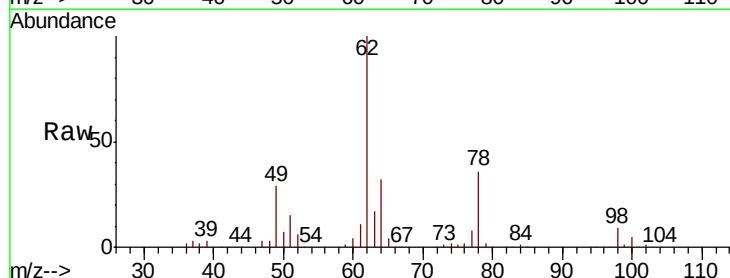
Instrument :
MSVOA_V
ClientSampleId :

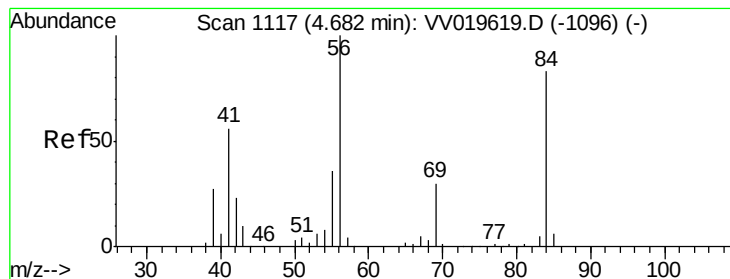
Tot Ion: 83 Resp: 380390
Ion Ratio Lower Upper
83 100
85 64.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 50.202 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

Tgt Ion: 62 Resp: 313160
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.0





#29

Cyclohexane

Concen: 51.459 ug/L

RT: 4.68 min Scan# 1116

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

Instrument :
MSVOA_V
ClientSampleId :

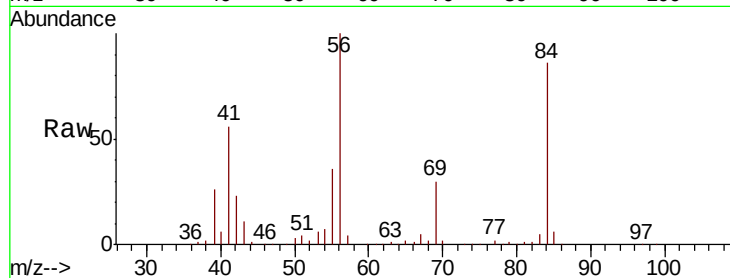
Tot Ion: 56 Resp: 352146

Ion Ratio Lower Upper

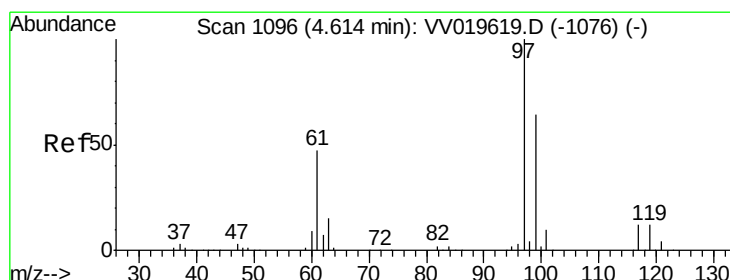
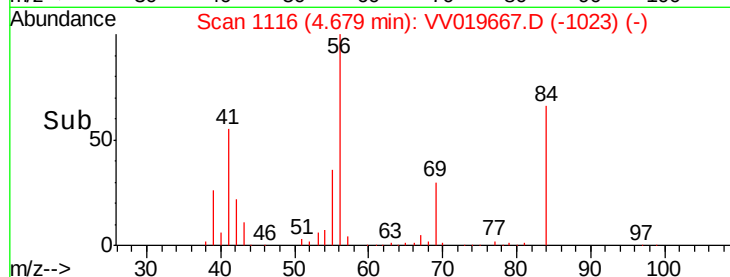
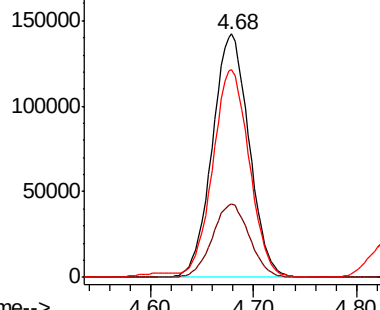
56 100

69 30.3 24.6 37.0

84 84.6 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: 48.141 ug/L

RT: 4.61 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

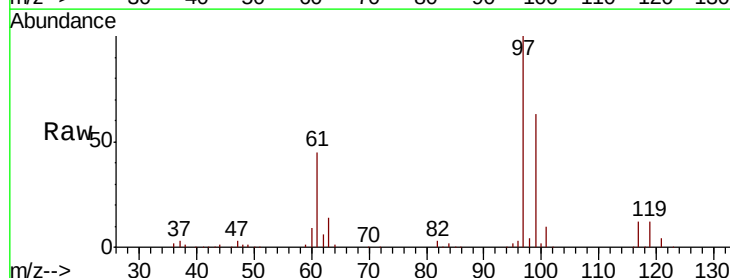
Tgt Ion: 97 Resp: 337040

Ion Ratio Lower Upper

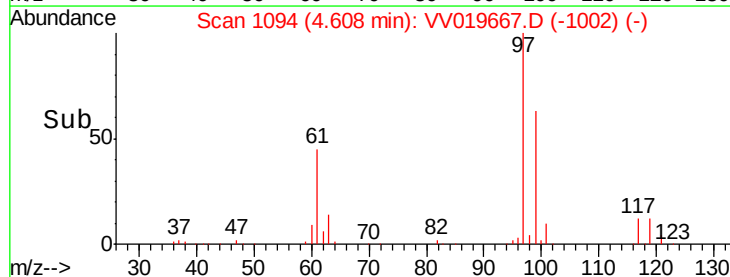
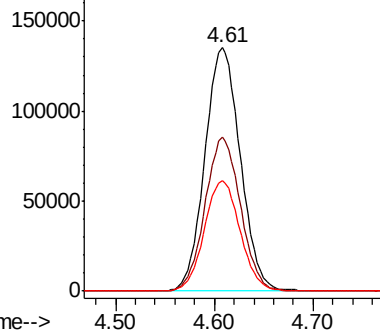
97 100

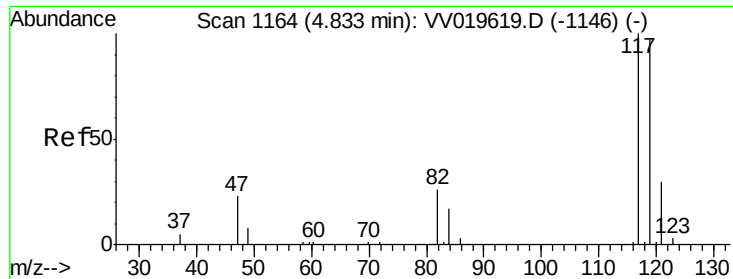
99 63.3 51.3 76.9

61 46.0 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

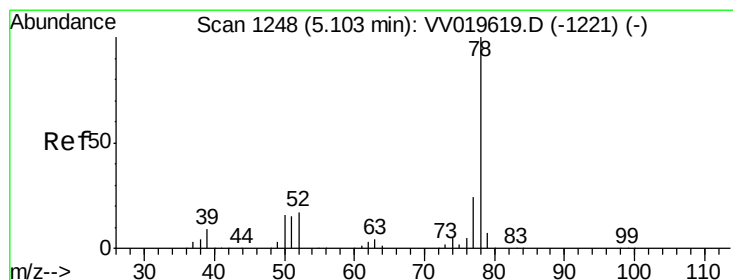
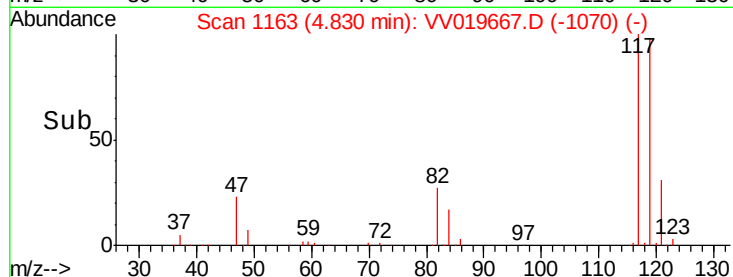
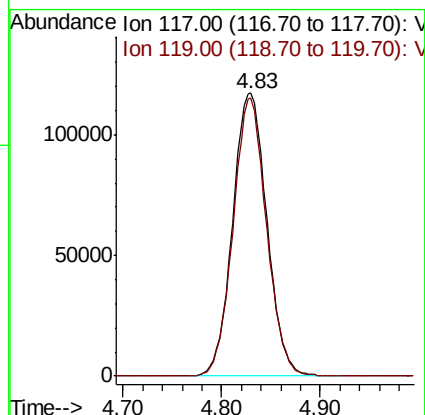
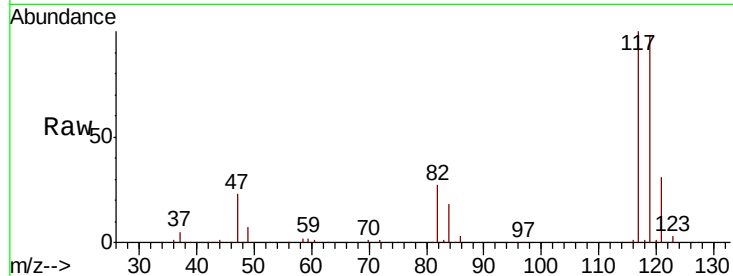




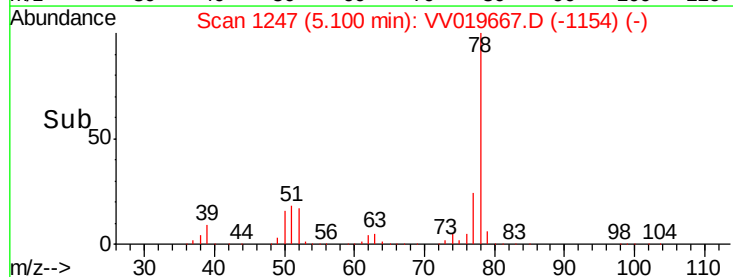
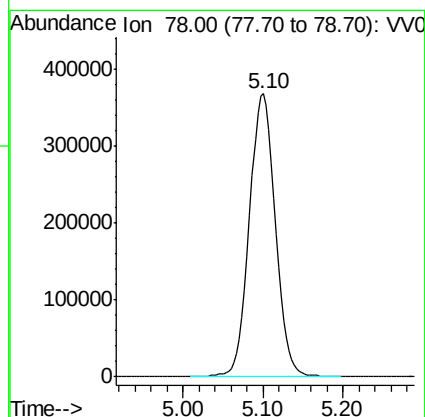
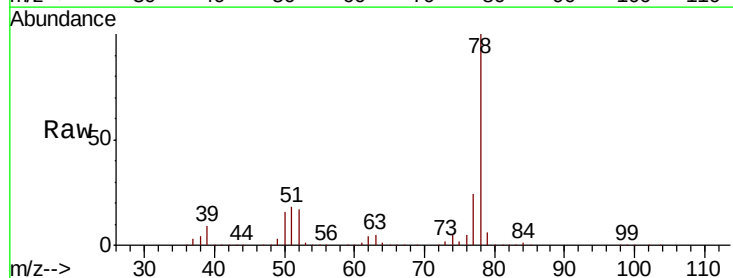
#31
Carbon tetrachloride
Concen: 47.837 ug/L
RT: 4.83 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

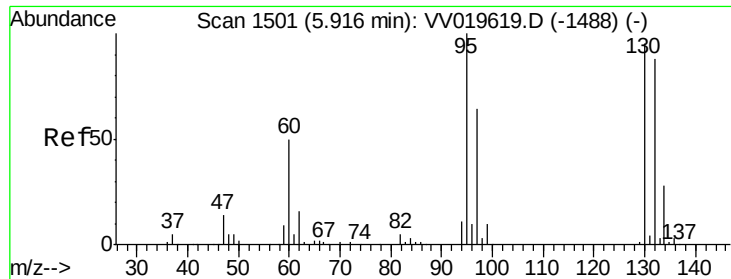
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 282721
Ion Ratio Lower Upper
117 100
119 95.9 75.7 113.5



#33
Benzene
Concen: 49.803 ug/L
RT: 5.10 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50
Tgt Ion: 78 Resp: 812700





#34

Trichloroethene

Concen: 49.416 ug/L

RT: 5.91 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 213015

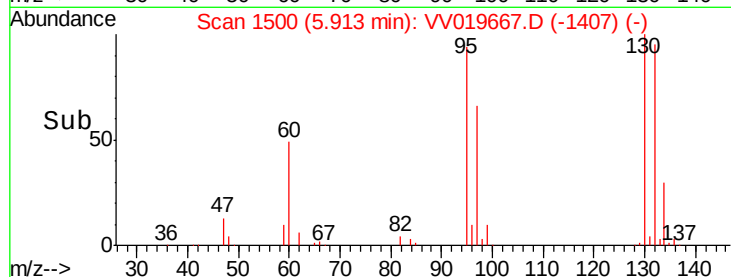
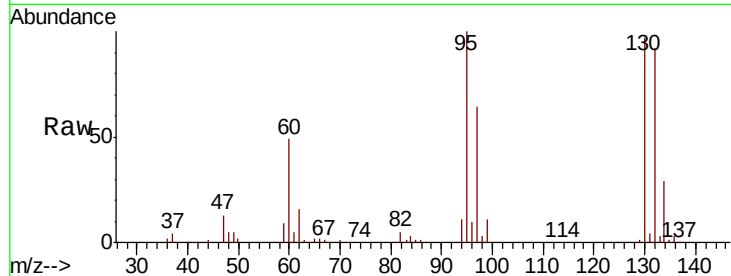
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.4

132 92.2 64.3 119.3

130 97.0 67.8 125.8

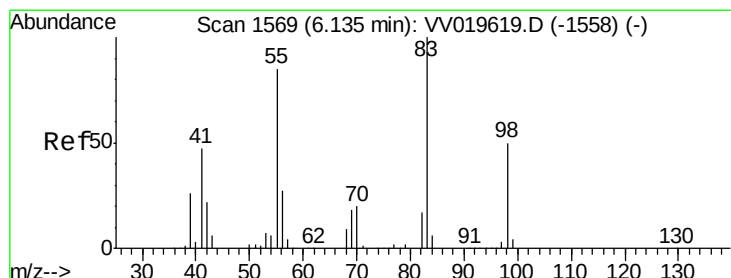
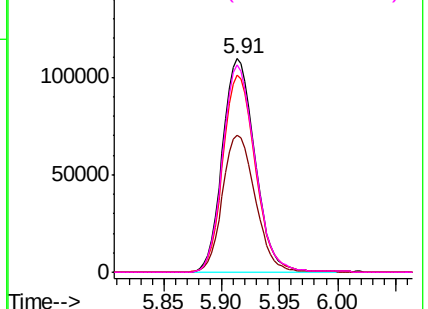


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 53.734 ug/L

RT: 6.13 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

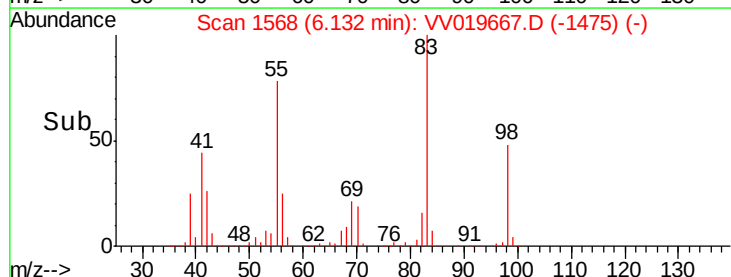
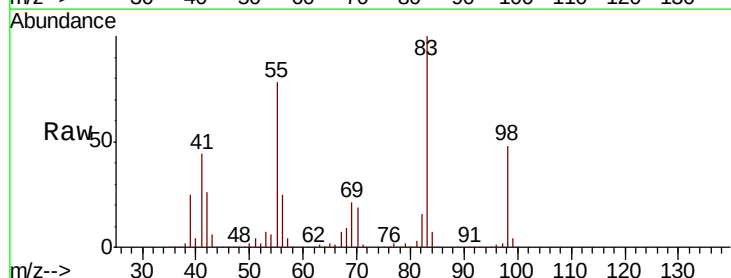
Tgt Ion: 83 Resp: 351889

Ion Ratio Lower Upper

83 100

55 80.1 64.2 96.4

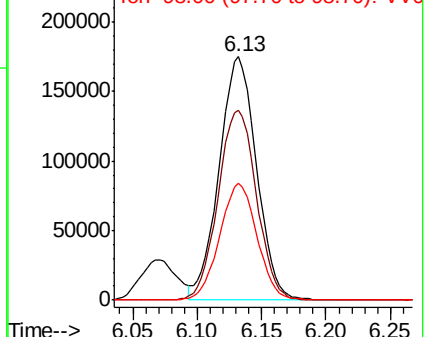
98 48.2 39.3 58.9

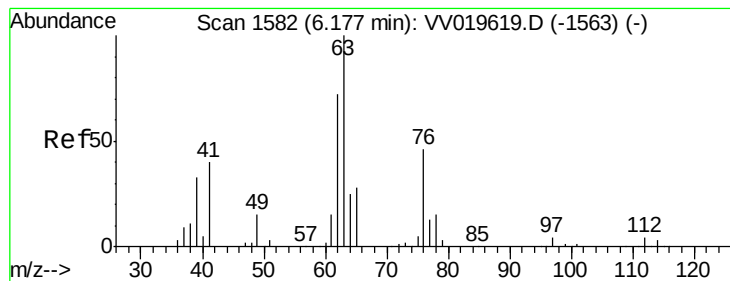


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 50.962 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

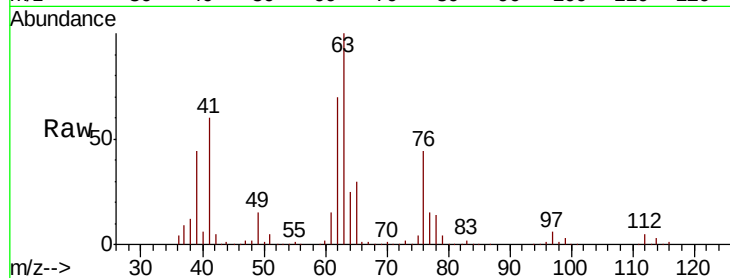
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 217175

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

120000

100000

80000

60000

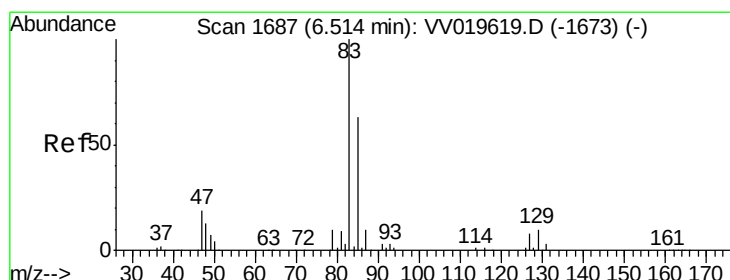
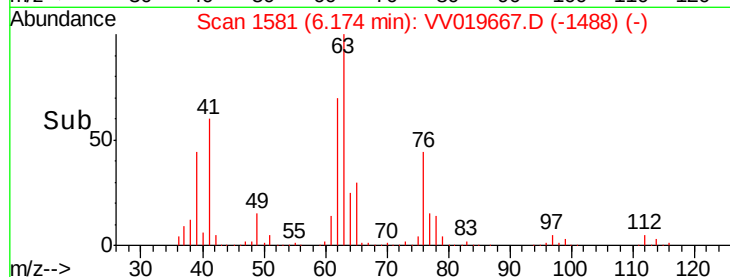
40000

20000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 47.855 ug/L

RT: 6.51 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

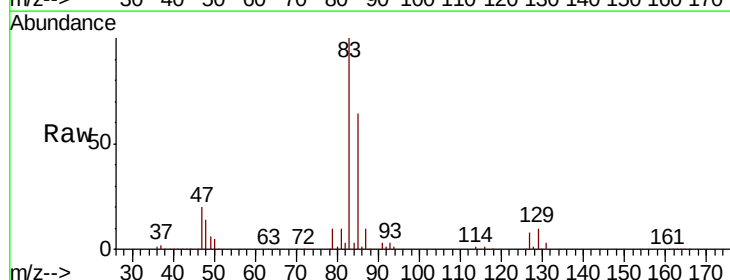
Tgt Ion: 83 Resp: 285166

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.5

127 8.1 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

200000

150000

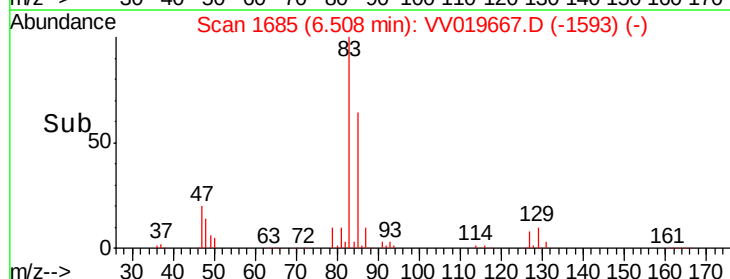
100000

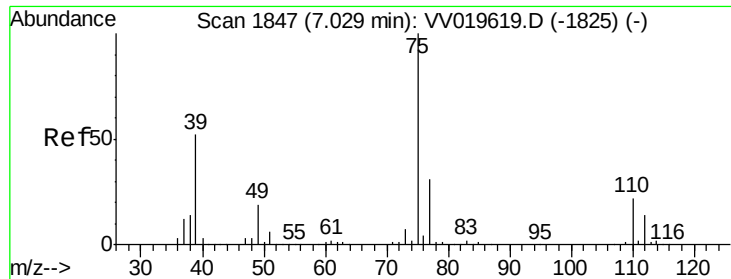
50000

0

6.45 6.50 6.55 6.60

Time-->



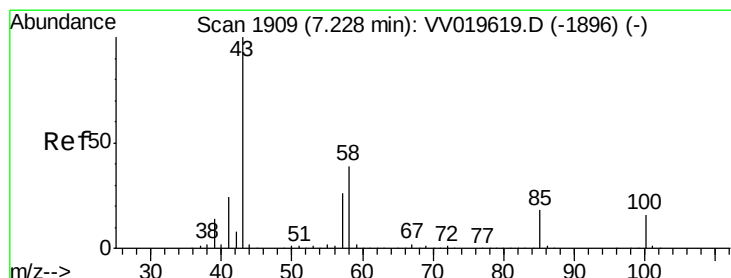
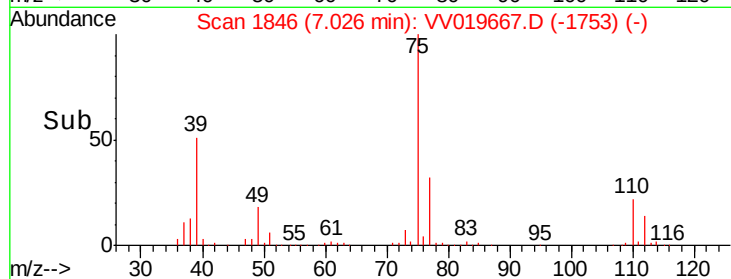
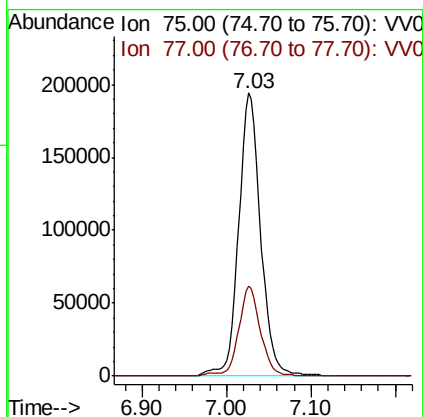
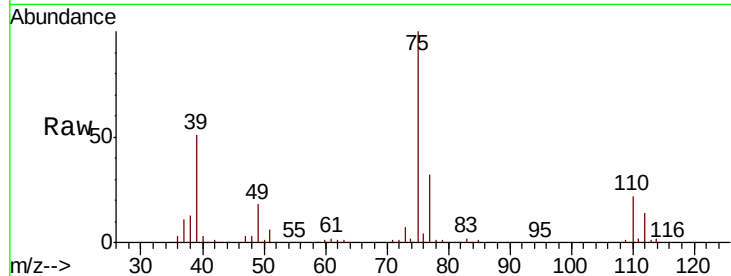


#39

cis-1,3-Dichloropropene
Concen: 50.213 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

Instrument :
MSVOA_V
ClientSampled :

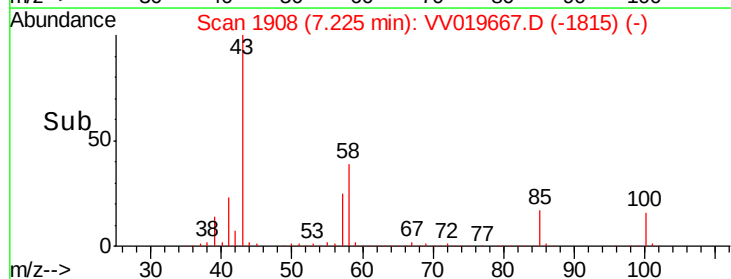
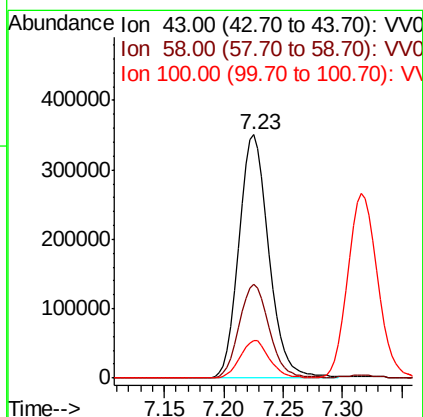
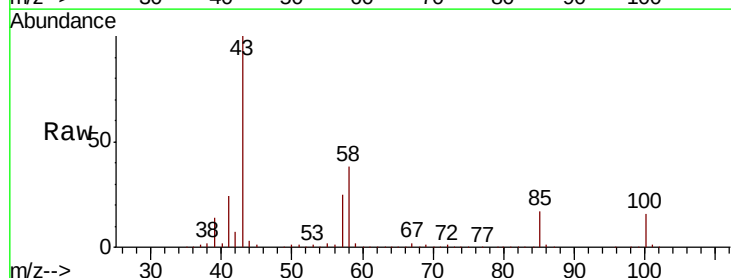
Tot Ion: 75 Resp: 355392
Ion Ratio Lower Upper
75 100
77 32.0 22.4 41.6

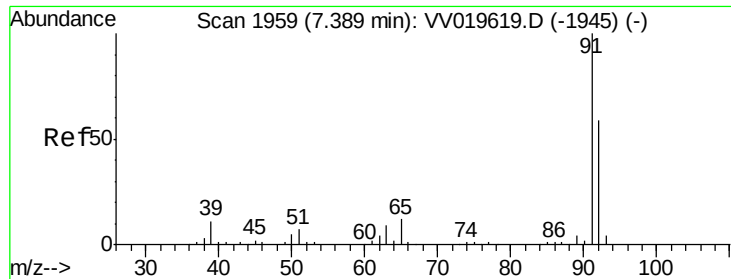


#40

4-Methyl-2-pentanone
Concen: 99.337 ug/L
RT: 7.23 min Scan# 1908
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

Tgt Ion: 43 Resp: 610734
Ion Ratio Lower Upper
43 100
58 38.9 31.7 47.5
100 15.3 12.5 18.7





#42

Toluene

Concen: 49.658 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

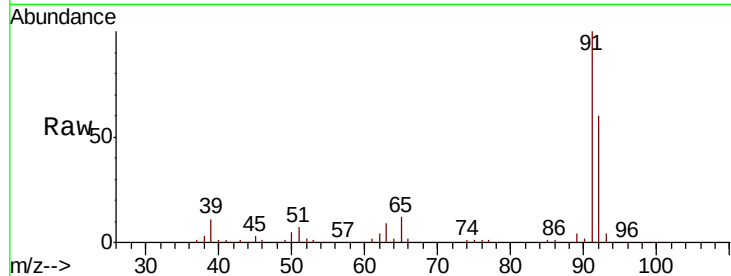
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 854059

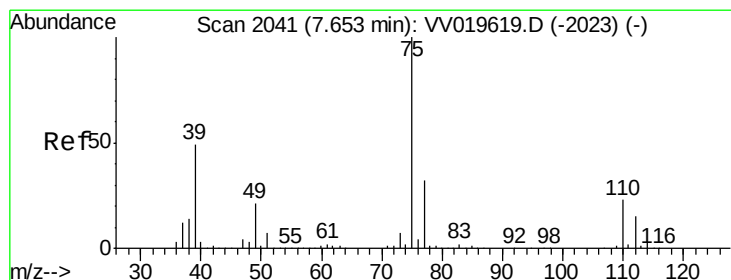
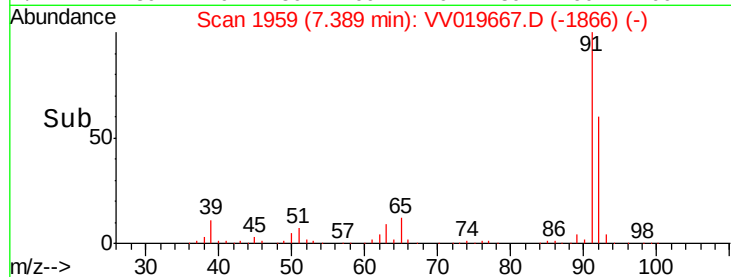
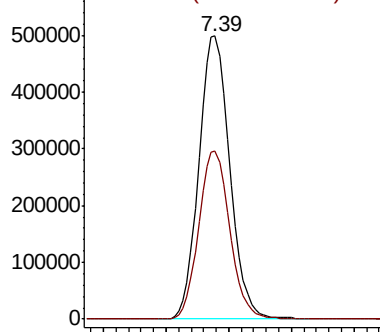
Ion Ratio Lower Upper

91 100

92 59.6 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: 47.273 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. 0.00 min

Lab File: VV019667.D

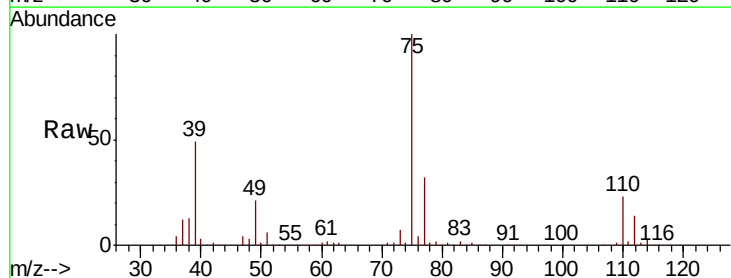
Acq: 16 Dec 2020 10:50

Tgt Ion: 75 Resp: 338786

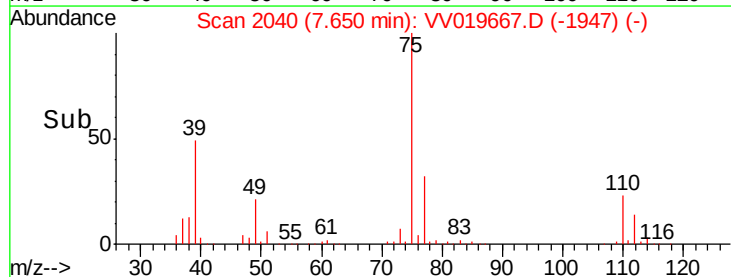
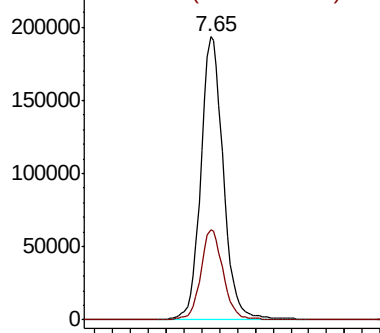
Ion Ratio Lower Upper

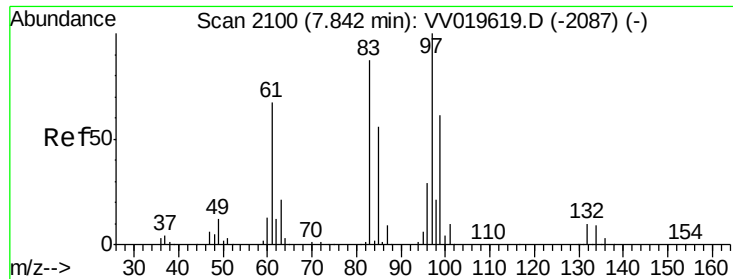
75 100

77 32.0 22.5 41.9



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

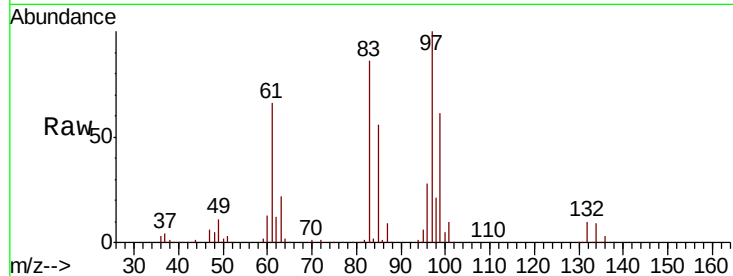




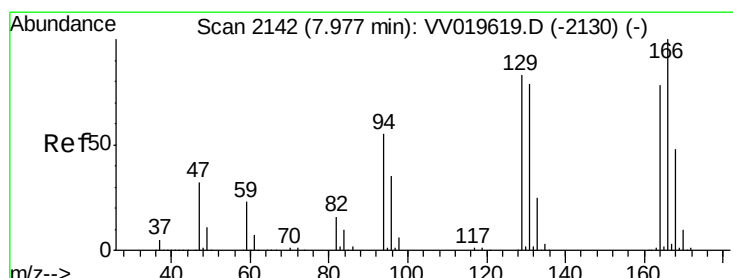
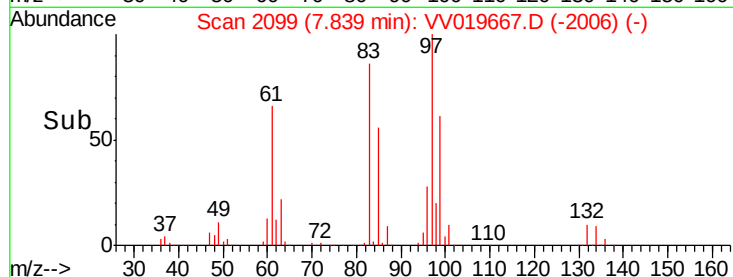
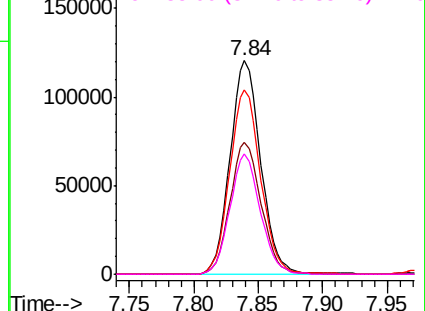
#45
1,1,2-Trichloroethane
Concen: 49.135 ug/L
RT: 7.84 min Scan# 2099
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	97	Resp:	198841
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.1	81.9
83	86.4	60.0	111.4
85	56.1	38.6	71.8

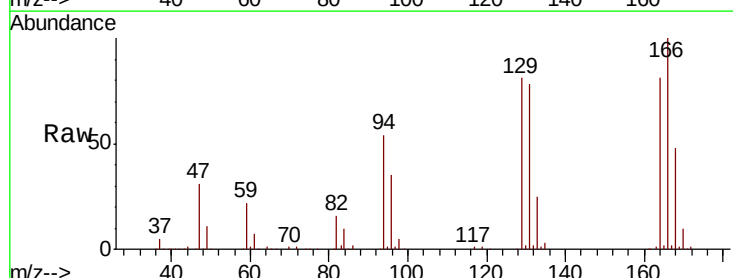


Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

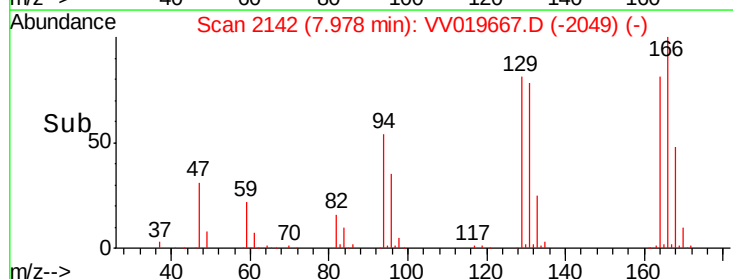
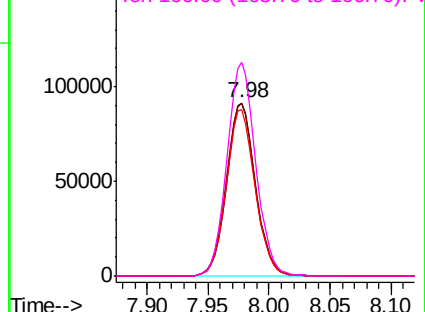


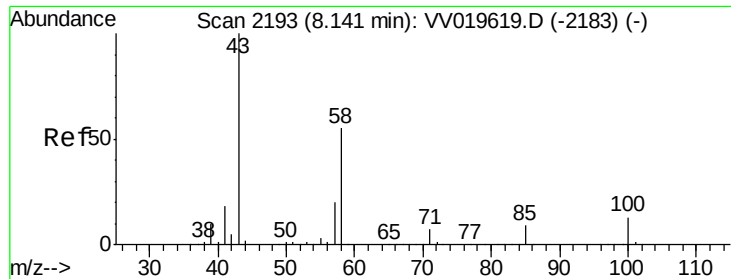
#46
Tetrachloroethene
Concen: 50.425 ug/L
RT: 7.98 min Scan# 2142
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

Tgt Ion:	164	Resp:	150405
Ion	Ratio	Lower	Upper
164	100		
129	99.6	70.6	131.0
131	95.7	68.0	126.4
166	123.2	86.9	161.5



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

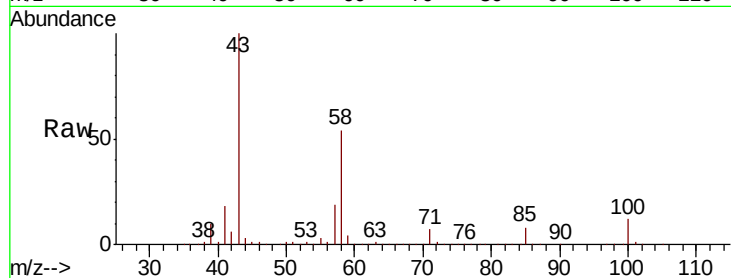




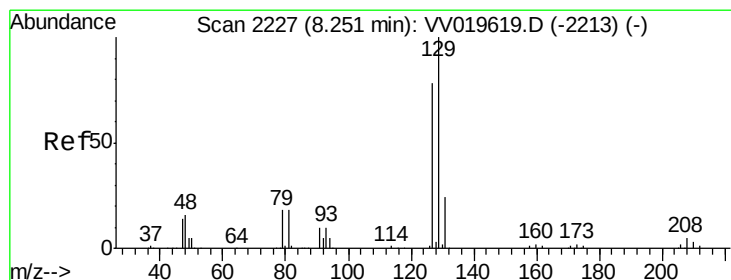
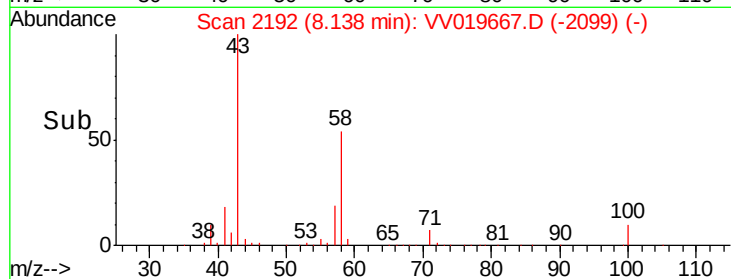
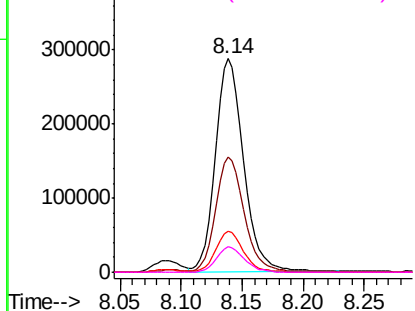
#48
2-Hexanone
Concen: 100.537 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	43	Resp:	469011
Ion	Ratio	Lower	Upper
43	100		
58	54.4	44.4	66.6
57	18.6	15.7	23.5
100	12.1	9.9	14.9

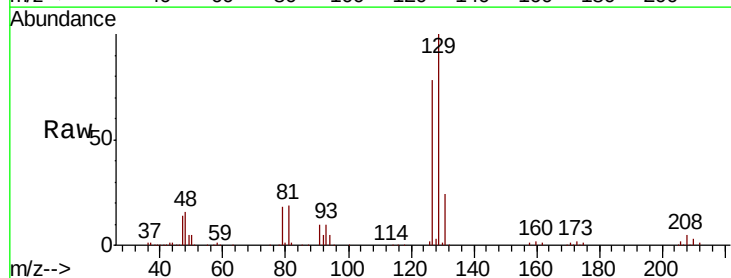


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

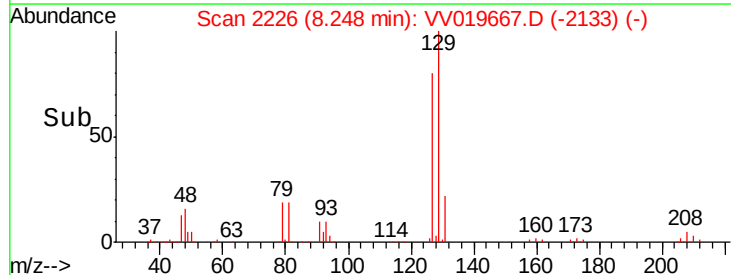
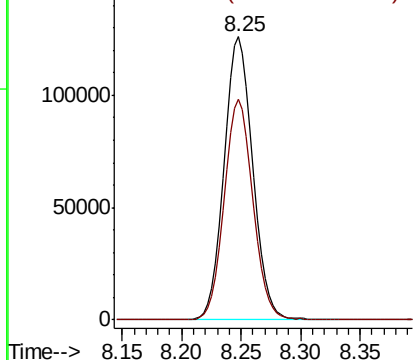


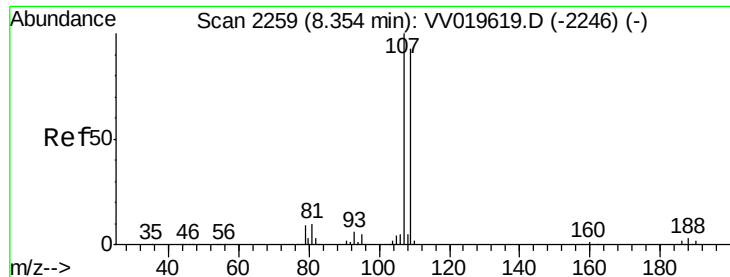
#49
Dibromochloromethane
Concen: 47.539 ug/L
RT: 8.25 min Scan# 2226
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

Tgt Ion:	129	Resp:	210682
Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.2	100.6



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

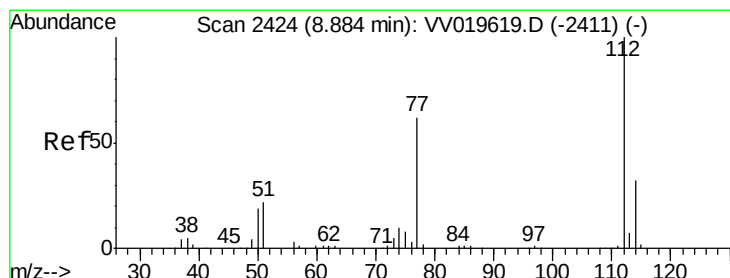
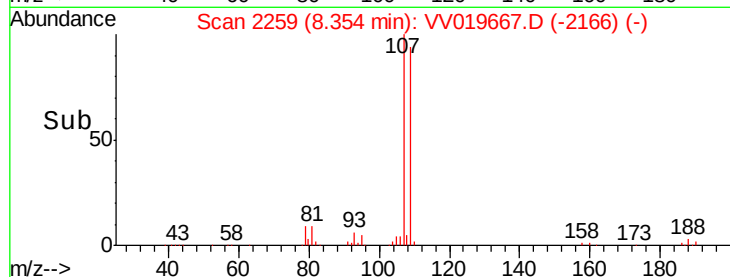
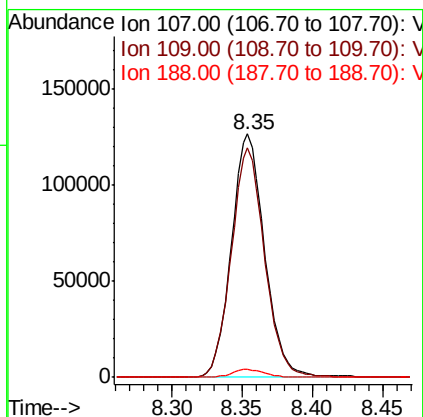
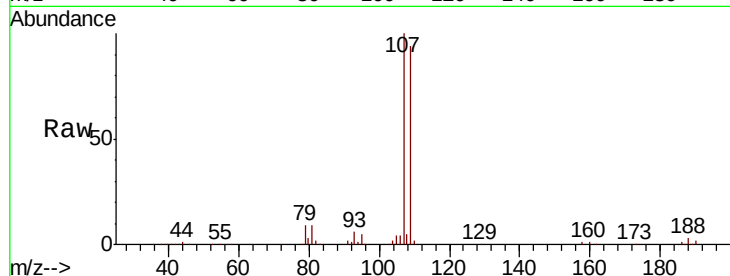




#50
1,2-Dibromoethane
Concen: 48.996 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

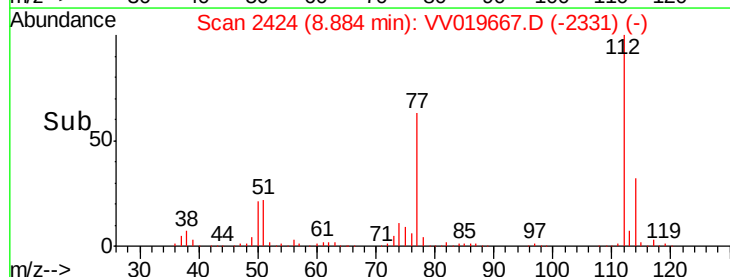
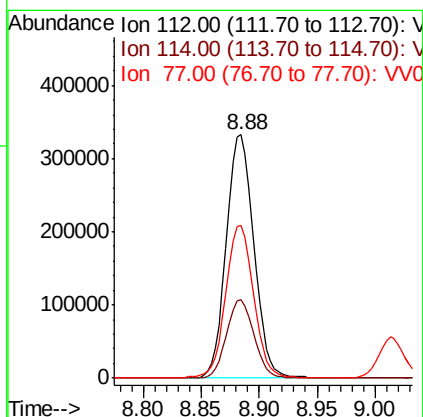
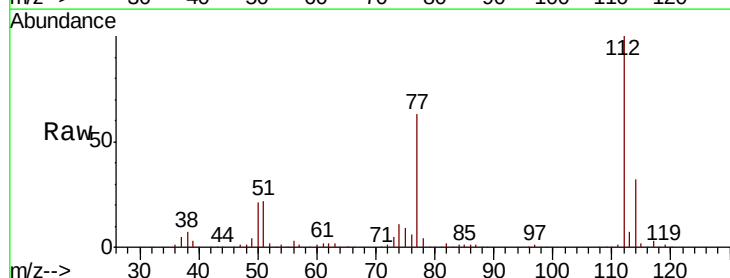
Instrument :
MSVOA_V
ClientSampleId :

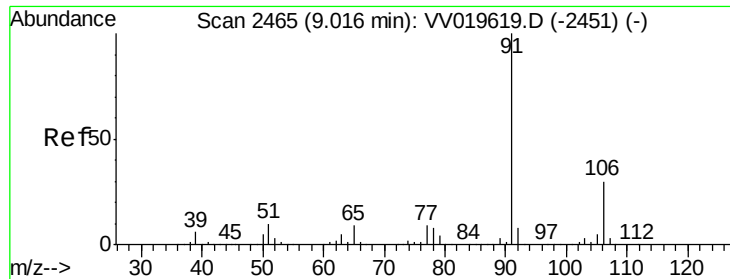
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	66.4	123.2
188	3.3	2.9	4.3



#51
Chlorobenzene
Concen: 49.852 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. 0.00 min
Lab File: VV019667.D
Acq: 16 Dec 2020 10:50

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.2	41.2
77	62.7	50.6	75.8





#52

Ethylbenzene

Concen: 50.041 ug/L

RT: 9.01 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

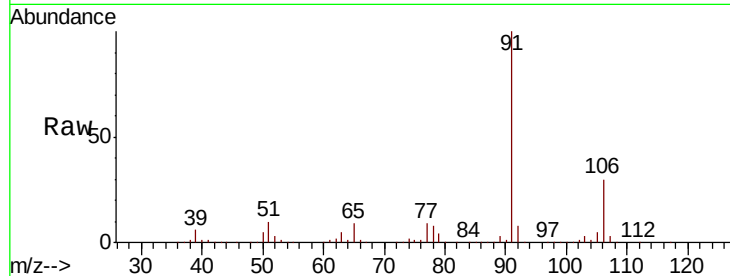
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 980570

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV019619.D (-2451) (-)

Ion 106.00 (105.70 to 106.70): VV019667.D (-2371) (-)

9.01

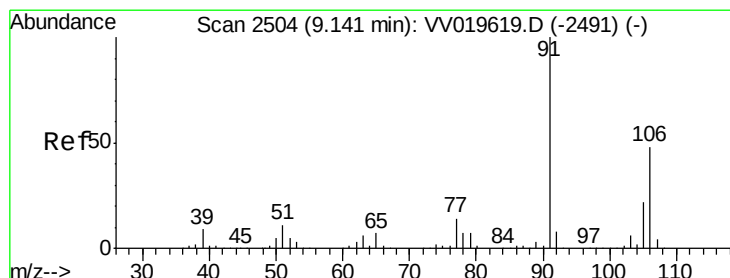
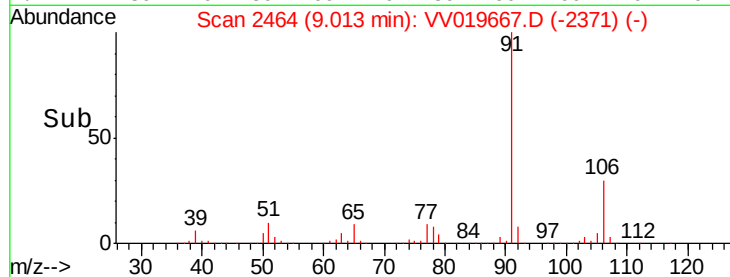
600000

400000

200000

0

Time--> 8.90 9.00 9.10



#53

m,p-Xylene

Concen: 49.864 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019667.D

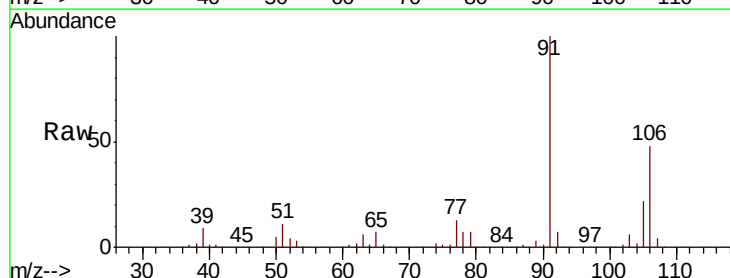
Acq: 16 Dec 2020 10:50

Tgt Ion: 106 Resp: 365040

Ion Ratio Lower Upper

106 100

91 209.7 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): VV019619.D (-2491) (-)

Ion 91.00 (90.70 to 91.70): VV019667.D (-2411) (-)

9.14

500000

400000

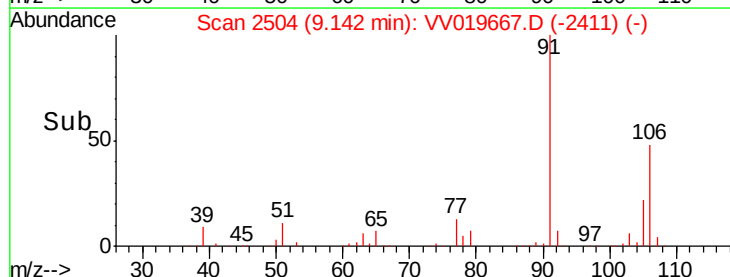
300000

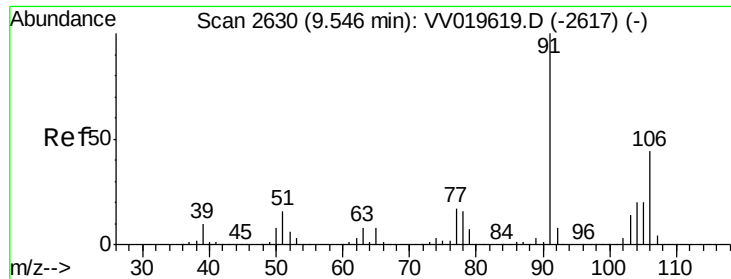
200000

100000

0

Time--> 9.05 9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 50.031 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

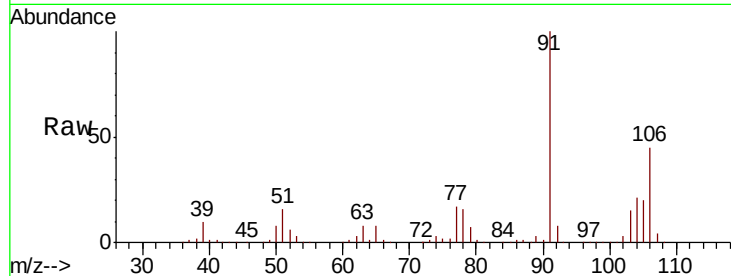
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 358998

Ion Ratio Lower Upper

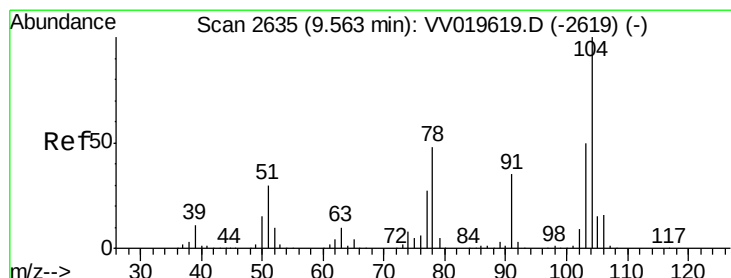
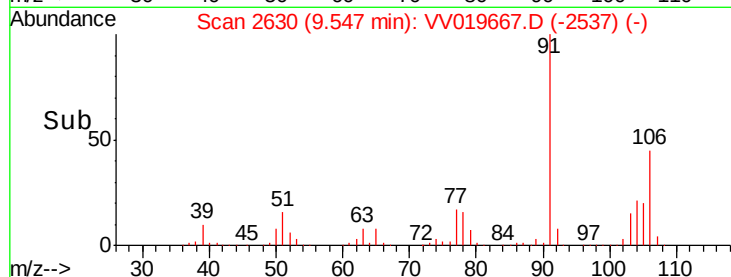
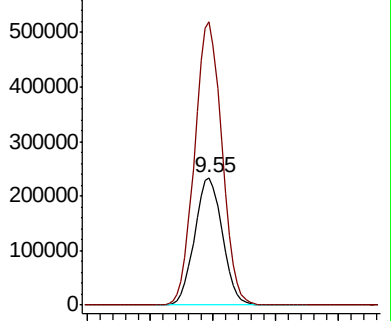
106 100

91 222.1 156.7 291.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.625 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019667.D

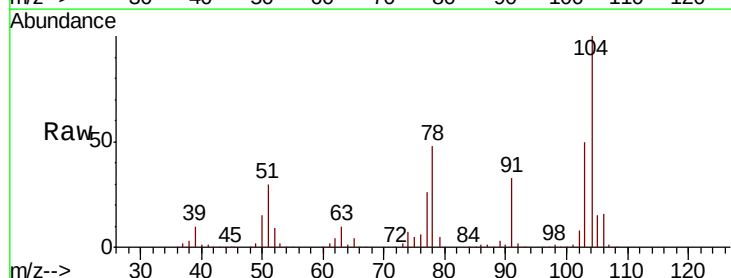
Acq: 16 Dec 2020 10:50

Tgt Ion:104 Resp: 620622

Ion Ratio Lower Upper

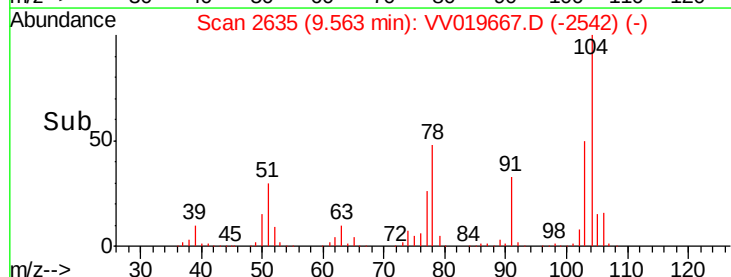
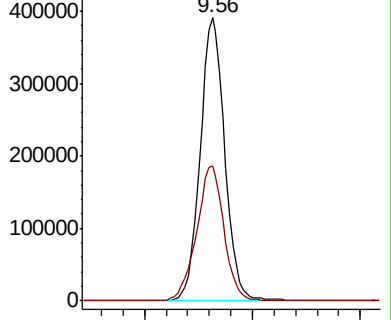
104 100

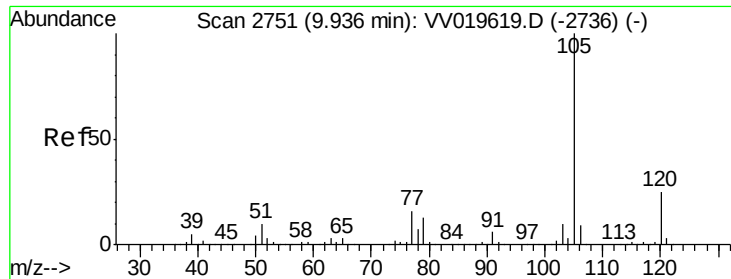
78 47.6 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.724 ug/L

RT: 9.94 min Scan# 2751

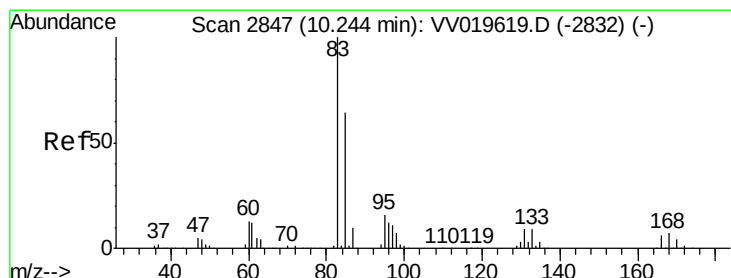
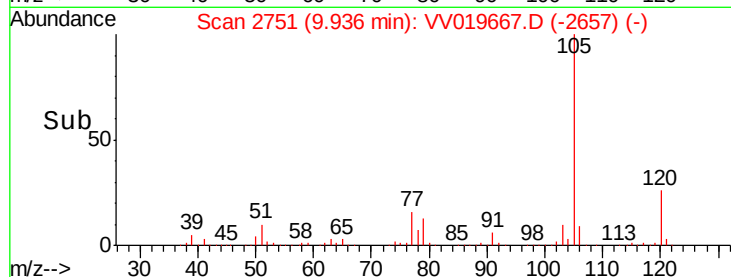
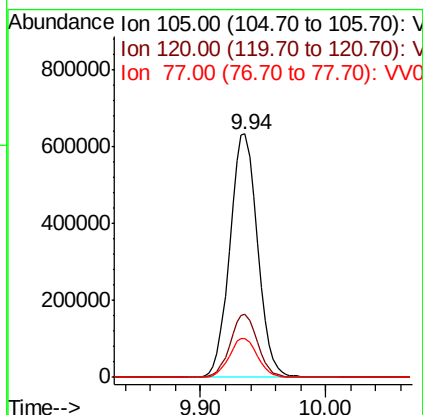
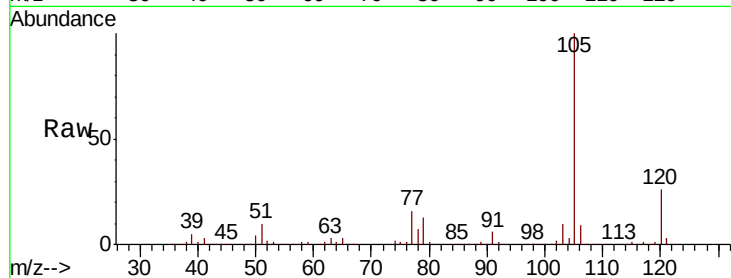
Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	969651
Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.6	31.0
77	16.3	13.2	19.8



#58

1,1,2,2-Tetrachloroethane

Concen: 48.866 ug/L

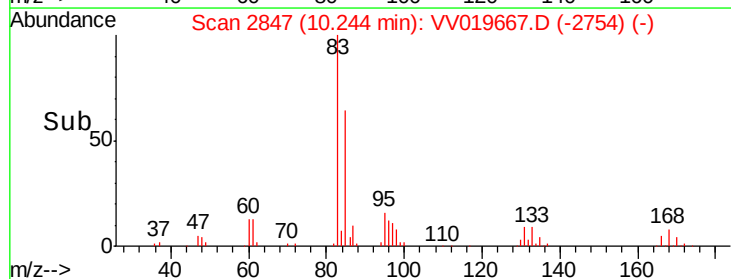
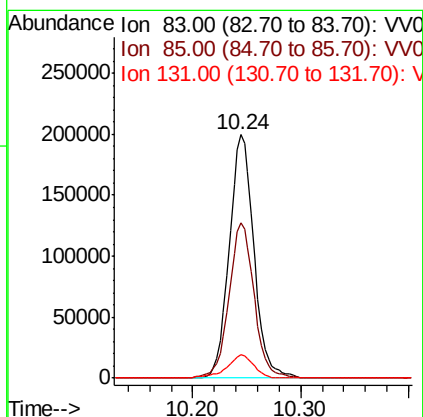
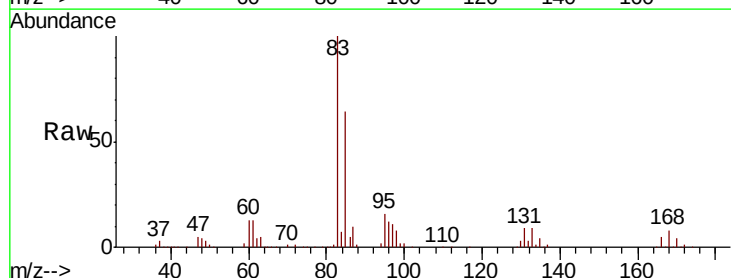
RT: 10.24 min Scan# 2847

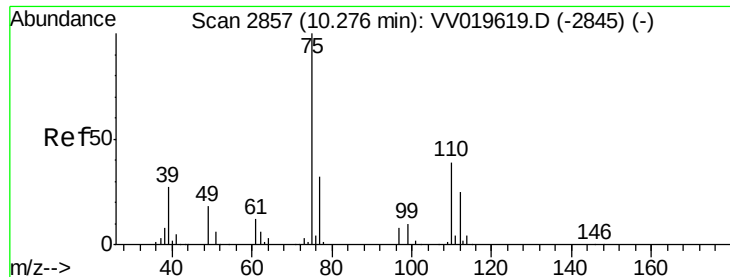
Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

Tgt Ion:	83	Resp:	318015
Ion	Ratio	Lower	Upper
83	100		
85	63.9	44.9	83.5
131	9.4	7.6	11.4





#59

1,2,3-Trichloropropane

Concen: 49.423 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

Instrument :

MSVOA_V

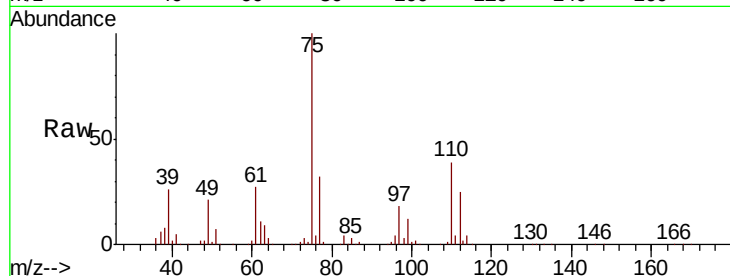
ClientSampleId :

Tot Ion: 75 Resp: 261974

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019619.D (-2845) (-)

Ion 77.00 (76.70 to 77.70): VV019619.D (-2845) (-)

10.28

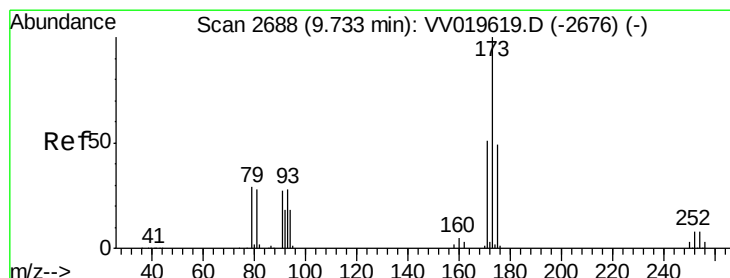
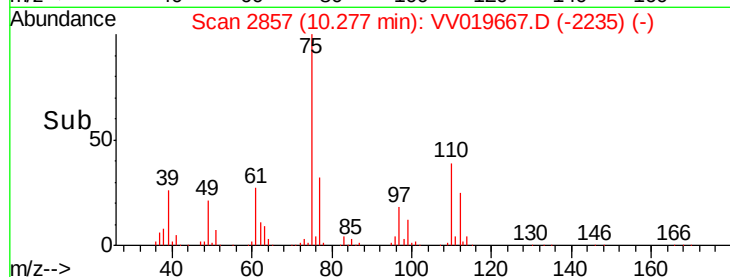
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 43.080 ug/L

RT: 9.73 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

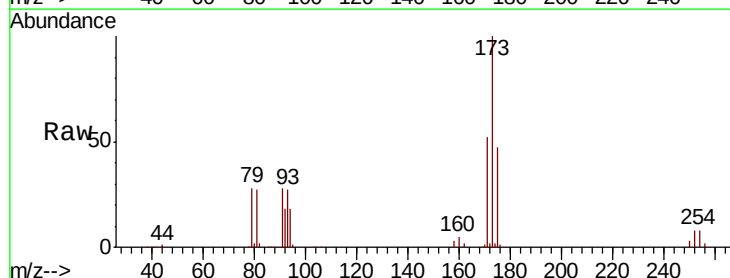
Tgt Ion: 173 Resp: 136740

Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

254 8.2 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): VV019619.D (-2676) (-)

Ion 175.00 (174.70 to 175.70): VV019619.D (-2676) (-)

Ion 254.00 (253.70 to 254.70): VV019619.D (-2676) (-)

9.73

100000

80000

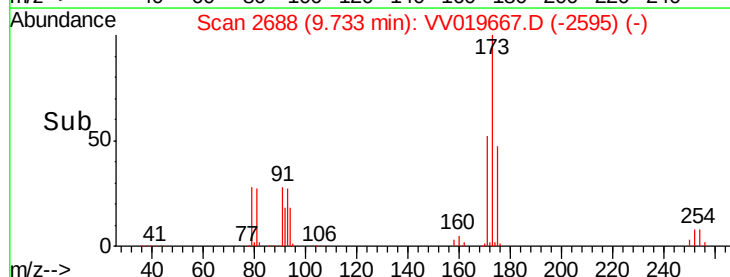
60000

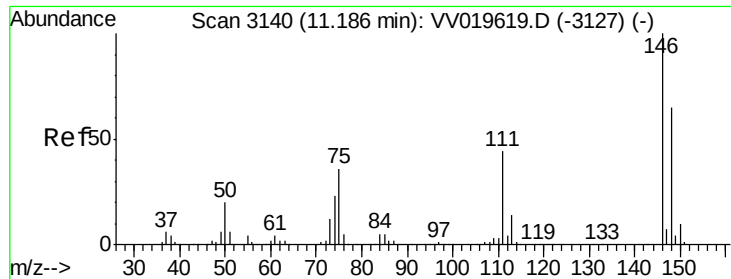
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 47.935 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

Instrument :

MSVOA_V

ClientSampleId :

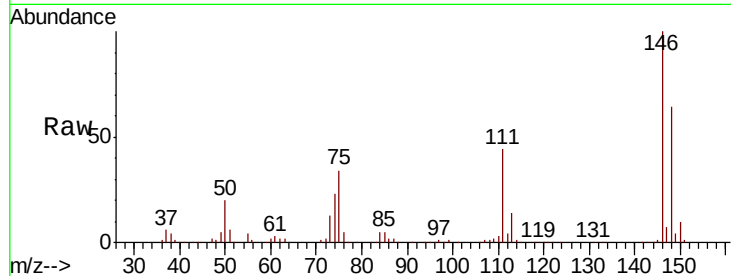
Tot Ion:146 Resp: 421881

Ion Ratio Lower Upper

146 100

111 43.6 30.7 57.1

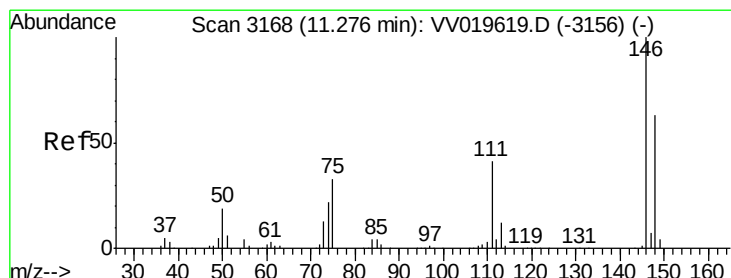
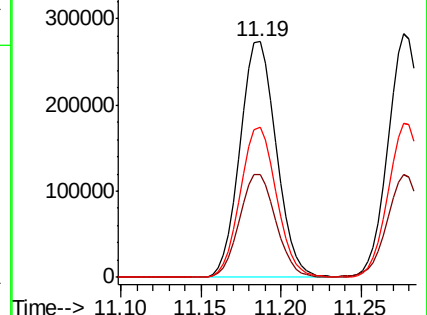
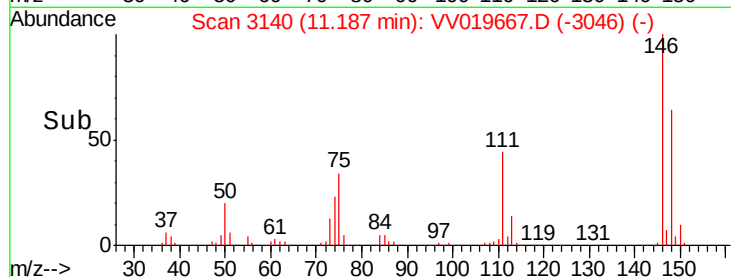
148 63.6 45.3 84.1



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



#63

1,4-Dichlorobenzene

Concen: 48.254 ug/L

RT: 11.28 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

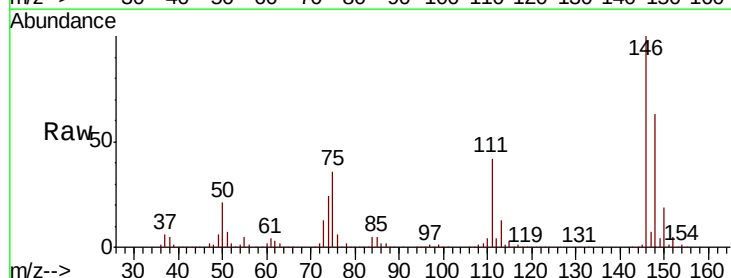
Tgt Ion:146 Resp: 430056

Ion Ratio Lower Upper

146 100

111 42.1 29.8 55.4

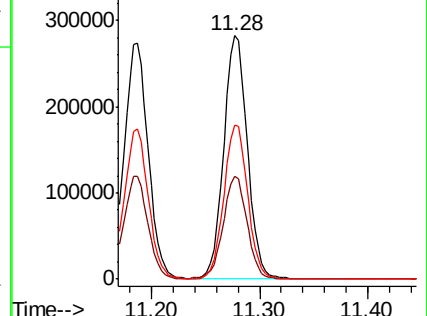
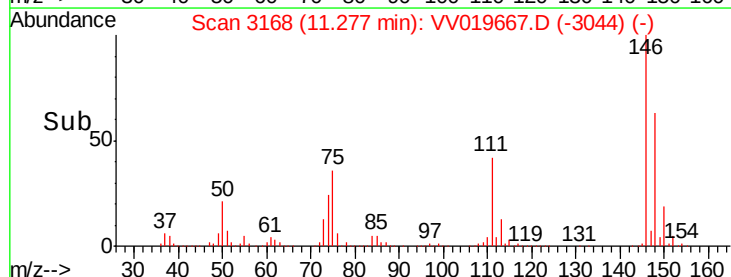
148 63.1 44.2 82.0

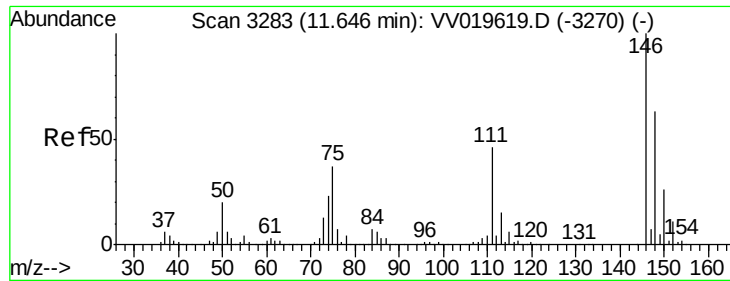


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

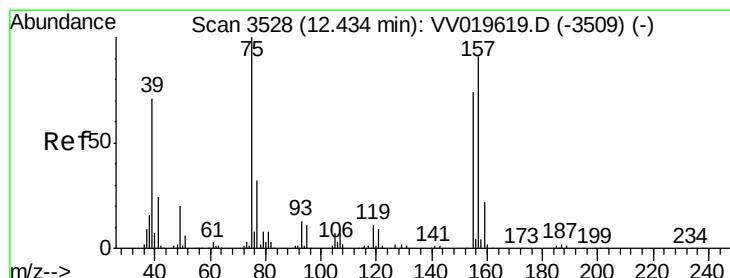
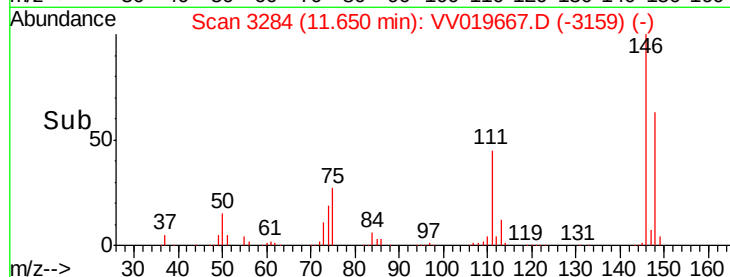
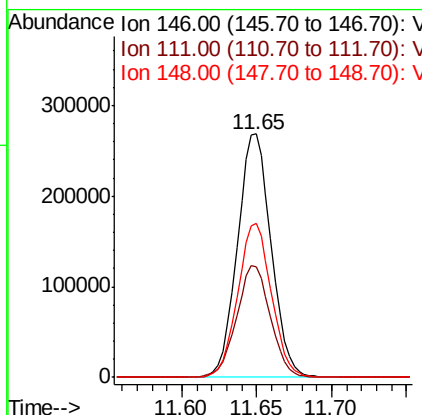
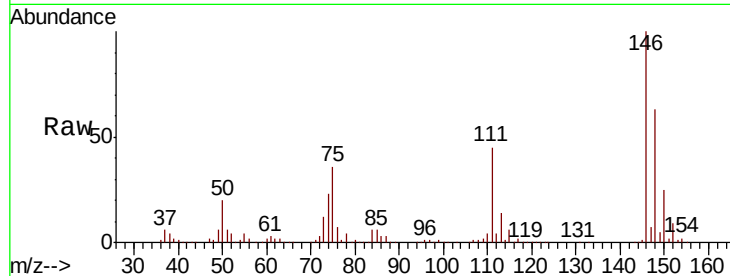




#65
 1,2-Dichlorobenzene
 Concen: 48.343 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VV019667.D
 Acq: 16 Dec 2020 10:50

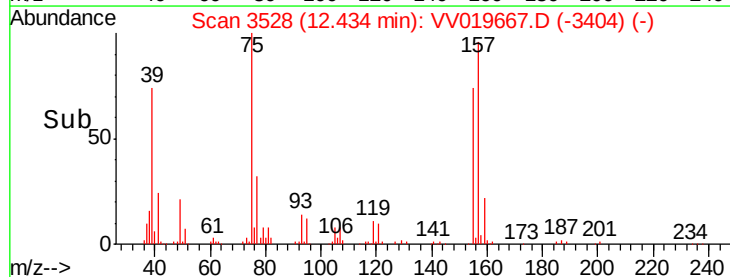
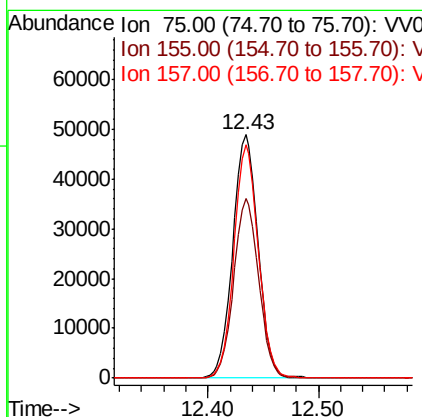
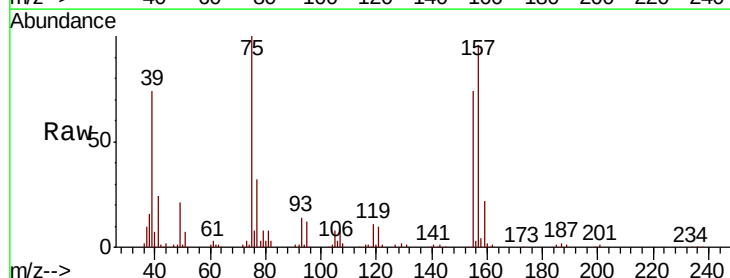
Instrument :
 MSVOA_V
 ClientSampleId :

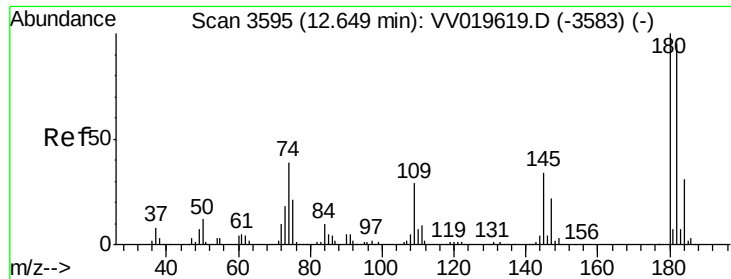
Tot Ion:146 Resp: 420429
 Ion Ratio Lower Upper
 146 100
 111 45.3 36.6 55.0
 148 63.2 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 42.925 ug/L
 RT: 12.43 min Scan# 3528
 Delta R.T. 0.00 min
 Lab File: VV019667.D
 Acq: 16 Dec 2020 10:50

Tgt Ion: 75 Resp: 77925
 Ion Ratio Lower Upper
 75 100
 155 73.8 61.1 91.7
 157 95.6 78.7 118.1

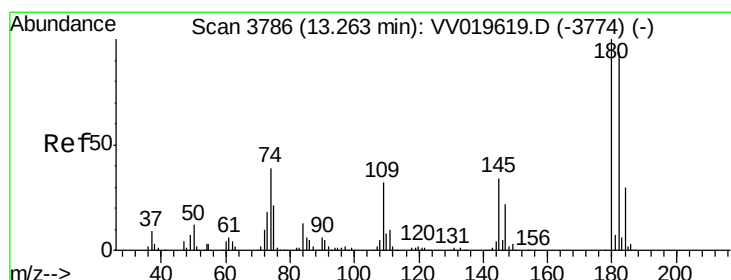
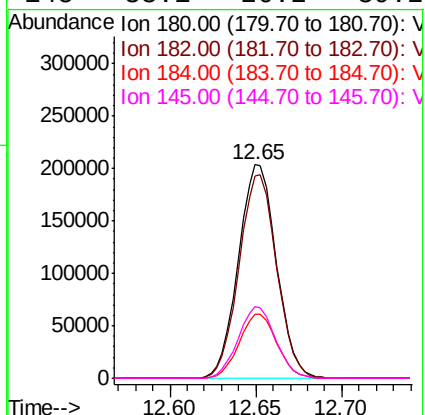
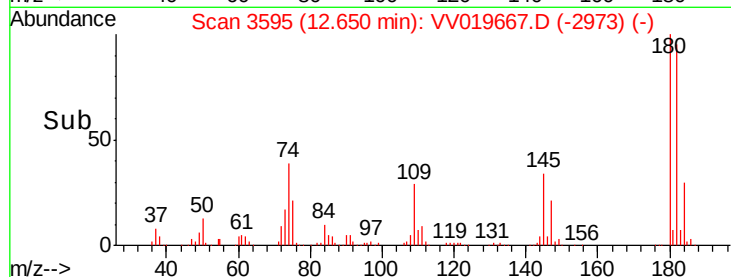
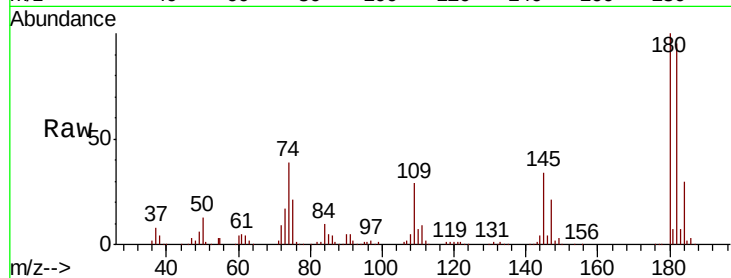




#67
 1,3,5-Trichlorobenzene
 Concen: 50.224 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VV019667.D
 Acq: 16 Dec 2020 10:50

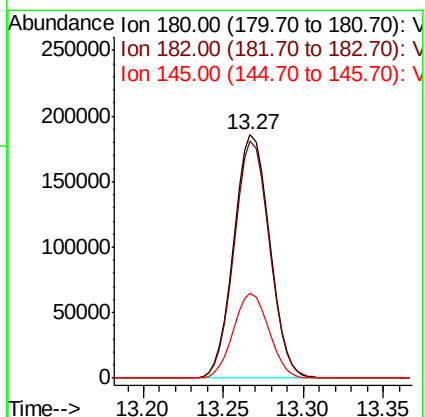
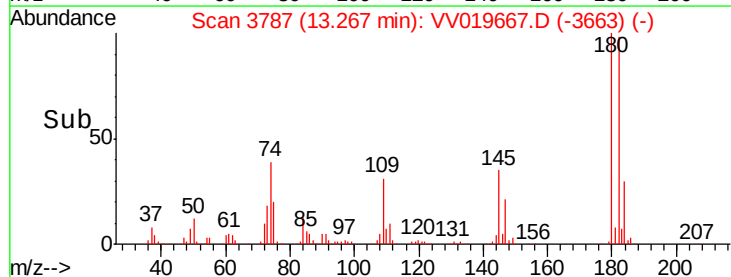
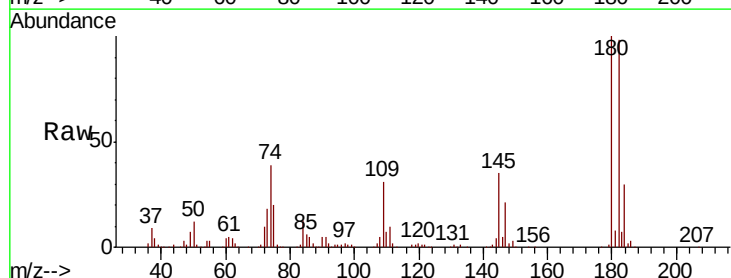
Instrument :
 MSVOA_V
 ClientSampleId :

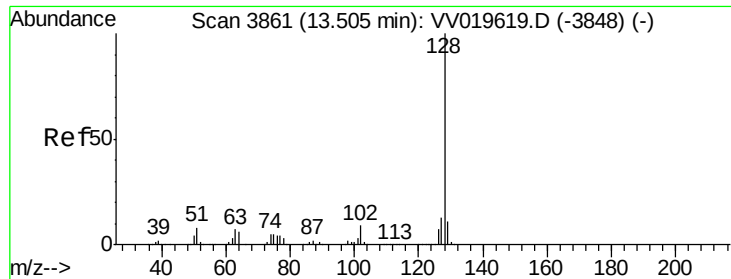
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.8	113.6
184	29.7	23.9	35.9
145	33.1	26.2	39.2



#68
 1,2,4-trichlorobenzene
 Concen: 48.801 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. 0.00 min
 Lab File: VV019667.D
 Acq: 16 Dec 2020 10:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.5	114.7
145	34.5	27.0	40.6





#69

Naphthalene

Concen: 46.428 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

Instrument :

MSVOA_V

ClientSampleId :

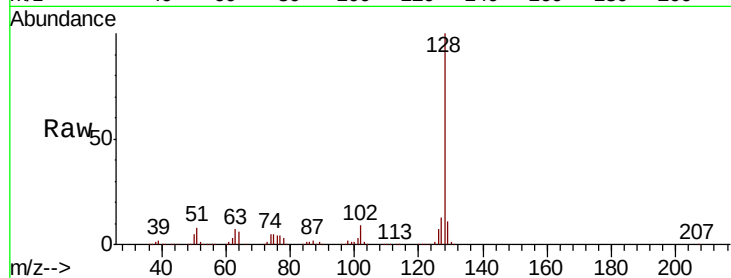
Tot Ion:128 Resp: 937315

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

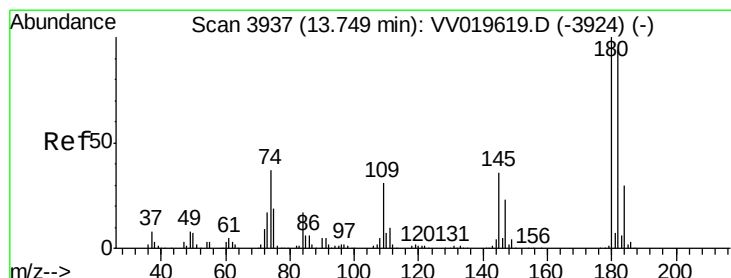
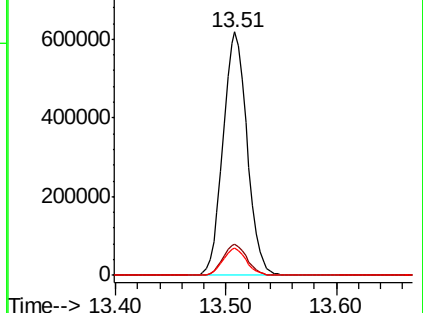
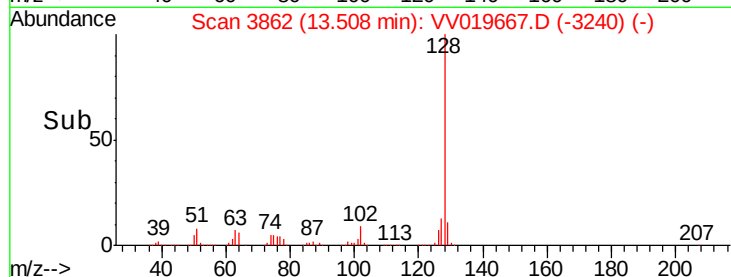
129 10.9 8.6 12.8



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: 48.549 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.00 min

Lab File: VV019667.D

Acq: 16 Dec 2020 10:50

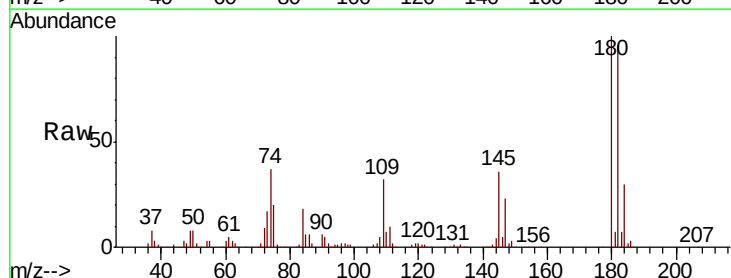
Tgt Ion:180 Resp: 275846

Ion Ratio Lower Upper

180 100

182 96.3 75.8 113.6

145 36.2 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

