

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\
 Data File : VV015621.D
 Acq On : 22 Apr 2020 14:54
 Operator : SY/MD
 Sample : VSTD02033
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 00:33:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 00:28:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	140491	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	134850	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	69608	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	149220	20.65	ug/L	0.00
7) Chloroethane-d5	1.58	69	139724	20.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	324560	21.13	ug/L	0.00
20) 2-Butanone-d5	3.91	46	506029	240.15	ug/L	-0.03
24) Chloroform-d	4.38	84	362174	22.33	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	195625	22.36	ug/L	0.00
32) Benzene-d6	5.07	84	667833	21.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	209798	22.05	ug/L	0.00
41) Toluene-d8	7.34	98	644243	22.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	89532	22.38	ug/L	0.00
46) 2-Hexanone-d5	8.11	63	437602	222.98	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	160561	21.62	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	239312	21.28	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	244880	18.207	ug/L 99
3) Chloromethane	1.25	50	207913	16.500	ug/L 98
5) Vinyl chloride	1.32	62	226420	18.368	ug/L 99
6) Bromomethane	1.53	94	107350	16.428	ug/L 97
8) Chloroethane	1.59	64	141029	19.060	ug/L 99
9) Trichlorofluoromethane	1.76	101	320266	19.966	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	182798	20.022	ug/L 98
12) 1,1-Dichloroethene	2.13	96	166123	19.126	ug/L 99
13) Acetone	2.19	43	310470	209.844	ug/L 98
14) Carbon disulfide	2.31	76	498651	17.220	ug/L 100
15) Methyl Acetate	2.45	43	78760	18.059	ug/L 98
16) Methylene chloride	2.52	84	187390	18.301	ug/L 99
17) Methyl tert-butyl Ether	2.78	73	478084	20.411	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	188073	19.365	ug/L 99
19) 1,1-Dichloroethane	3.21	63	371326	20.055	ug/L 100
21) 2-Butanone	3.99	43	533295	222.167	ug/L 99
22) cis-1,2-Dichloroethene	3.94	96	207390	20.367	ug/L 98
23) Bromochloromethane	4.27	128	85337	20.177	ug/L 100
25) Chloroform	4.40	83	384795	20.198	ug/L 98
27) 1,2-Dichloroethane	5.15	62	255040	20.691	ug/L 99
29) 1,1,1-Trichloroethane	4.63	97	352267	20.196	ug/L 100
30) Cyclohexane	4.70	56	339733	18.749	ug/L 99
31) Carbon tetrachloride	4.85	117	296271	19.742	ug/L 99
33) Benzene	5.13	78	791189	19.791	ug/L 100
34) Trichloroethene	5.94	95	214671	19.812	ug/L 98
35) Methylcyclohexane	6.15	83	343971	19.298	ug/L 99
37) 1,2-Dichloropropane	6.20	63	202793	20.366	ug/L 100
38) Bromodichloromethane	6.53	83	267526	20.435	ug/L 99
39) cis-1,3-Dichloropropene	7.05	75	309232	20.676	ug/L 99
40) 4-Methyl-2-pentanone	7.25	43	1321651	202.443	ug/L 99

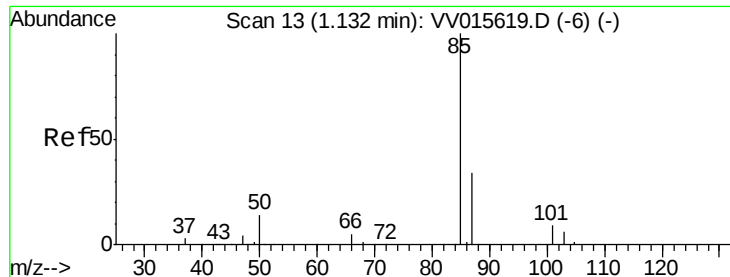
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\
 Data File : VV015621.D
 Acq On : 22 Apr 2020 14:54
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Quant Time: Apr 23 00:33:16 2020
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 00:28:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	862549	19.945	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	267573	21.051	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	136512	20.258	ug/L	99
47) Tetrachloroethene	8.00	164	157422	19.768	ug/L	98
48) 2-Hexanone	8.16	43	944369	206.056	ug/L	99
49) Dibromochloromethane	8.27	129	158931	20.367	ug/L	99
50) 1,2-Dibromoethane	8.37	107	129637	20.225	ug/L	98
51) Chlorobenzene	8.90	112	547275	19.791	ug/L	98
52) Ethylbenzene	9.03	91	1007384	20.268	ug/L	100
53) m,p-xylene	9.16	106	378100	20.196	ug/L	99
54) o-xylene	9.57	106	364076	20.073	ug/L	97
55) Styrene	9.58	104	632987	20.720	ug/L	98
56) Isopropylbenzene	9.95	105	1014312	20.339	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	163004	20.133	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	126017	20.401	ug/L	99
61) Bromoform	9.75	173	72368	19.112	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	449306	20.232	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	449019	19.838	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	408444	20.071	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	29504	19.506	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	339933	21.134	ug/L	97
68) 1,2,4-trichlorobenzene	13.28	180	309028	21.096	ug/L	99
69) Naphthalene	13.52	128	563429	20.740	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	270483	20.979	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 18.207 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

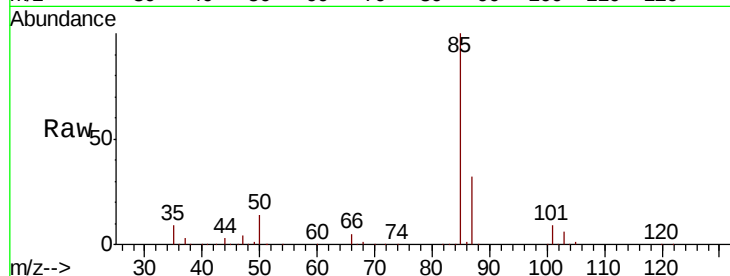
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 244880

Ion Ratio Lower Upper

85 100

87 32.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV015621.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV015621.D (-1) (-)

1.14

250000

200000

150000

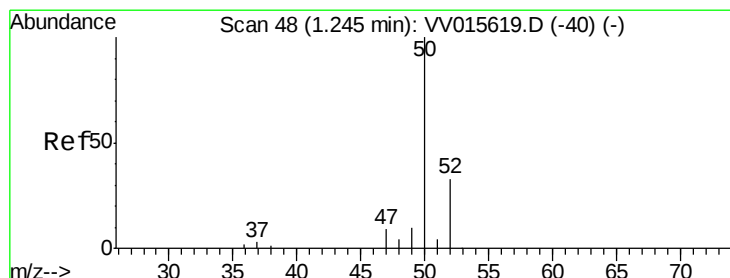
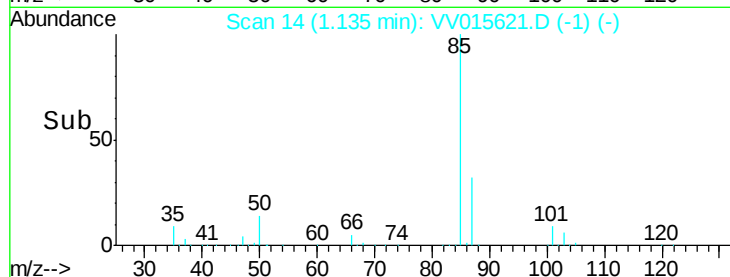
100000

50000

0

Time-->

1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 16.500 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015621.D

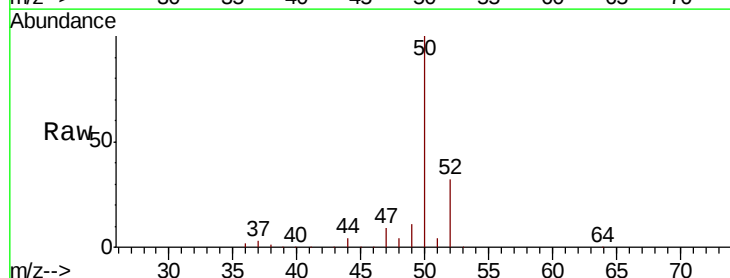
Acq: 22 Apr 2020 14:54

Tgt Ion: 50 Resp: 207913

Ion Ratio Lower Upper

50 100

52 31.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015621.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV015621.D (-1) (-)

1.25

200000

150000

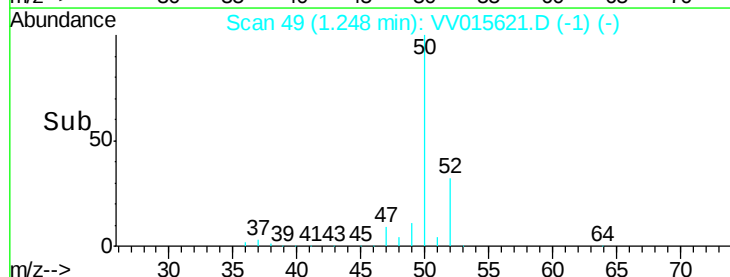
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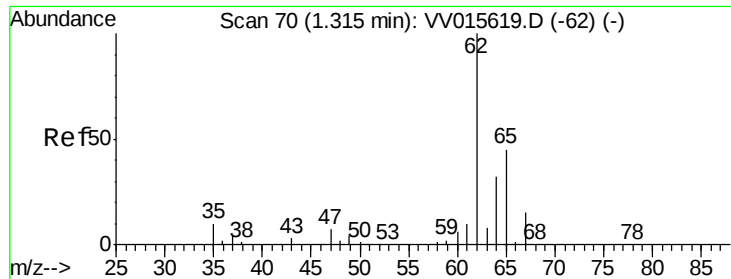
50000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 18.368 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

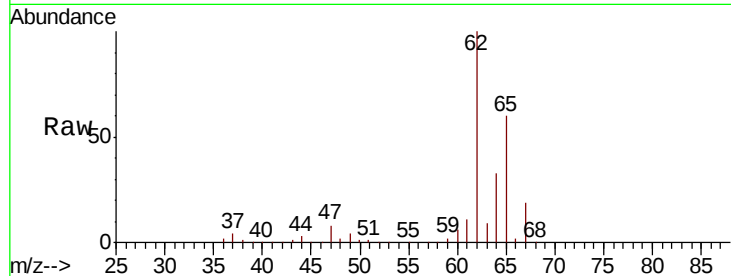
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 226420

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

250000

200000

150000

100000

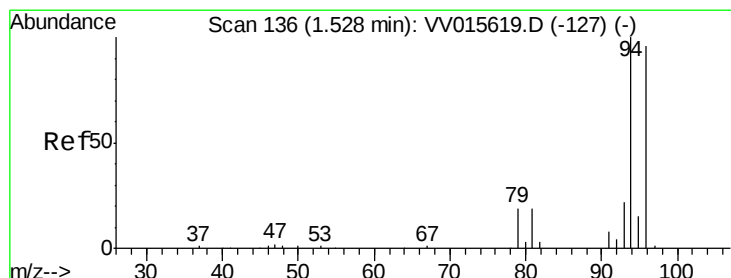
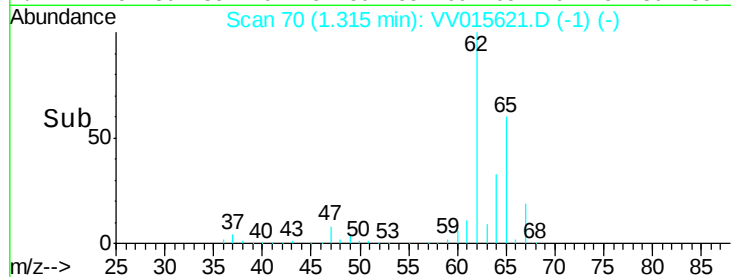
50000

0

1.30

1.40

Time-->



#6

Bromomethane

Concen: 16.428 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015621.D

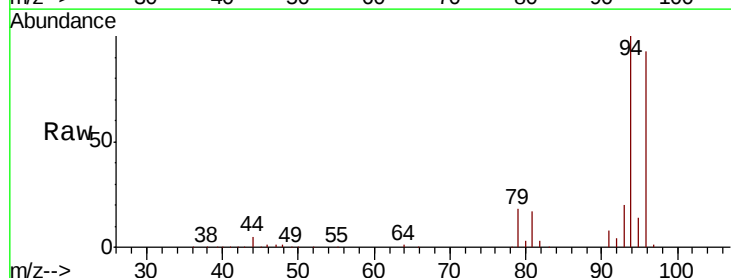
Acq: 22 Apr 2020 14:54

Tgt Ion: 94 Resp: 107350

Ion Ratio Lower Upper

94 100

96 93.3 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

100000

80000

60000

40000

20000

0

1.45

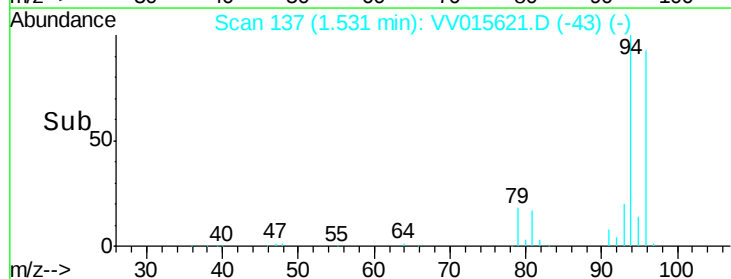
1.50

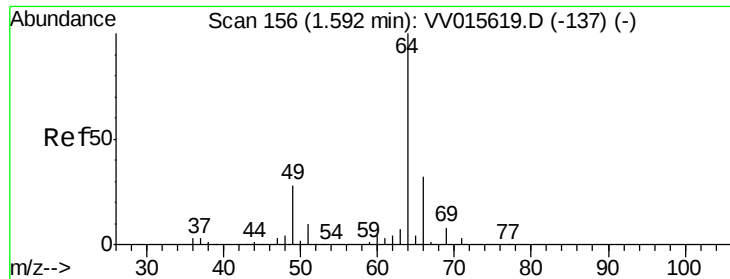
1.55

1.60

1.65

Time-->

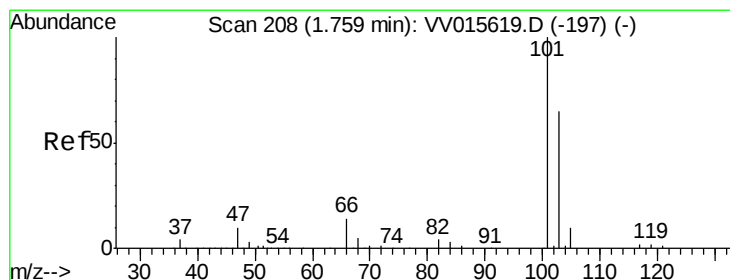
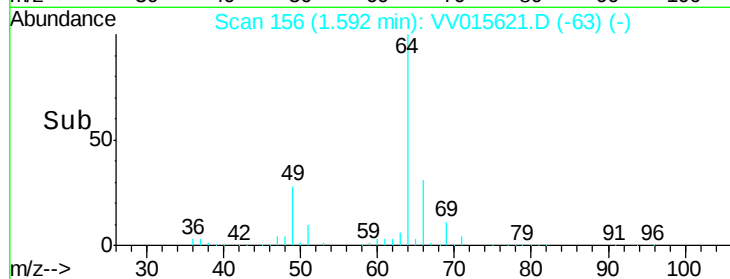
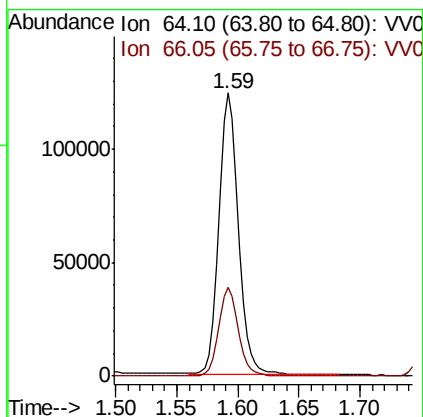
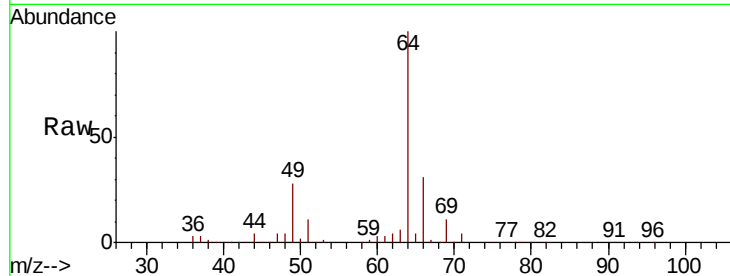




#8
Chloroethane
Concen: 19.060 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV015621.D
Acq: 22 Apr 2020 14:54

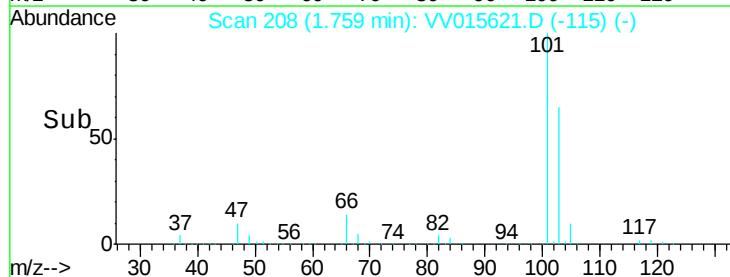
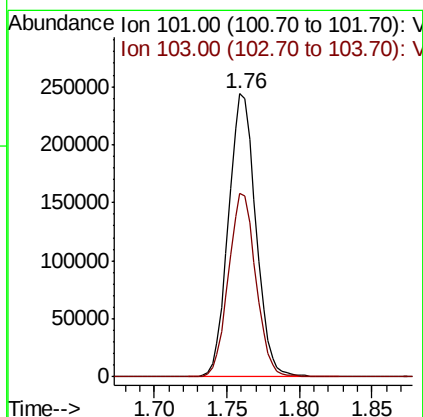
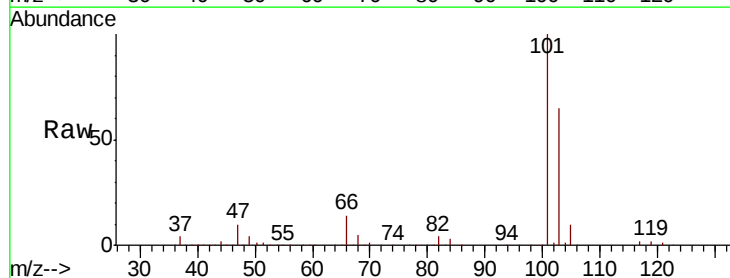
Instrument :
MSVOA_V
ClientSampleId :

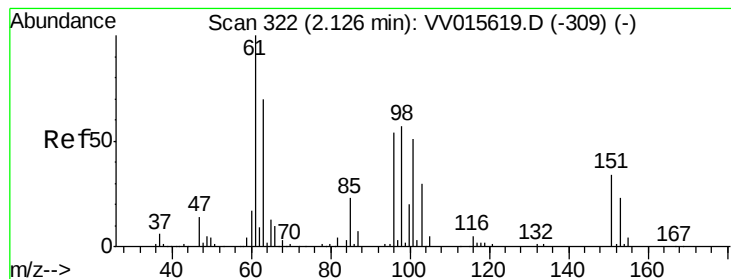
Tot Ion: 64 Resp: 141029
Ion Ratio Lower Upper
64 100
66 31.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 19.966 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV015621.D
Acq: 22 Apr 2020 14:54

Tgt Ion:101 Resp: 320266
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5





#10

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

Concen: 20.022 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

Instrument :

MSVOA_V

ClientSampled :

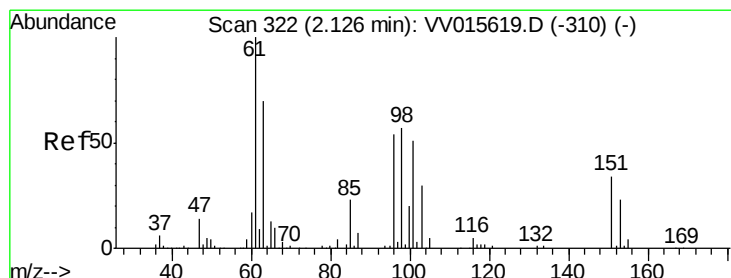
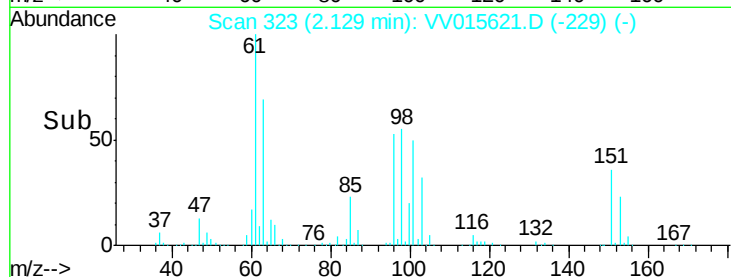
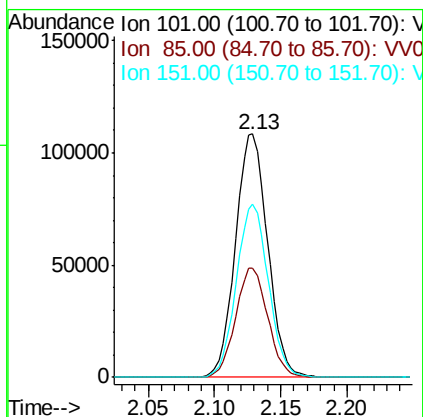
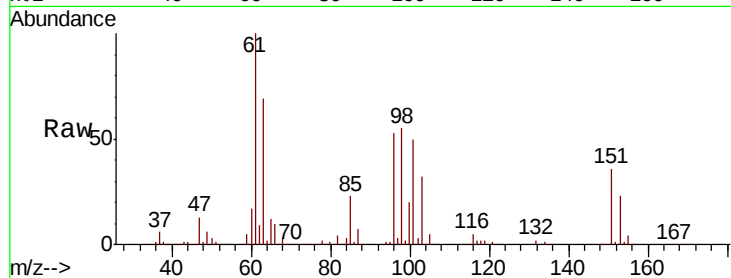
Tot Ion:101 Resp: 182798

Ion Ratio Lower Upper

101 100

85 44.9 36.1 54.1

151 71.1 55.2 82.8



#12

1,1-Dichloroethene

Concen: 19.126 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

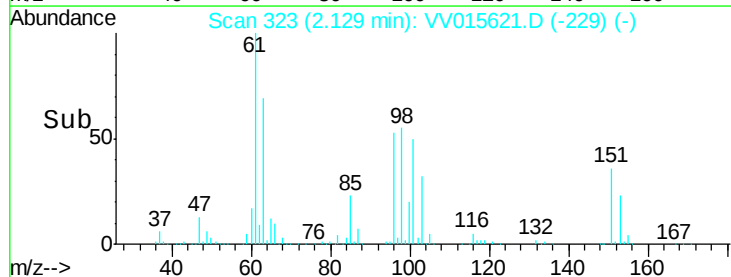
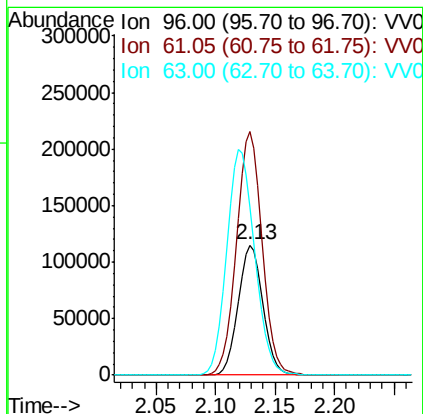
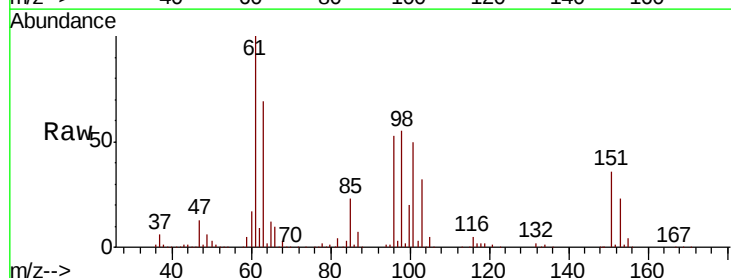
Tgt Ion: 96 Resp: 166123

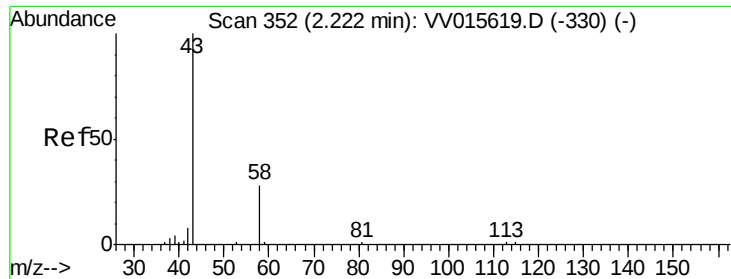
Ion Ratio Lower Upper

96 100

61 187.3 130.1 241.7

63 129.5 91.4 169.8





#13

Acetone

Concen: 209.844 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.03 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

Instrument :

MSVOA_V

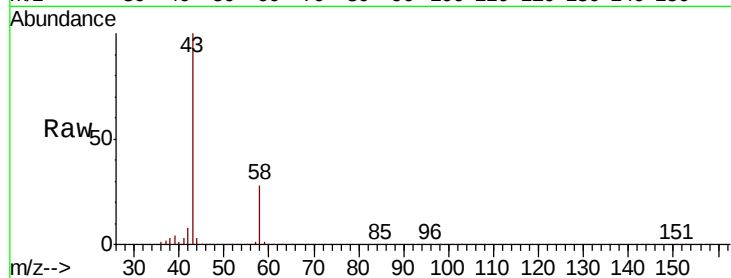
ClientSampled :

Tot Ion: 43 Resp: 310470

Ion Ratio Lower Upper

43 100

58 28.0 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

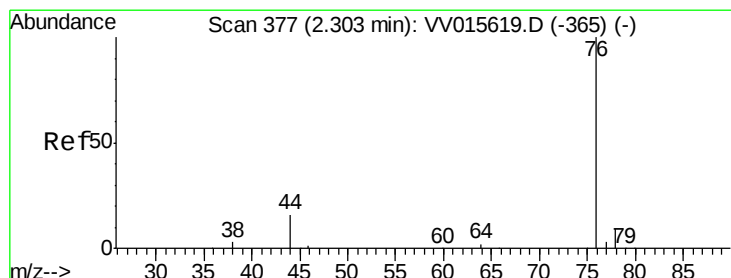
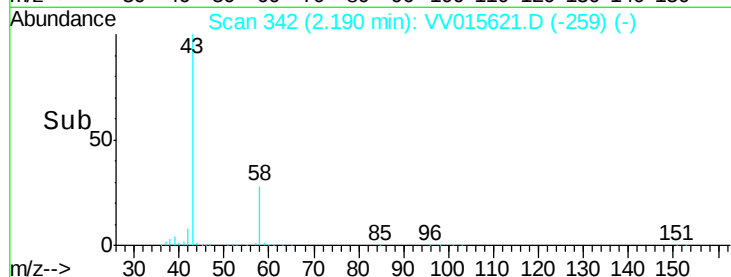
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 17.220 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015621.D

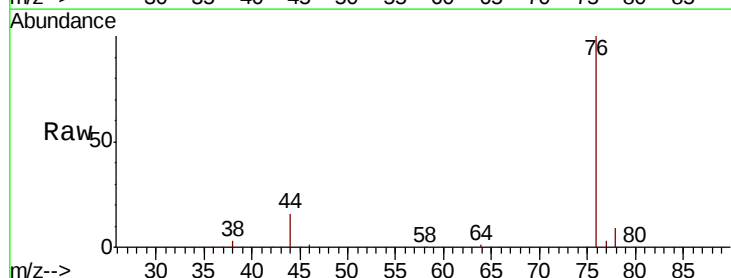
Acq: 22 Apr 2020 14:54

Tgt Ion: 76 Resp: 498651

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

400000

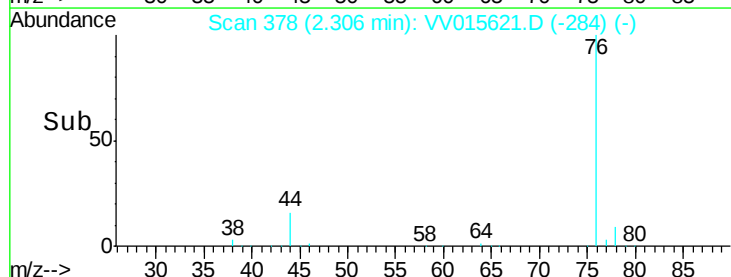
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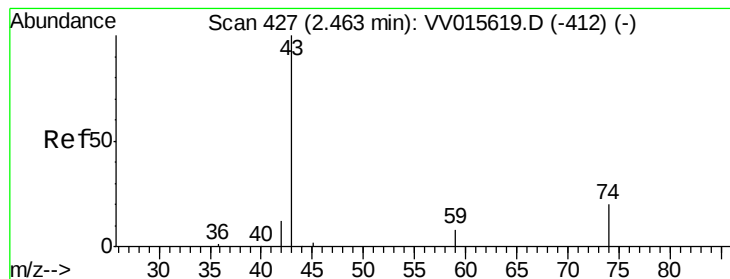
200000

100000

0

Time-->





#15

Methvl Acetate

Concen: 18.059 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.02 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

Instrument :

MSVOA_V

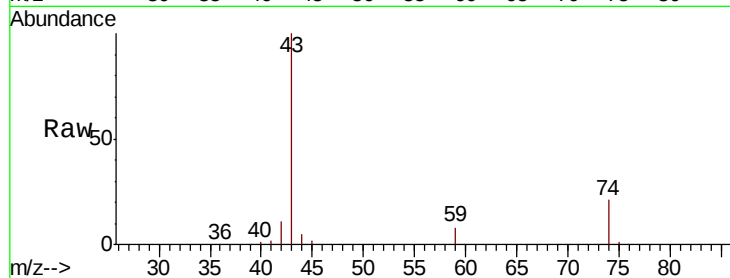
ClientSampleId :

Tot Ion: 43 Resp: 78760

Ion Ratio Lower Upper

43 100

74 21.3 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.45

50000

40000

30000

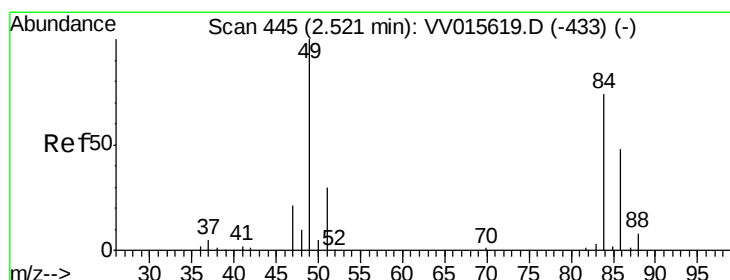
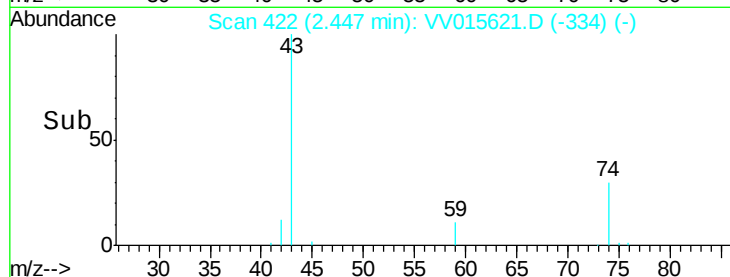
20000

10000

0

Time-->

2.35 2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 18.301 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

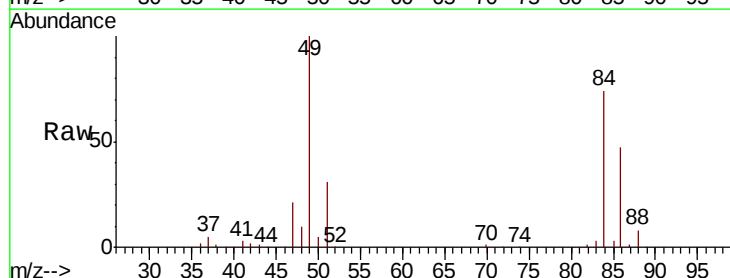
Tgt Ion: 84 Resp: 187390

Ion Ratio Lower Upper

84 100

86 64.2 45.1 83.7

49 135.7 94.4 175.4



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

200000

150000

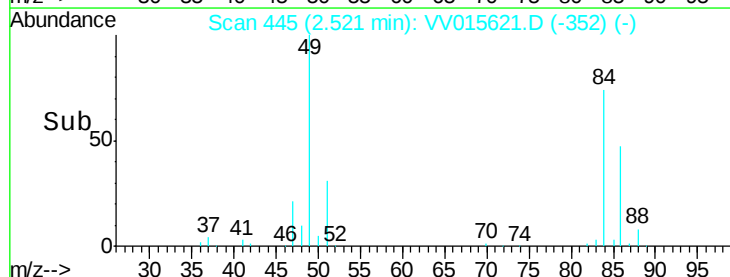
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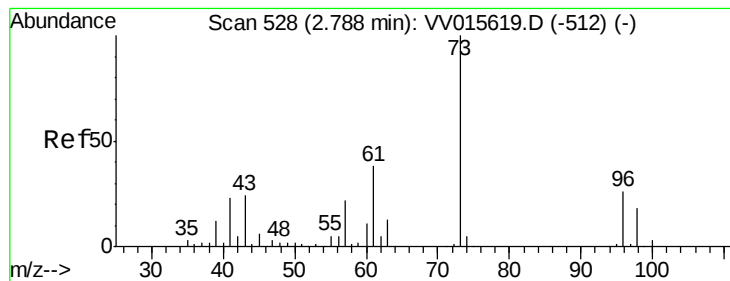
50000

0

Time-->

2.50 2.55 2.60



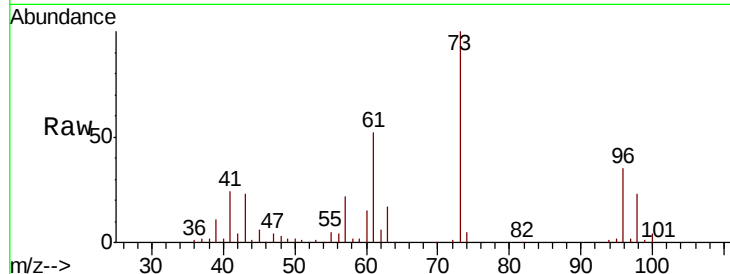


#17

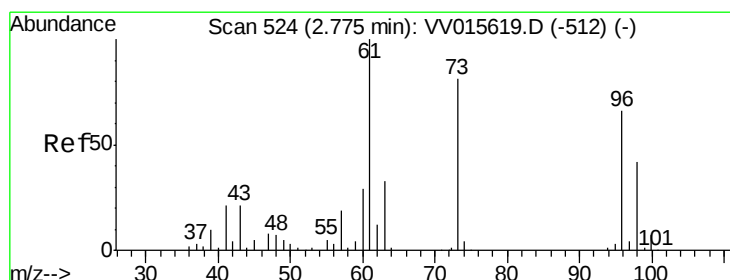
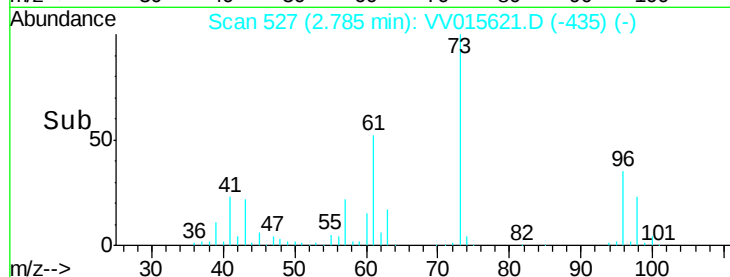
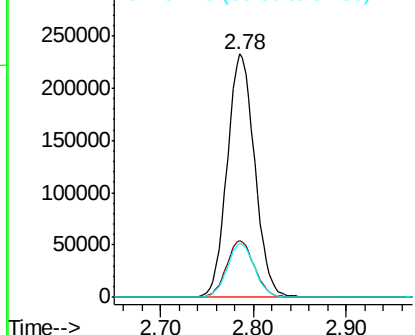
Methvl tert-butvl Ether
 Concen: 20.411 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 73 Resp: 478084
 Ion Ratio Lower Upper
 73 100
 43 23.4 20.1 30.1
 57 22.1 17.8 26.8



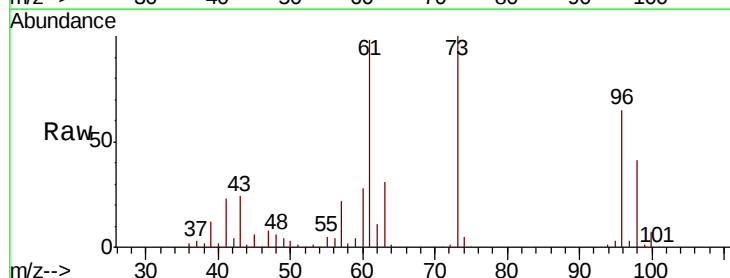
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



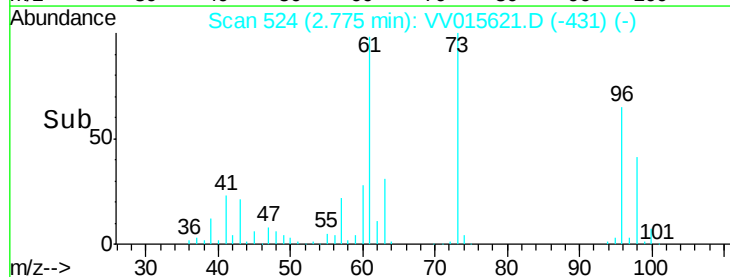
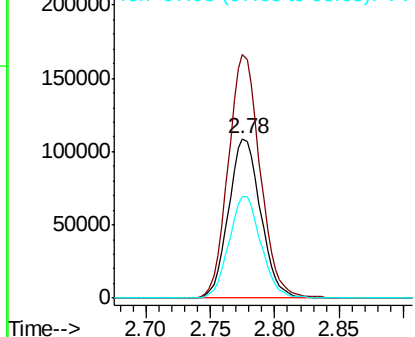
#18

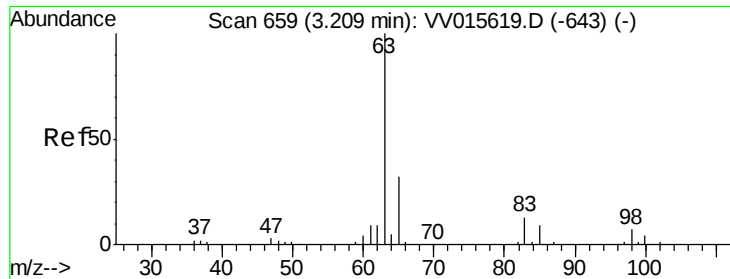
trans-1,2-Dichloroethene
 Concen: 19.365 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

Tgt Ion: 96 Resp: 188073
 Ion Ratio Lower Upper
 96 100
 61 152.5 105.5 195.9
 98 63.7 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

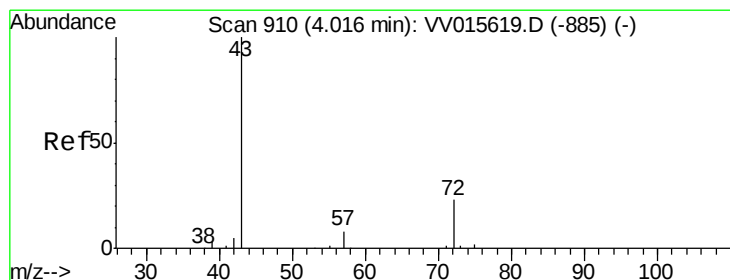
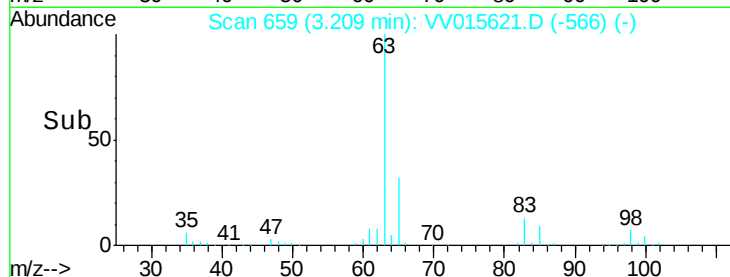
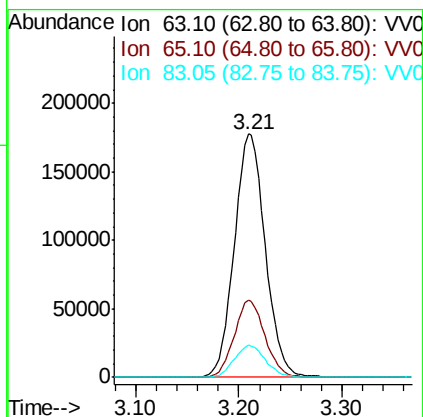
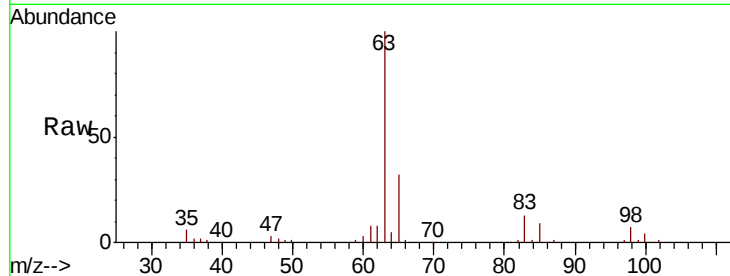




#19
 1,1-Dichloroethane
 Concen: 20.055 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

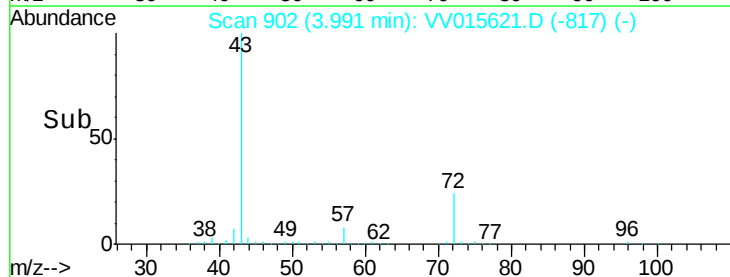
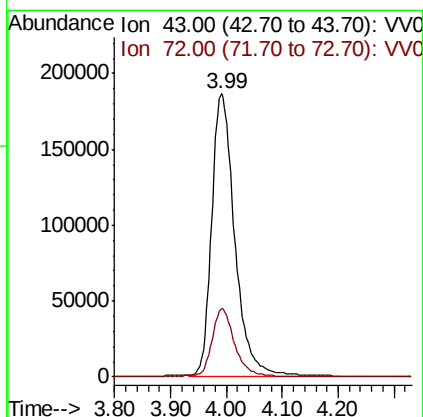
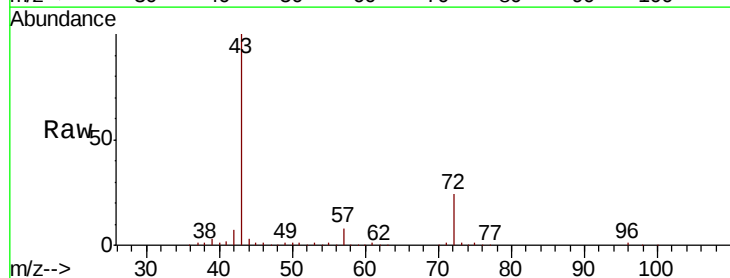
Instrument :
 MSVOA_V
 ClientSampleId :

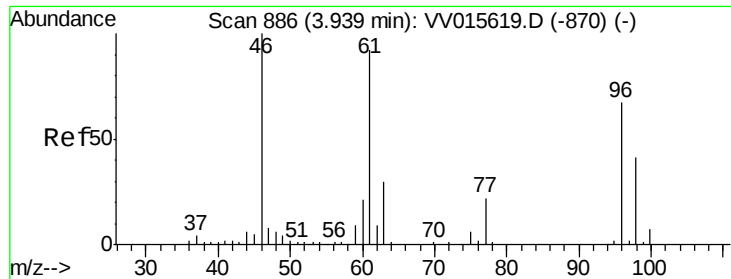
Tot Ion: 63 Resp: 371326
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 41.3
 83 13.1 9.3 17.3



#21
 2-Butanone
 Concen: 222.167 ug/L
 RT: 3.99 min Scan# 902
 Delta R.T. -0.03 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

Tgt Ion: 43 Resp: 533295
 Ion Ratio Lower Upper
 43 100
 72 24.2 12.3 36.9



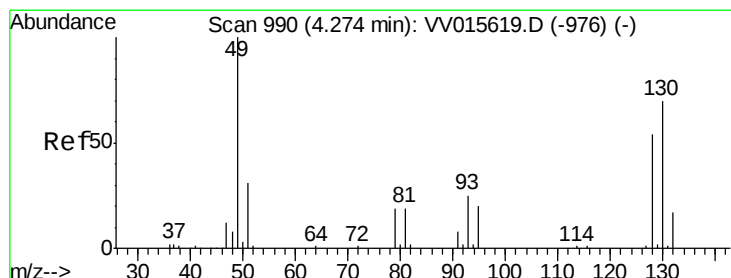
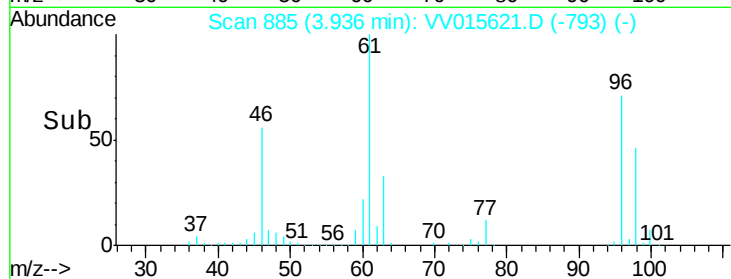
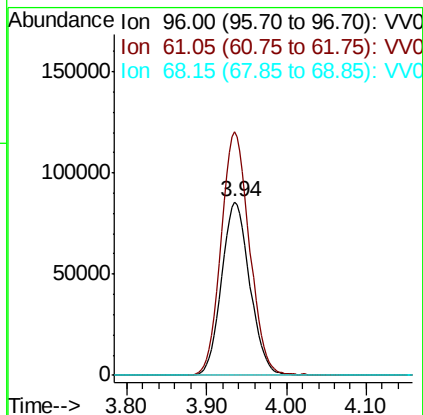
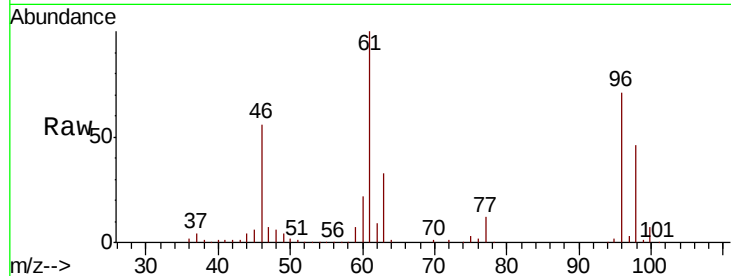


#22

cis-1,2-Dichloroethene
 Concen: 20.367 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

Instrument :
 MSVOA_V
 ClientSampled :

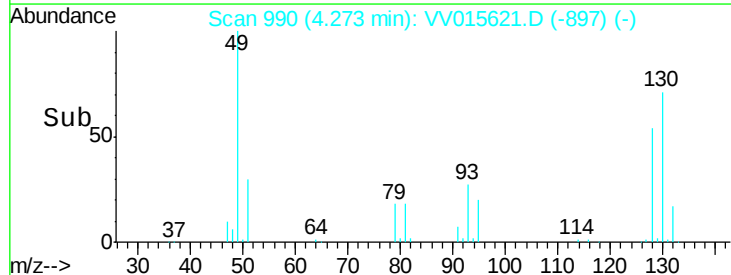
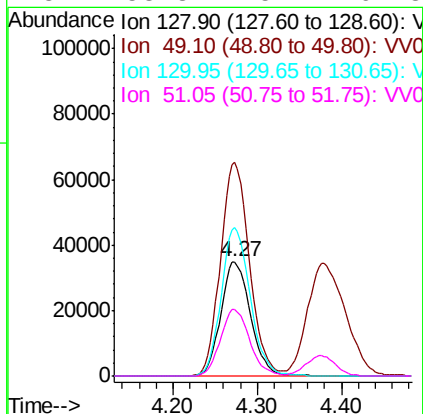
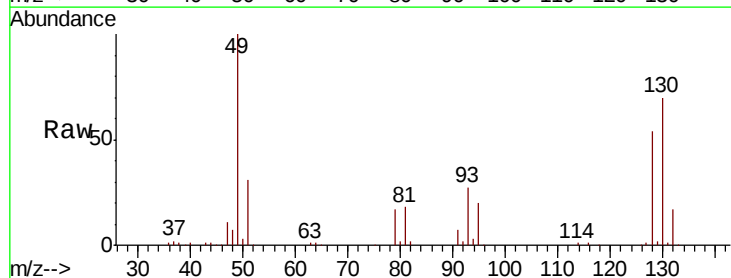
Tot Ion: 96 Resp: 207390
 Ion Ratio Lower Upper
 96 100
 61 140.3 96.4 179.0
 68 0.0 0.0 0.0

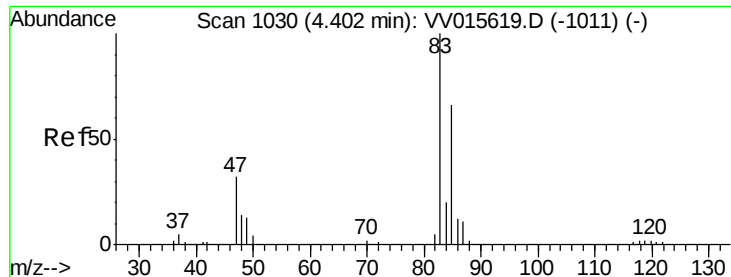


#23

Bromochloromethane
 Concen: 20.177 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

Tgt Ion: 128 Resp: 85337
 Ion Ratio Lower Upper
 128 100
 49 186.9 130.8 242.8
 130 130.3 91.1 169.3
 51 58.3 45.2 67.8

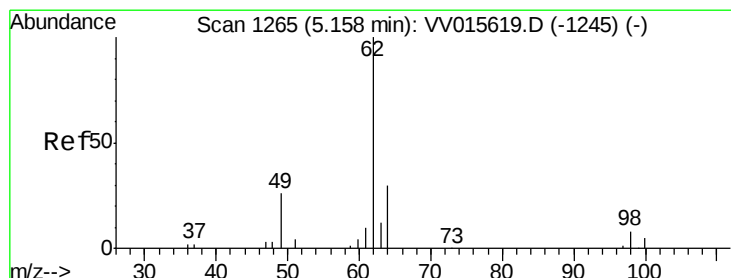
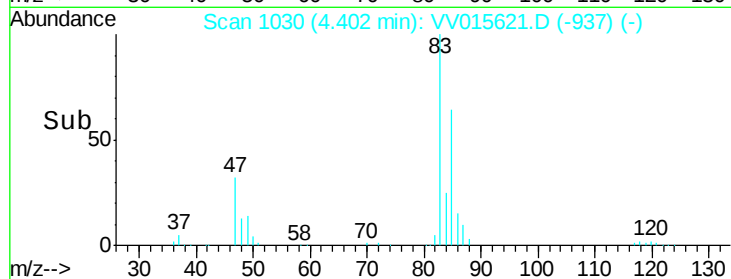
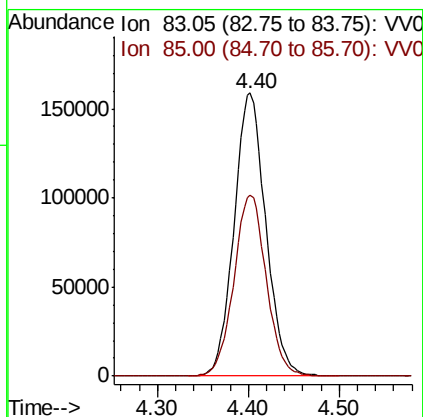
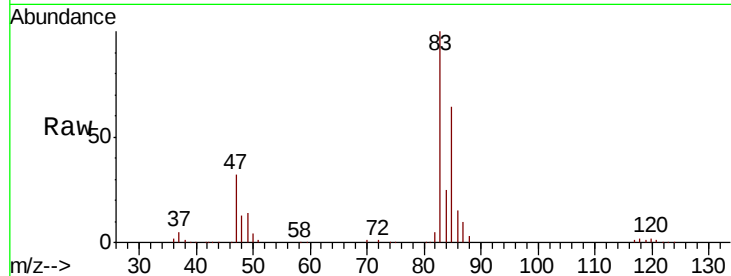




#25
Chloroform
Concen: 20.198 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015621.D
Acq: 22 Apr 2020 14:54

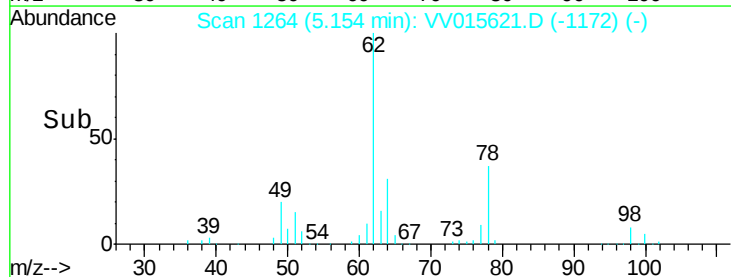
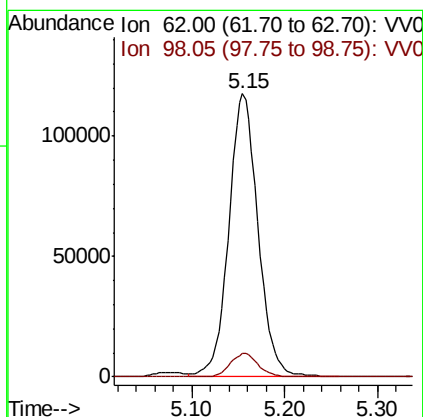
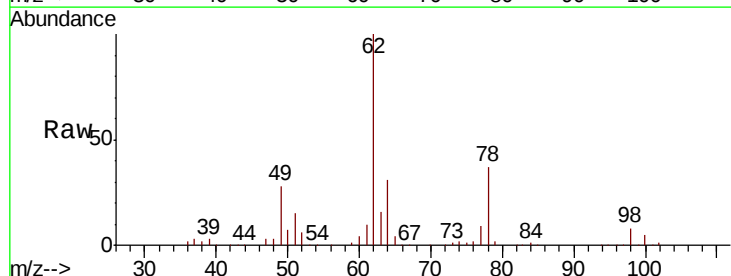
Instrument :
MSVOA_V
ClientSampleId :

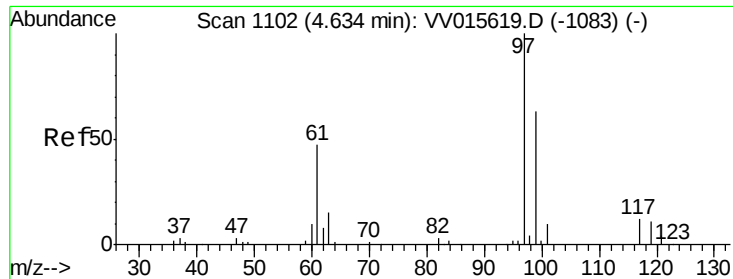
Tot Ion: 83 Resp: 384795
Ion Ratio Lower Upper
83 100
85 64.1 46.1 85.5



#27
1,2-Dichloroethane
Concen: 20.691 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015621.D
Acq: 22 Apr 2020 14:54

Tgt Ion: 62 Resp: 255040
Ion Ratio Lower Upper
62 100
98 8.1 6.3 9.5

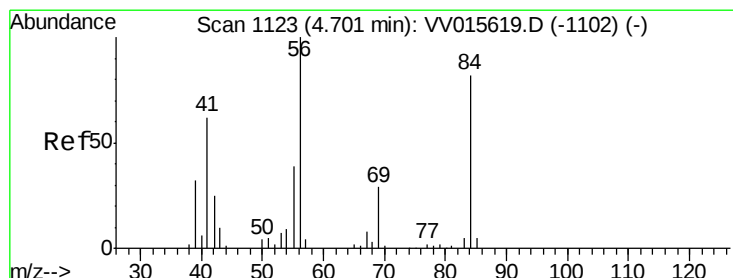
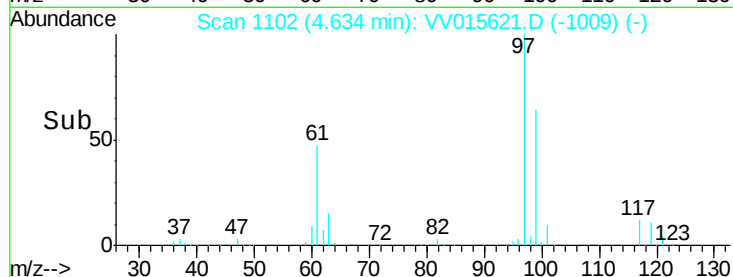
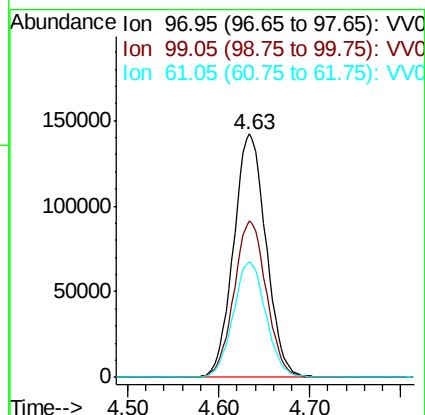
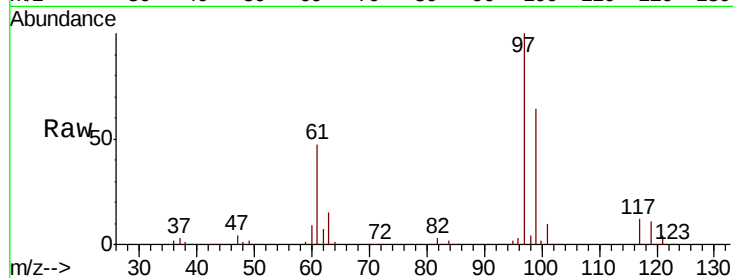




#29
1,1,1-Trichloroethane
Concen: 20.196 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV015621.D
Acq: 22 Apr 2020 14:54

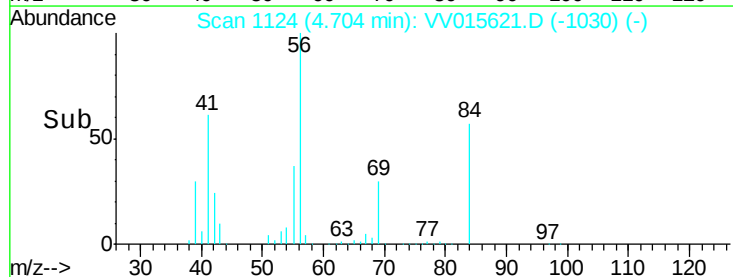
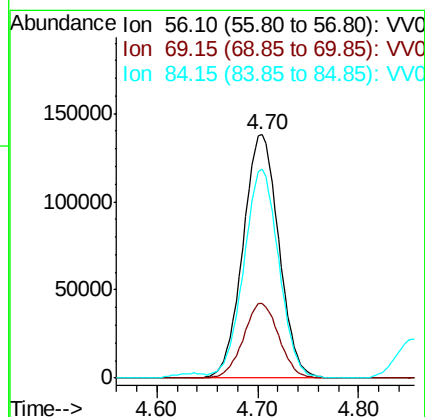
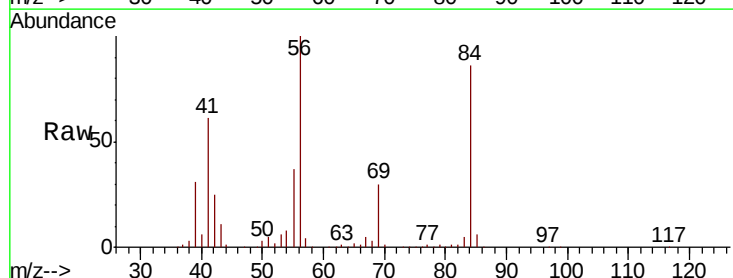
Instrument :
MSVOA_V
ClientSampleId :

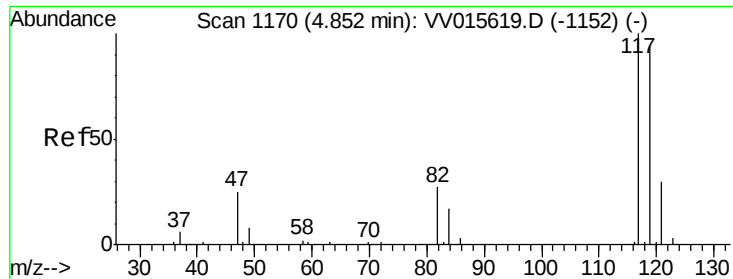
Tot Ion: 97 Resp: 352267
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 47.9 38.6 57.8



#30
Cyclohexane
Concen: 18.749 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015621.D
Acq: 22 Apr 2020 14:54

Tgt Ion: 56 Resp: 339733
Ion Ratio Lower Upper
56 100
69 30.3 23.9 35.9
84 84.4 66.9 100.3





#31

Carbon tetrachloride

Concen: 19.742 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

Instrument :

MSVOA_V

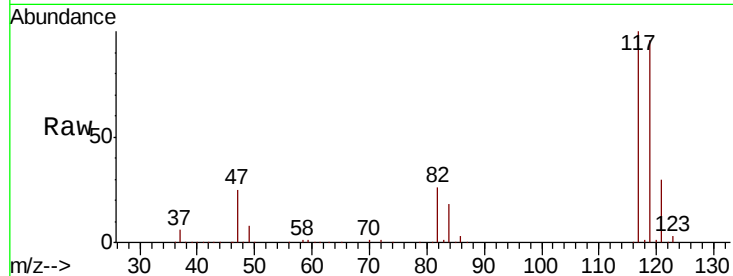
ClientSampled :

Tot Ion:117 Resp: 296271

Ion Ratio Lower Upper

117 100

119 95.4 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.85

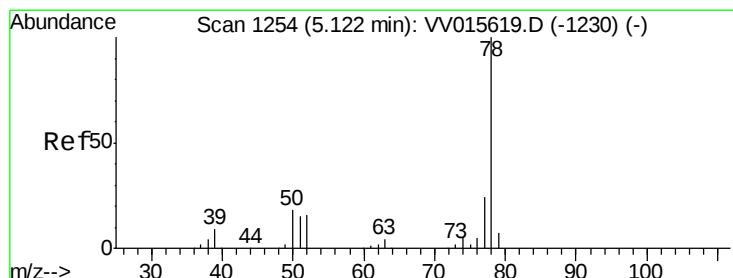
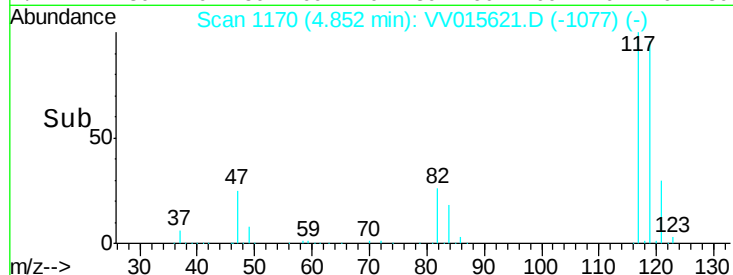
100000

50000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 19.791 ug/L

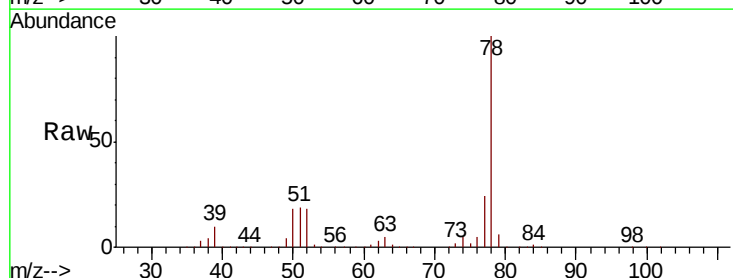
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

Tgt Ion: 78 Resp: 791189



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.13

400000

300000

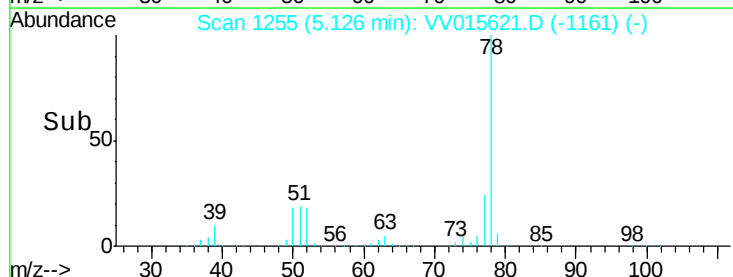
200000

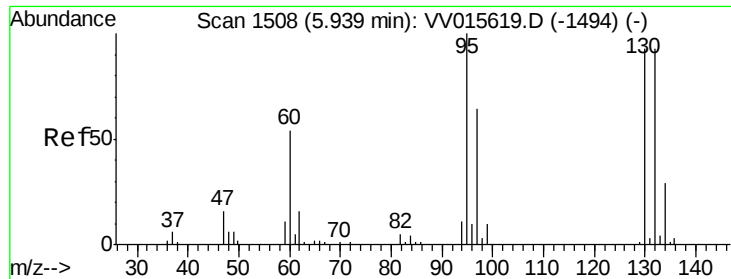
100000

0

Time-->

5.00 5.10 5.20 5.30

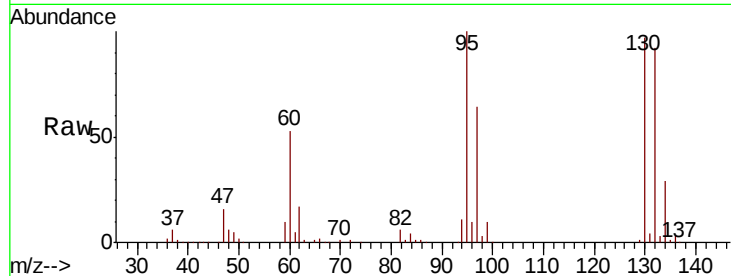




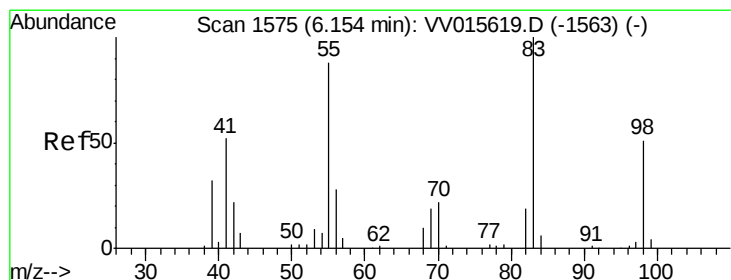
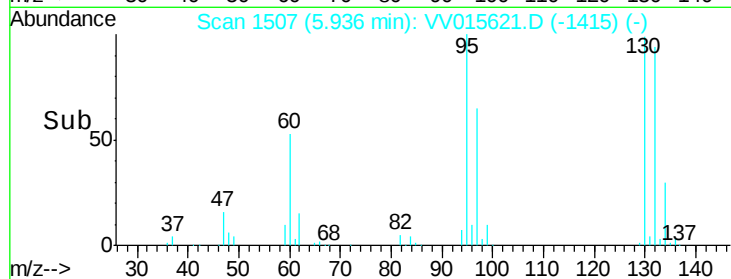
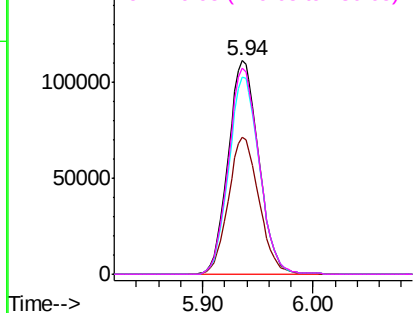
#34
 Trichloroethene
 Concen: 19.812 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 214671
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.7 82.9
 132 92.3 65.2 121.0
 130 96.6 65.0 120.6

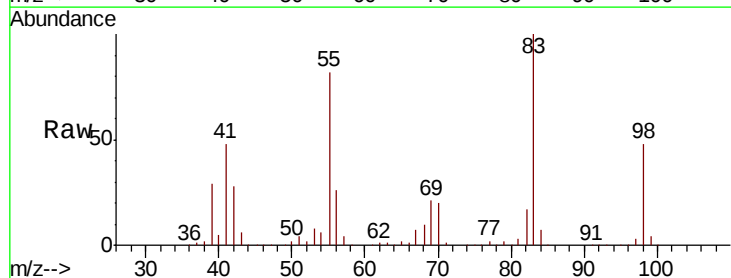


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

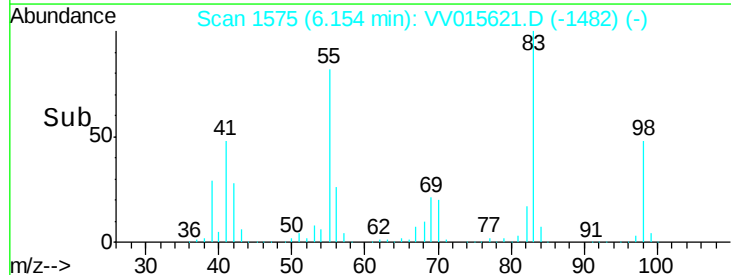
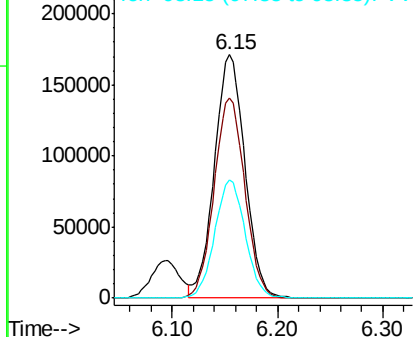


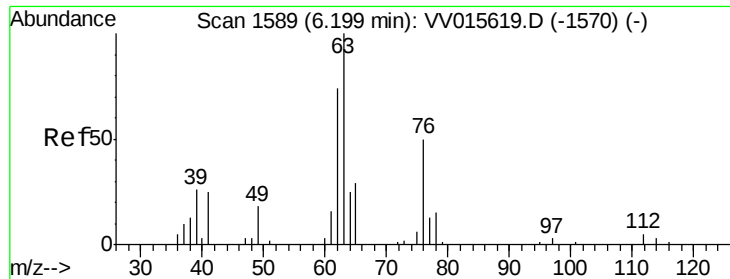
#35
 Methylcyclohexane
 Concen: 19.298 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

Tgt Ion: 83 Resp: 343971
 Ion Ratio Lower Upper
 83 100
 55 82.7 66.6 99.8
 98 48.8 39.5 59.3



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

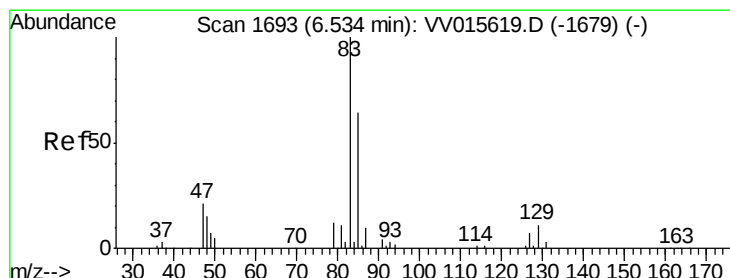
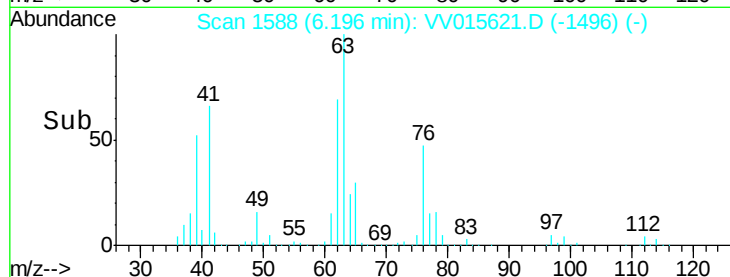
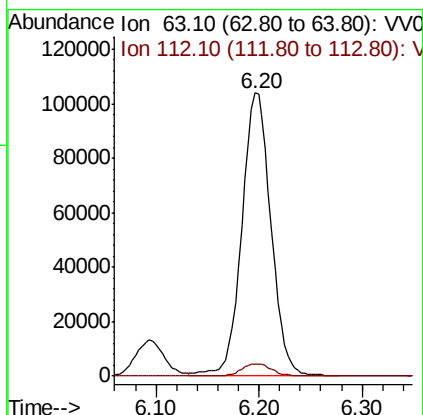
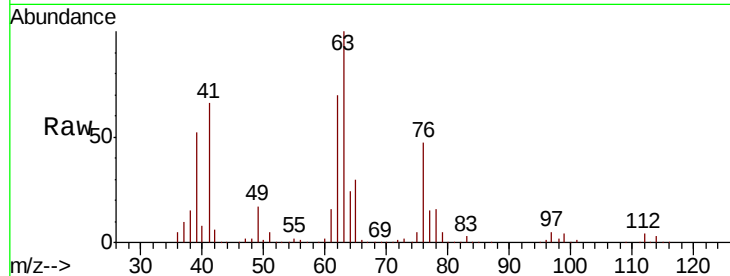




#37
 1,2-Dichloropropane
 Concen: 20.366 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

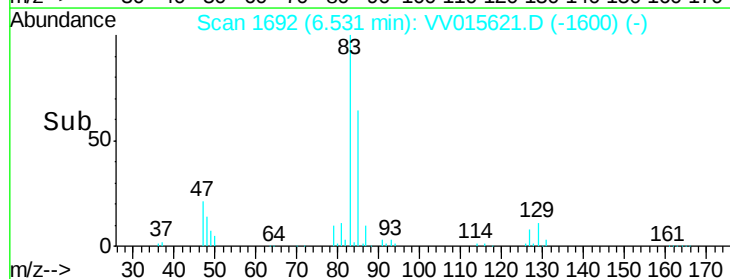
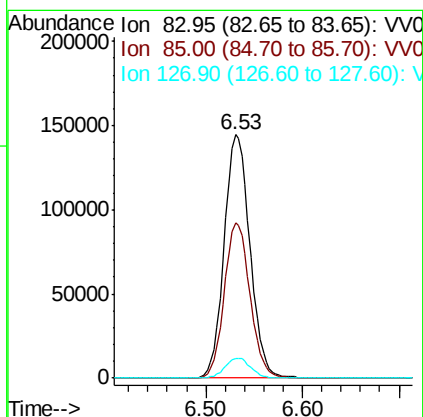
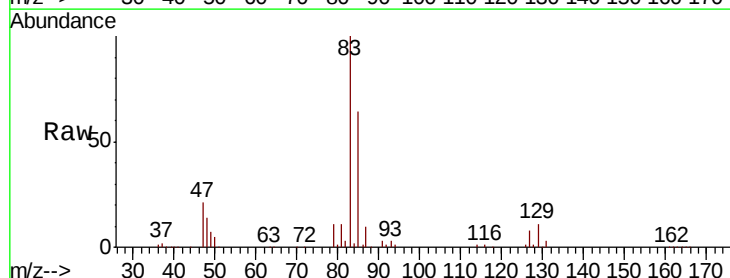
Instrument :
 MSVOA_V
 ClientSampleId :

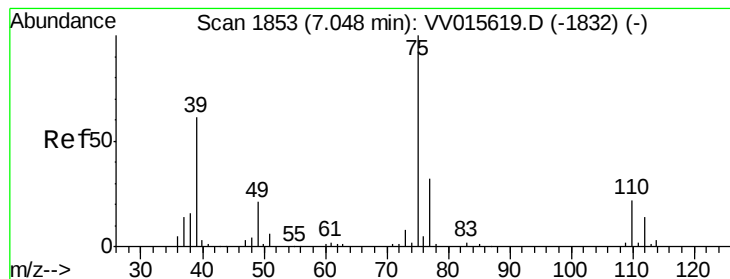
Tot Ion: 63 Resp: 202793
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 20.435 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

Tgt Ion: 83 Resp: 267526
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.7 83.1
 127 8.2 5.8 8.6



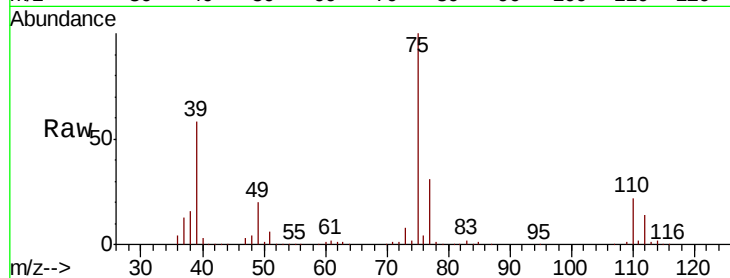


#39

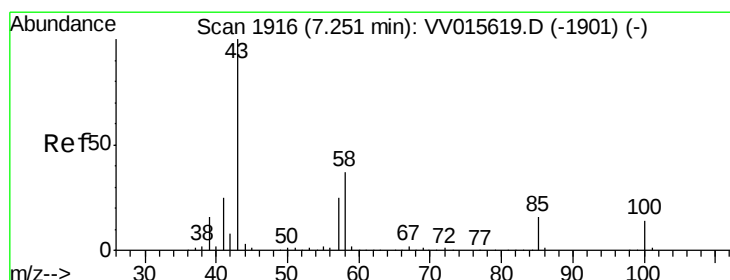
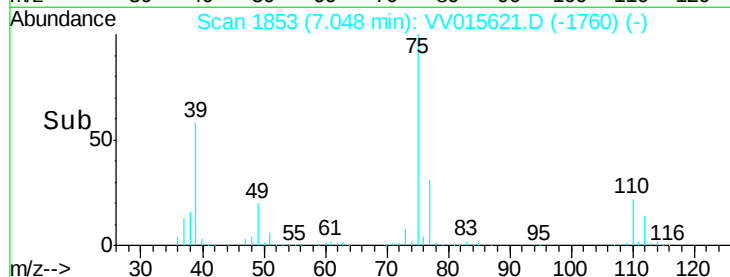
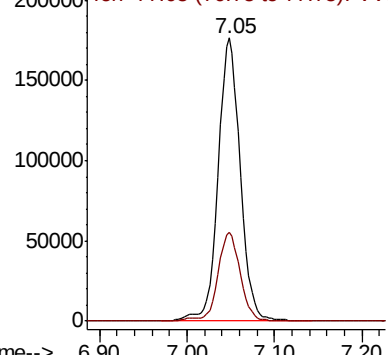
cis-1,3-Dichloropropene
Concen: 20.676 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV015621.D
Acq: 22 Apr 2020 14:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 309232
Ion Ratio Lower Upper
75 100
77 31.4 22.3 41.5



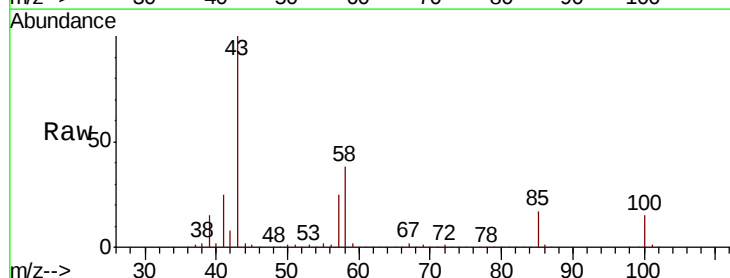
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



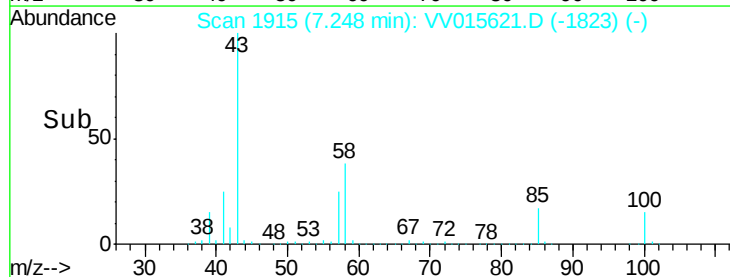
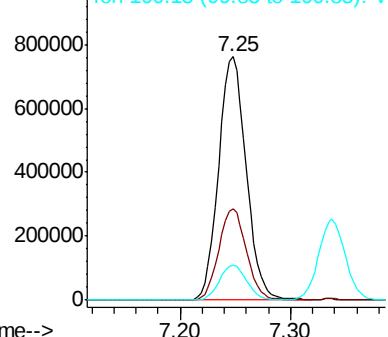
#40

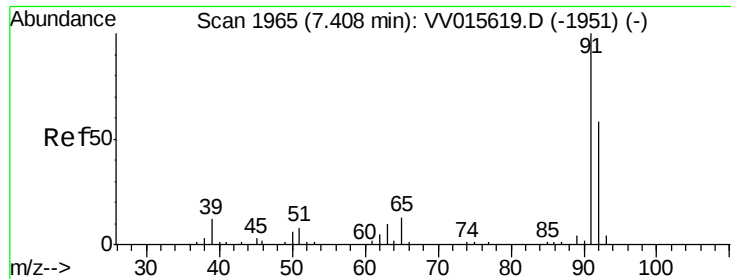
4-Methyl-2-pentanone
Concen: 202.443 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VV015621.D
Acq: 22 Apr 2020 14:54

Tgt Ion: 43 Resp: 1321651
Ion Ratio Lower Upper
43 100
58 37.4 29.2 43.8
100 14.3 11.4 17.2



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 19.945 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

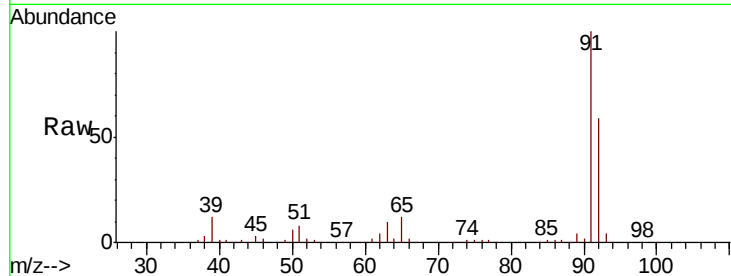
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 862549

Ion Ratio Lower Upper

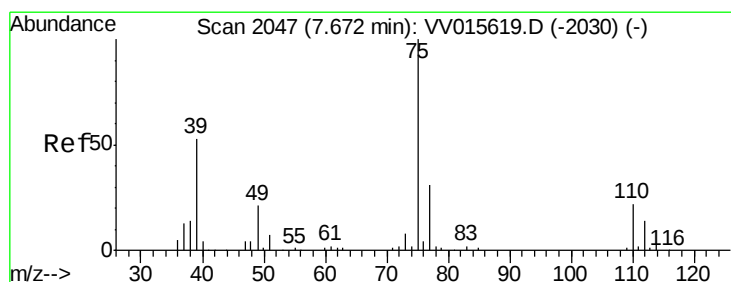
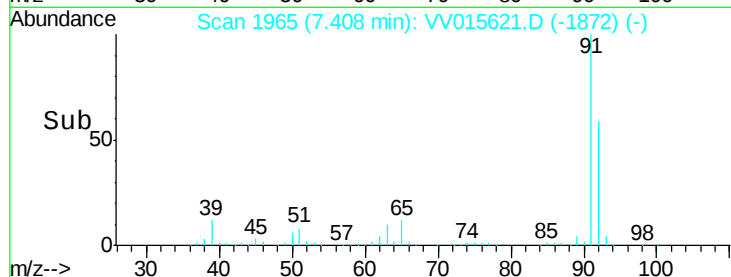
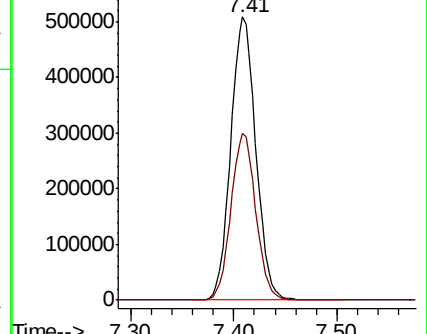
91 100

92 58.8 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 21.051 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015621.D

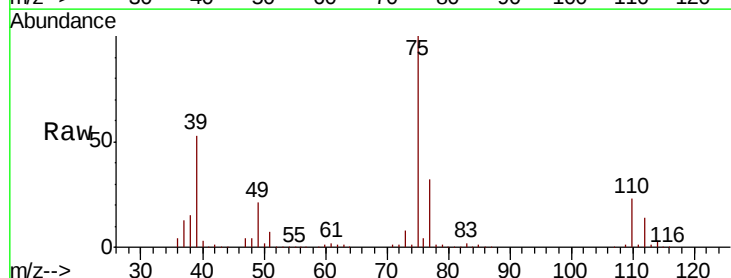
Acq: 22 Apr 2020 14:54

Tgt Ion: 75 Resp: 267573

Ion Ratio Lower Upper

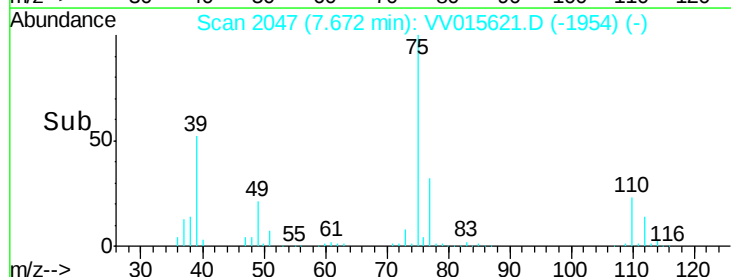
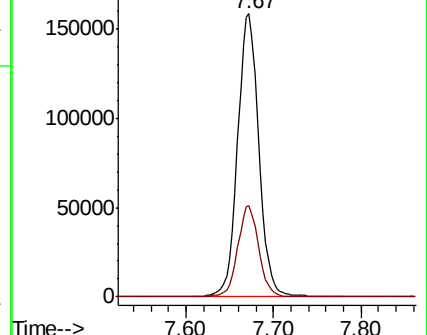
75 100

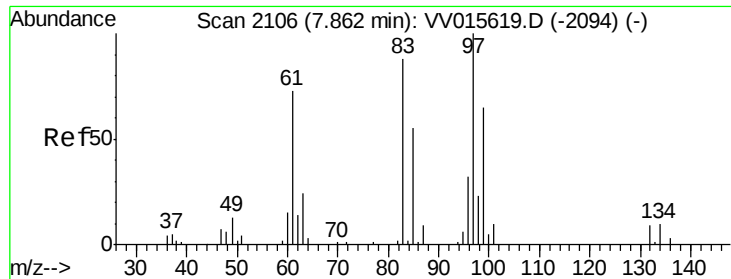
77 32.2 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

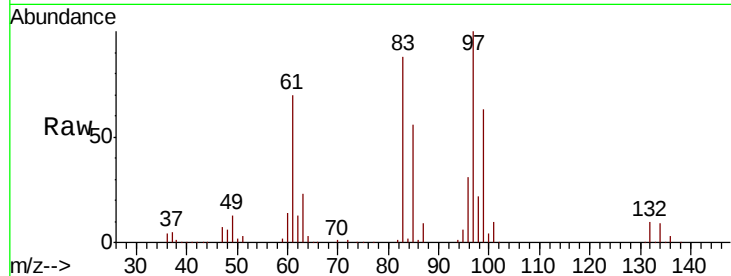




#45
 1,1,2-Trichloroethane
 Concen: 20.258 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	136512
Ion	Ratio	Lower	Upper
97	100		
99	63.1	45.4	84.4
83	87.9	61.3	113.9
85	55.7	38.4	71.4



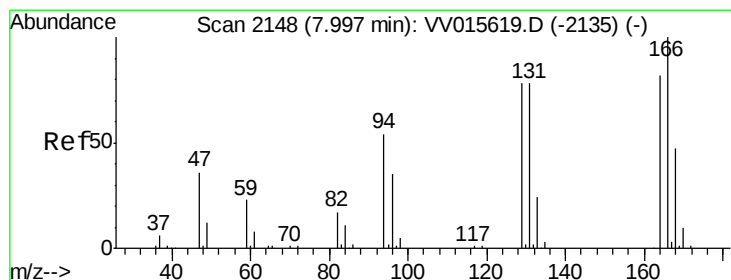
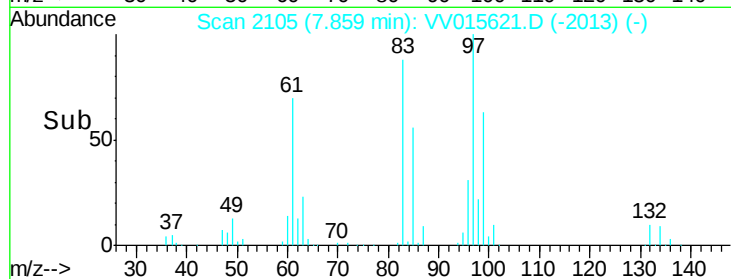
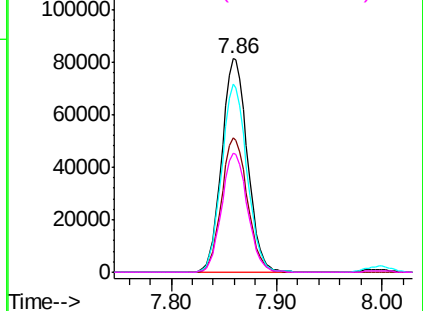
Abundance

Ion 96.95 (96.65 to 97.65): VV015621.D (-2094) (-)

Ion 99.05 (98.75 to 99.75): VV015621.D (-2094) (-)

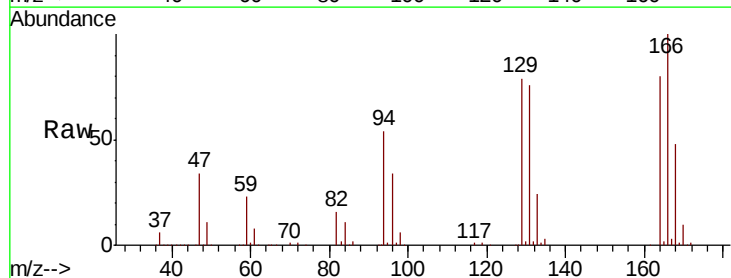
Ion 82.95 (82.65 to 83.65): VV015621.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV015621.D (-2094) (-)



#47
 Tetrachloroethene
 Concen: 19.768 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

Tgt Ion:	164	Resp:	157422
Ion	Ratio	Lower	Upper
164	100		
129	99.0	66.7	123.9
131	94.4	66.6	123.6
166	125.1	85.3	158.5



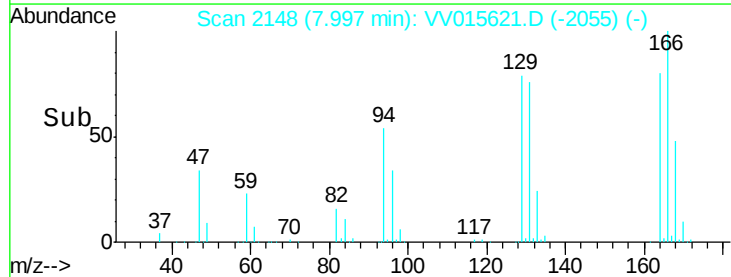
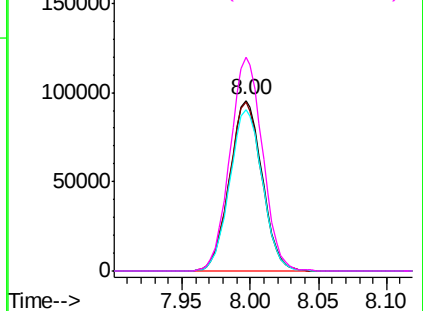
Abundance

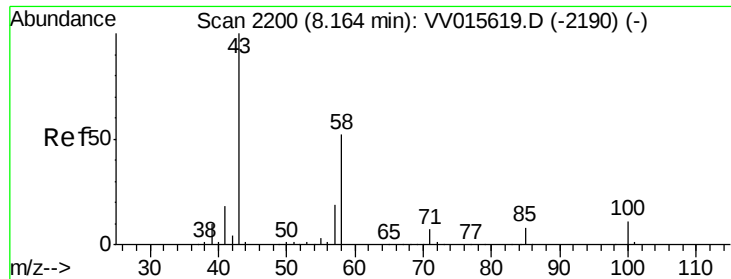
Ion 163.90 (163.60 to 164.60): VV015621.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV015621.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV015621.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV015621.D (-2135) (-)

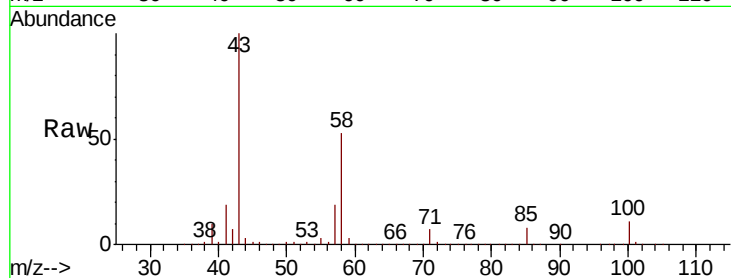




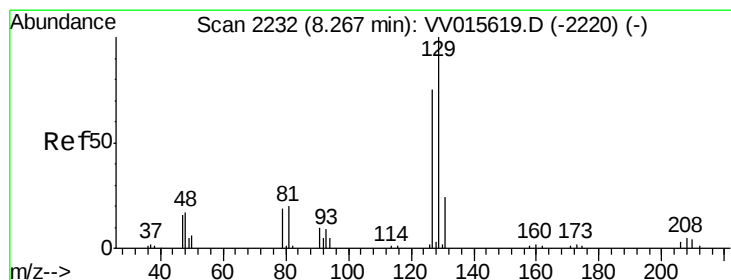
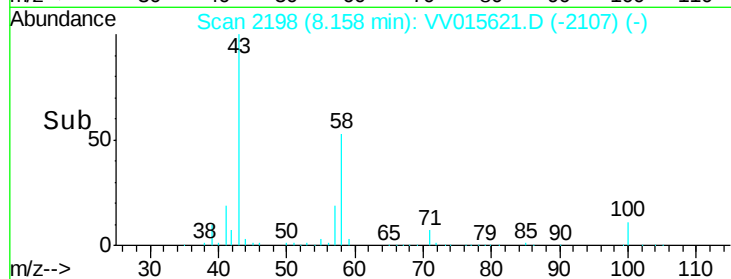
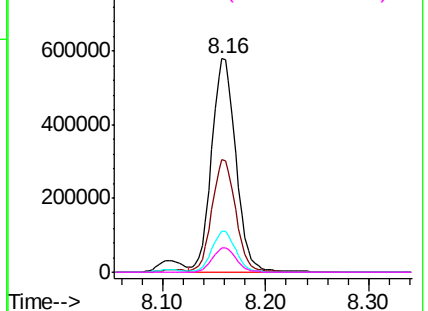
#48
2-Hexanone
Concen: 206.056 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.01 min
Lab File: VV015621.D
Acq: 22 Apr 2020 14:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 944369
Ion Ratio Lower Upper
43 100
58 52.0 41.1 61.7
57 18.7 15.0 22.4
100 11.6 9.0 13.4

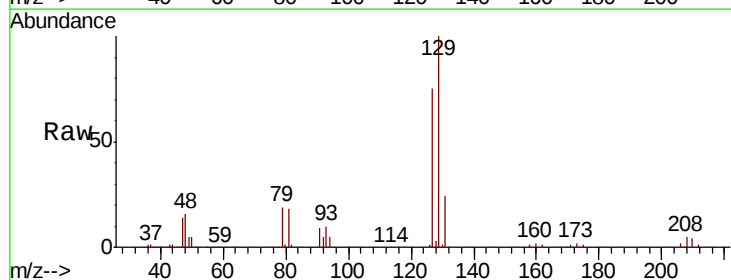


Abundance Ion 43.05 (42.75 to 43.75): VV015621.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VV015621.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VV015621.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VV015621.D (-2198) (-)

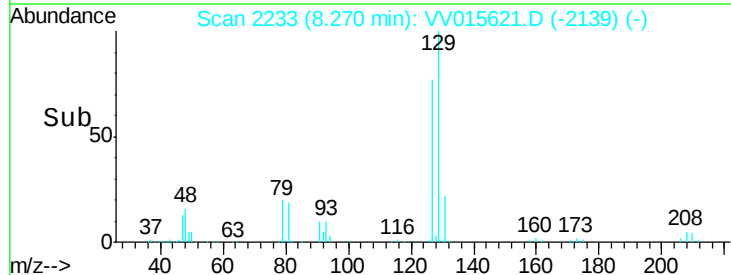
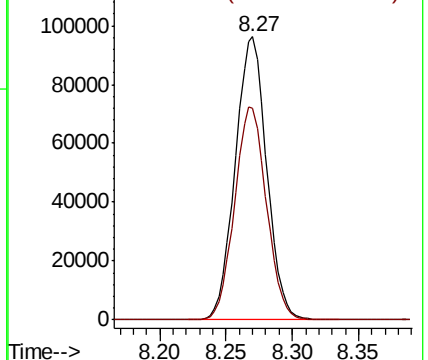


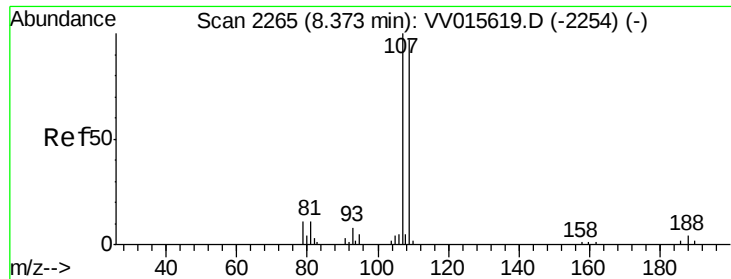
#49
Dibromochloromethane
Concen: 20.367 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015621.D
Acq: 22 Apr 2020 14:54

Tgt Ion: 129 Resp: 158931
Ion Ratio Lower Upper
129 100
127 74.8 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015621.D (-2233) (-)
Ion 126.90 (126.60 to 127.60): VV015621.D (-2233) (-)

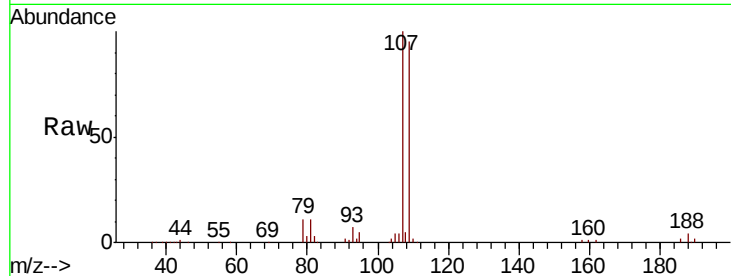




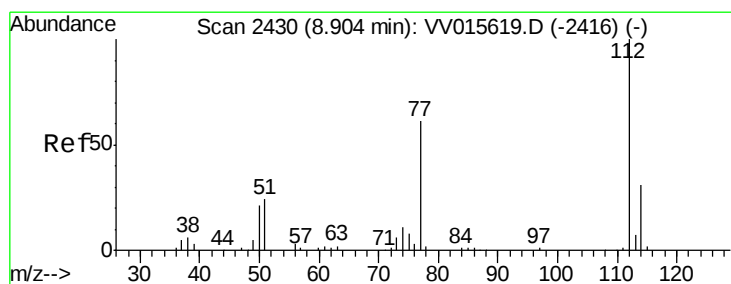
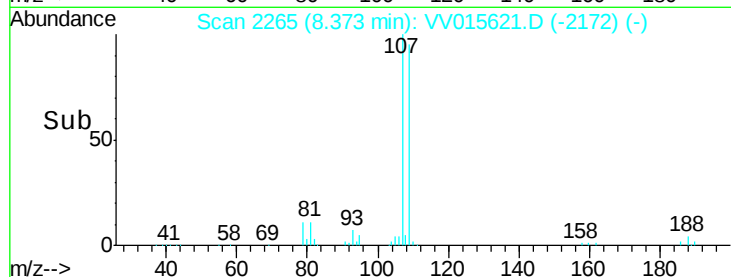
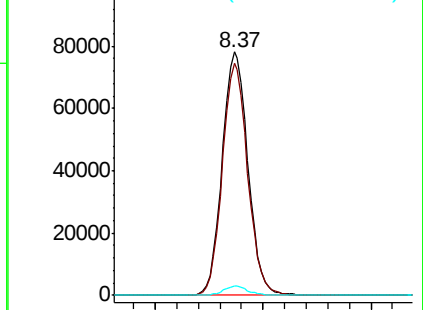
#50
 1,2-Dibromoethane
 Concen: 20.225 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	68.1	126.5
188	3.8	3.2	4.8

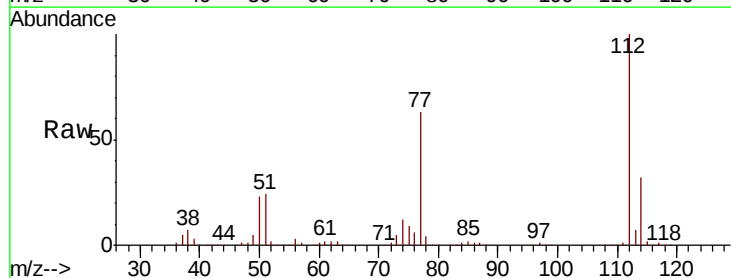


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

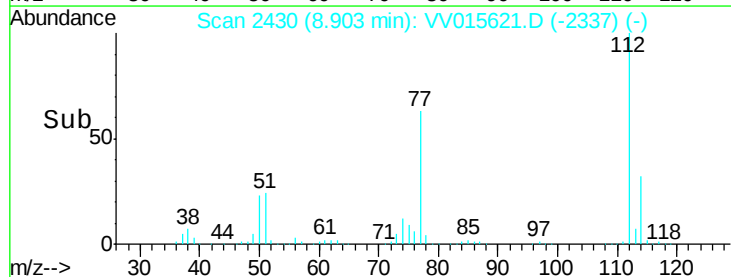
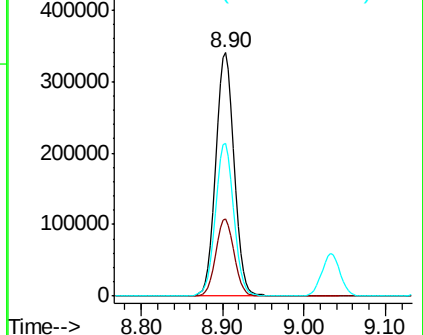


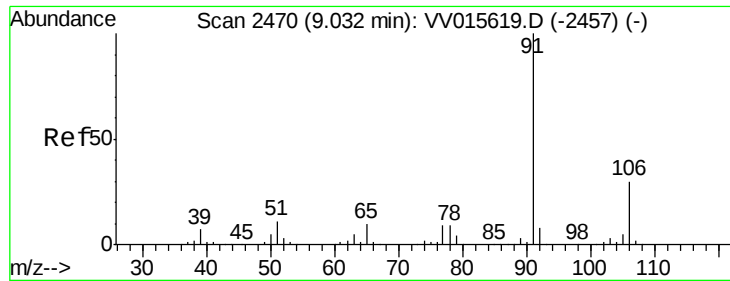
#51
 Chlorobenzene
 Concen: 19.791 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	21.6	40.2
77	62.8	48.9	73.3



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 20.268 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

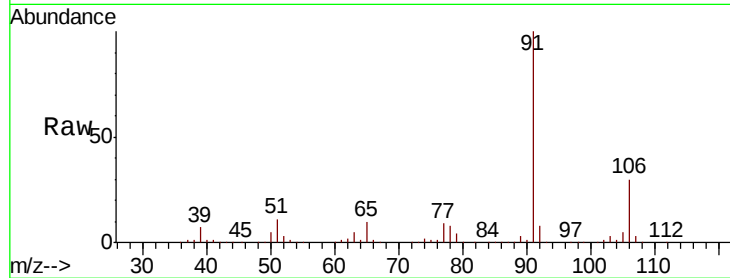
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1007384

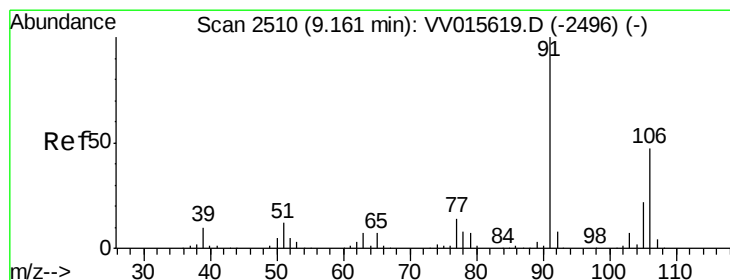
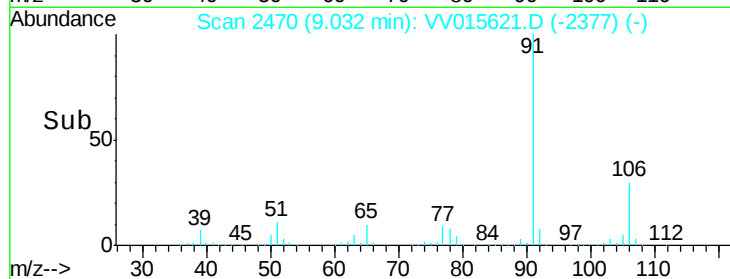
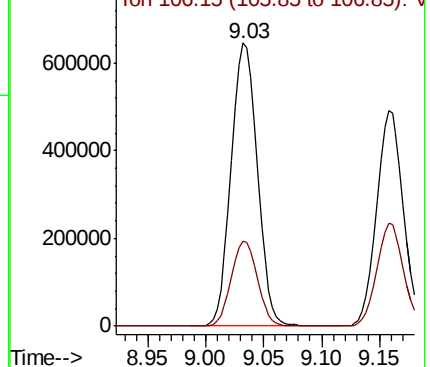
Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015621.D (-2377) (-)



#53

m,p-xylene

Concen: 20.196 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015621.D

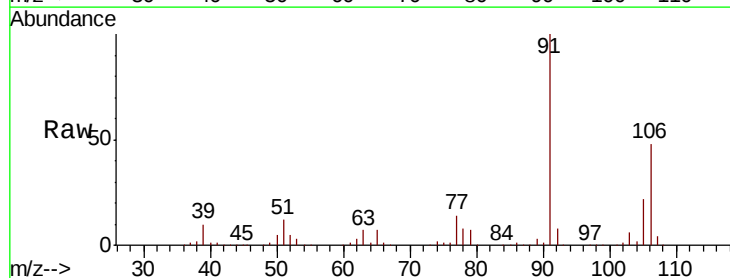
Acq: 22 Apr 2020 14:54

Tgt Ion: 106 Resp: 378100

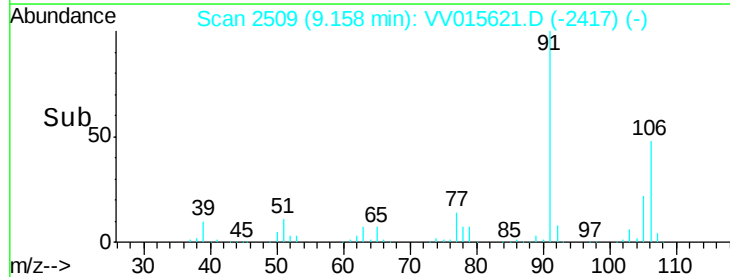
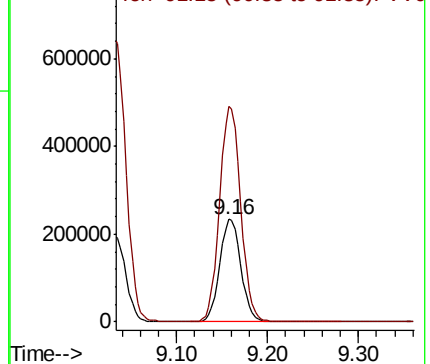
Ion Ratio Lower Upper

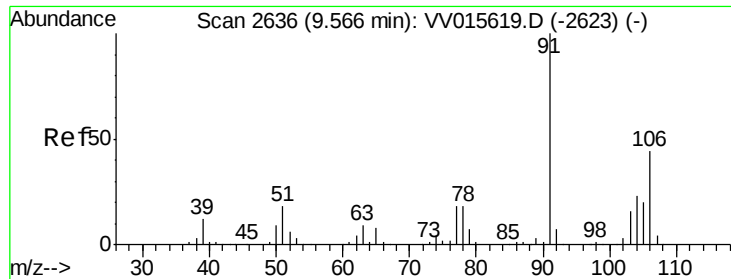
106 100

91 210.3 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015621.D (-2417) (-)





#54

o-xylene

Concen: 20.073 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

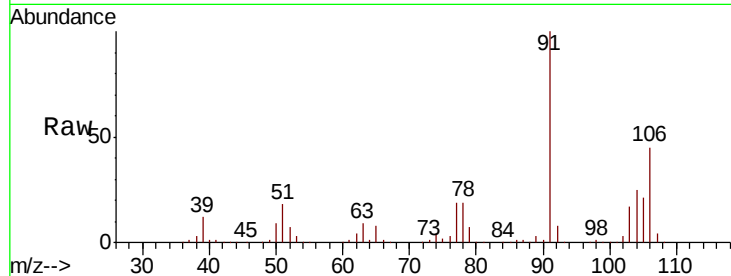
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 364076

Ion Ratio Lower Upper

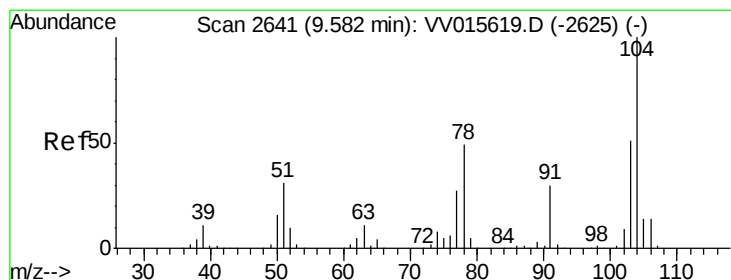
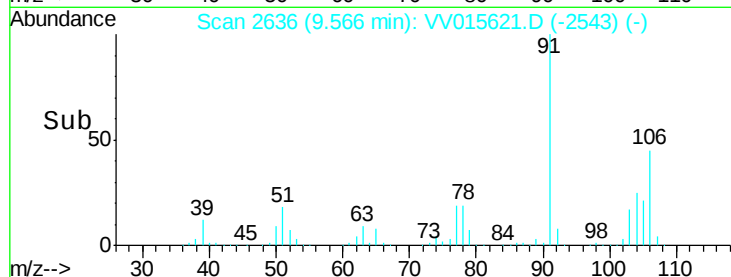
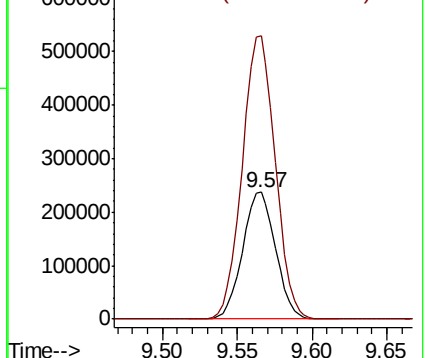
106 100

91 223.3 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 20.720 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015621.D

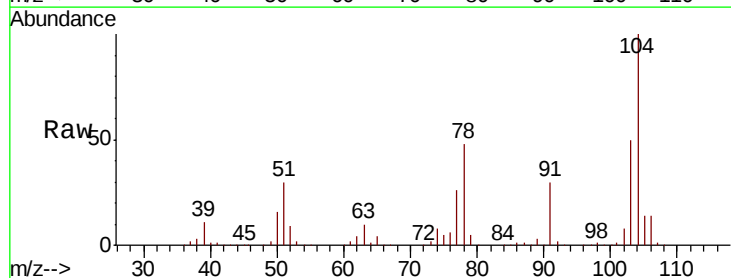
Acq: 22 Apr 2020 14:54

Tgt Ion:104 Resp: 632987

Ion Ratio Lower Upper

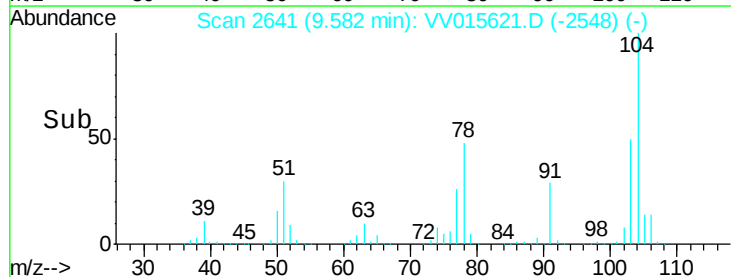
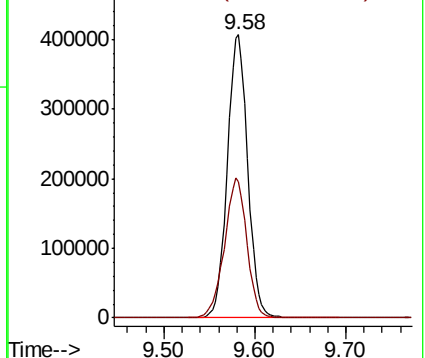
104 100

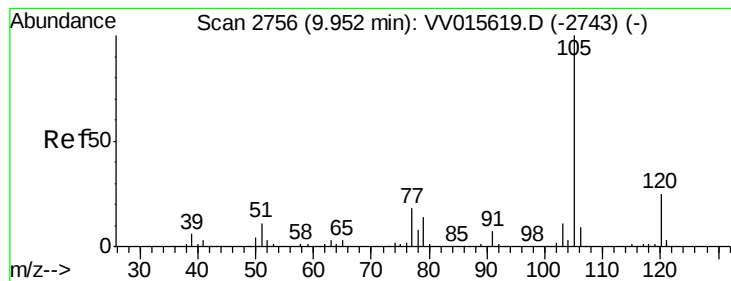
78 48.3 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 20.339 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

Instrument :

MSVOA_V

ClientSampleId :

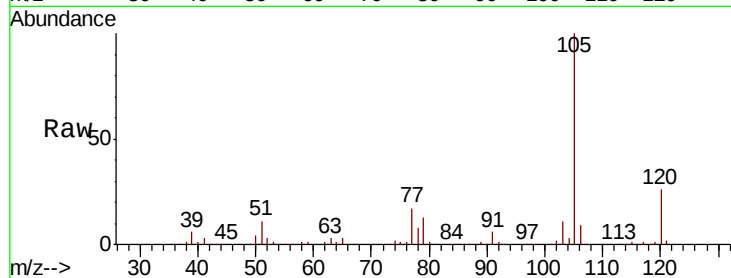
Tot Ion:105 Resp: 1014312

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

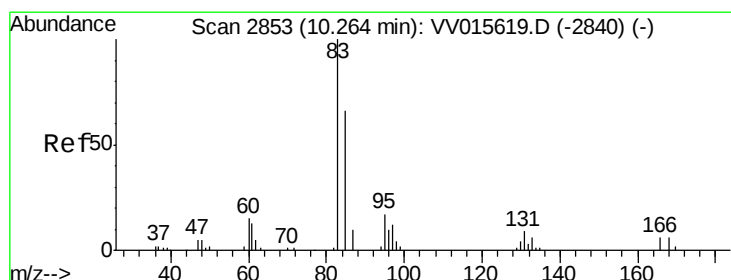
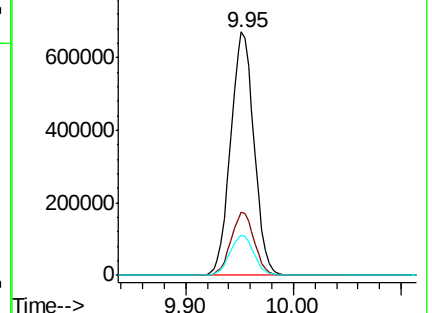
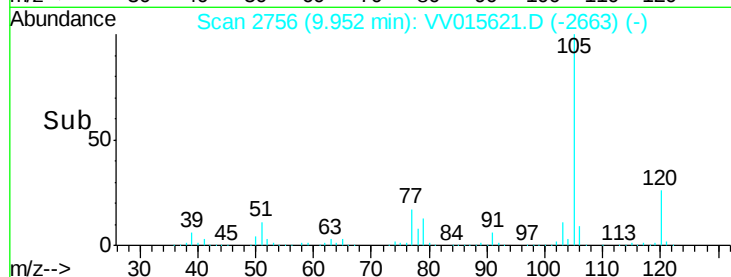
77 16.9 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 20.133 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

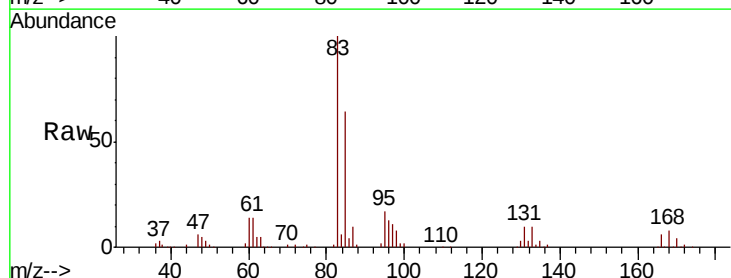
Tgt Ion: 83 Resp: 163004

Ion Ratio Lower Upper

83 100

85 63.6 46.3 85.9

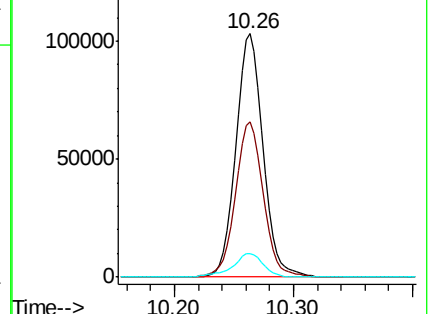
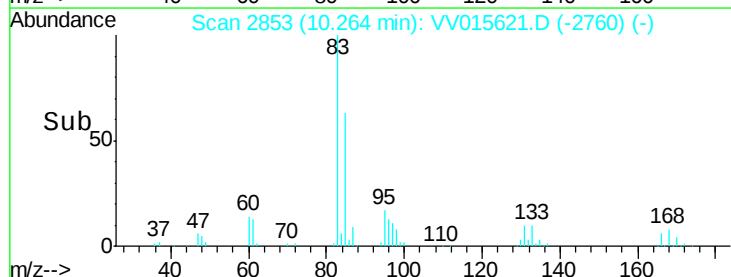
131 9.8 7.7 11.5

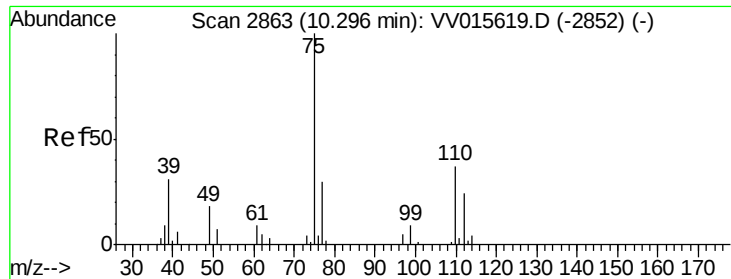


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.401 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

Instrument :

MSVOA_V

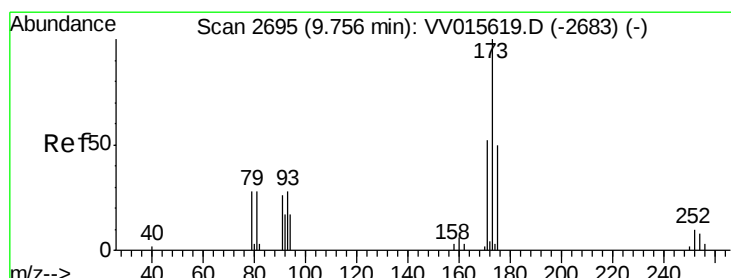
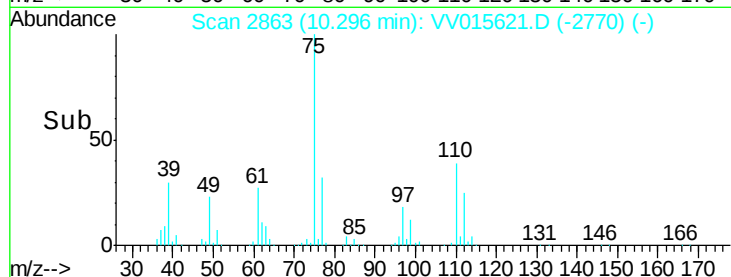
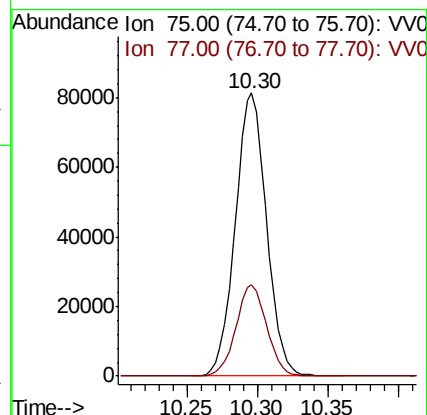
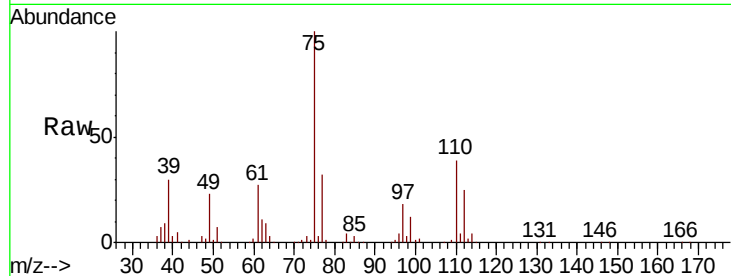
ClientSampleId :

Tot Ion: 75 Resp: 126017

Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0



#61

Bromoform

Concen: 19.112 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

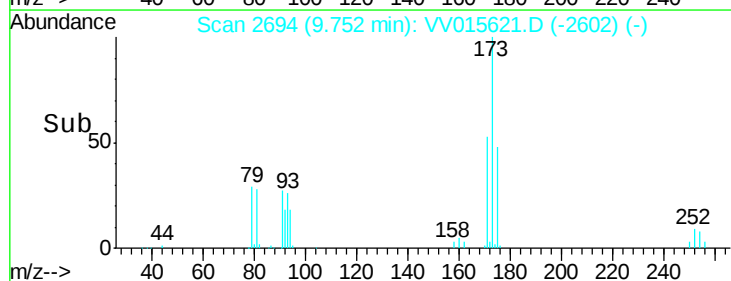
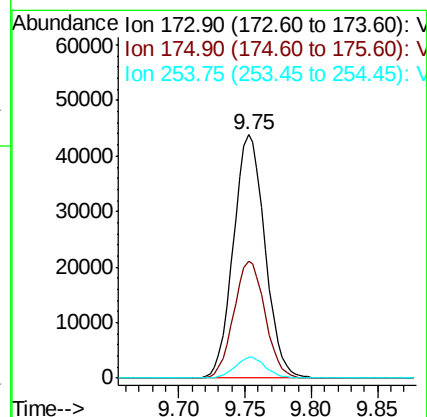
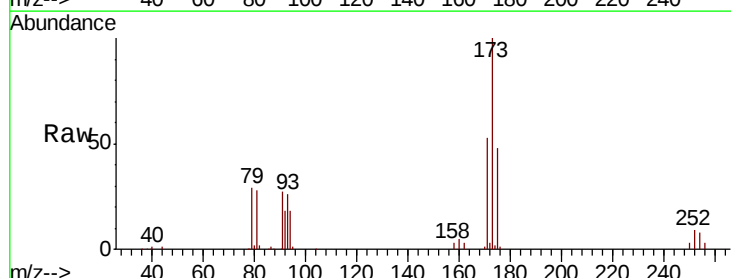
Tgt Ion: 173 Resp: 72368

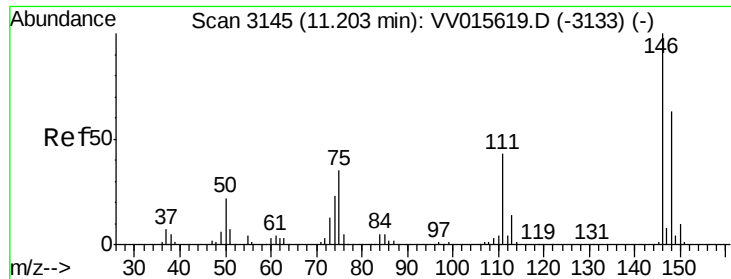
Ion Ratio Lower Upper

173 100

175 47.6 39.8 59.8

254 8.2 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 20.232 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

Instrument :

MSVOA_V

ClientSampleId :

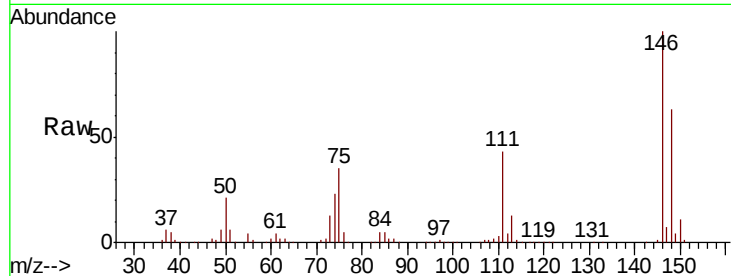
Tot Ion:146 Resp: 449306

Ion Ratio Lower Upper

146 100

111 42.7 30.0 55.6

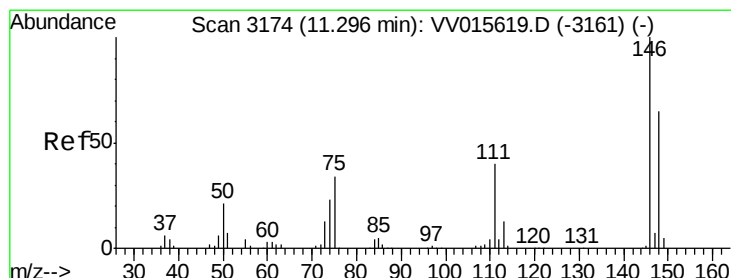
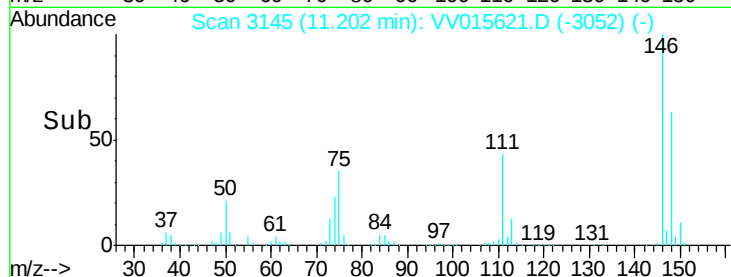
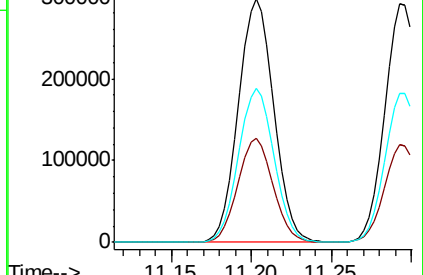
148 63.3 44.2 82.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 19.838 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

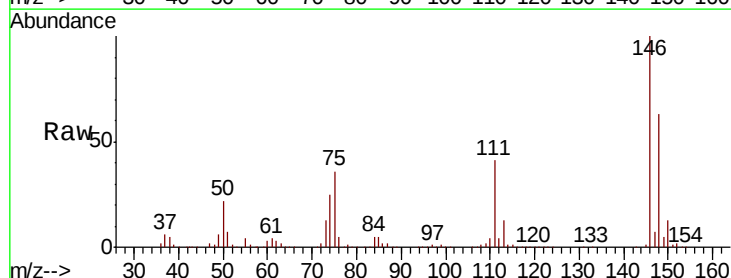
Tgt Ion:146 Resp: 449019

Ion Ratio Lower Upper

146 100

111 40.9 28.2 52.4

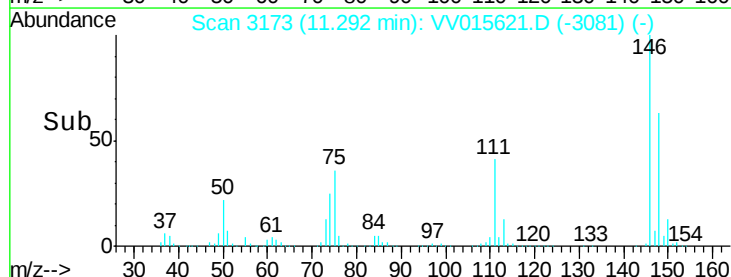
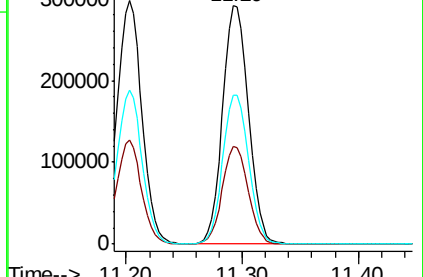
148 62.6 45.7 84.9

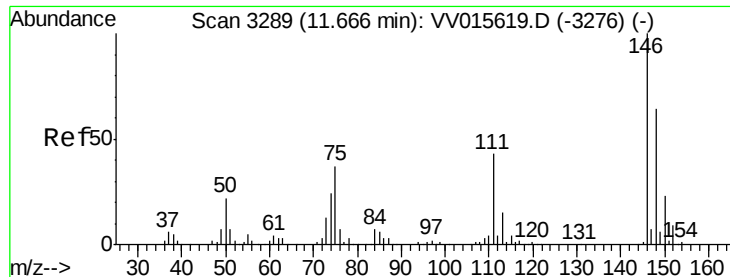


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 20.071 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

Instrument :

MSVOA_V

ClientSampleId :

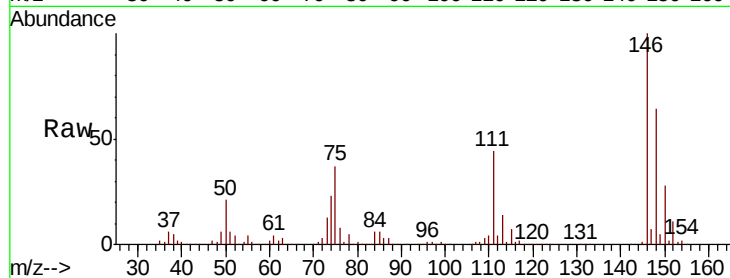
Tot Ion:146 Resp: 408444

Ion Ratio Lower Upper

146 100

111 44.3 34.7 52.1

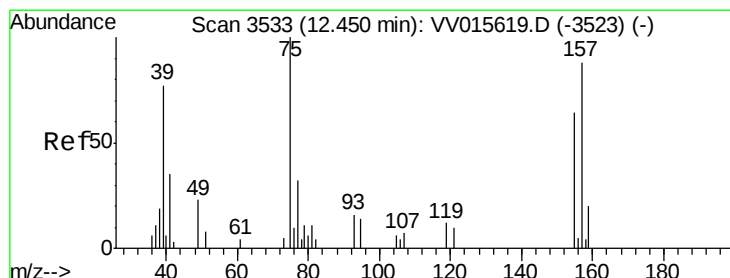
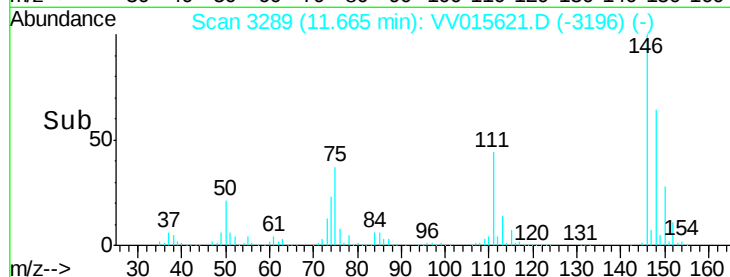
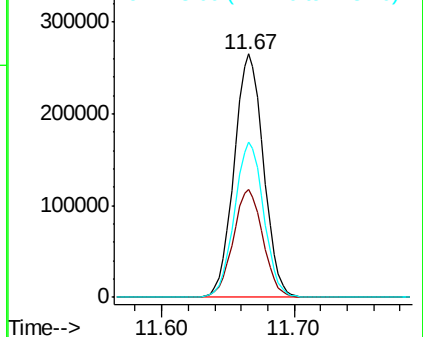
148 63.6 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 19.506 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

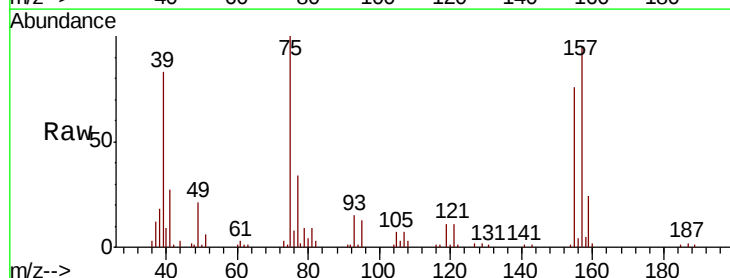
Tgt Ion: 75 Resp: 29504

Ion Ratio Lower Upper

75 100

155 75.8 51.0 76.4

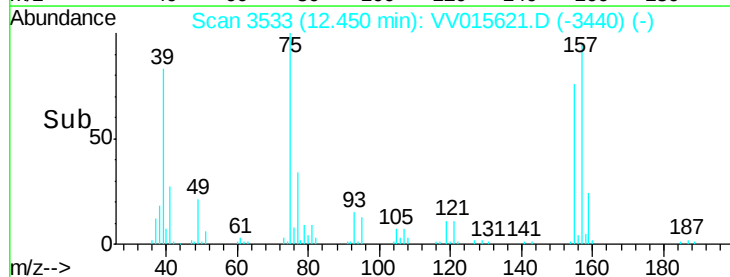
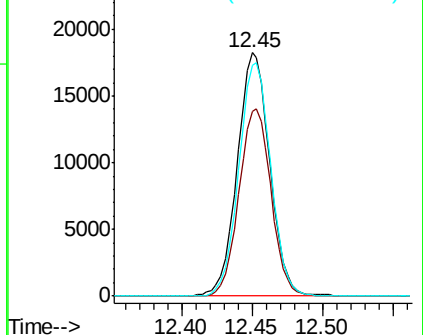
157 94.8 70.6 106.0

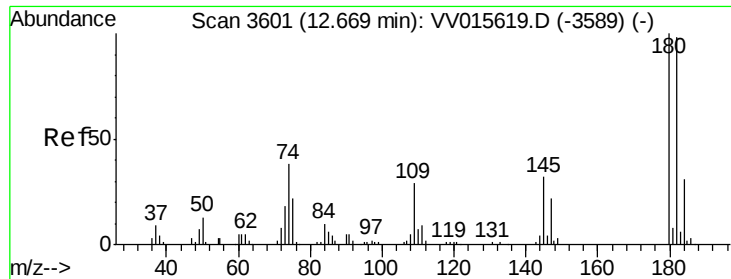


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

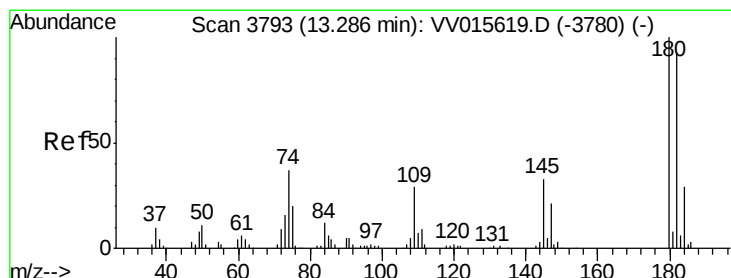
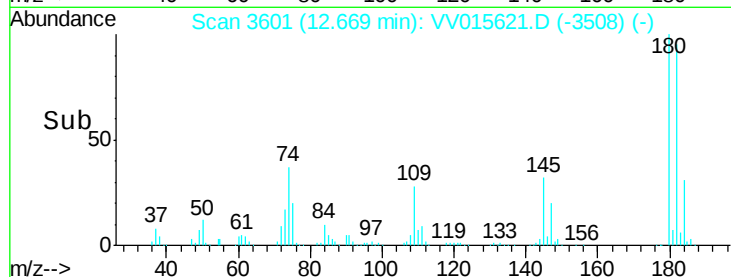
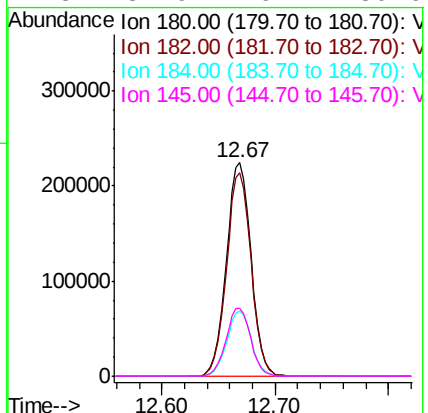
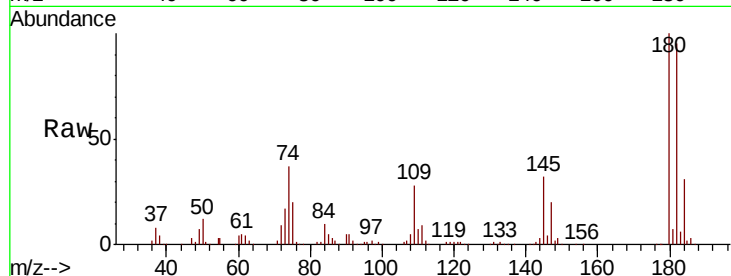




#67
 1,3,5-Trichlorobenzene
 Concen: 21.134 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

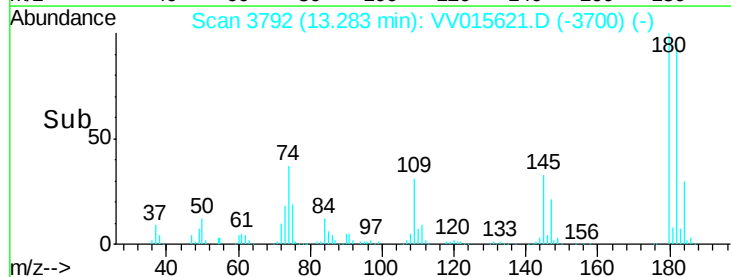
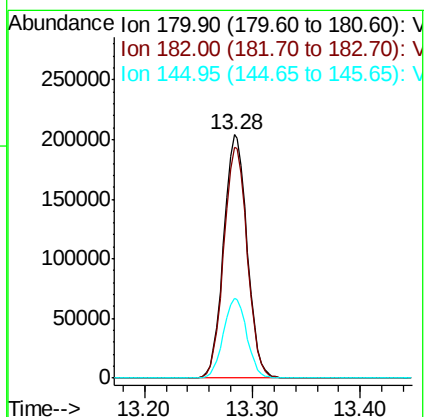
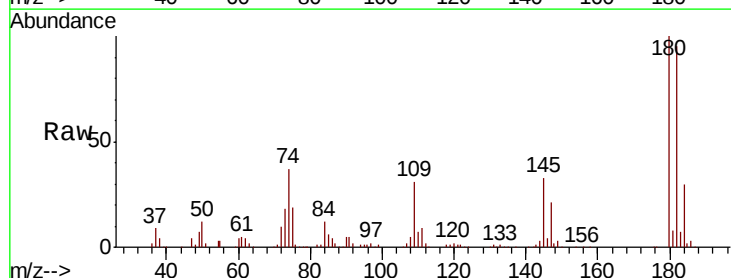
Instrument :
 MSVOA_V
 ClientSampleId :

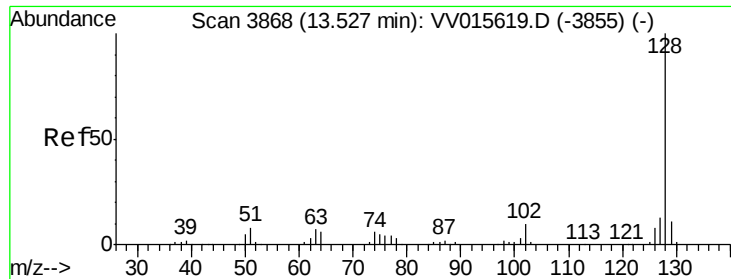
Tot Ion:180 Resp: 339933
 Ion Ratio Lower Upper
 180 100
 182 94.5 78.2 117.4
 184 30.4 25.0 37.4
 145 31.9 26.4 39.6



#68
 1,2,4-trichlorobenzene
 Concen: 21.096 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015621.D
 Acq: 22 Apr 2020 14:54

Tgt Ion:180 Resp: 309028
 Ion Ratio Lower Upper
 180 100
 182 94.8 74.8 112.2
 145 32.6 25.9 38.9





#69

Naphthalene

Concen: 20.740 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

Instrument :

MSVOA_V

ClientSampleId :

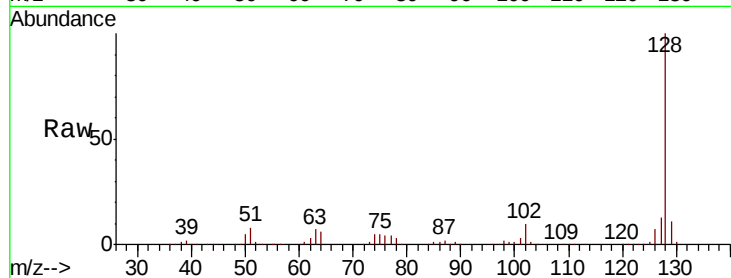
Tot Ion:128 Resp: 563429

Ion Ratio Lower Upper

128 100

129 10.9 8.4 12.6

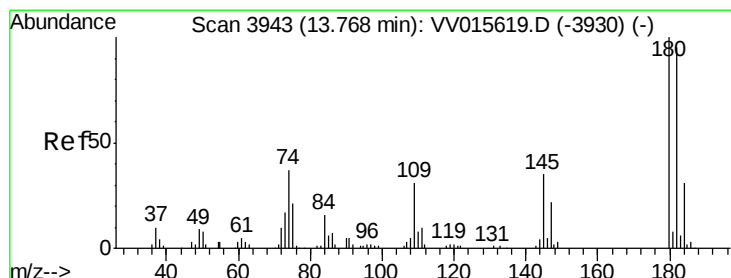
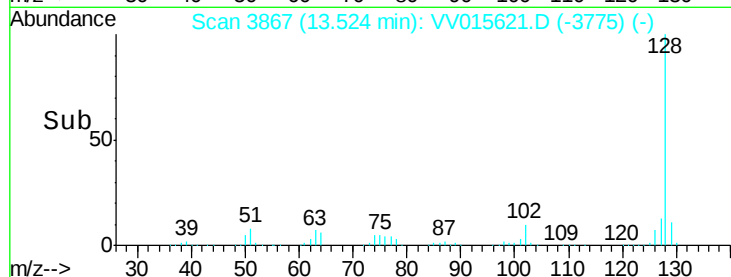
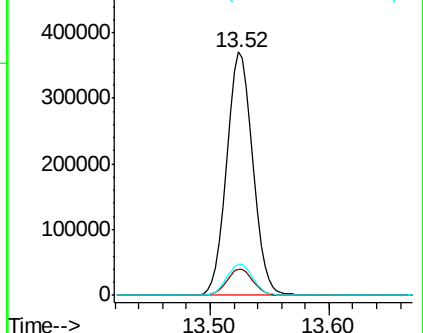
127 13.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 20.979 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015621.D

Acq: 22 Apr 2020 14:54

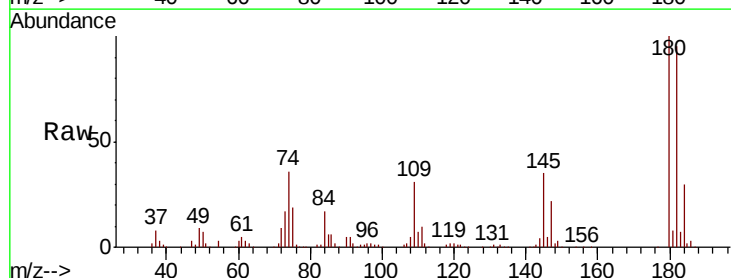
Tgt Ion:180 Resp: 270483

Ion Ratio Lower Upper

180 100

182 94.8 74.8 112.2

145 35.0 28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

