

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122120\
 Data File : VV019786.D
 Acq On : 21 Dec 2020 19:30
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 22 00:27:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 22 00:24:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	703567	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	667430	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	320989	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	196981	39.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.08%
7) Chloroethane-d5	1.57	69	171639	43.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.26%
11) 1,1-Dichloroethene-d2	2.11	63	399267	42.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.28%
21) 2-Butanone-d5	3.90	46	385817	140.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	140.70%#
24) Chloroform-d	4.35	84	434682	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.62%
26) 1,2-Dichloroethane-d4	5.04	65	292562	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
32) Benzene-d6	5.05	84	810767	45.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.10%
36) 1,2-Dichloropropane-d6	6.07	67	266905	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.74%
41) Toluene-d8	7.32	98	711052	44.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.74%
43) trans-1,3-Dichloropropene-	7.62	79	132249	41.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.40%
47) 2-Hexanone-d5	8.09	63	254786	116.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.42%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	378212	50.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.30%
64) 1,2-Dichlorobenzene-d4	11.63	152	275406	45.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	231836	40.831	ug/L	100
3) Chloromethane	1.24	50	278683	46.176	ug/L	98
5) Vinyl chloride	1.31	62	271775	44.894	ug/L	99
6) Bromomethane	1.52	94	163038	44.846	ug/L	100
8) Chloroethane	1.59	64	172377	47.208	ug/L	99
9) Trichlorofluoromethane	1.76	101	326170	44.100	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	183888	45.020	ug/L	98
12) 1,1-Dichloroethene	2.12	96	187456	44.724	ug/L #	72
13) Acetone	2.19	43	269784	115.484	ug/L	98
14) Carbon disulfide	2.30	76	536446	38.951	ug/L	100
15) Methyl Acetate	2.44	43	286244	56.240	ug/L	98
16) Methylene chloride	2.51	84	240781	48.996	ug/L	97
17) trans-1,2-Dichloroethene	2.76	96	208162	45.311	ug/L	96
18) Methyl tert-butyl Ether	2.77	73	756535	47.127	ug/L	99
19) 1,1-Dichloroethane	3.19	63	437549	49.126	ug/L	99
20) cis-1,2-Dichloroethene	3.92	96	236706	46.870	ug/L #	96
22) 2-Butanone	3.98	43	402397	117.428	ug/L	99

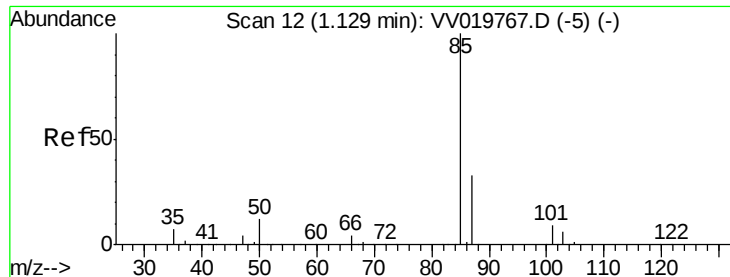
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122120\
 Data File : VV019786.D
 Acq On : 21 Dec 2020 19:30
 Operator : SY/MD
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 22 00:24:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	117409	47.249	ug/L	95
25) Chloroform	4.38	83	433264	48.707	ug/L	99
27) 1,2-Dichloroethane	5.14	62	358135	48.598	ug/L	99
29) Cyclohexane	4.68	56	344148	42.071	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	369587	44.163	ug/L	99
31) Carbon tetrachloride	4.83	117	294280	41.655	ug/L	99
33) Benzene	5.10	78	916586	46.990	ug/L	100
34) Trichloroethene	5.92	95	231917	45.008	ug/L	98
35) Methylcyclohexane	6.14	83	336962	43.046	ug/L	99
37) 1,2-Dichloropropane	6.18	63	252248	49.519	ug/L	99
38) Bromodichloromethane	6.51	83	324112	45.501	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	379757	44.886	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	794406	108.094	ug/L	98
42) Toluene	7.39	91	935640	45.511	ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	374775	43.748	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	230532	47.656	ug/L	98
46) Tetrachloroethene	7.98	164	150022	42.076	ug/L	96
48) 2-Hexanone	8.14	43	603086	108.149	ug/L	99
49) Dibromochloromethane	8.25	129	234241	44.216	ug/L	99
50) 1,2-Dibromoethane	8.36	107	236723	46.471	ug/L	97
51) Chlorobenzene	8.89	112	599060	45.623	ug/L	99
52) Ethylbenzene	9.02	91	1049082	44.788	ug/L	100
53) m,p-Xylene	9.14	106	385523	44.055	ug/L	99
54) o-xylene	9.55	106	384162	44.788	ug/L	100
55) Styrene	9.57	104	674908	45.146	ug/L	100
56) Isopropylbenzene	9.94	105	1012831	44.324	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	382550	49.176	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	325941	51.442	ug/L	99
61) Bromoform	9.74	173	152422	42.915	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	446850	45.373	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	453020	45.427	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	456543	46.914	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.44	75	96181	47.349	ug/L	92
67) 1,3,5-Trichlorobenzene	12.65	180	318990	45.844	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	301548	46.350	ug/L	99
69) Naphthalene	13.51	128	1049955	46.478	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	300337	47.239	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 40.831 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

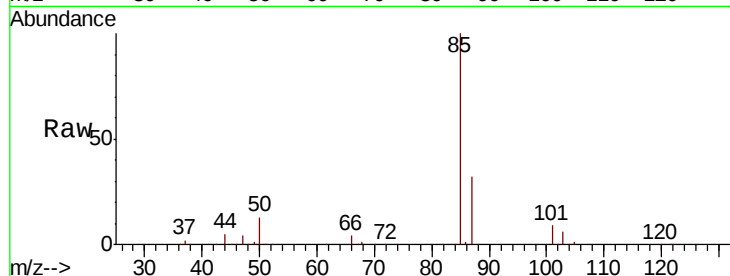
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 231836

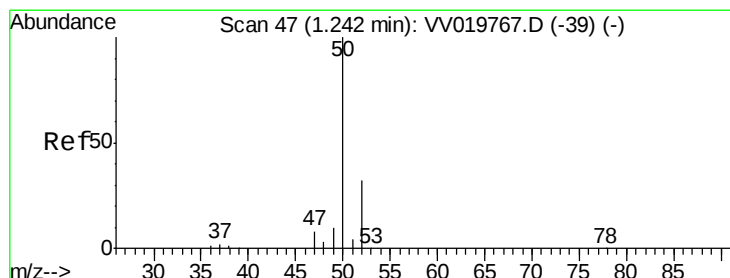
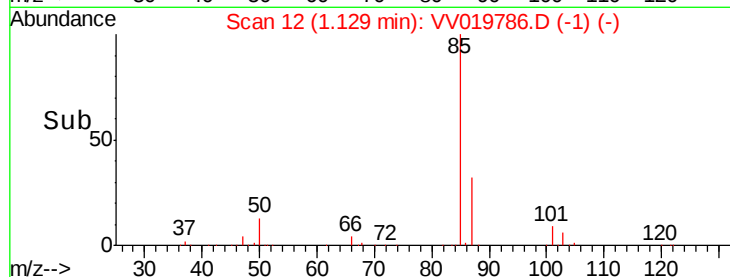
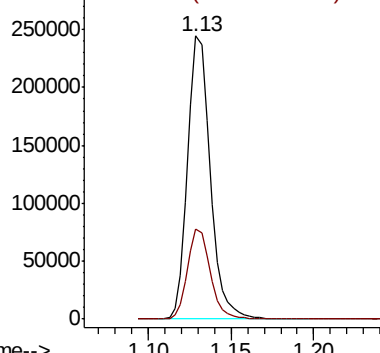
Ion Ratio Lower Upper

85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 46.176 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019786.D

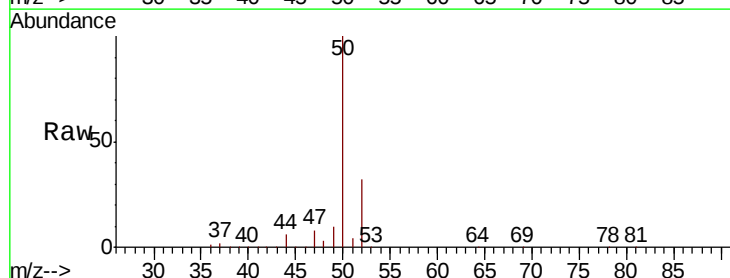
Acq: 21 Dec 2020 19:30

Tgt Ion: 50 Resp: 278683

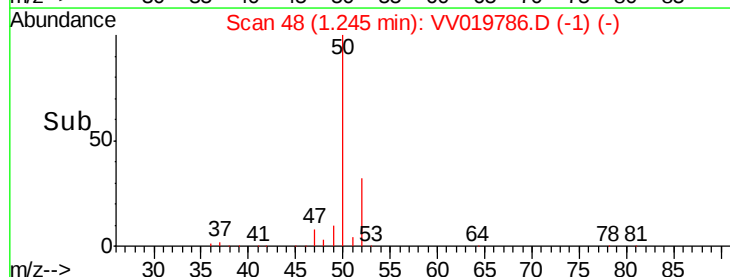
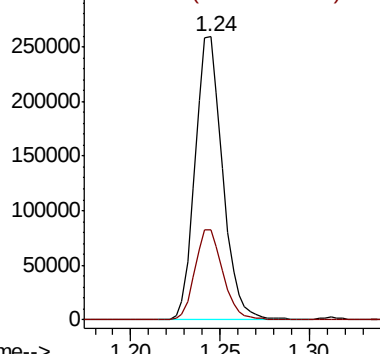
Ion Ratio Lower Upper

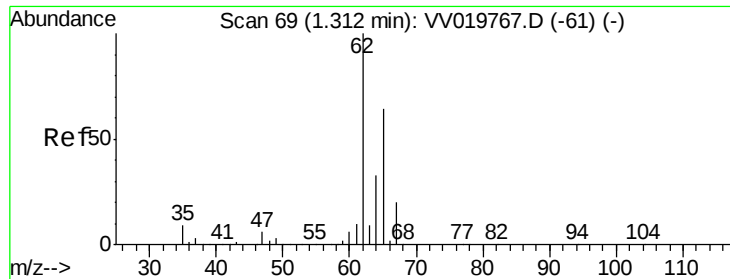
50 100

52 32.0 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 44.894 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

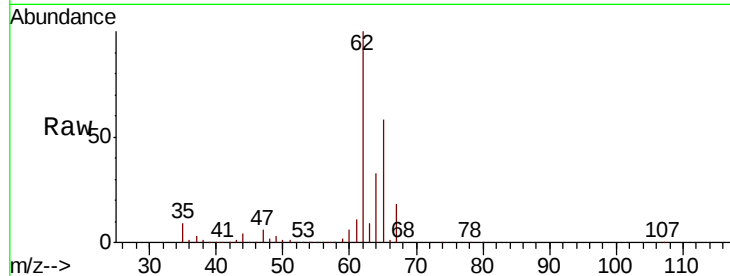
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 271775

Ion Ratio Lower Upper

62 100

64 32.5 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV019786.D (-61) (-)

Ion 64.00 (63.70 to 64.70): VV019786.D (-61) (-)

1.31

250000

200000

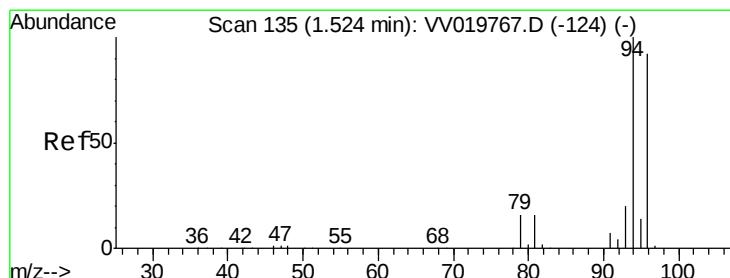
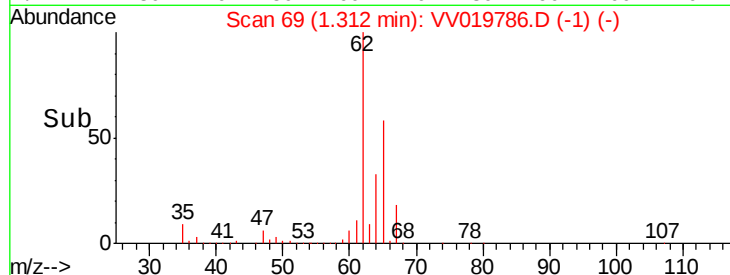
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 44.846 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019786.D

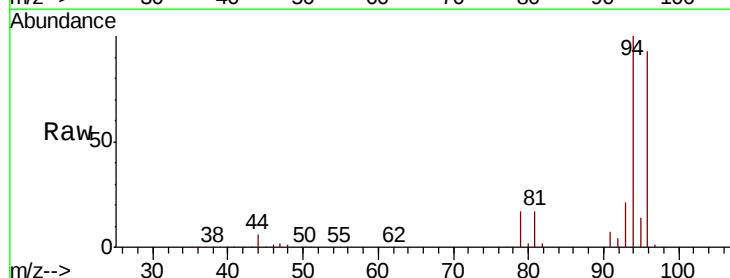
Acq: 21 Dec 2020 19:30

Tgt Ion: 94 Resp: 163038

Ion Ratio Lower Upper

94 100

96 93.3 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV019786.D (-124) (-)

Ion 96.00 (95.70 to 96.70): VV019786.D (-124) (-)

1.52

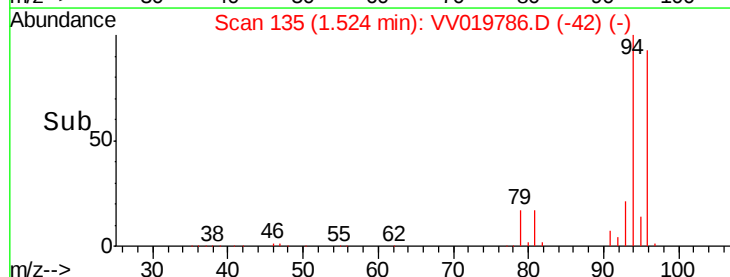
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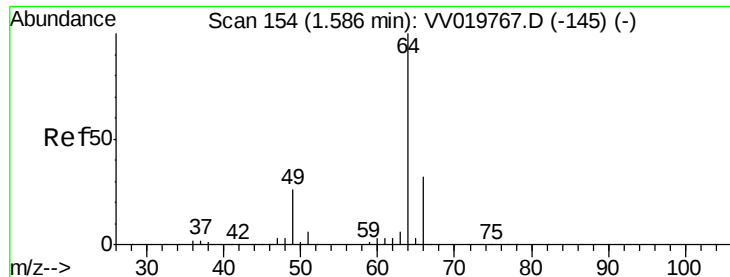
100000

50000

0

Time-->





#8

Chloroethane

Concen: 47.208 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

Instrument :

MSVOA_V

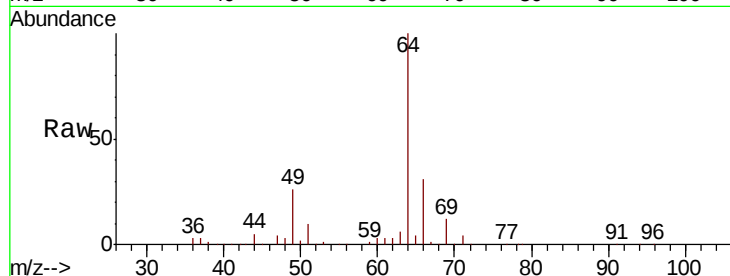
ClientSampleId :

Tot Ion: 64 Resp: 172377

Ion Ratio Lower Upper

64 100

66 31.4 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019767.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV019767.D (-145) (-)

150000

100000

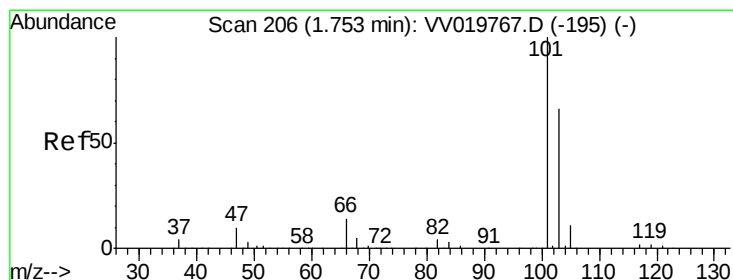
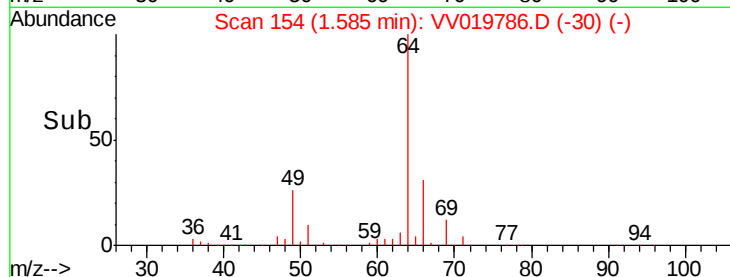
50000

0

1.59

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 44.100 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV019786.D

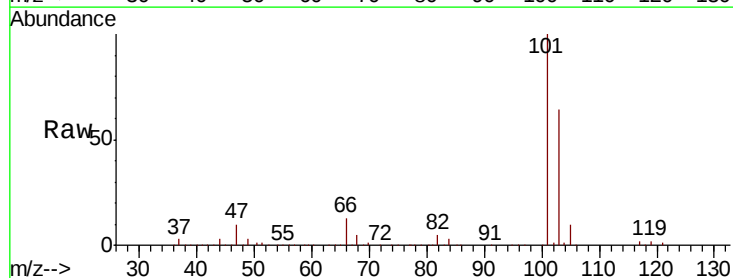
Acq: 21 Dec 2020 19:30

Tgt Ion: 101 Resp: 326170

Ion Ratio Lower Upper

101 100

103 64.3 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019767.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV019767.D (-195) (-)

300000

250000

200000

150000

100000

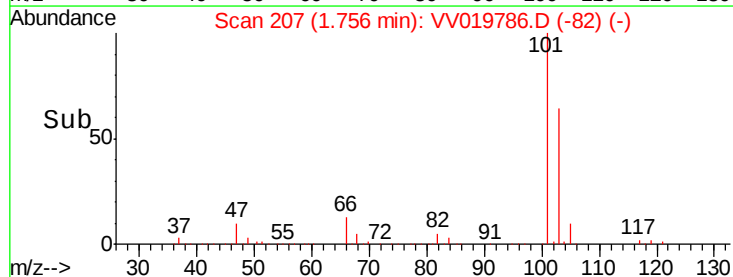
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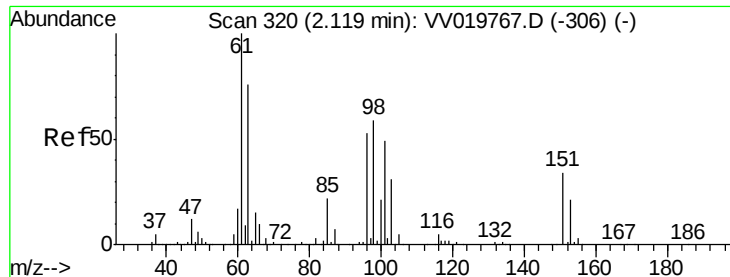
0

1.76

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 45.020 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

Instrument :

MSVOA_V

ClientSampled :

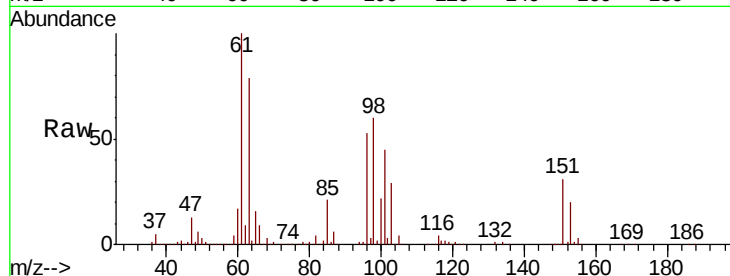
Tot Ion:101 Resp: 183888

Ion Ratio Lower Upper

101 100

85 46.1 35.0 52.4

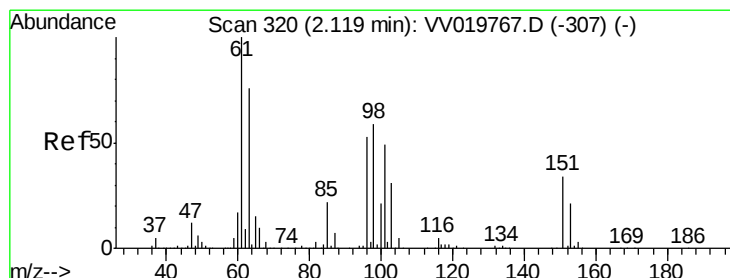
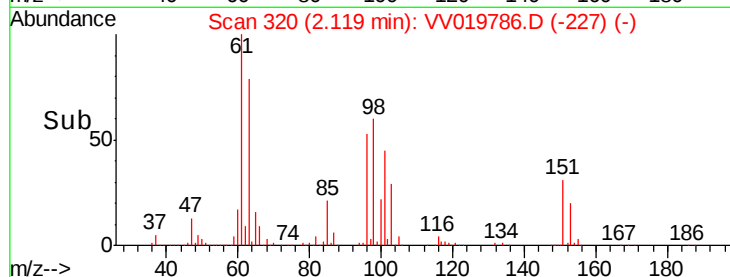
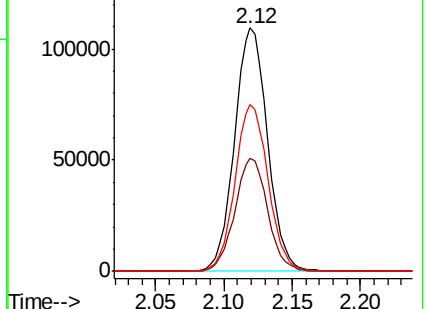
151 68.5 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019786.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019786.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019786.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 44.724 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

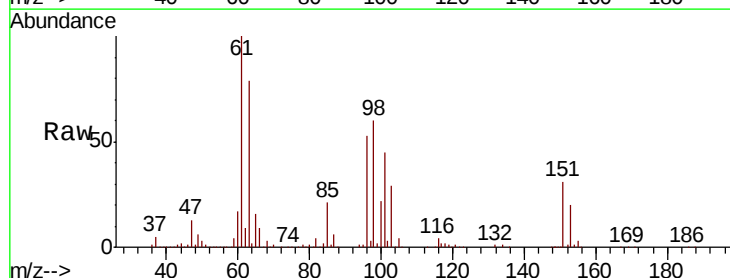
Tgt Ion: 96 Resp: 187456

Ion Ratio Lower Upper

96 100

61 188.9 120.7 224.1

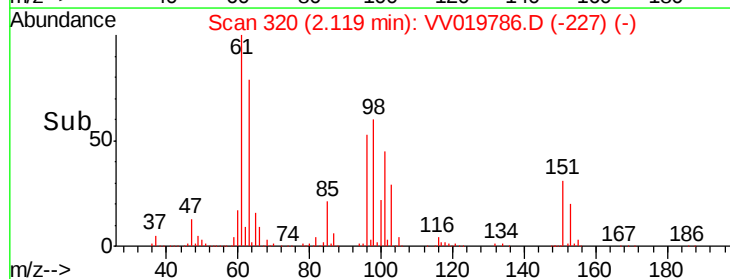
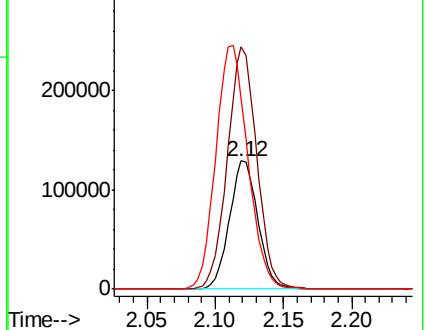
63 148.7 64.3 119.5#

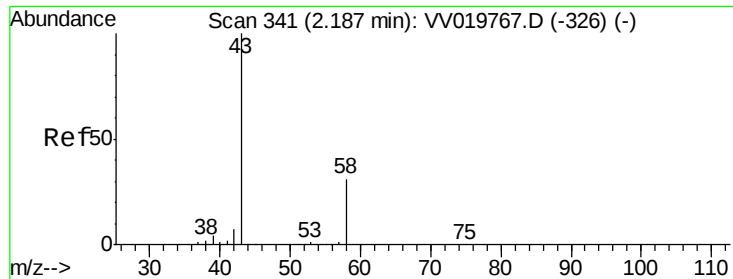


Abundance Ion 96.00 (95.70 to 96.70): VV019786.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019786.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019786.D (-227) (-)





#13

Acetone

Concen: 115.484 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

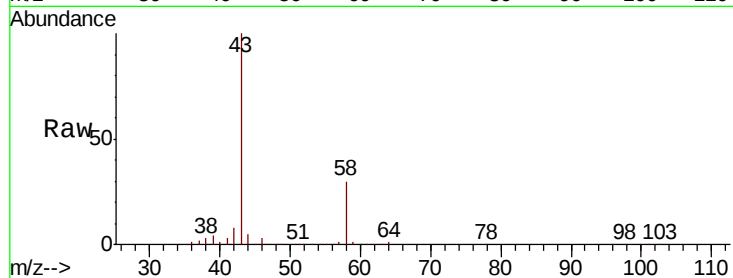
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 269784

Ion Ratio Lower Upper

43 100

58 29.9 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV019786.D (-248) (-)

Ion 58.00 (57.70 to 58.70): VV019786.D (-248) (-)

2.19

100000

80000

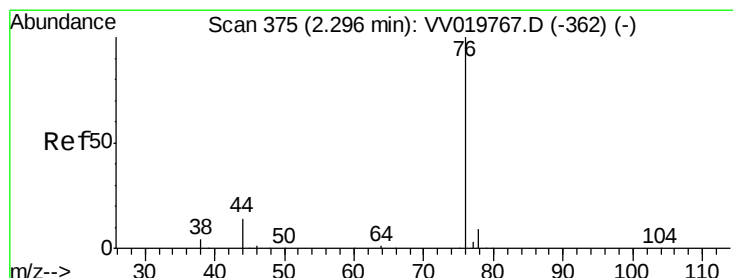
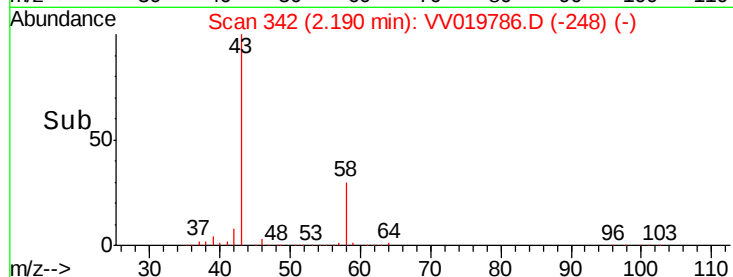
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 38.951 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.00 min

Lab File: VV019786.D

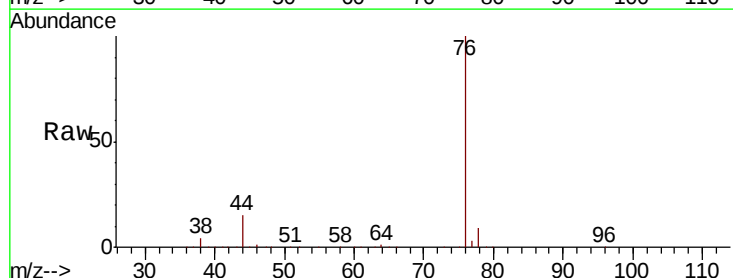
Acq: 21 Dec 2020 19:30

Tgt Ion: 76 Resp: 536446

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV019786.D (-282) (-)

Ion 78.00 (77.70 to 78.70): VV019786.D (-282) (-)

2.30

400000

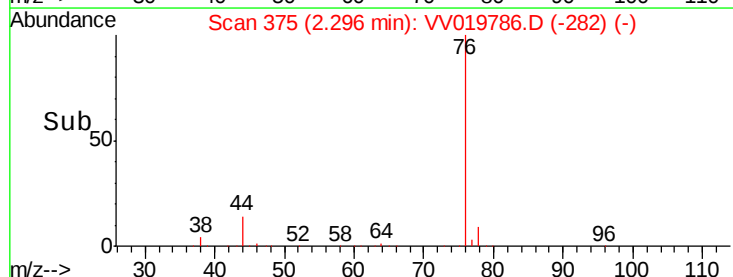
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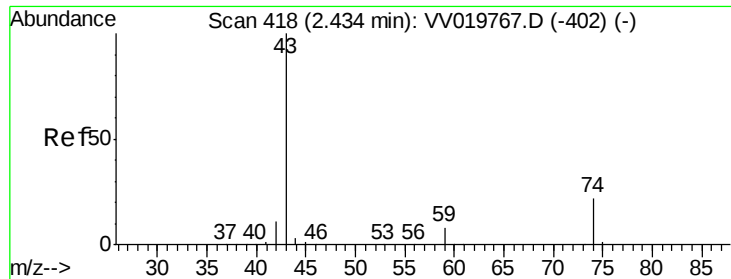
200000

100000

0

Time-->





#15

Methvl Acetate

Concen: 56.240 ug/L

RT: 2.44 min Scan# 419

Delta R.T. 0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

Instrument :

MSVOA_V

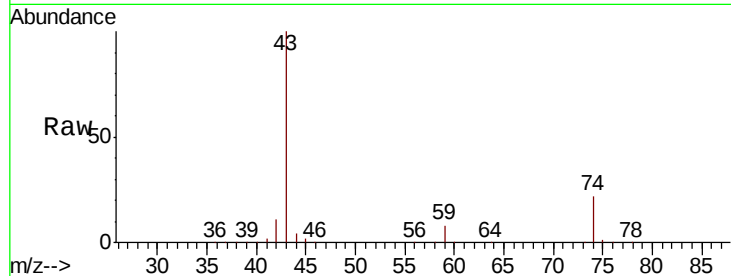
ClientSampleId :

Tot Ion: 43 Resp: 286244

Ion Ratio Lower Upper

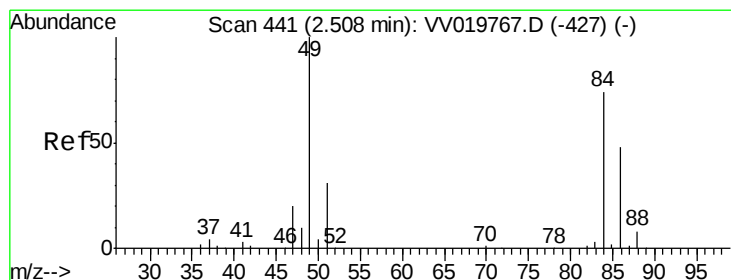
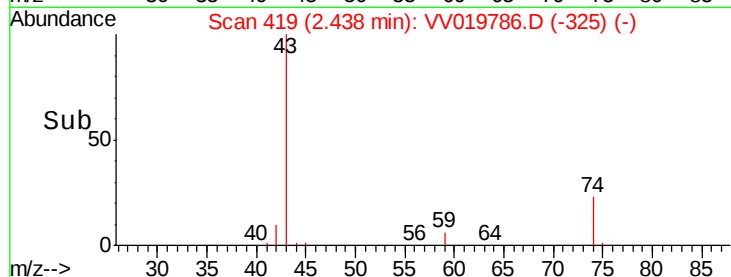
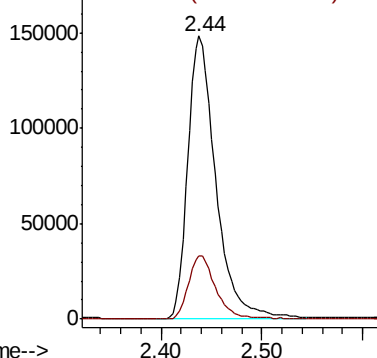
43 100

74 21.7 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: 48.996 ug/L

RT: 2.51 min Scan# 441

Delta R.T. -0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

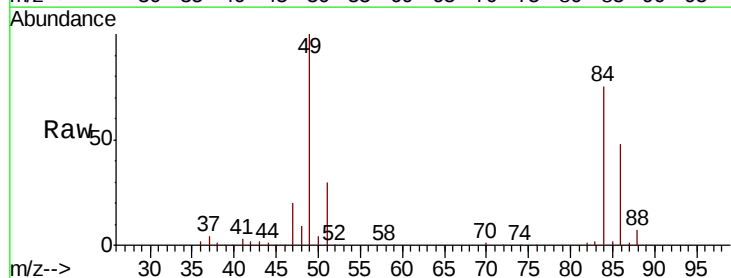
Tgt Ion: 84 Resp: 240781

Ion Ratio Lower Upper

84 100

86 63.9 45.7 84.9

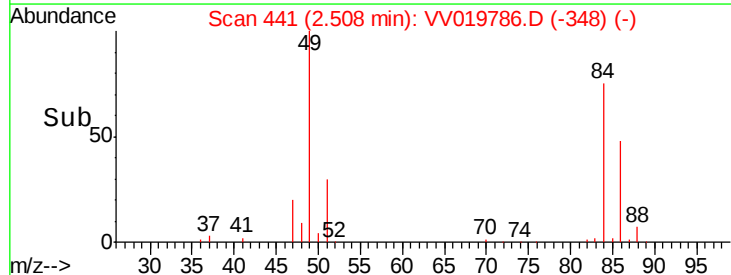
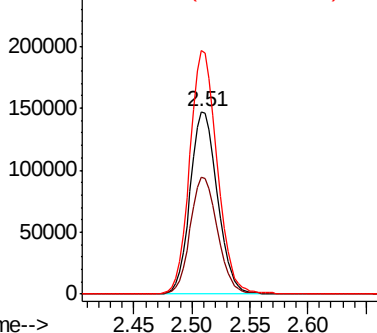
49 133.3 90.6 168.3

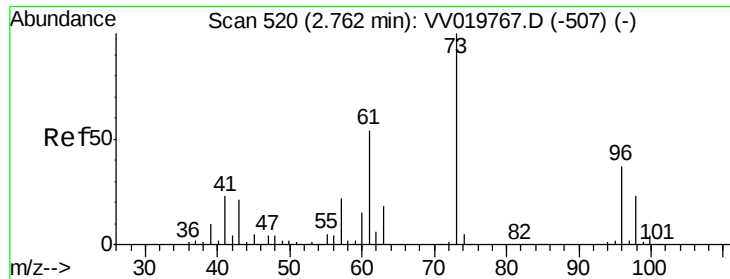


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

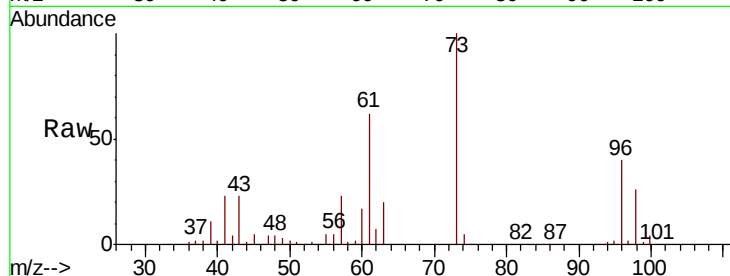




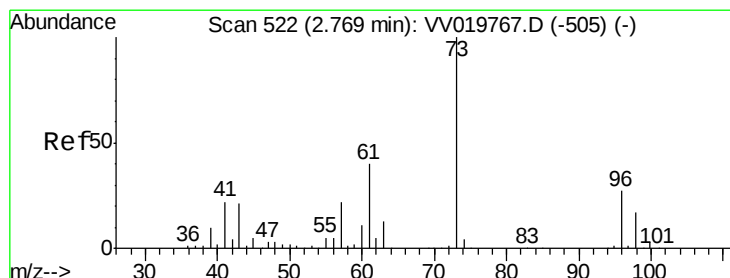
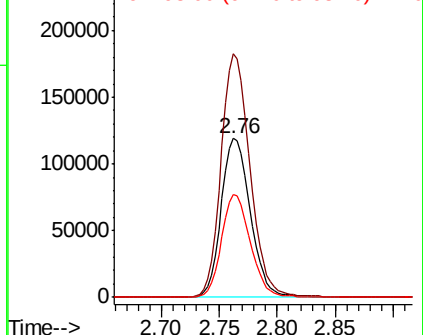
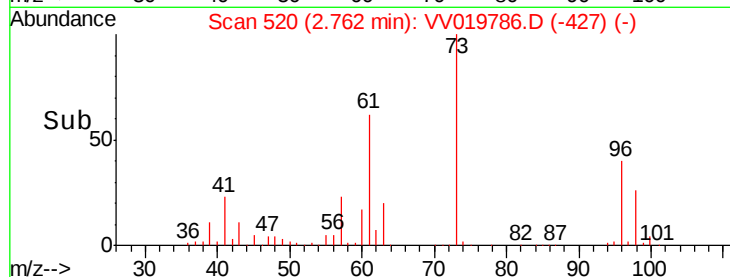
#17
trans-1,2-Dichloroethene
Concen: 45.311 ug/L
RT: 2.76 min Scan# 520
Delta R.T. -0.00 min
Lab File: VV019786.D
Acq: 21 Dec 2020 19:30

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 208162
Ion Ratio Lower Upper
96 100
61 153.5 103.5 192.1
98 64.6 44.4 82.5

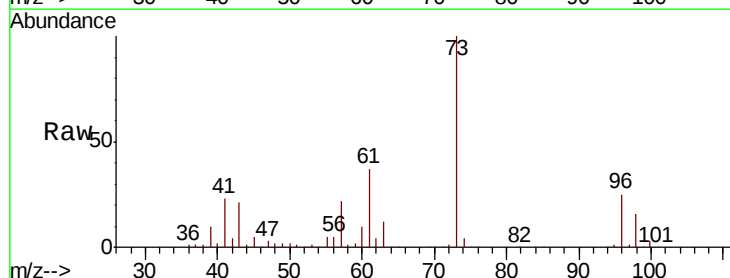


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

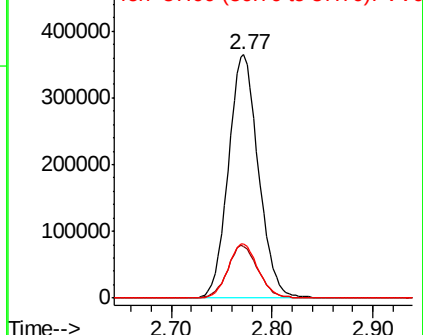
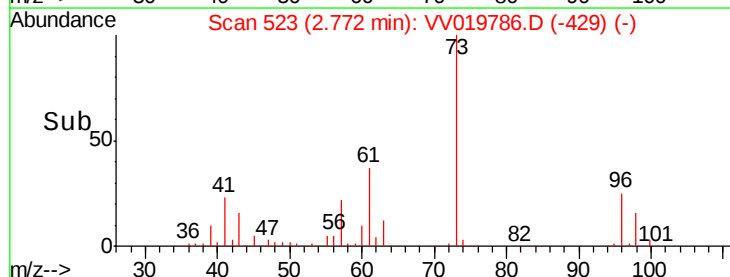


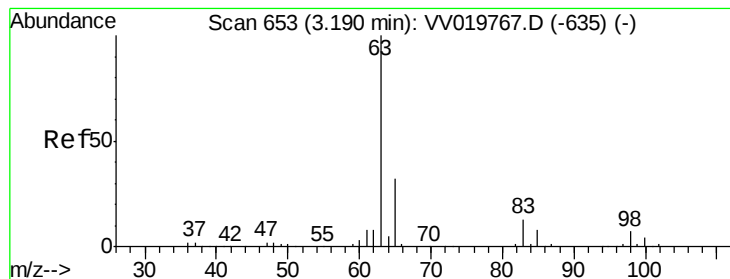
#18
Methyl tert-butyl Ether
Concen: 47.127 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.00 min
Lab File: VV019786.D
Acq: 21 Dec 2020 19:30

Tgt Ion: 73 Resp: 756535
Ion Ratio Lower Upper
73 100
43 21.6 17.3 25.9
57 22.4 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: 49.126 ug/L

RT: 3.19 min Scan# 654

Delta R.T. 0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

Instrument :
MSVOA_V
ClientSampled :

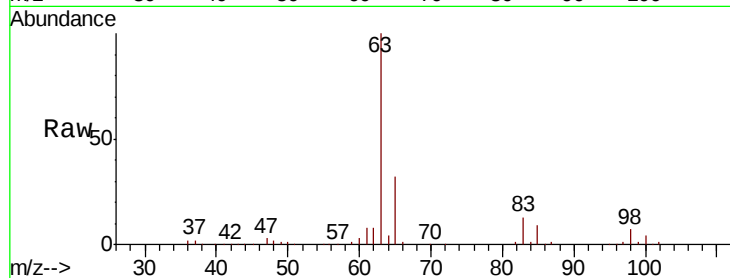
Tot Ion: 63 Resp: 437549

Ion Ratio Lower Upper

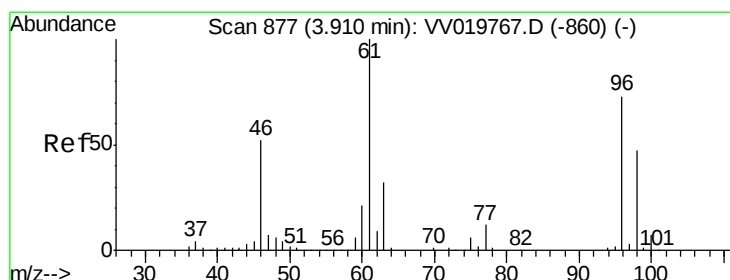
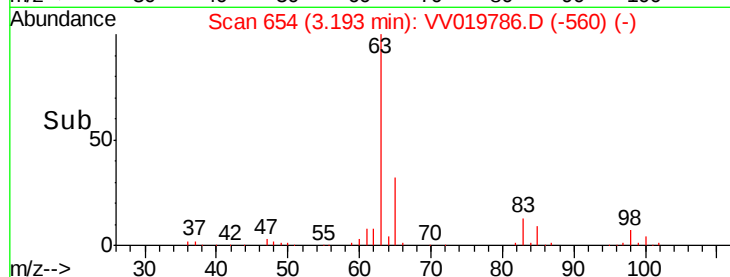
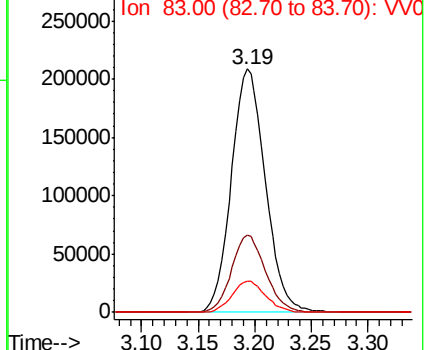
63 100

65 31.8 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: 46.870 ug/L

RT: 3.92 min Scan# 879

Delta R.T. 0.01 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

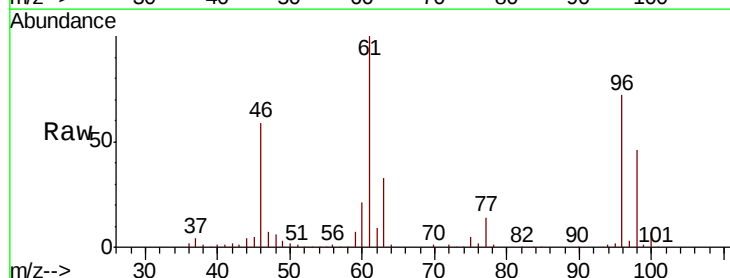
Tgt Ion: 96 Resp: 236706

Ion Ratio Lower Upper

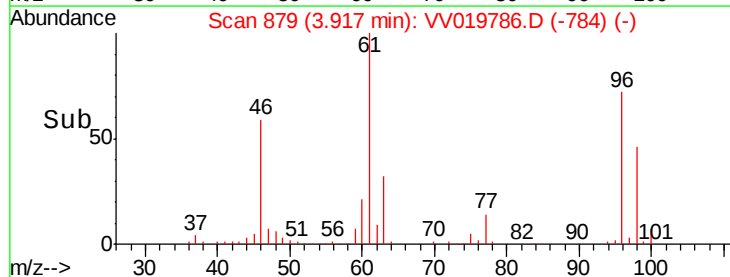
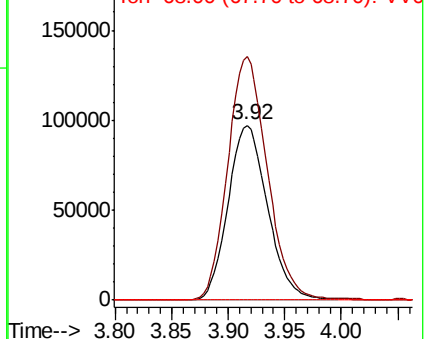
96 100

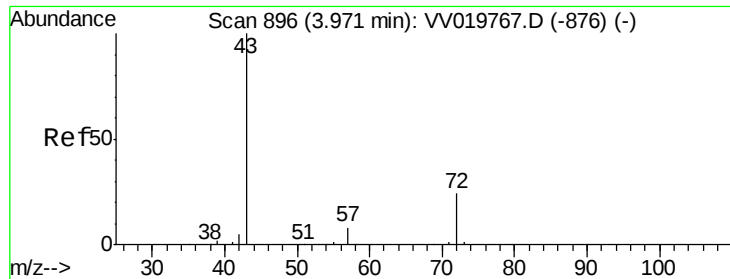
61 139.3 94.1 174.8

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: 117.428 ug/L

RT: 3.98 min Scan# 898

Delta R.T. 0.01 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

Instrument :

MSVOA_V

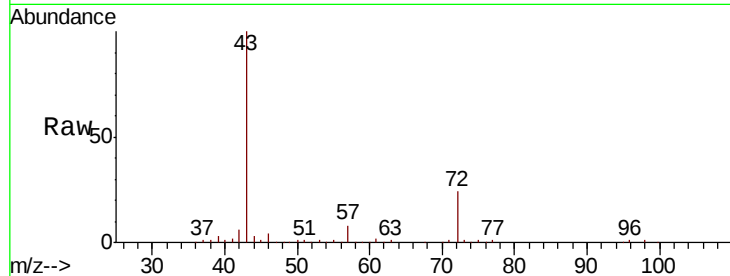
ClientSampleId :

Tot Ion: 43 Resp: 402397

Ion Ratio Lower Upper

43 100

72 24.0 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019786.D (-876) (-)

Ion 72.00 (71.70 to 72.70): VV019786.D (-876) (-)

3.98

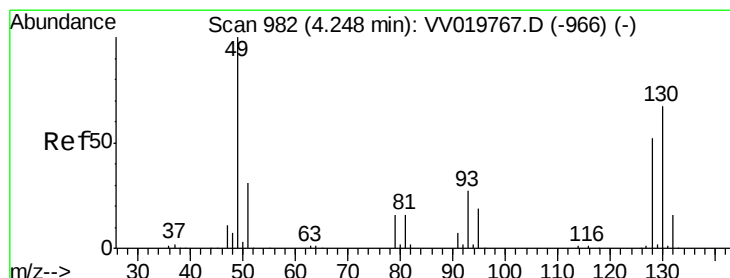
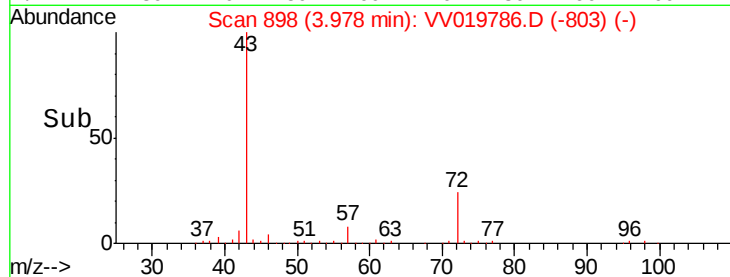
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 47.249 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

Tgt Ion: 128 Resp: 117409

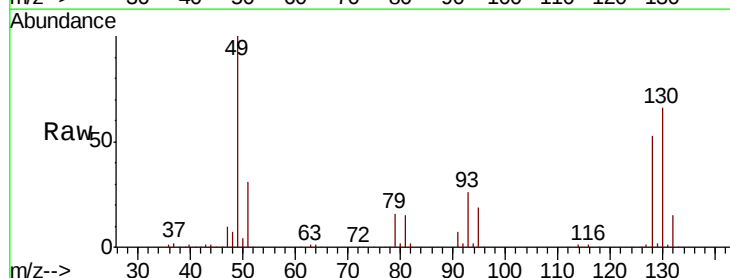
Ion Ratio Lower Upper

128 100

49 188.1 127.0 235.8

130 124.2 90.3 167.7

51 59.1 44.5 66.7



Abundance Ion 128.00 (127.70 to 128.70): VV019786.D (-889) (-)

Ion 49.00 (48.70 to 49.70): VV019786.D (-889) (-)

Ion 130.00 (129.70 to 130.70): VV019786.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VV019786.D (-889) (-)

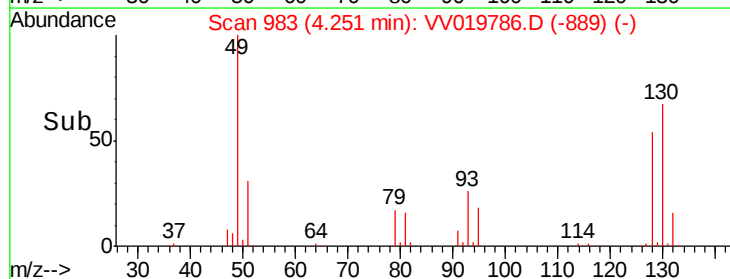
4.25

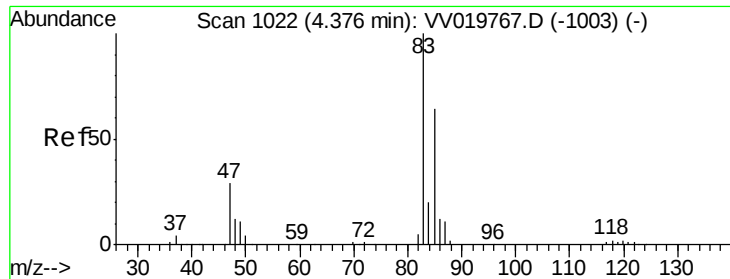
100000

50000

0

Time-->

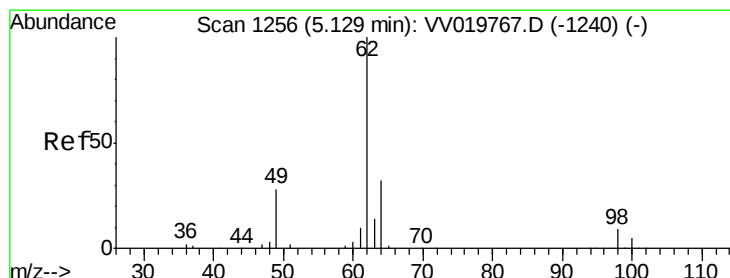
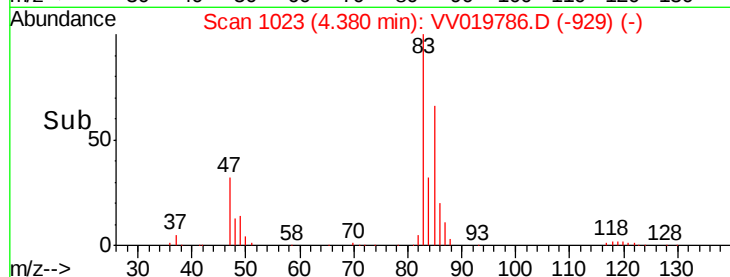
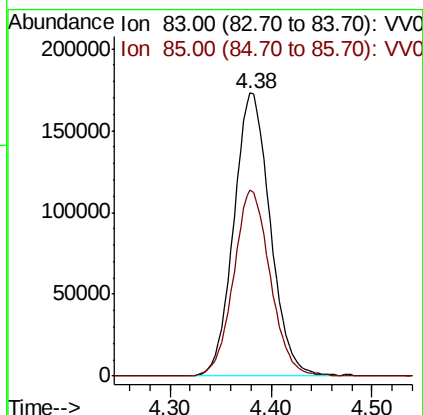
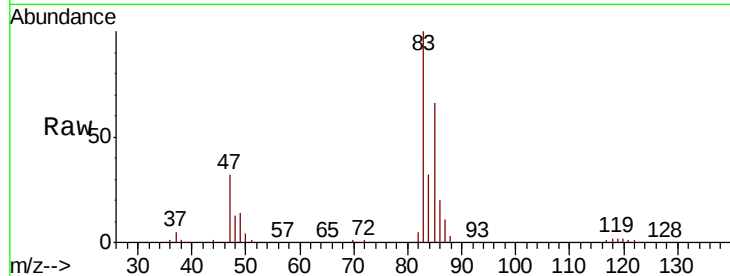




#25
Chloroform
Concen: 48.707 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019786.D
Acq: 21 Dec 2020 19:30

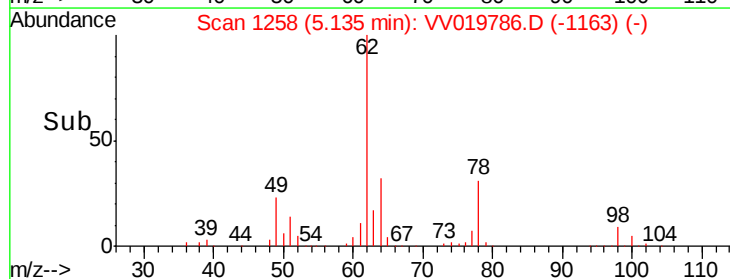
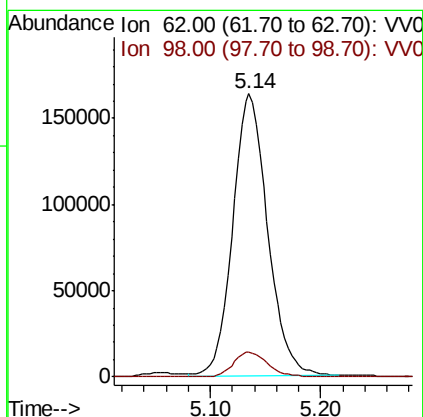
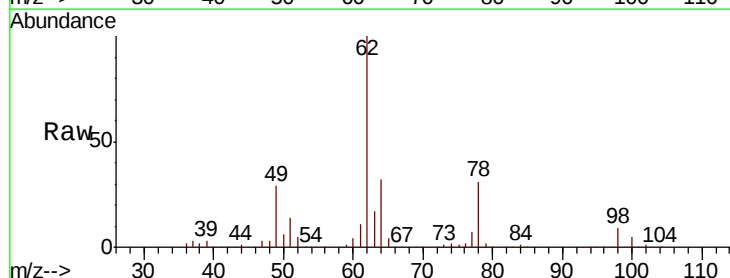
Instrument :
MSVOA_V
ClientSampleId :

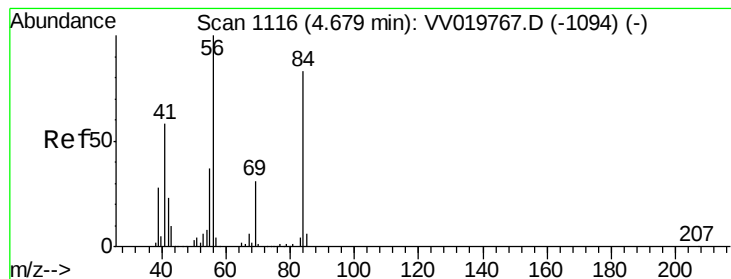
Tot Ion: 83 Resp: 433264
Ion Ratio Lower Upper
83 100
85 65.8 45.6 84.6



#27
1,2-Dichloroethane
Concen: 48.598 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VV019786.D
Acq: 21 Dec 2020 19:30

Tgt Ion: 62 Resp: 358135
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.0





#29

Cyclohexane

Concen: 42.071 ug/L

RT: 4.68 min Scan# 1117

Delta R.T. 0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

Instrument :
MSVOA_V
ClientSampleId :

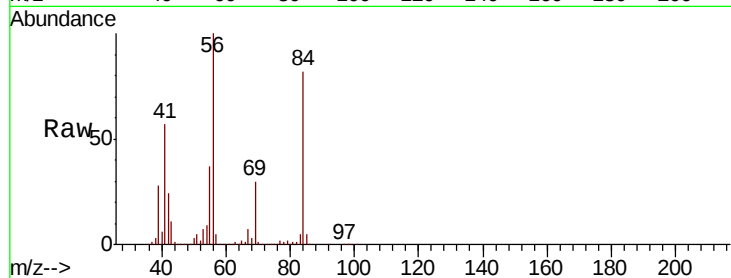
Tot Ion: 56 Resp: 344148

Ion Ratio Lower Upper

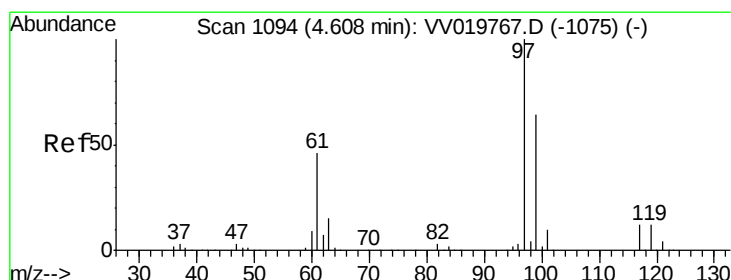
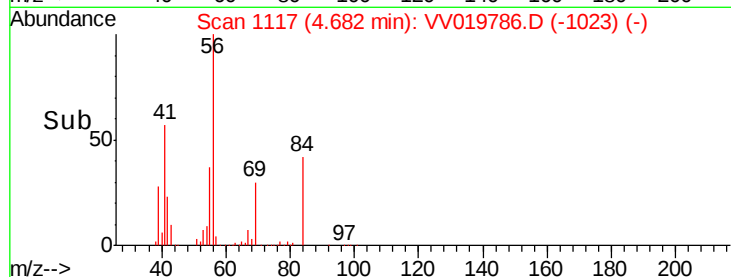
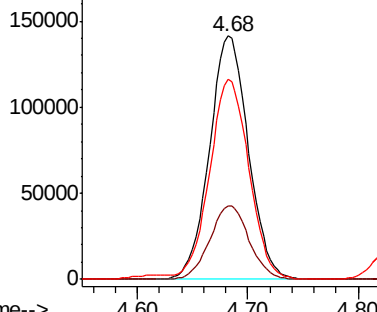
56 100

69 30.6 24.6 37.0

84 83.2 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: 44.163 ug/L

RT: 4.61 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

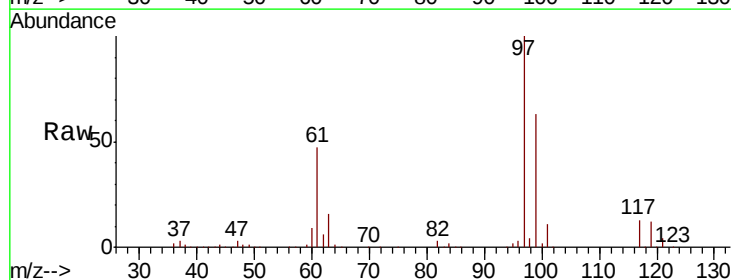
Tgt Ion: 97 Resp: 369587

Ion Ratio Lower Upper

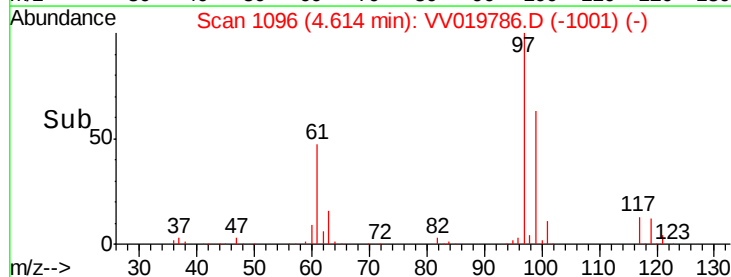
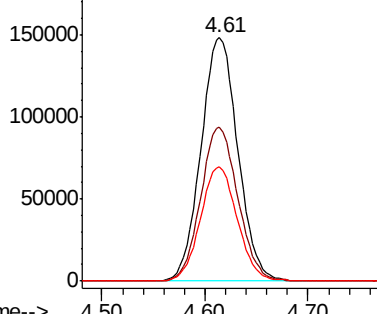
97 100

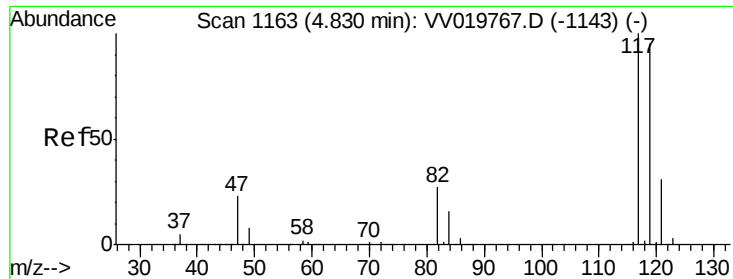
99 63.5 51.3 76.9

61 47.0 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: 41.655 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

Instrument :

MSVOA_V

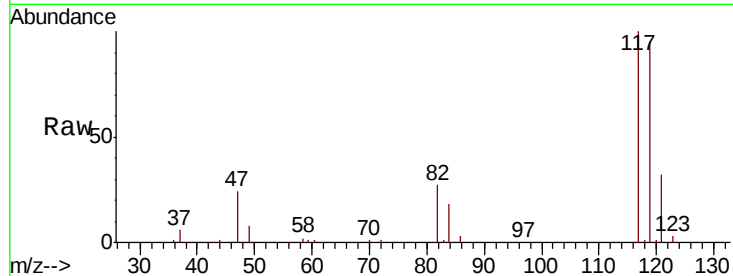
ClientSampled :

Tot Ion:117 Resp: 294280

Ion Ratio Lower Upper

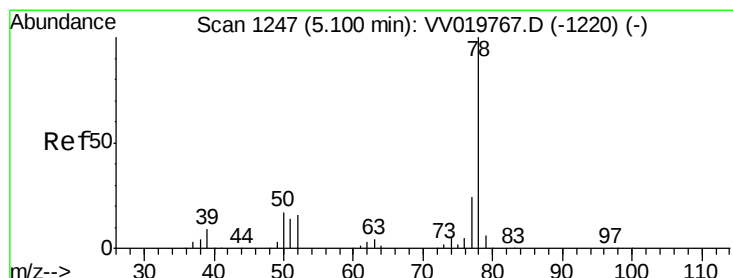
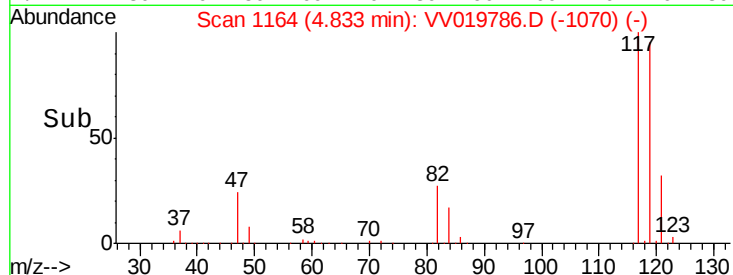
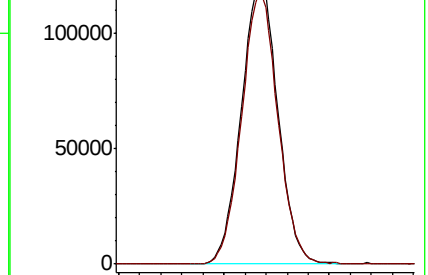
117 100

119 95.2 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.990 ug/L

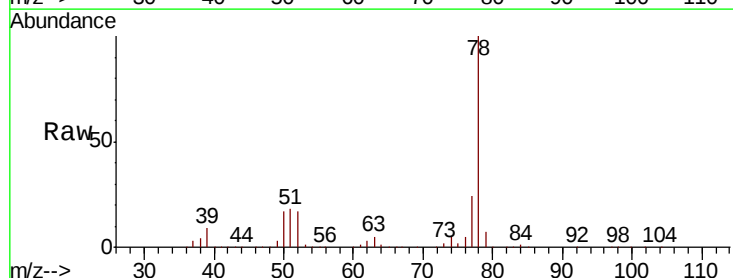
RT: 5.10 min Scan# 1248

Delta R.T. 0.00 min

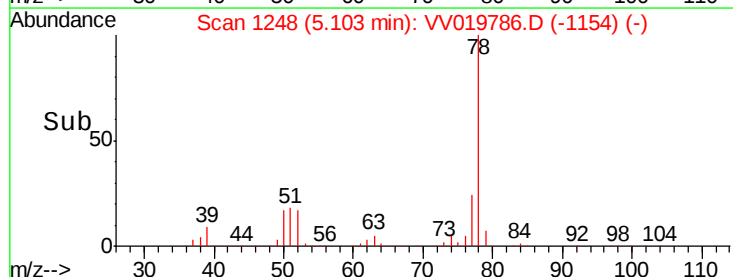
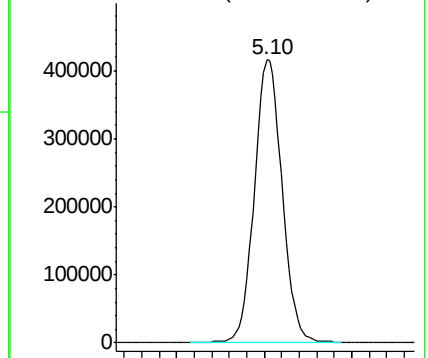
Lab File: VV019786.D

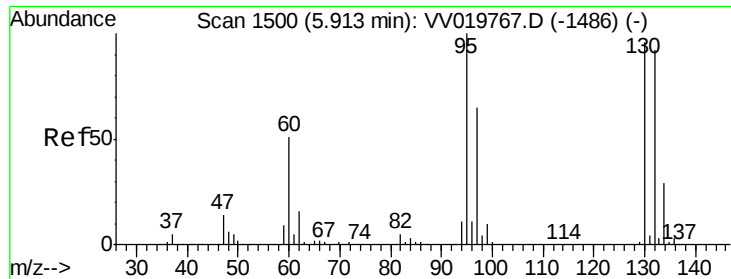
Acq: 21 Dec 2020 19:30

Tgt Ion: 78 Resp: 916586



Abundance Ion 78.00 (77.70 to 78.70): VV0

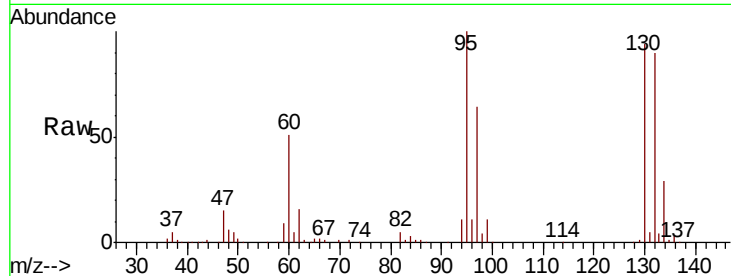




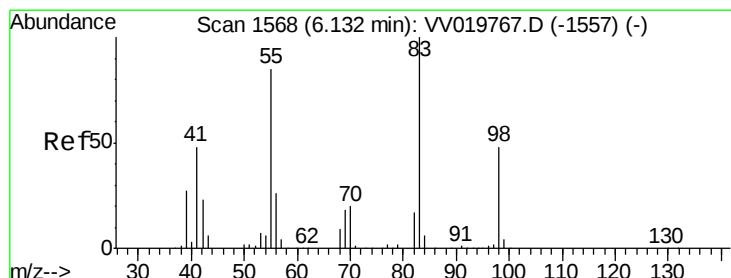
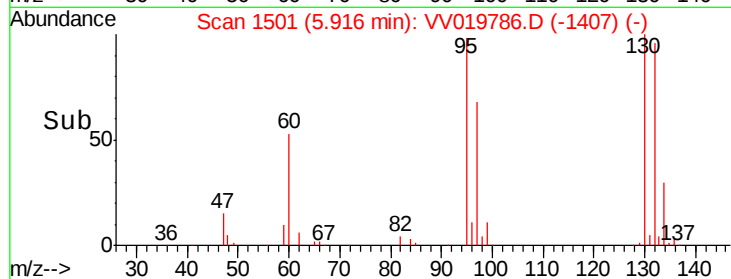
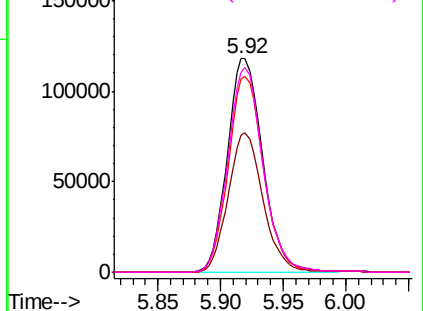
#34
 Trichloroethene
 Concen: 45.008 ug/L
 RT: 5.92 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VV019786.D
 Acq: 21 Dec 2020 19:30

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 231917
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.4 82.4
 132 90.3 64.3 119.3
 130 93.8 67.8 125.8

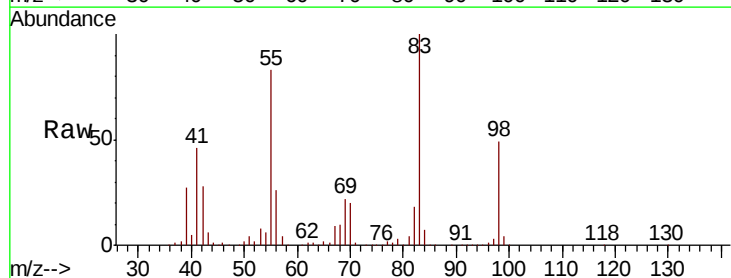


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

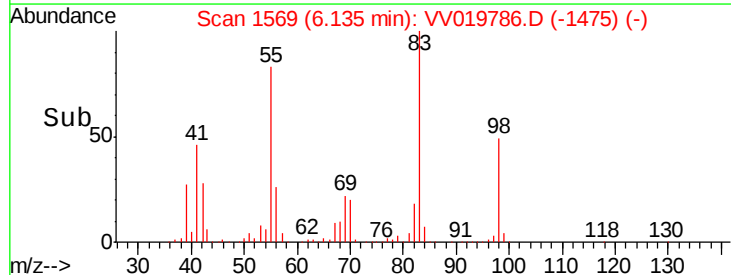
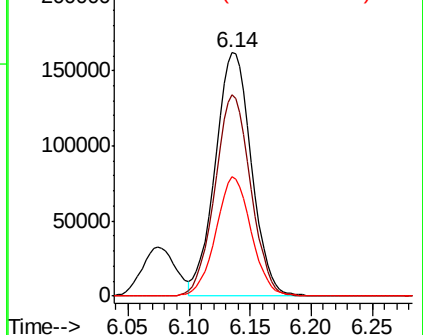


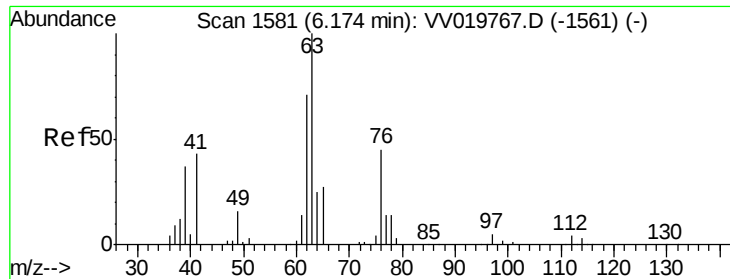
#35
 Methylcyclohexane
 Concen: 43.046 ug/L
 RT: 6.14 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VV019786.D
 Acq: 21 Dec 2020 19:30

Tgt Ion: 83 Resp: 336962
 Ion Ratio Lower Upper
 83 100
 55 81.3 64.2 96.4
 98 47.9 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

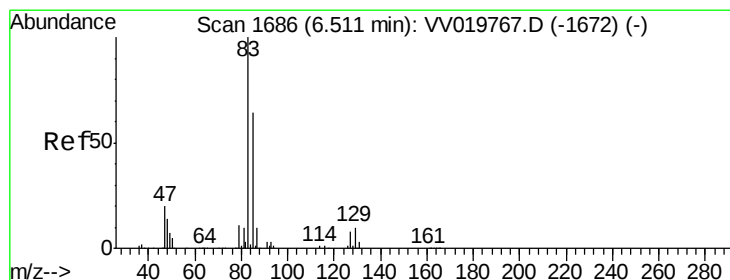
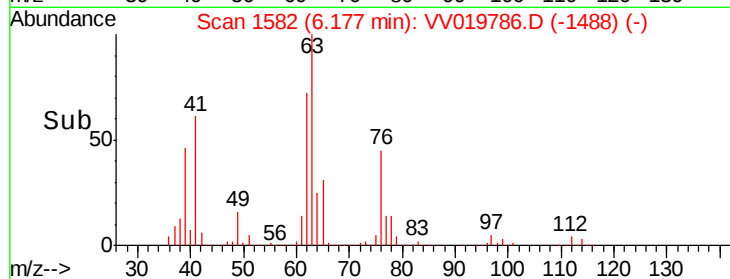
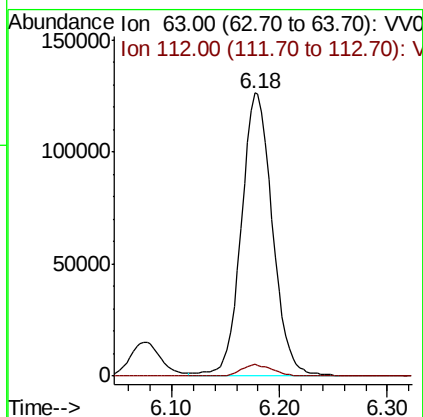
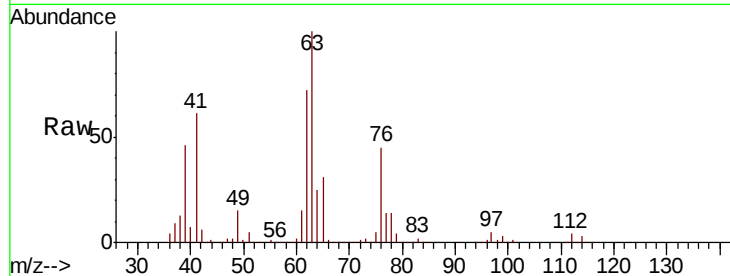




#37
 1,2-Dichloropropane
 Concen: 49.519 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV019786.D
 Acq: 21 Dec 2020 19:30

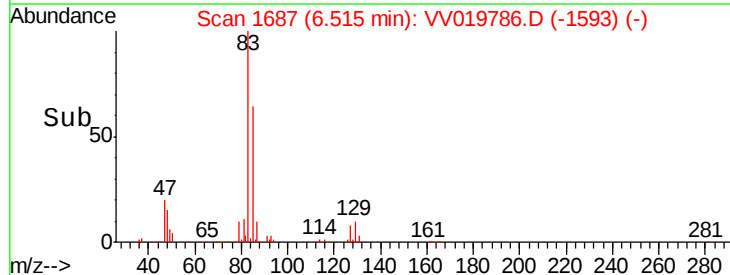
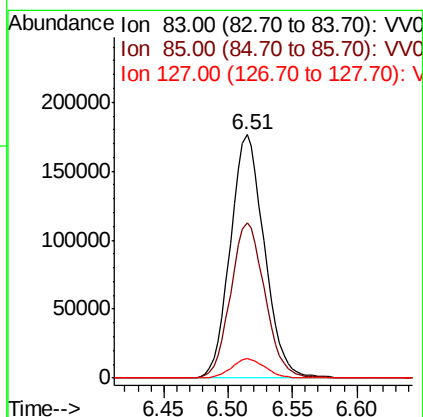
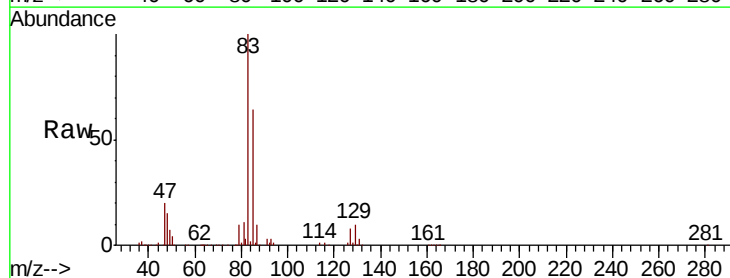
Instrument :
 MSVOA_V
 ClientSampleId :

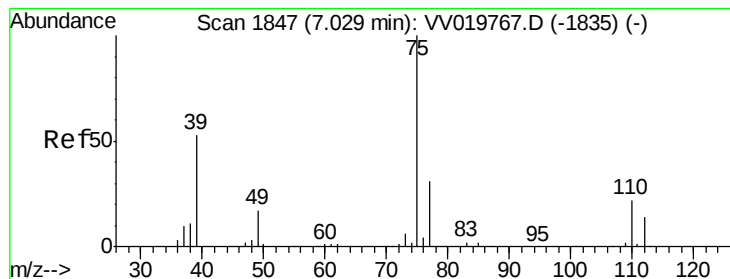
Tot Ion: 63 Resp: 252248
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 45.501 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VV019786.D
 Acq: 21 Dec 2020 19:30

Tgt Ion: 83 Resp: 324112
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.9 83.5
 127 7.9 6.7 10.1



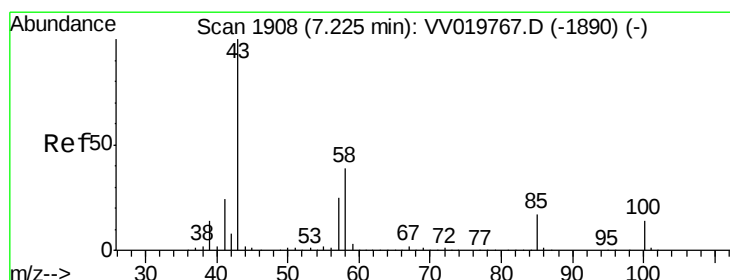
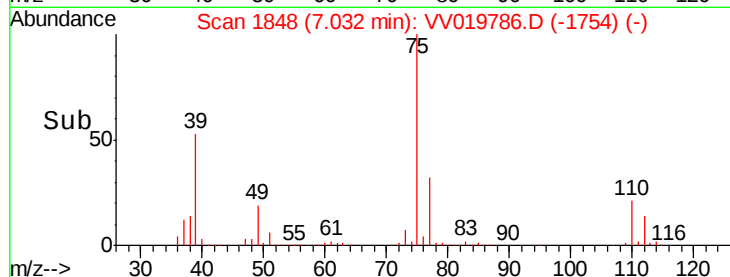
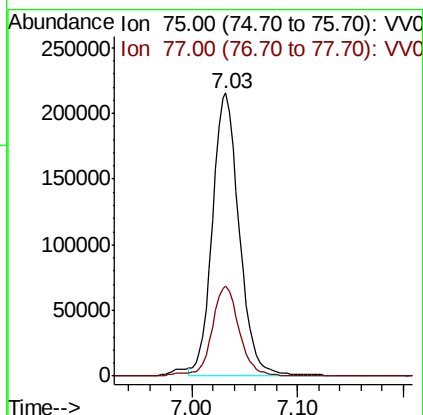
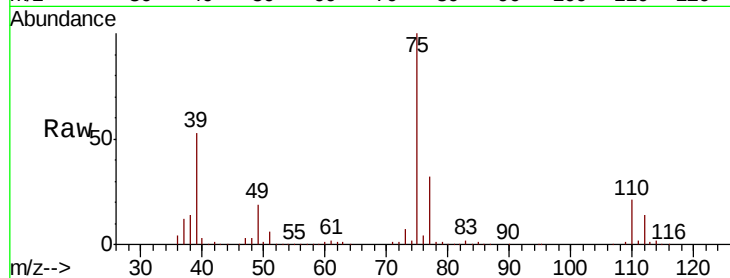


#39

cis-1,3-Dichloropropene
 Concen: 44.886 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: VV019786.D
 Acq: 21 Dec 2020 19:30

Instrument :
 MSVOA_V
 ClientSampleId :

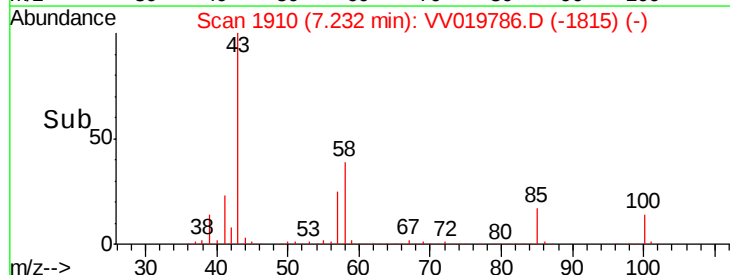
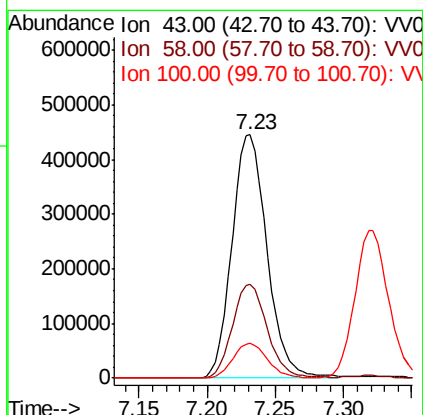
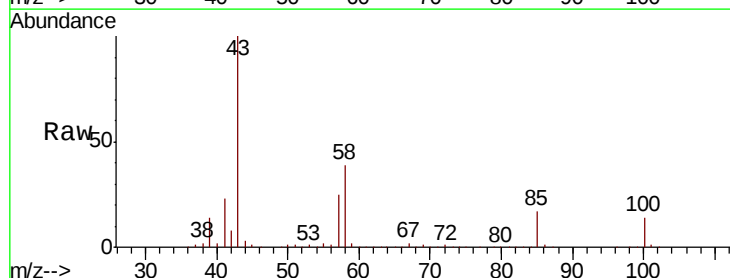
Tot Ion: 75 Resp: 379757
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.4 41.6

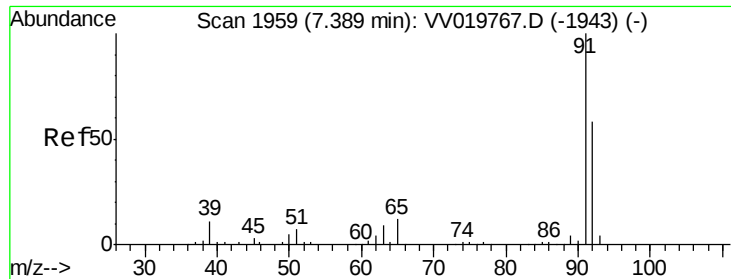


#40

4-Methyl-2-pentanone
 Concen: 108.094 ug/L
 RT: 7.23 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VV019786.D
 Acq: 21 Dec 2020 19:30

Tgt Ion: 43 Resp: 794406
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.7 47.5
 100 14.2 12.5 18.7





#42

Toluene

Concen: 45.511 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

Instrument :

MSVOA_V

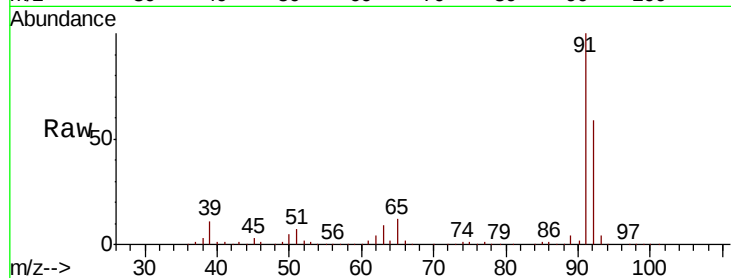
ClientSampled :

Tot Ion: 91 Resp: 935640

Ion Ratio Lower Upper

91 100

92 58.7 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV019767.D (-1943) (-)

Ion 92.00 (91.70 to 92.70): VV019767.D (-1943) (-)

7.39

600000

500000

400000

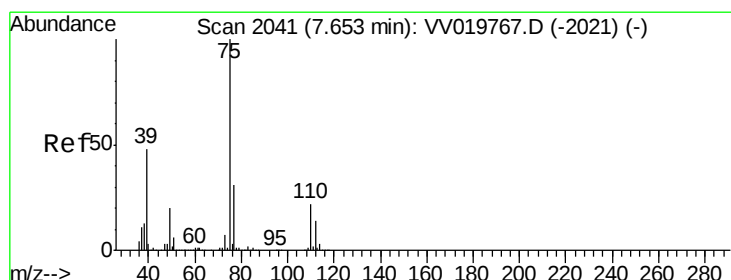
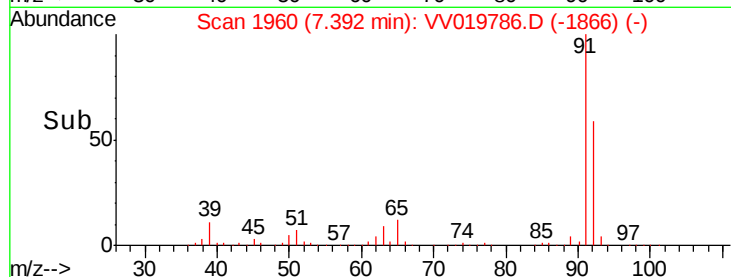
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 43.748 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. 0.00 min

Lab File: VV019786.D

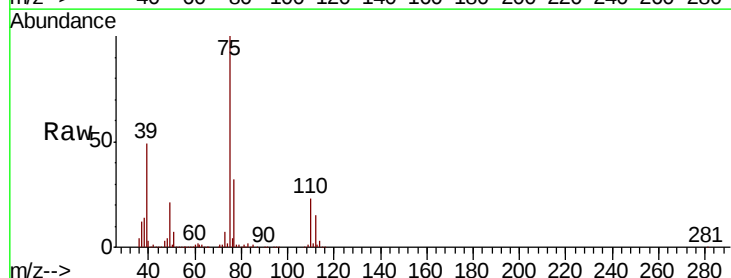
Acq: 21 Dec 2020 19:30

Tgt Ion: 75 Resp: 374775

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV019767.D (-2021) (-)

Ion 77.00 (76.70 to 77.70): VV019767.D (-2021) (-)

250000

200000

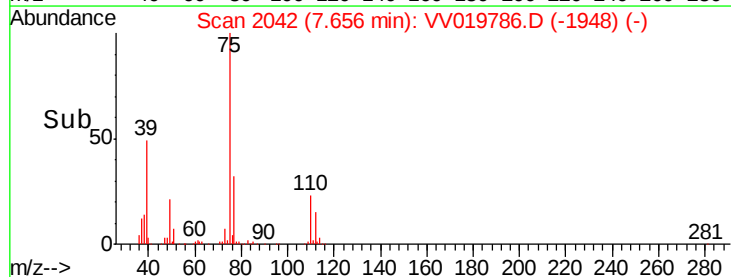
150000

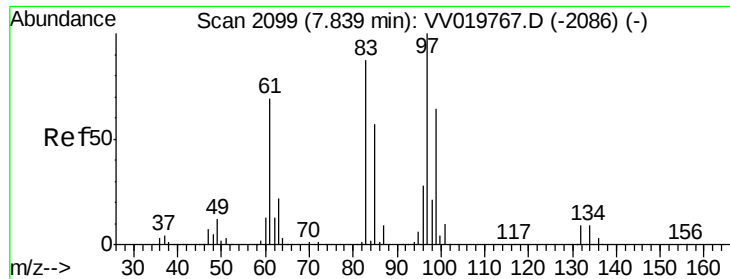
100000

50000

0

Time-->

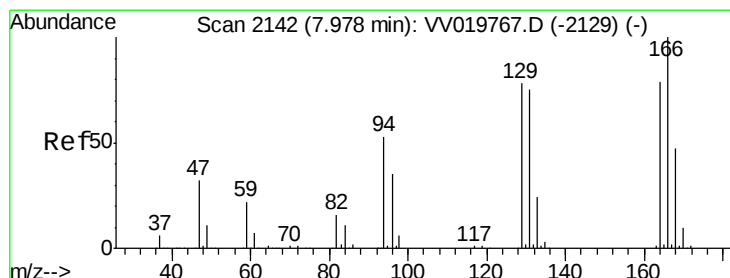
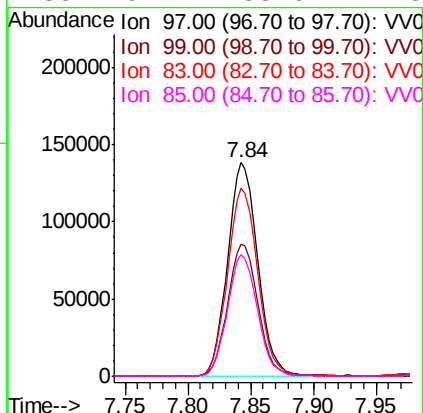
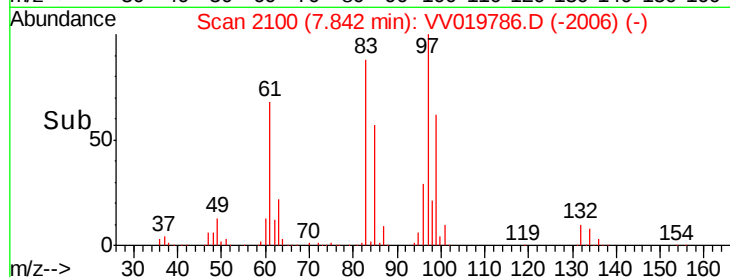
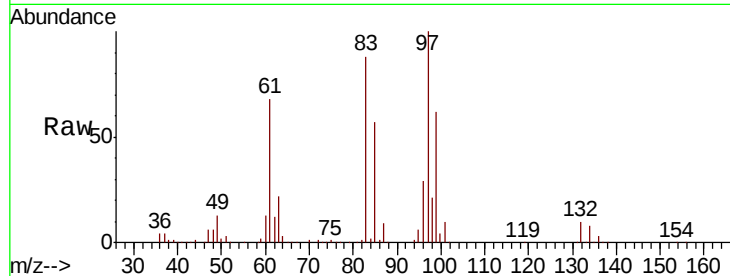




#45
1,1,2-Trichloroethane
Concen: 47.656 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VV019786.D
Acq: 21 Dec 2020 19:30

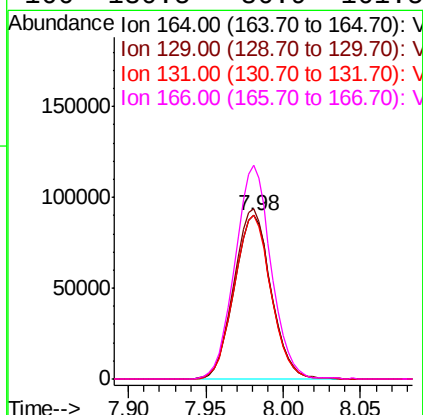
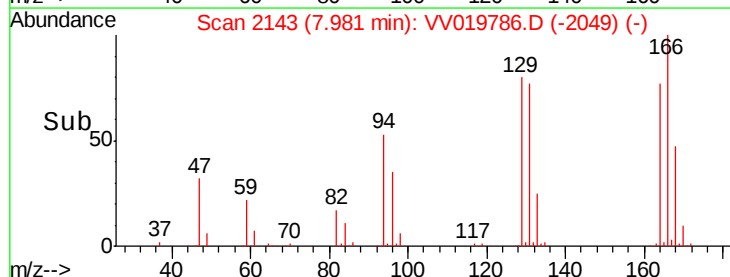
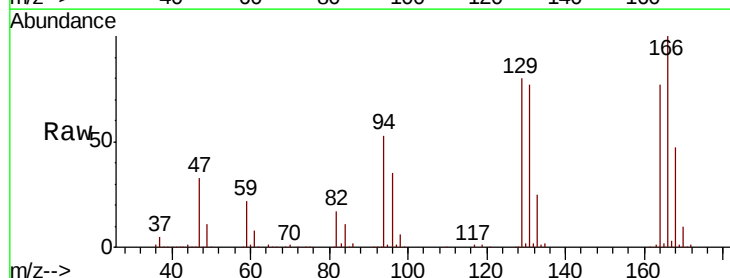
Instrument :
MSVOA_V
ClientSampleId :

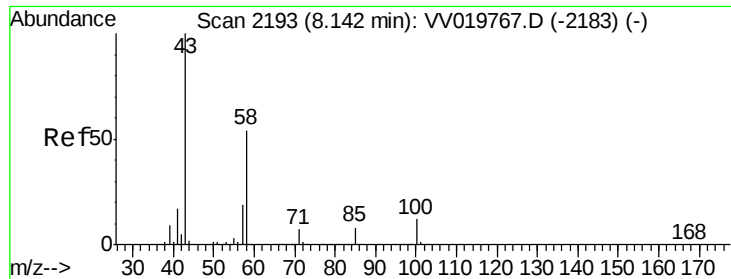
Tot Ion:	97	Resp:	230532
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.1	81.9
83	88.0	60.0	111.4
85	57.2	38.6	71.8



#46
Tetrachloroethene
Concen: 42.076 ug/L
RT: 7.98 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VV019786.D
Acq: 21 Dec 2020 19:30

Tgt Ion:	164	Resp:	150022
Ion	Ratio	Lower	Upper
164	100		
129	104.1	70.6	131.0
131	99.9	68.0	126.4
166	130.5	86.9	161.5

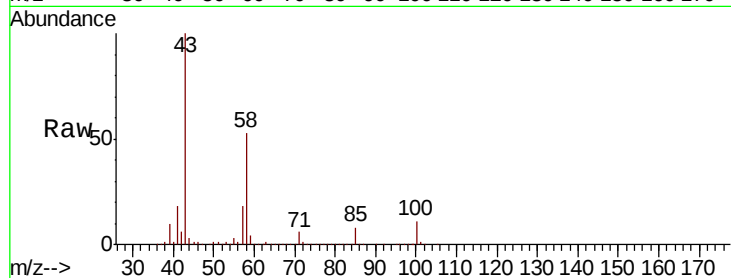




#48
2-Hexanone
Concen: 108.149 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VV019786.D
Acq: 21 Dec 2020 19:30

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	43	Resp:	603086
Ion	Ratio	Lower	Upper
43	100		
58	54.9	44.4	66.6
57	18.6	15.7	23.5
100	11.7	9.9	14.9



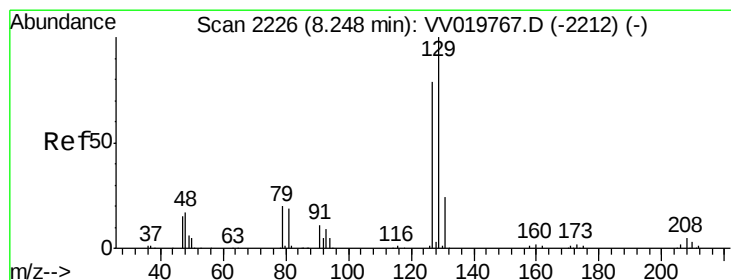
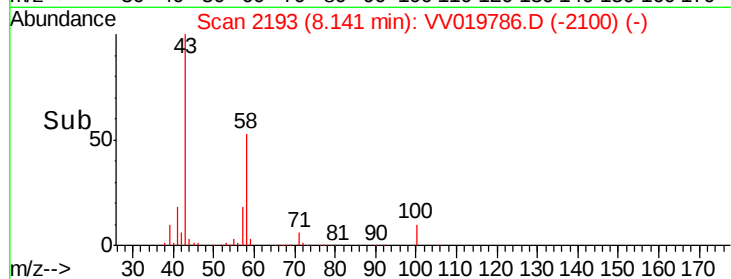
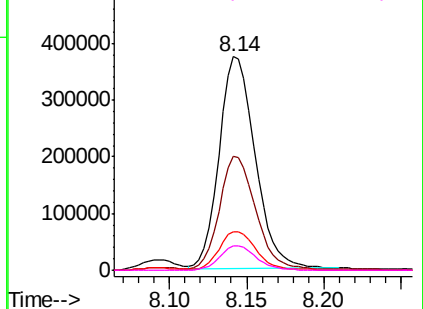
Abundance

Ion 43.00 (42.70 to 43.70): VV019767.D (-2183) (-)

Ion 58.00 (57.70 to 58.70): VV019767.D (-2183) (-)

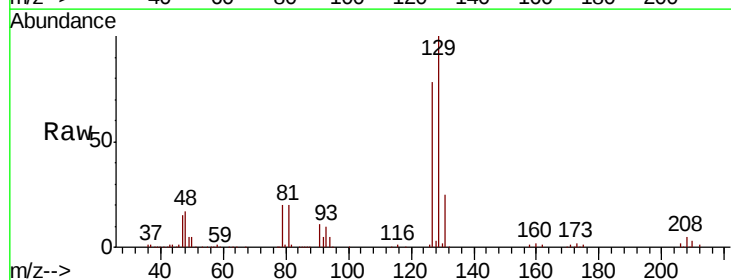
Ion 57.00 (56.70 to 57.70): VV019767.D (-2183) (-)

Ion 100.00 (99.70 to 100.70): VV019767.D (-2183) (-)



#49
Dibromochloromethane
Concen: 44.216 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019786.D
Acq: 21 Dec 2020 19:30

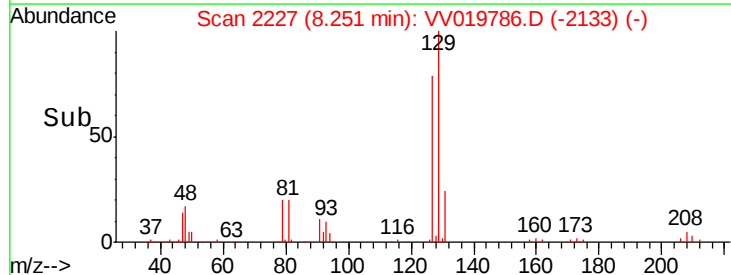
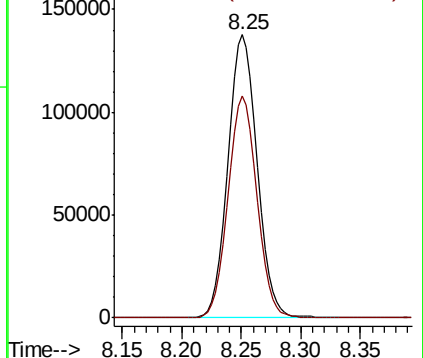
Tgt Ion:	129	Resp:	234241
Ion	Ratio	Lower	Upper
129	100		
127	78.3	54.2	100.6

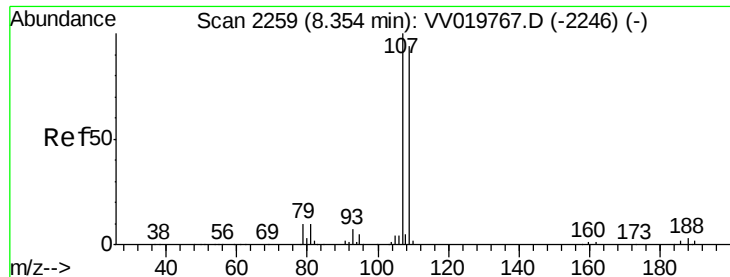


Abundance

Ion 129.00 (128.70 to 129.70): VV019767.D (-2212) (-)

Ion 127.00 (126.70 to 127.70): VV019767.D (-2212) (-)

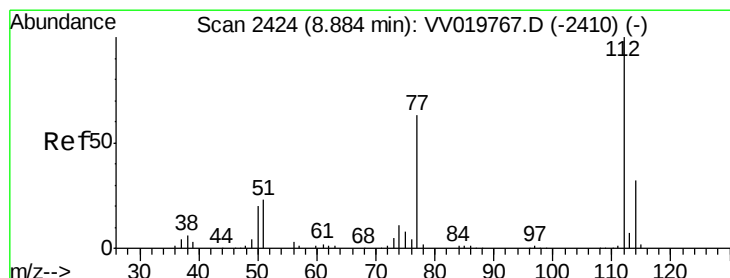
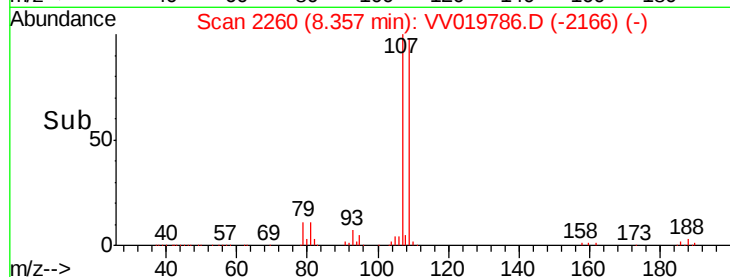
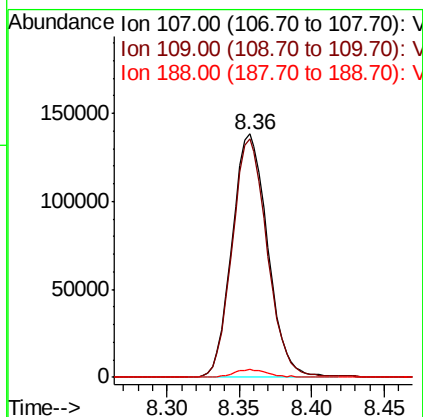
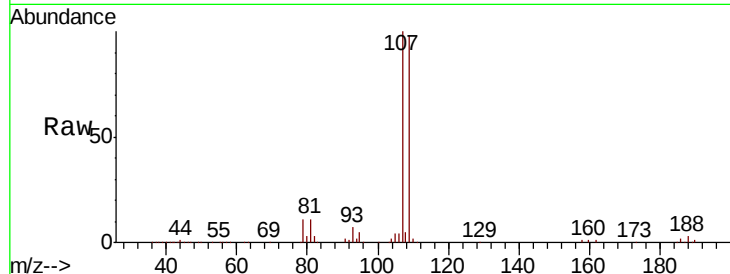




#50
 1,2-Dibromoethane
 Concen: 46.471 ug/L
 RT: 8.36 min Scan# 2260
 Delta R.T. 0.00 min
 Lab File: VV019786.D
 Acq: 21 Dec 2020 19:30

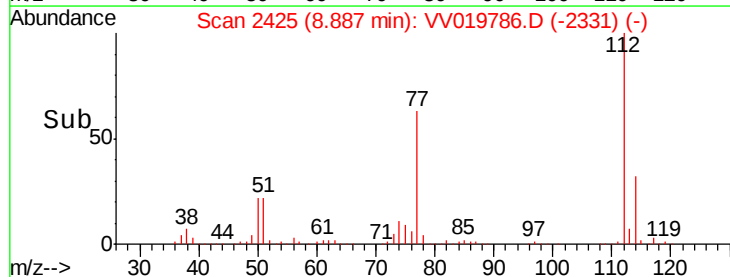
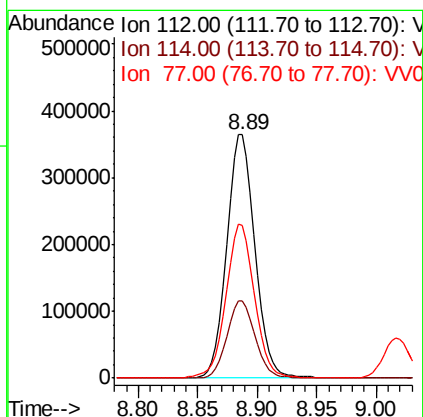
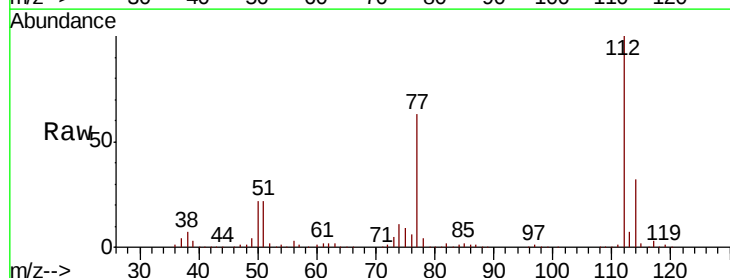
Instrument :
 MSVOA_V
 ClientSampleId :

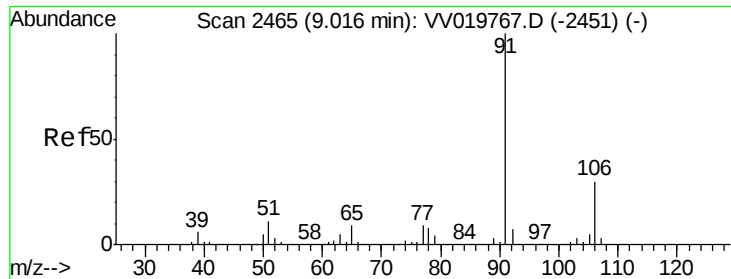
Tot Ion	Ratio	Lower	Upper
107	100		
109	98.1	66.4	123.2
188	3.1	2.9	4.3



#51
 Chlorobenzene
 Concen: 45.623 ug/L
 RT: 8.89 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: VV019786.D
 Acq: 21 Dec 2020 19:30

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.2	41.2
77	62.5	50.6	75.8

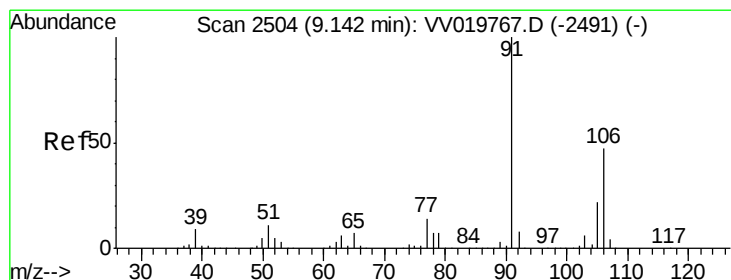
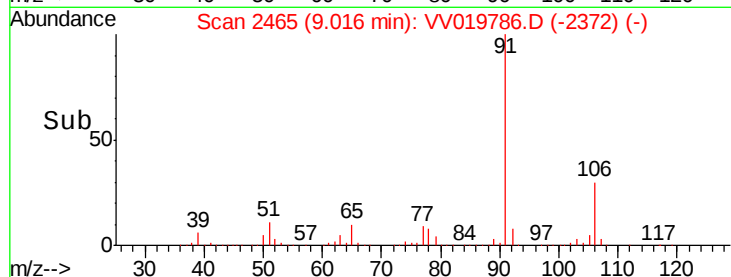
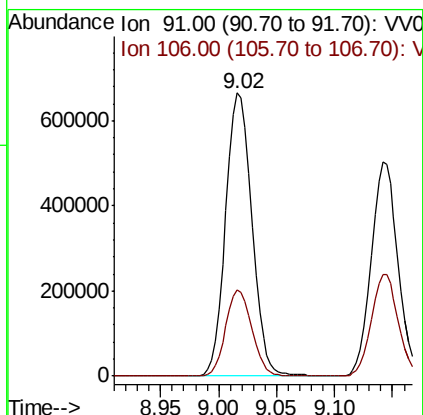
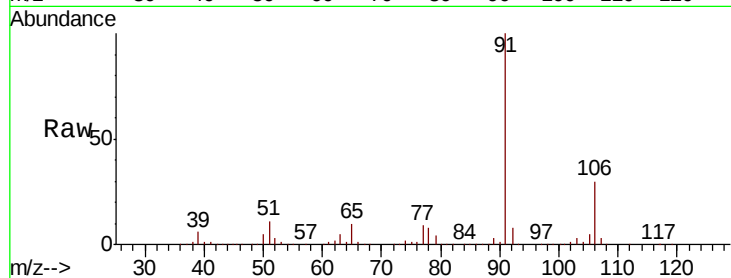




#52
Ethylbenzene
Concen: 44.788 ug/L
RT: 9.02 min Scan# 2465
Delta R.T. -0.00 min
Lab File: VV019786.D
Acq: 21 Dec 2020 19:30

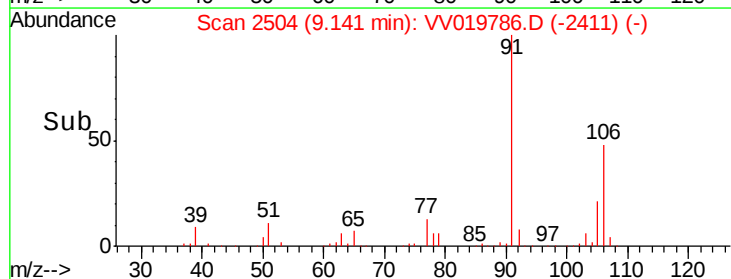
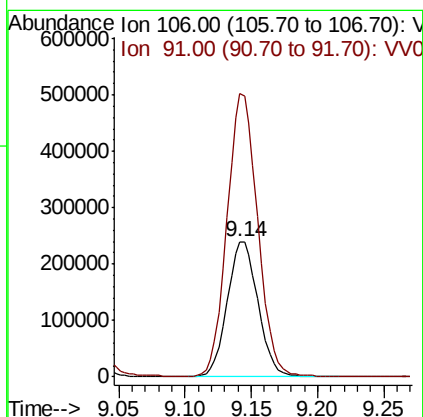
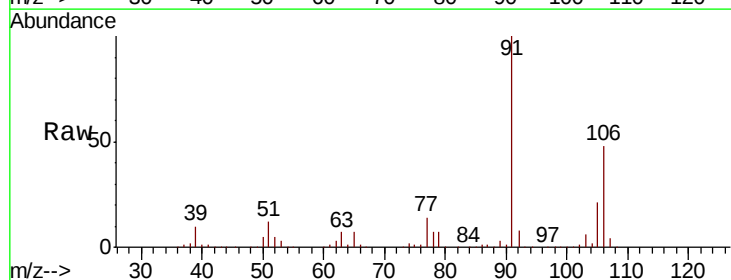
Instrument :
MSVOA_V
ClientSampled :

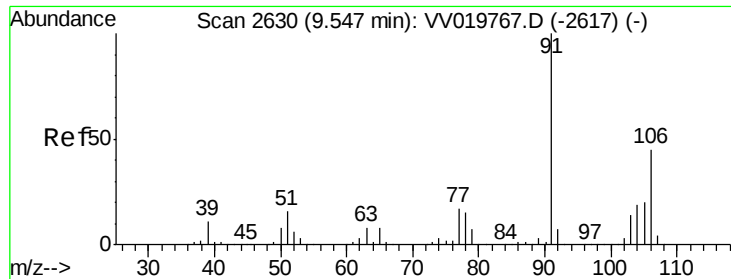
Tot Ion: 91 Resp: 1049082
Ion Ratio Lower Upper
91 100
106 30.3 21.1 39.3



#53
m,p-Xylene
Concen: 44.055 ug/L
RT: 9.14 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VV019786.D
Acq: 21 Dec 2020 19:30

Tgt Ion: 106 Resp: 385523
Ion Ratio Lower Upper
106 100
91 209.0 147.7 274.3

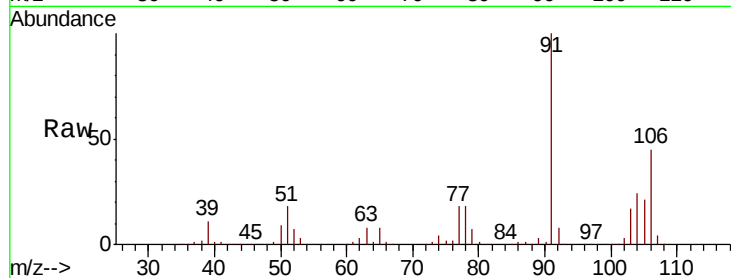




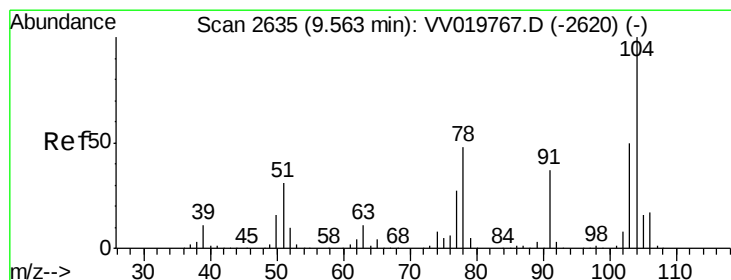
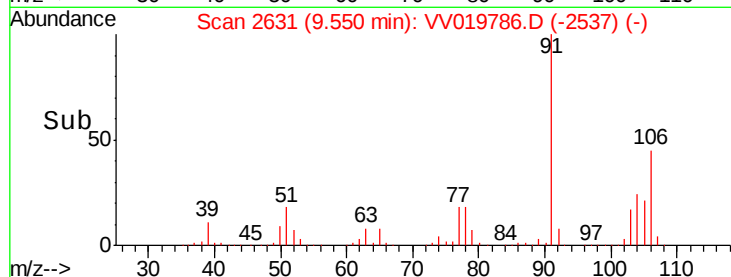
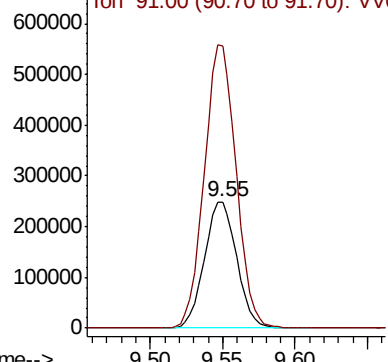
#54
o-xylene
Concen: 44.788 ug/L
RT: 9.55 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VV019786.D
Acq: 21 Dec 2020 19:30

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 384162
Ion Ratio Lower Upper
106 100
91 223.1 156.7 291.1

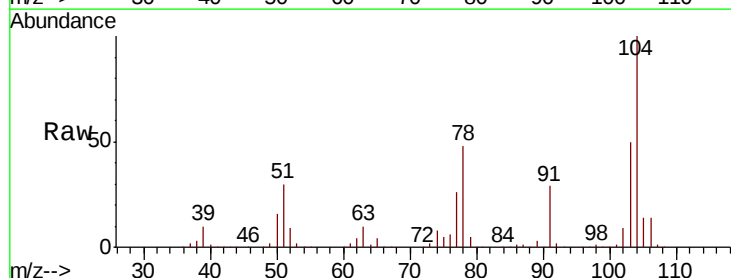


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

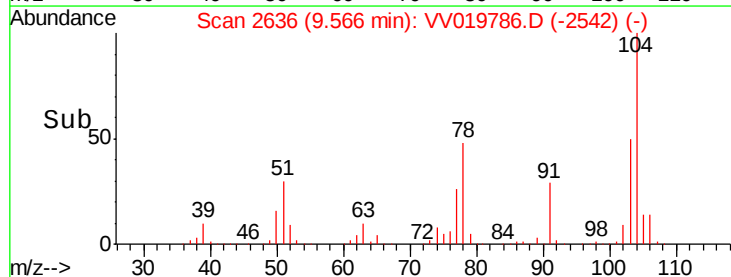
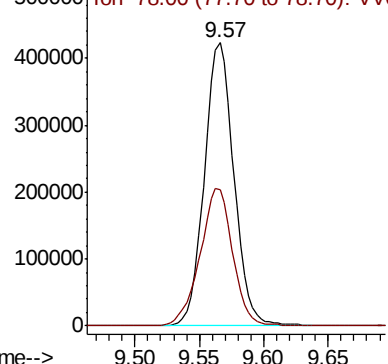


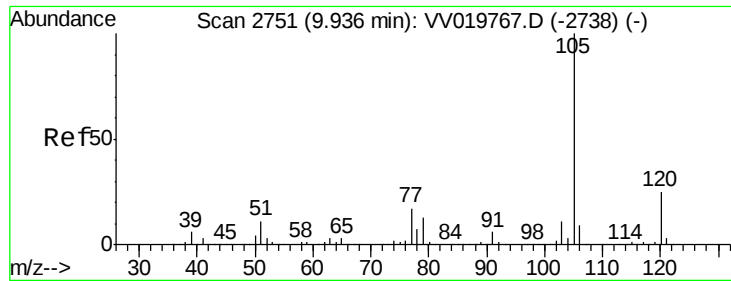
#55
Styrene
Concen: 45.146 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019786.D
Acq: 21 Dec 2020 19:30

Tgt Ion:104 Resp: 674908
Ion Ratio Lower Upper
104 100
78 48.2 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: 44.324 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

Instrument :
MSVOA_V
ClientSampled :

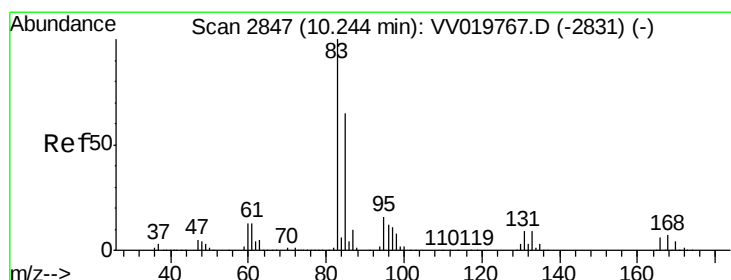
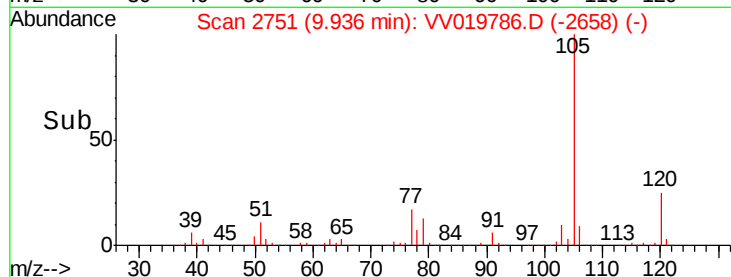
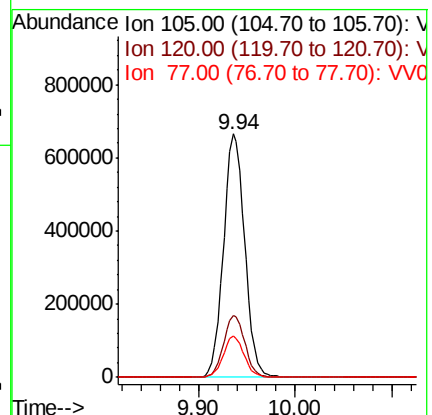
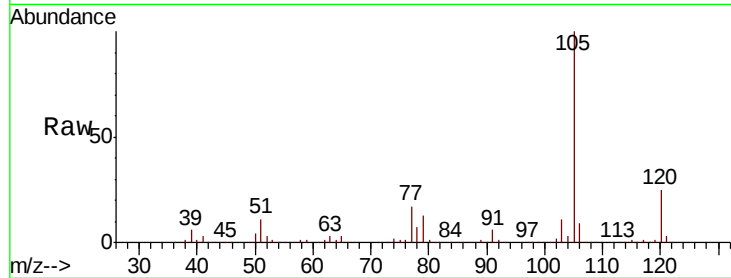
Tot Ion:105 Resp: 1012831

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

77 16.7 13.2 19.8



#58

1,1,2,2-Tetrachloroethane

Concen: 49.176 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

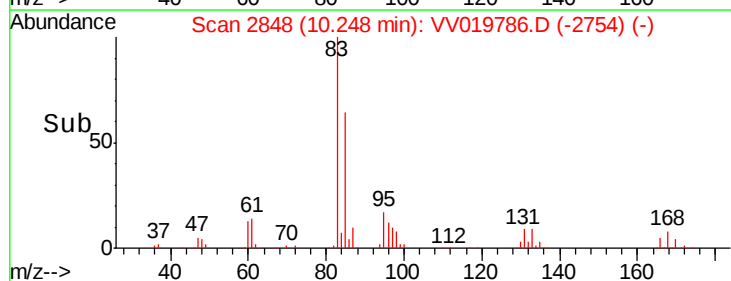
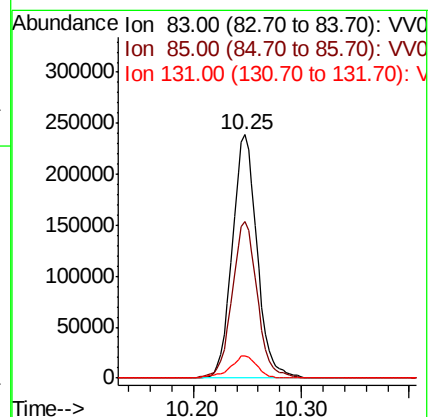
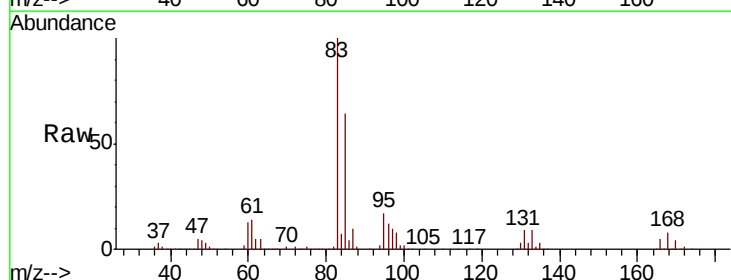
Tgt Ion: 83 Resp: 382550

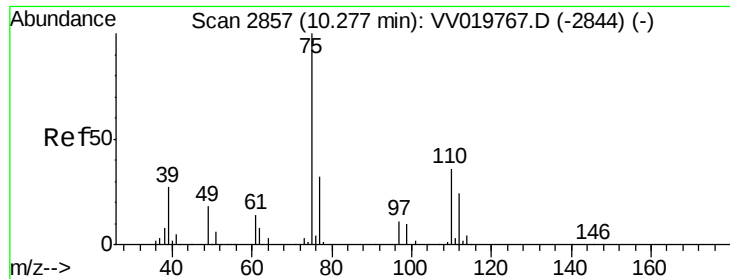
Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.5

131 9.3 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 51.442 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

Instrument :

MSVOA_V

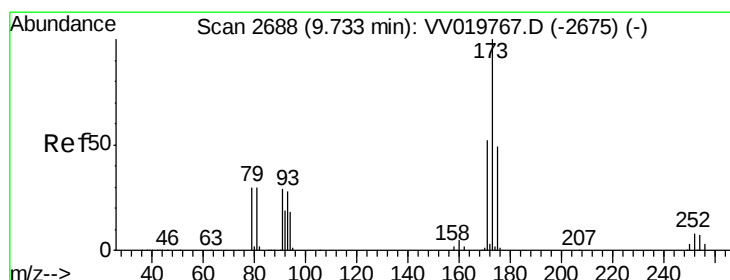
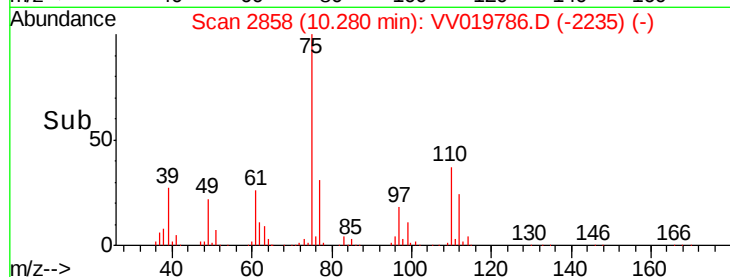
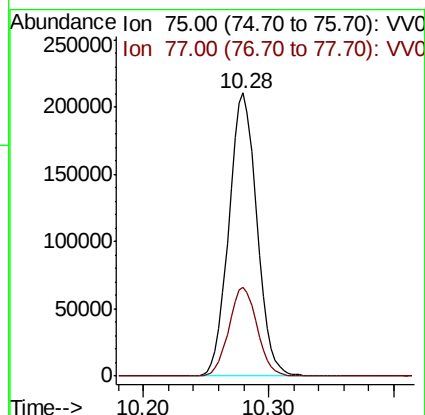
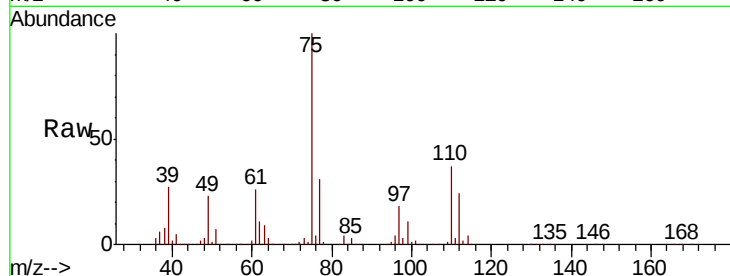
ClientSampled :

Tot Ion: 75 Resp: 325941

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8



#61

Bromoform

Concen: 42.915 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

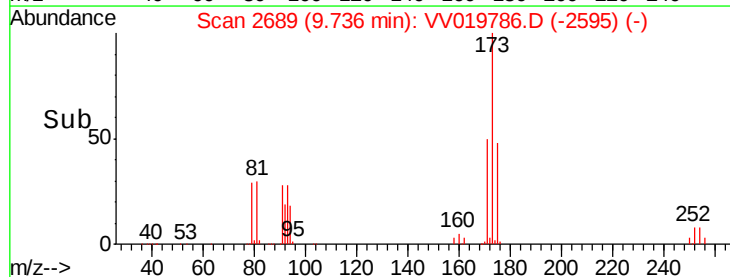
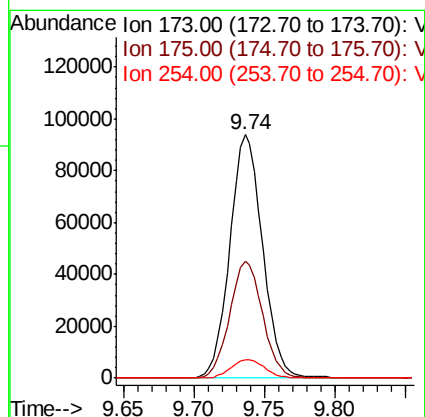
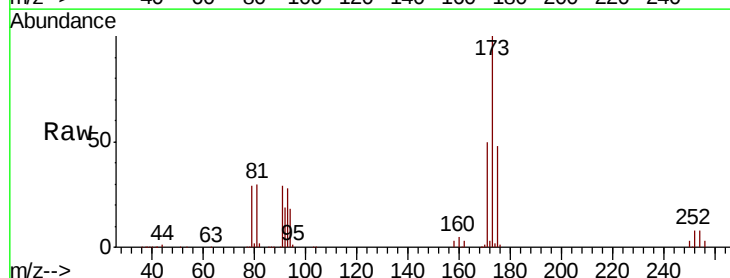
Tgt Ion: 173 Resp: 152422

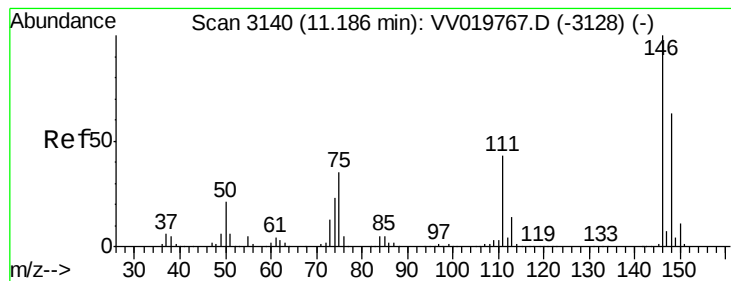
Ion Ratio Lower Upper

173 100

175 48.2 38.4 57.6

254 7.9 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 45.373 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

Instrument :

MSVOA_V

ClientSampleId :

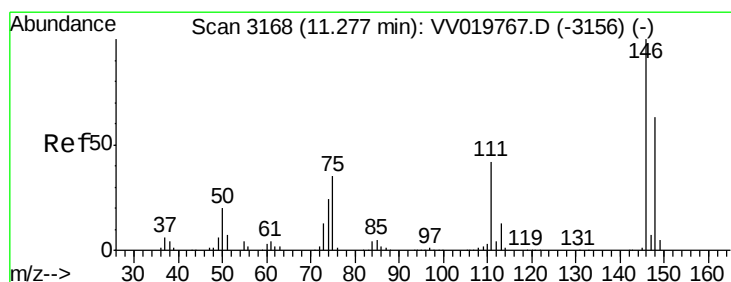
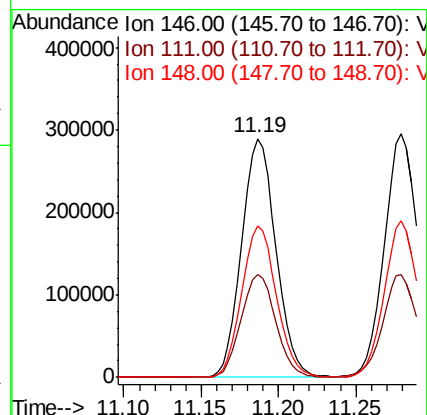
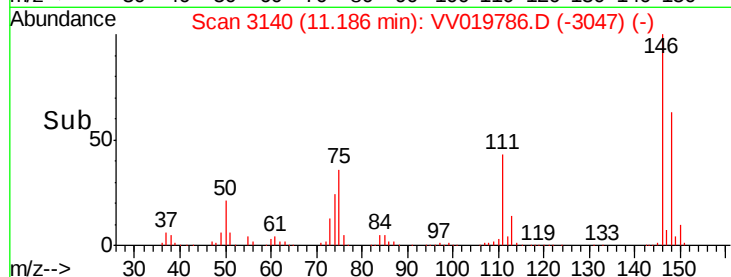
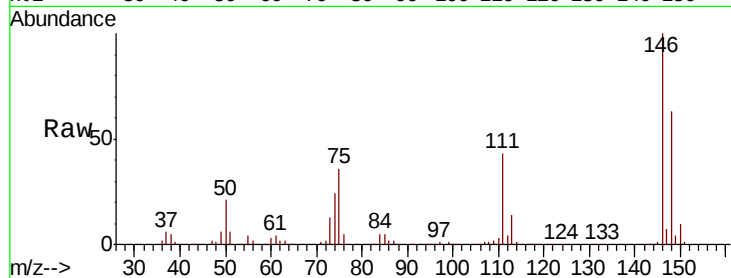
Tot Ion:146 Resp: 446850

Ion Ratio Lower Upper

146 100

111 43.3 30.7 57.1

148 63.3 45.3 84.1



#63

1,4-Dichlorobenzene

Concen: 45.427 ug/L

RT: 11.28 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

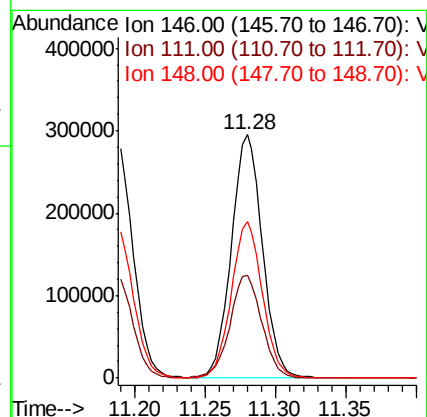
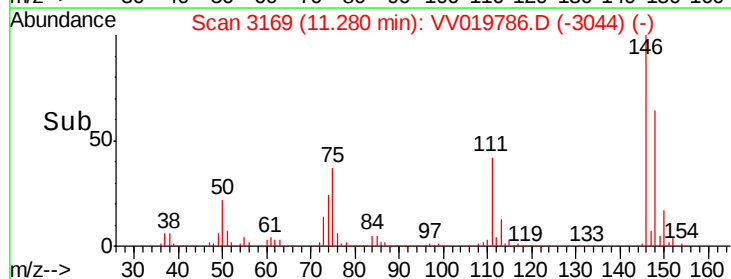
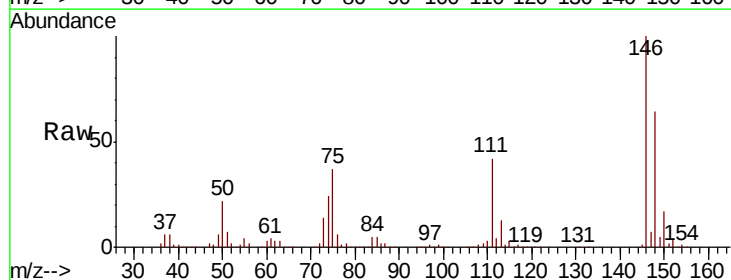
Tgt Ion:146 Resp: 453020

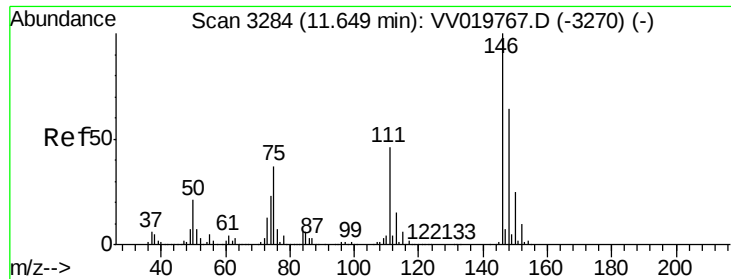
Ion Ratio Lower Upper

146 100

111 42.1 29.8 55.4

148 64.2 44.2 82.0

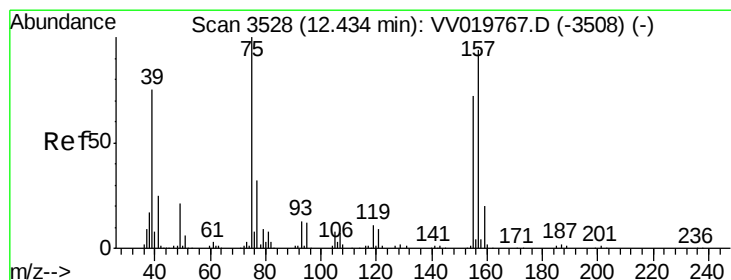
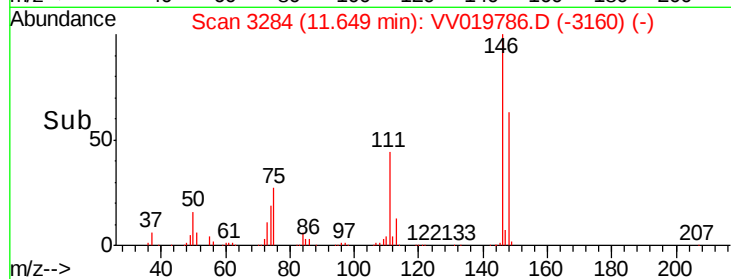
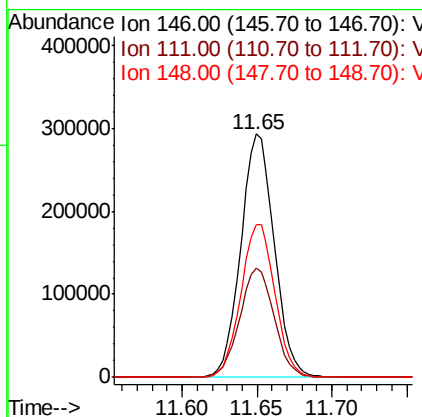
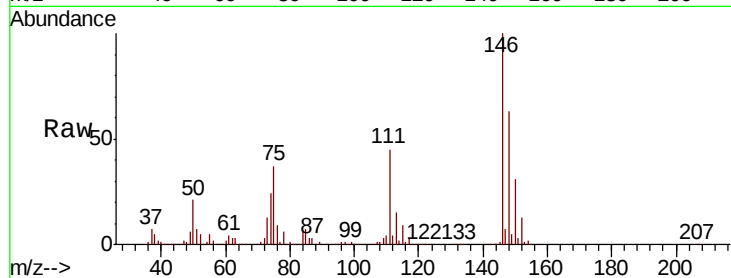




#65
 1,2-Dichlorobenzene
 Concen: 46.914 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VV019786.D
 Acq: 21 Dec 2020 19:30

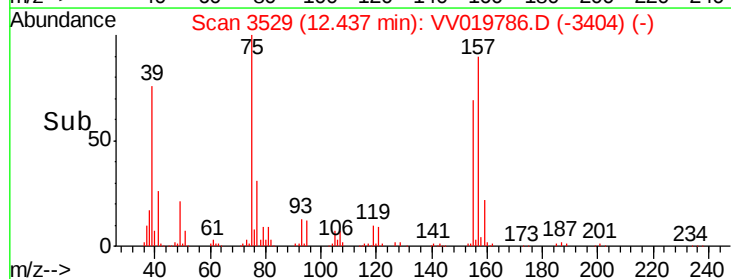
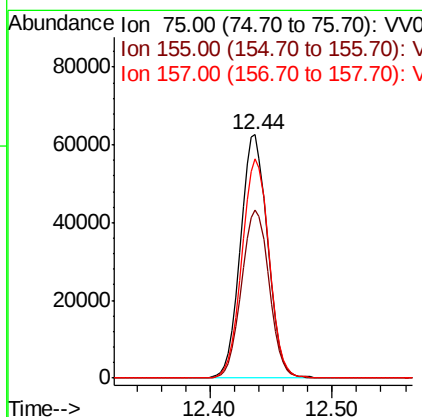
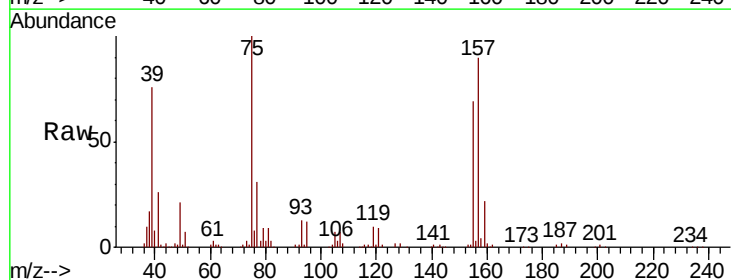
Instrument :
 MSVOA_V
 ClientSampleId :

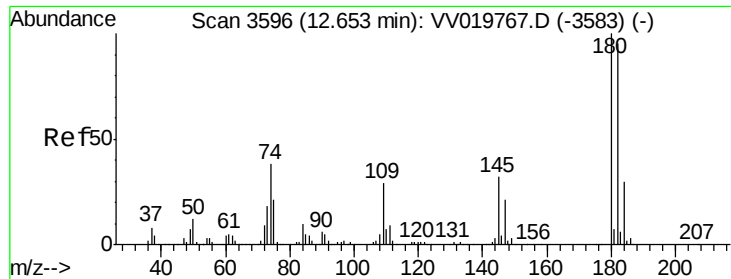
Tot Ion:146 Resp: 456543
 Ion Ratio Lower Upper
 146 100
 111 44.6 36.6 55.0
 148 63.0 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.349 ug/L
 RT: 12.44 min Scan# 3529
 Delta R.T. 0.00 min
 Lab File: VV019786.D
 Acq: 21 Dec 2020 19:30

Tgt Ion: 75 Resp: 96181
 Ion Ratio Lower Upper
 75 100
 155 69.3 61.1 91.7
 157 90.2 78.7 118.1

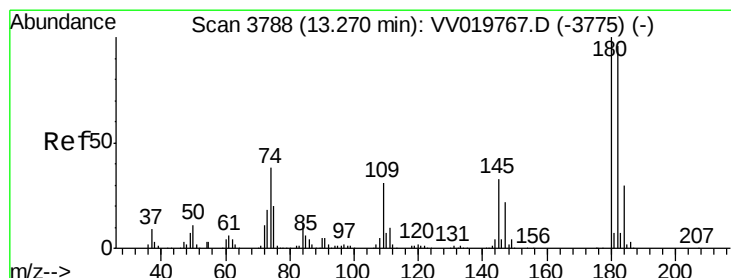
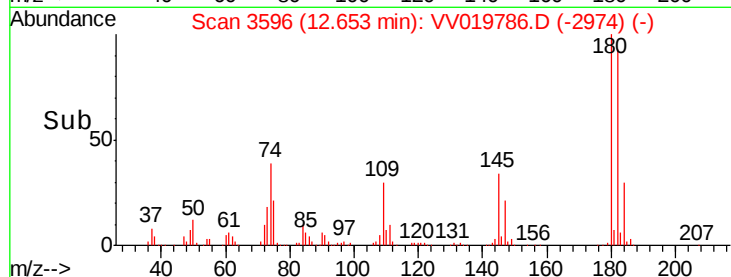
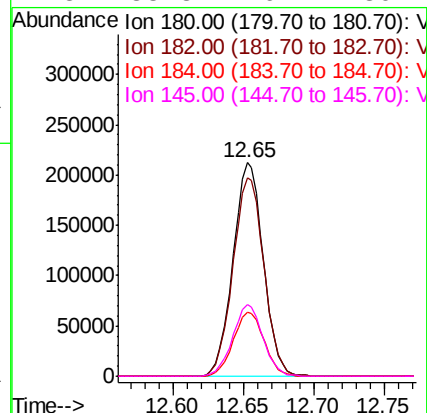
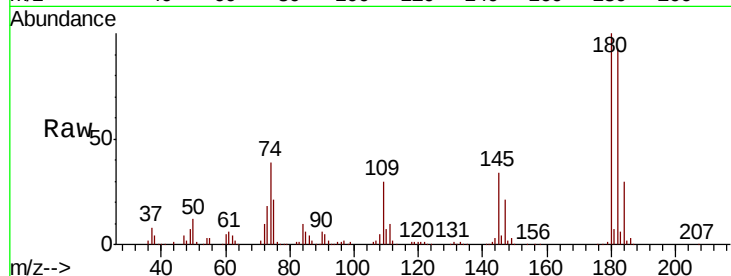




#67
 1,3,5-Trichlorobenzene
 Concen: 45.844 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VV019786.D
 Acq: 21 Dec 2020 19:30

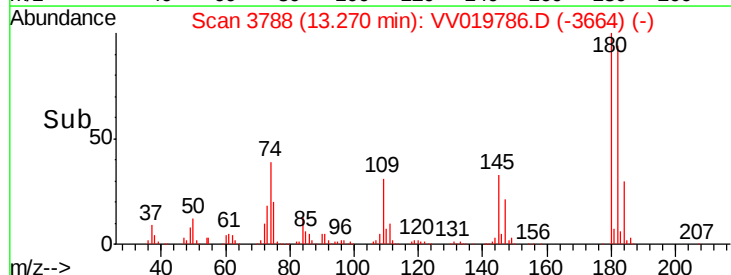
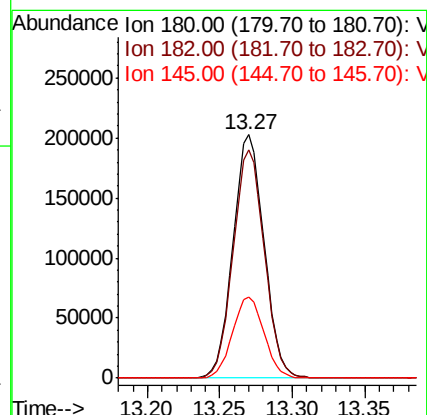
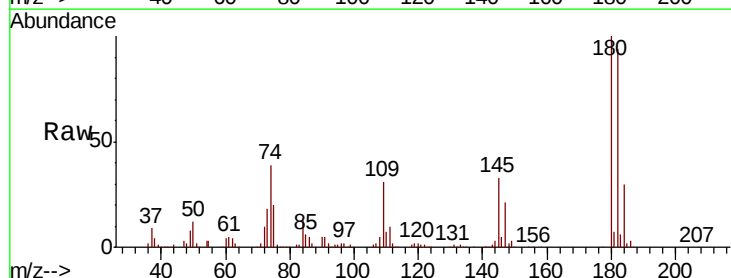
Instrument :
 MSVOA_V
 ClientSampleId :

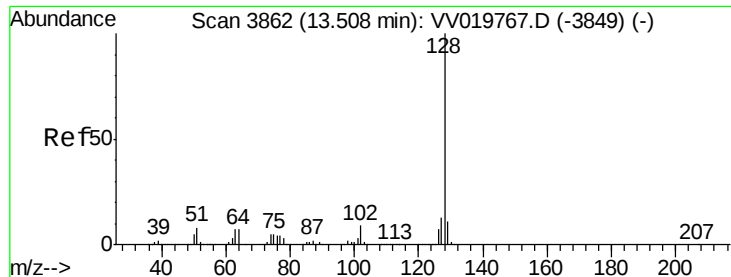
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.8	113.6
184	30.4	23.9	35.9
145	33.3	26.2	39.2



#68
 1,2,4-trichlorobenzene
 Concen: 46.350 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. -0.00 min
 Lab File: VV019786.D
 Acq: 21 Dec 2020 19:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.5	114.7
145	33.7	27.0	40.6





#69

Naphthalene

Concen: 46.478 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

Instrument :

MSVOA_V

ClientSampleId :

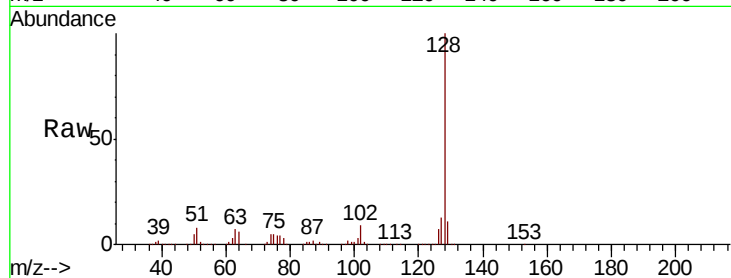
Tot Ion:128 Resp: 1049955

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

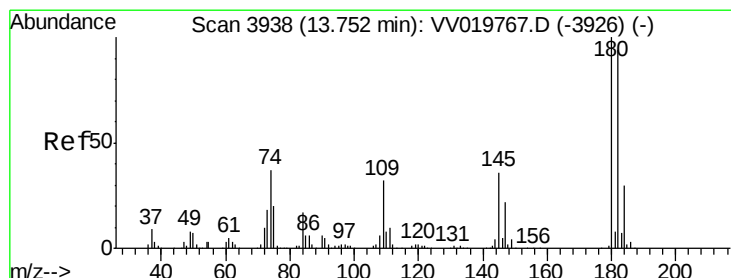
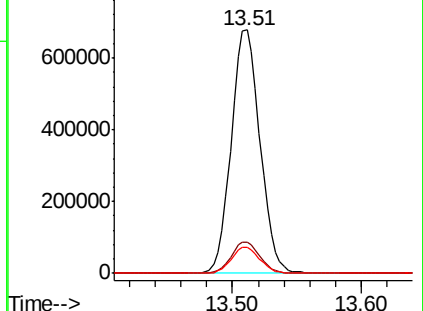
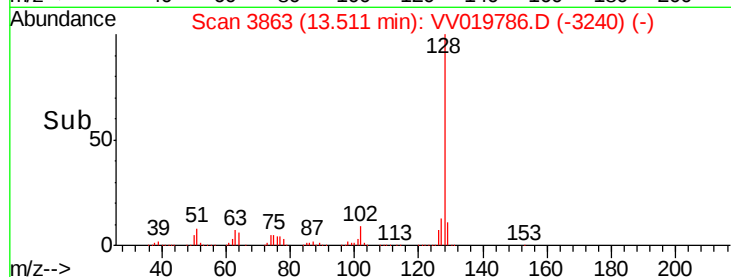
129 10.8 8.6 12.8



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: 47.239 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. -0.00 min

Lab File: VV019786.D

Acq: 21 Dec 2020 19:30

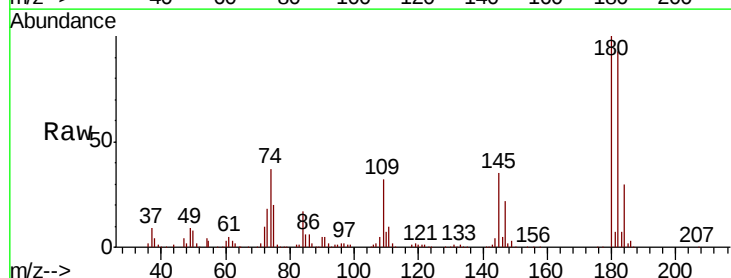
Tgt Ion:180 Resp: 300337

Ion Ratio Lower Upper

180 100

182 94.2 75.8 113.6

145 35.7 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

