

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072720\
 Data File : VV017674.D
 Acq On : 27 Jul 2020 13:25
 Operator : SY/MD
 Sample : L3459-13
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 28 04:55:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 28 04:52:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	182086	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	177860	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	92249	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35661	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.58	69	27147	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.60%
11) 1,1-Dichloroethene-d2	2.12	63	77565	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.60%
20) 2-Butanone-d5	3.91	46	77517	37.27	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.54%
24) Chloroform-d	4.37	84	87391	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.05	65	46799	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
32) Benzene-d6	5.07	84	158096	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.60%
36) 1,2-Dichloropropane-d6	6.09	67	43361	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.60%
41) Toluene-d8	7.34	98	143862	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.60%
45) trans-1,3-Dichloropropene-	7.64	79	19368	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
48) 2-Hexanone-d5	8.11	63	55269	36.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.22%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	28955	3.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	63280	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	42460	3.271 ug/L	96
6) Bromomethane	1.53	94	28294	3.384 ug/L	98
9) Trichlorofluoromethane	1.76	101	174012	7.479 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	878	0.081 ug/L #	52
12) 1,1-Dichloroethene	2.13	96	35030	3.573 ug/L	90
13) Acetone	2.19	43	129225	79.363 ug/L #	52
14) Carbon disulfide	2.31	76	150537	5.050 ug/L	98
15) Methyl Acetate	2.19	43	123195	38.882 ug/L #	41
16) Methylene chloride	2.52	84	27373	2.509 ug/L	99
17) Methyl tert-butyl Ether	2.78	73	205108	8.161 ug/L	99
19) 1,1-Dichloroethane	3.21	63	197664	8.798 ug/L	99
21) 2-Butanone	3.99	43	272885	99.250 ug/L	99
27) 1,2-Dichloroethane	5.15	62	109076	6.671 ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	198399	7.973 ug/L	98
30) Cyclohexane	4.70	56	191143	9.695 ug/L	96
31) Carbon tetrachloride	4.63	117	23130	1.045 ug/L	93
34) Trichloroethene	5.94	95	67525	4.802 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

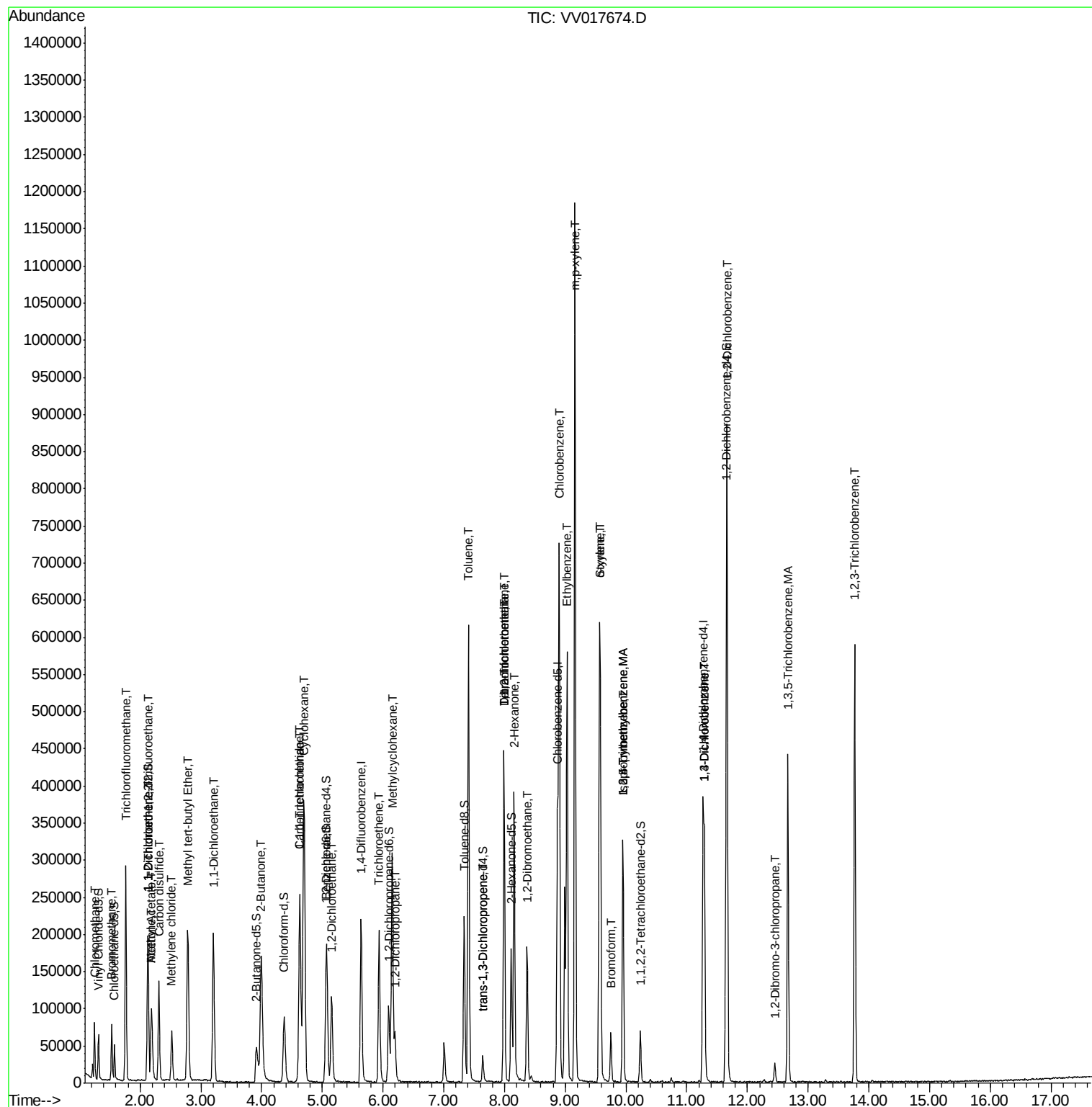
35) Methylcyclohexane	6.15	83	121524	5.713	ug/L	99
37) 1,2-Dichloropropane	6.20	63	22940	1.939	ug/L	97
42) Toluene	7.41	91	432335	7.872	ug/L	99
43) 1,3,5-Trimethylbenzene	9.95	105	198060	3.862	ug/L #	66
44) 1,2,4-Trimethylbenzene	9.95	105	198060	3.780	ug/L #	71
46) trans-1,3-Dichloropropene	7.64	75	1108	0.069	ug/L #	62
47) 1,1,2-Trichloroethane	7.99	97	955	0.106	ug/L #	39
49) Tetrachloroethene	7.99	164	100292	8.089	ug/L	94
50) 2-Hexanone	8.16	43	229558	50.011	ug/L	98
51) Dibromochloromethane	7.99	129	89850	7.867	ug/L #	10
52) 1,2-Dibromoethane	8.37	107	114036	13.467	ug/L	96
53) Chlorobenzene	8.90	112	364238	9.948	ug/L	98
54) Ethylbenzene	9.03	91	379966	6.179	ug/L	100
55) m,p-xylene	9.16	106	300897	12.993	ug/L	95
56) o-xylene	9.56	106	117290	5.219	ug/L	97
57) Styrene	9.58	104	198394	5.291	ug/L	99
58) Isopropylbenzene	9.95	105	198060	3.195	ug/L	99
62) Bromoform	9.75	173	30147	5.106	ug/L	98
63) 1,3-Dichlorobenzene	11.29	146	123869	4.171	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	123869	4.156	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	315789	11.672	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	6009	3.552	ug/L	96
68) 1,3,5-Trichlorobenzene	12.67	180	135690	5.624	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	175846	9.833	ug/L	98

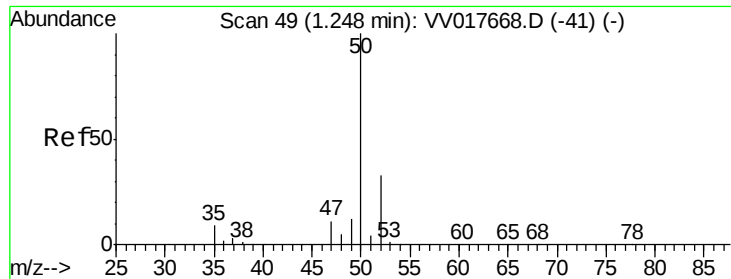
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 3.271 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Instrument :

MSVOA_V

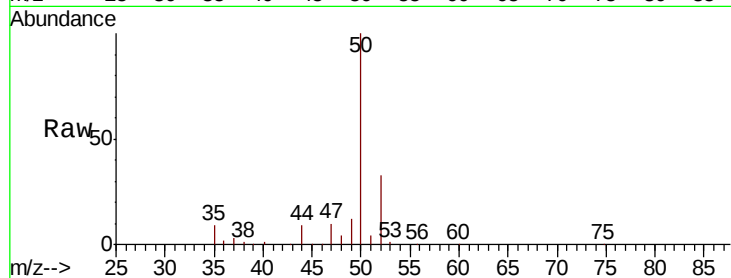
ClientSampleId :

Tot Ion: 50 Resp: 42460

Ion Ratio Lower Upper

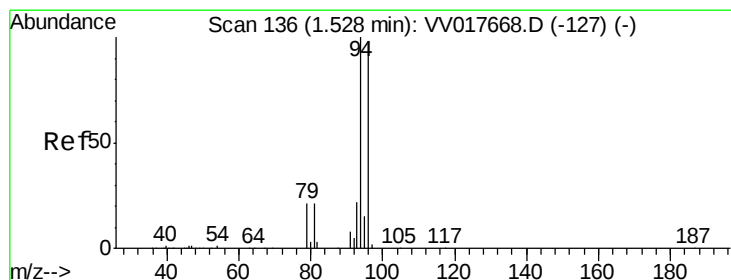
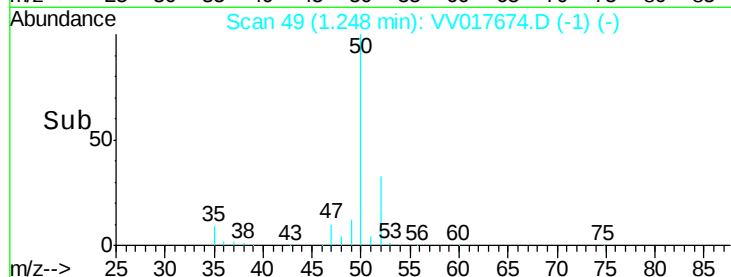
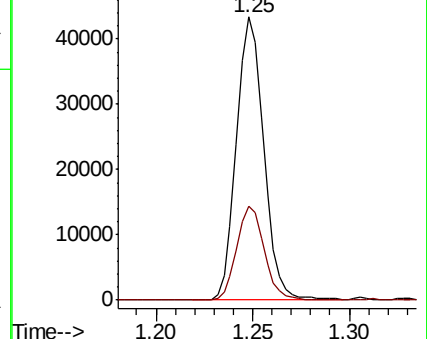
50 100

52 33.4 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV017674.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV017674.D (-41) (-)



#6

Bromomethane

Concen: 3.384 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017674.D

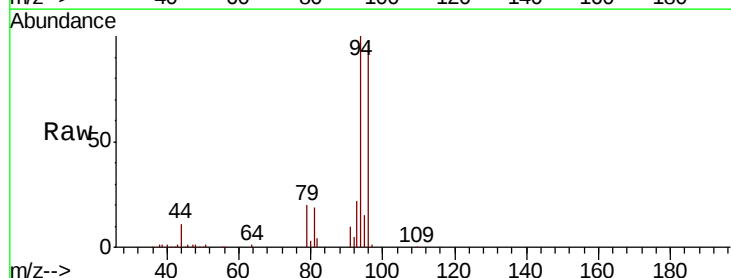
Acq: 27 Jul 2020 13:25

Tgt Ion: 94 Resp: 28294

Ion Ratio Lower Upper

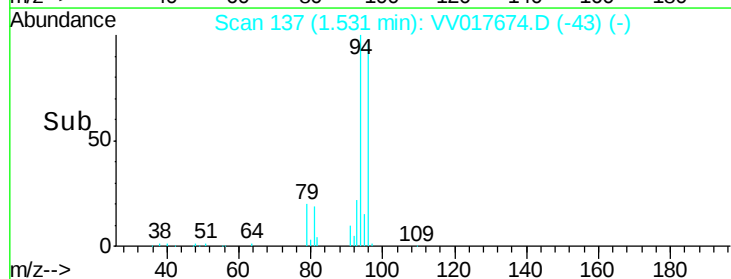
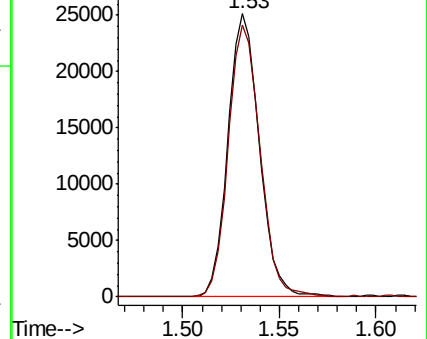
94 100

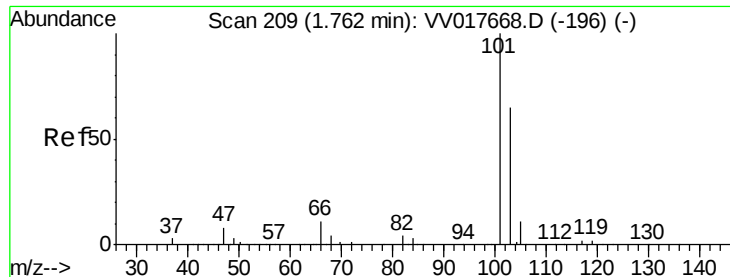
96 96.2 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV017674.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV017674.D (-127) (-)



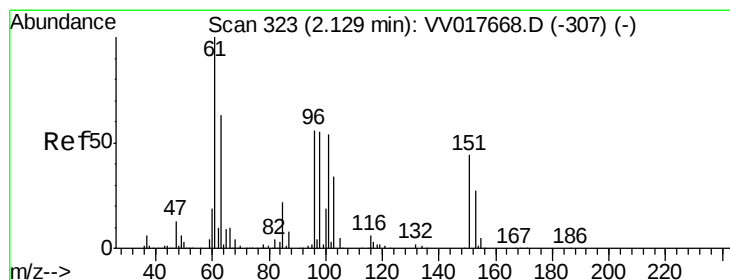
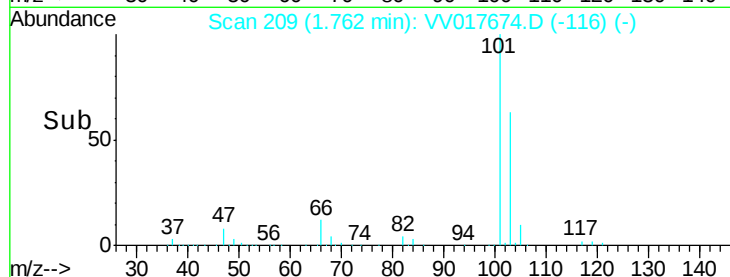
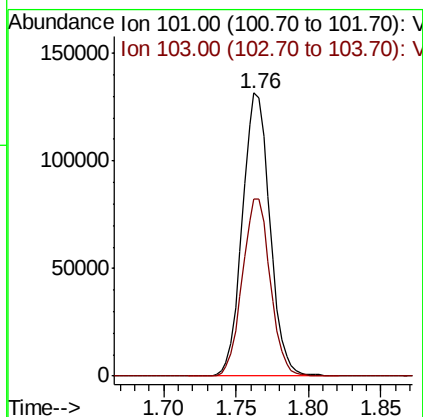
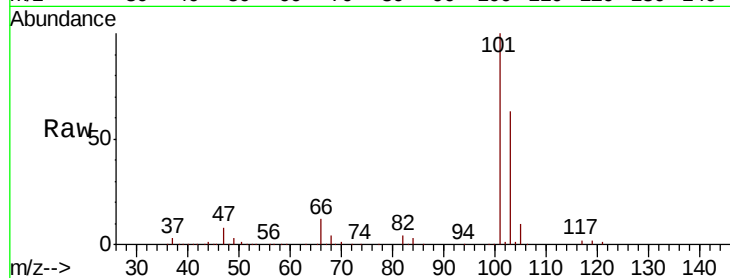


#9

Trichlorofluoromethane
Concen: 7.479 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017674.D
Acq: 27 Jul 2020 13:25

Instrument :
MSVOA_V
ClientSampled :

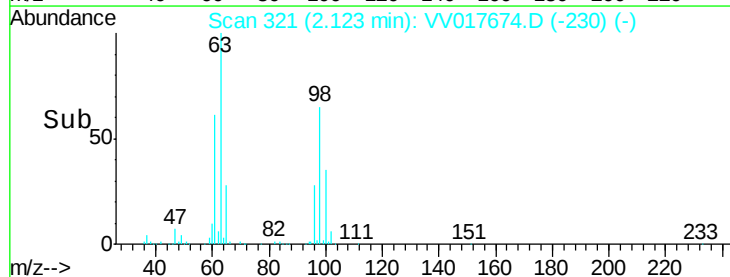
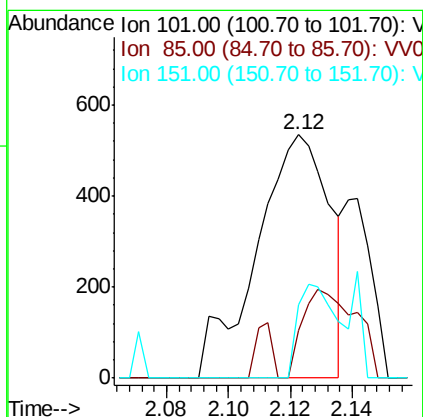
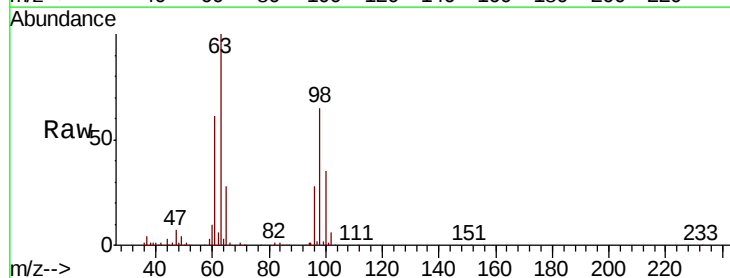
Tot Ion:101 Resp: 174012
Ion Ratio Lower Upper
101 100
103 63.6 51.7 77.5

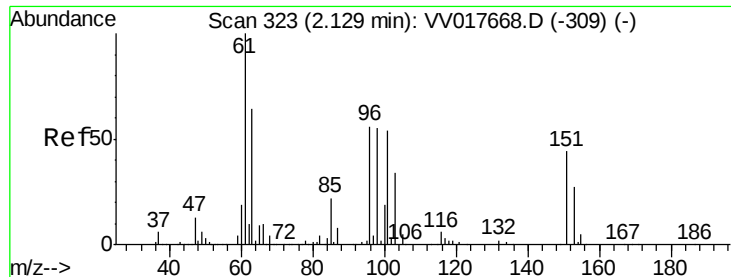


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.081 ug/L
RT: 2.12 min Scan# 321
Delta R.T. -0.01 min
Lab File: VV017674.D
Acq: 27 Jul 2020 13:25

Tgt Ion:101 Resp: 878
Ion Ratio Lower Upper
101 100
85 26.7 34.6 51.8#
151 26.3 63.5 95.3#





#12

1,1-Dichloroethene

Concen: 3.573 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Instrument :
MSVOA_V
ClientSampled :

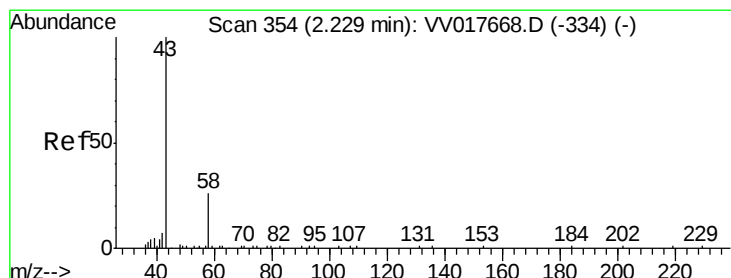
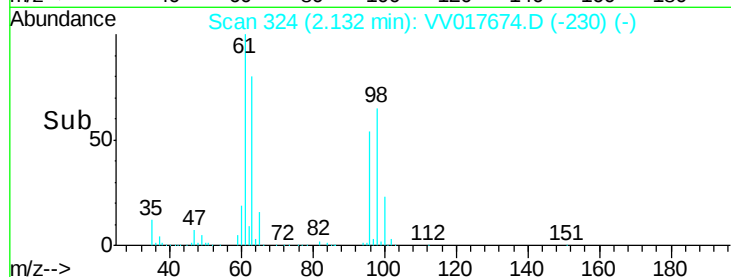
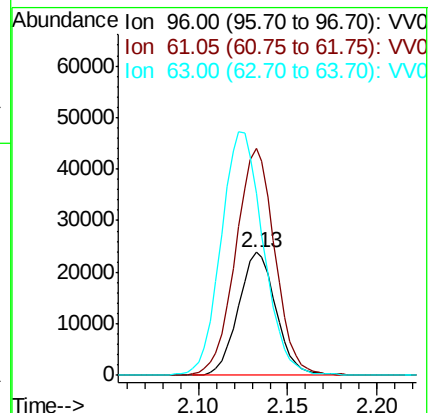
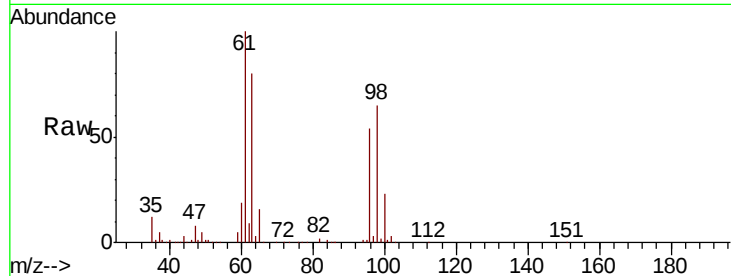
Tot Ion: 96 Resp: 35030

Ion Ratio Lower Upper

96 100

61 184.6 123.1 228.7

63 147.9 91.2 169.4



#13

Acetone

Concen: 79.363 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV017674.D

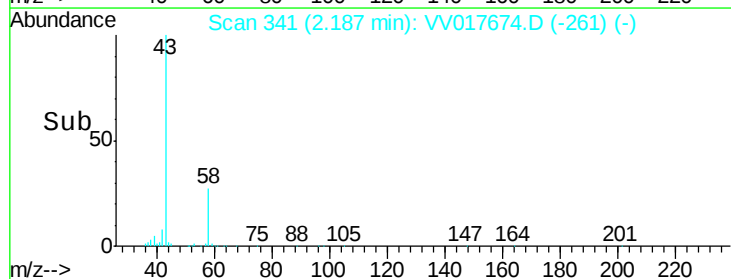
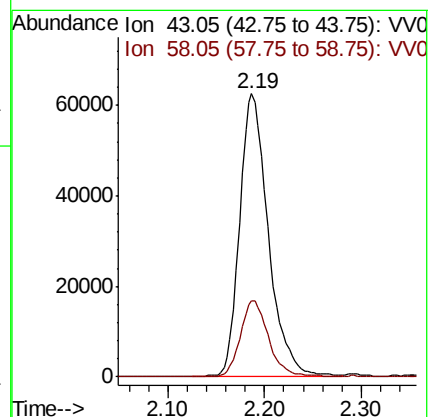
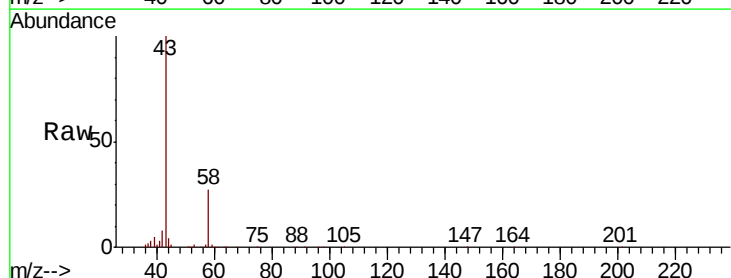
Acq: 27 Jul 2020 13:25

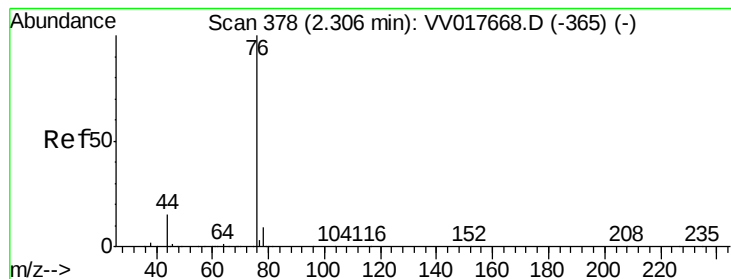
Tgt Ion: 43 Resp: 129225

Ion Ratio Lower Upper

43 100

58 26.6 0.0 18.6#





#14

Carbon disulfide

Concen: 5.050 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Instrument :

MSVOA_V

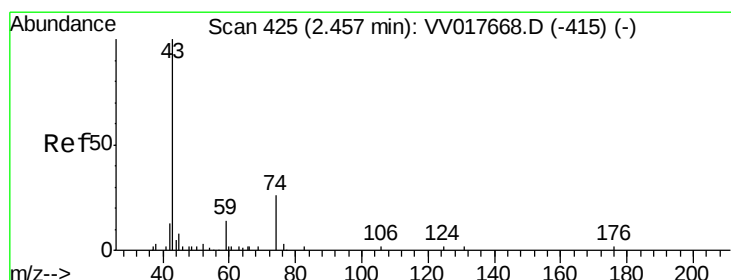
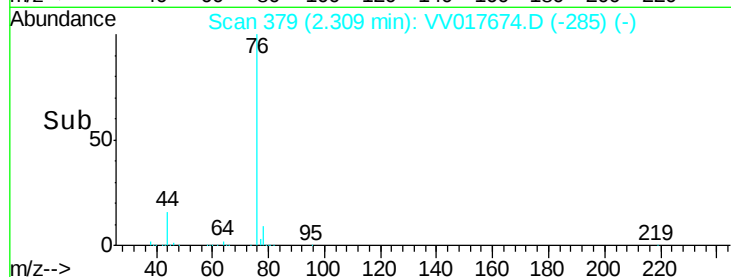
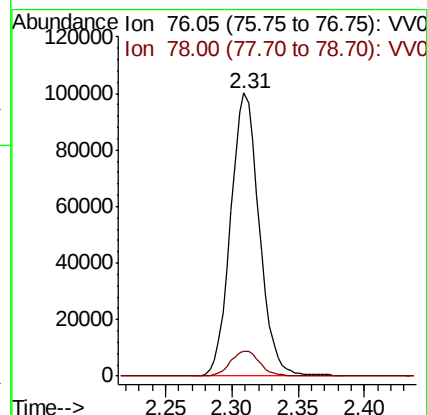
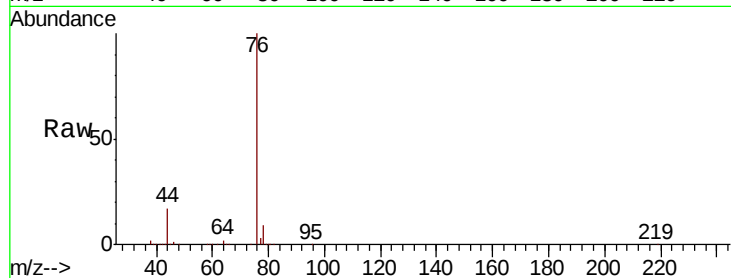
ClientSampled :

Tot Ion: 76 Resp: 150537

Ion Ratio Lower Upper

76 100

78 8.9 6.6 10.0



#15

Methyl Acetate

Concen: 38.882 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.27 min

Lab File: VV017674.D

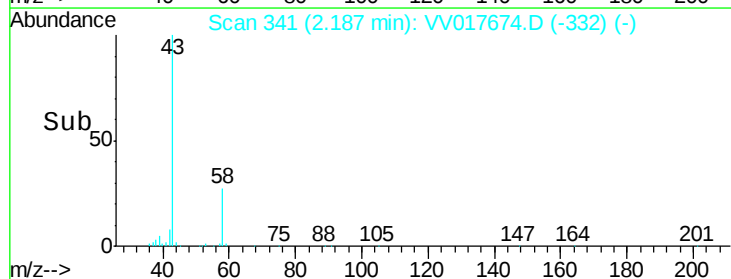
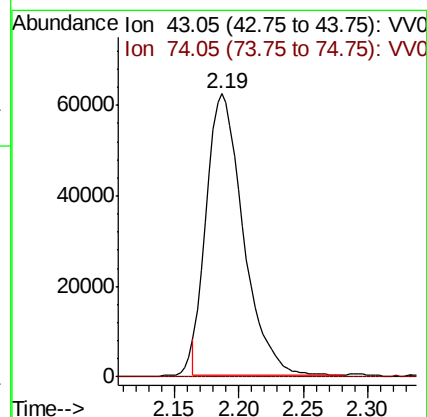
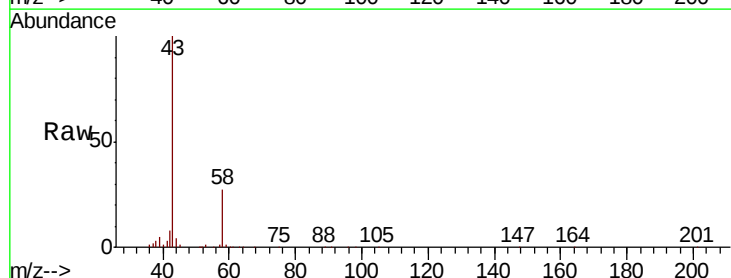
Acq: 27 Jul 2020 13:25

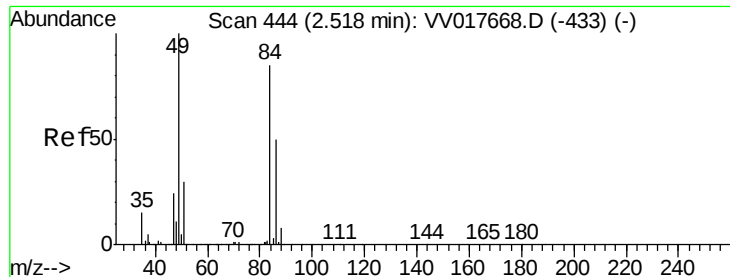
Tgt Ion: 43 Resp: 123195

Ion Ratio Lower Upper

43 100

74 0.0 26.6 40.0#

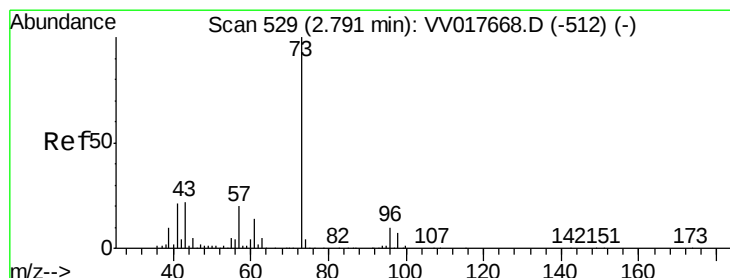
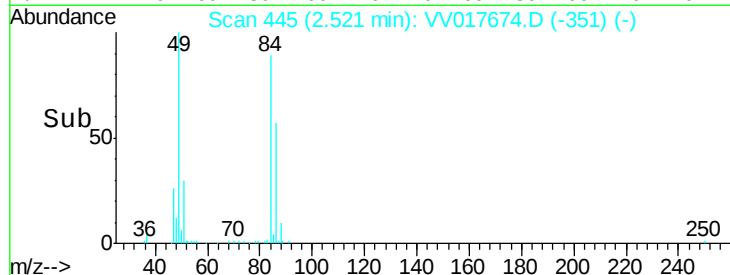
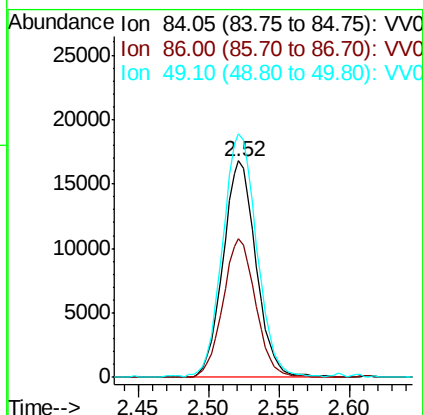
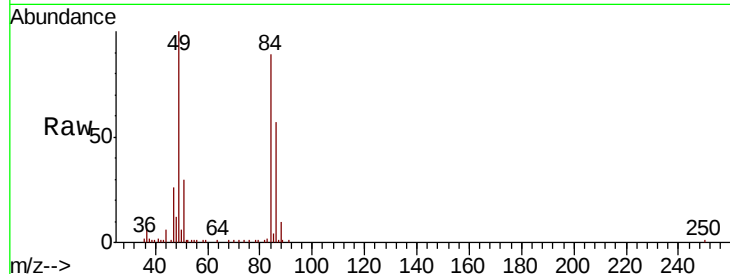




#16
Methylene chloride
Concen: 2.509 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017674.D
Acq: 27 Jul 2020 13:25

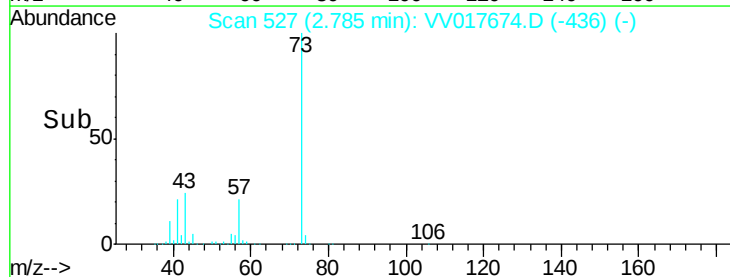
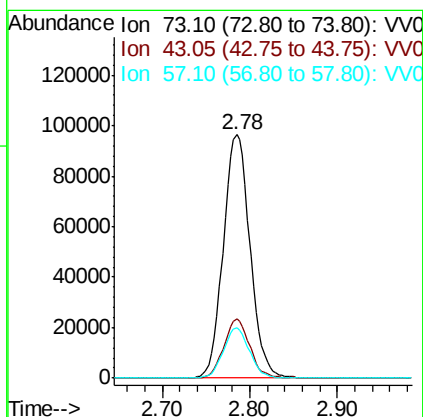
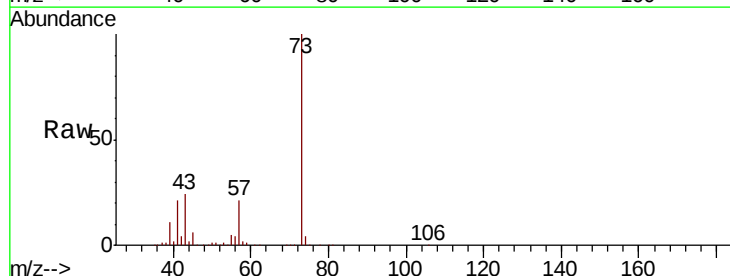
Instrument :
MSVOA_V
ClientSampled :

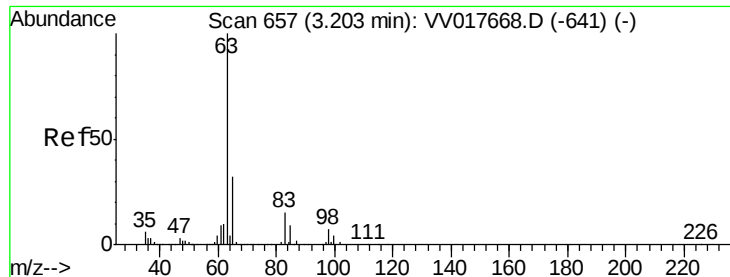
Tot Ion: 84 Resp: 27373
Ion Ratio Lower Upper
84 100
86 64.4 46.5 86.3
49 112.6 79.2 147.2



#17
Methyl tert-butyl Ether
Concen: 8.161 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.01 min
Lab File: VV017674.D
Acq: 27 Jul 2020 13:25

Tgt Ion: 73 Resp: 205108
Ion Ratio Lower Upper
73 100
43 22.8 18.3 27.5
57 20.1 16.7 25.1

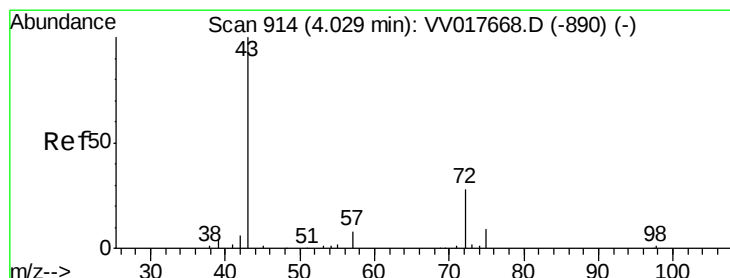
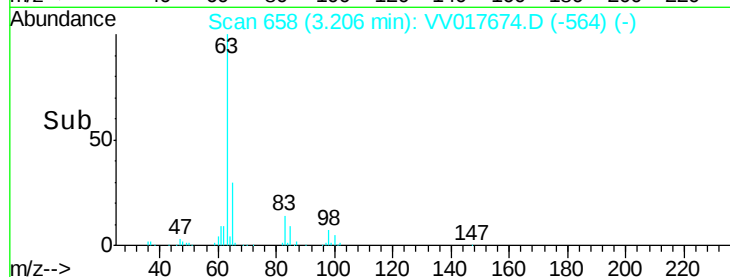
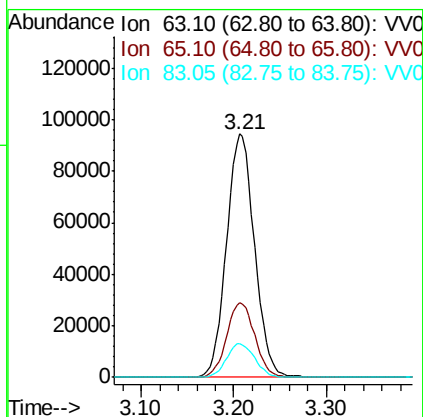
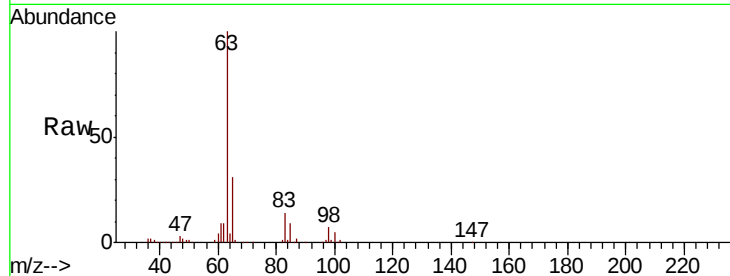




#19
 1,1-Dichloroethane
 Concen: 8.798 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VV017674.D
 Acq: 27 Jul 2020 13:25

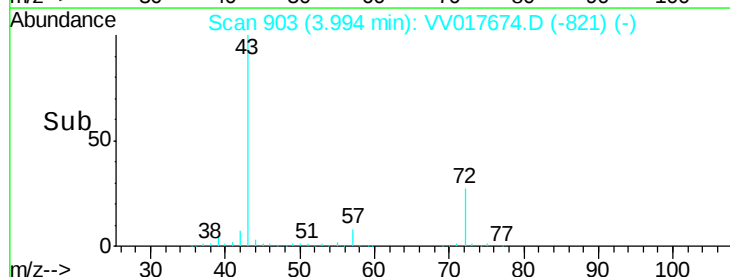
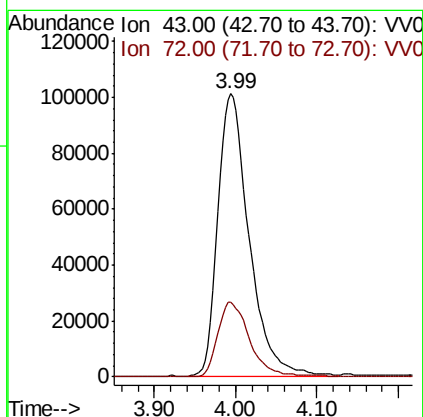
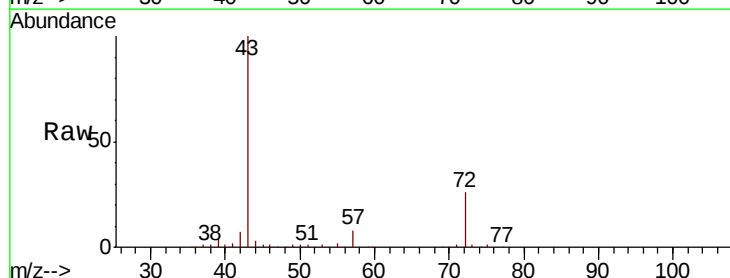
Instrument :
 MSVOA_V
 ClientSampleId :

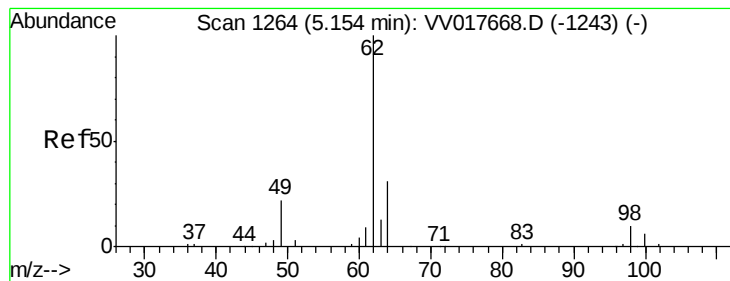
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.4	39.8
83	13.9	10.4	19.4



#21
 2-Butanone
 Concen: 99.250 ug/L
 RT: 3.99 min Scan# 903
 Delta R.T. -0.04 min
 Lab File: VV017674.D
 Acq: 27 Jul 2020 13:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.6	13.0	38.9





#27

1,2-Dichloroethane

Concen: 6.671 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Instrument :

MSVOA_V

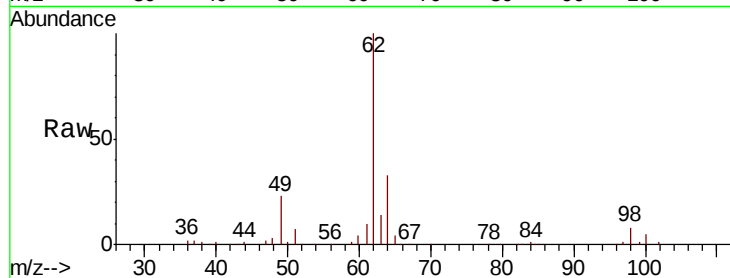
ClientSampled :

Tot Ion: 62 Resp: 109076

Ion Ratio Lower Upper

62 100

98 8.5 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VV017668.D (-1243) (-)

Ion 98.05 (97.75 to 98.75): VV017668.D (-1243) (-)

5.15

60000

50000

40000

30000

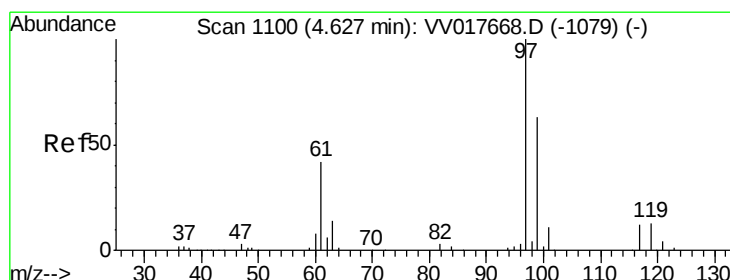
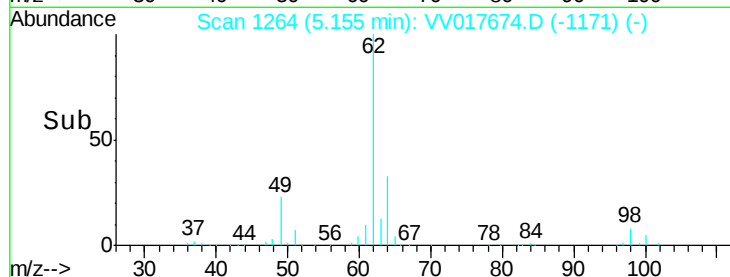
20000

10000

0

Time-->

5.05 5.10 5.15 5.20 5.25



#29

1,1,1-Trichloroethane

Concen: 7.973 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

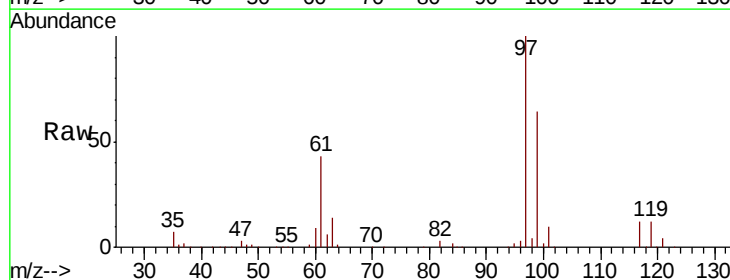
Tgt Ion: 97 Resp: 198399

Ion Ratio Lower Upper

97 100

99 63.9 50.6 76.0

61 42.3 35.7 53.5



Abundance Ion 96.95 (96.65 to 97.65): VV017668.D (-1079) (-)

Ion 99.05 (98.75 to 99.75): VV017668.D (-1079) (-)

Ion 61.05 (60.75 to 61.75): VV017668.D (-1079) (-)

4.63

100000

80000

60000

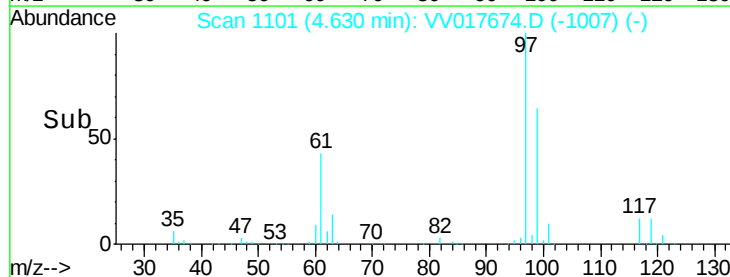
40000

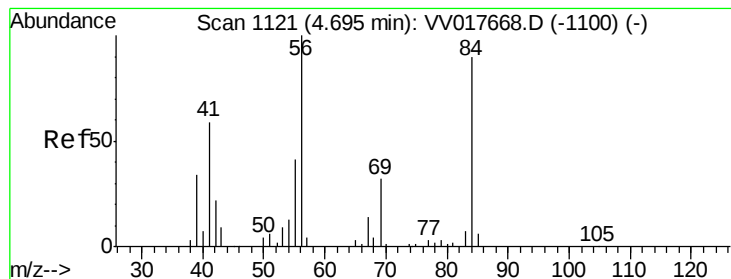
20000

0

Time-->

4.50 4.60 4.70





#30

Cyclohexane

Concen: 9.695 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Instrument :
MSVOA_V
ClientSampleId :

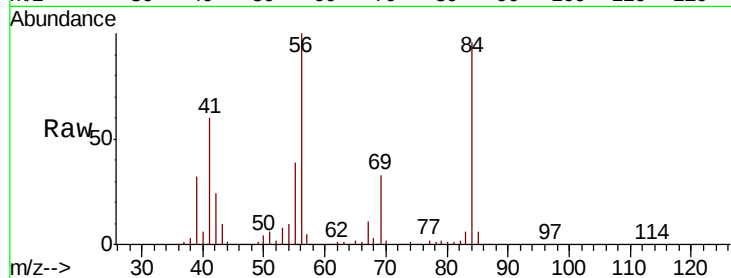
Tot Ion: 56 Resp: 191143

Ion Ratio Lower Upper

56 100

69 32.1 25.4 38.2

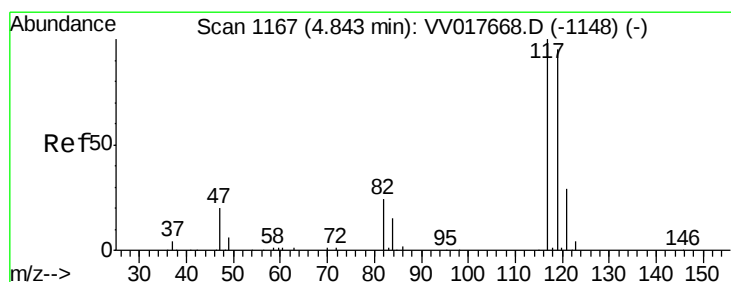
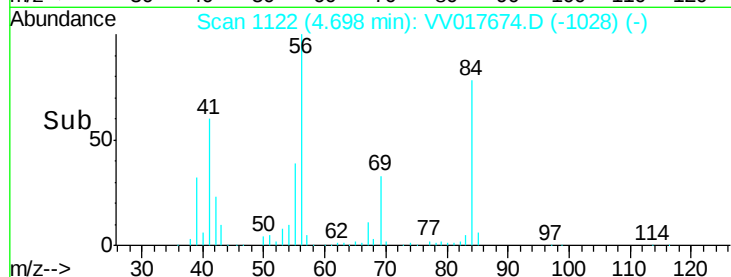
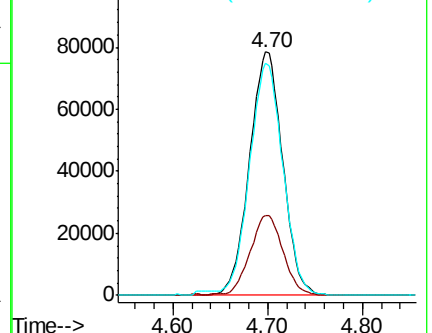
84 96.1 73.0 109.4



Abundance Ion 56.10 (55.80 to 56.80): VV017668.D (-1100) (-)

Ion 69.15 (68.85 to 69.85): VV017668.D (-1100) (-)

Ion 84.15 (83.85 to 84.85): VV017668.D (-1100) (-)



#31

Carbon tetrachloride

Concen: 1.045 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.21 min

Lab File: VV017674.D

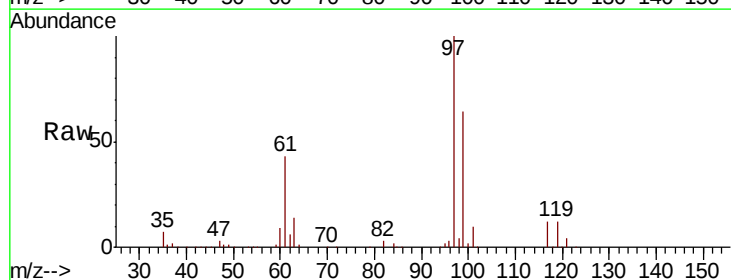
Acq: 27 Jul 2020 13:25

Tgt Ion: 117 Resp: 23130

Ion Ratio Lower Upper

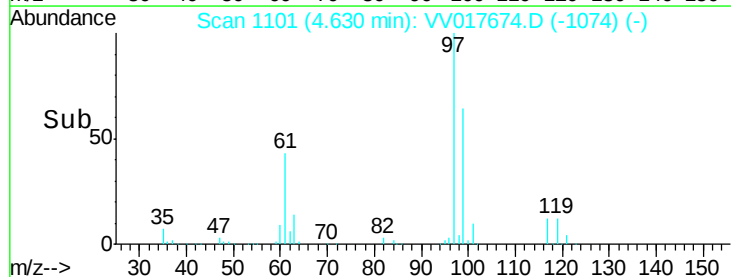
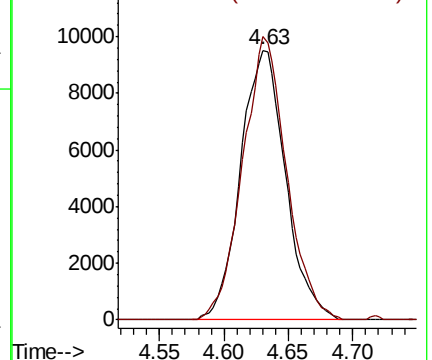
117 100

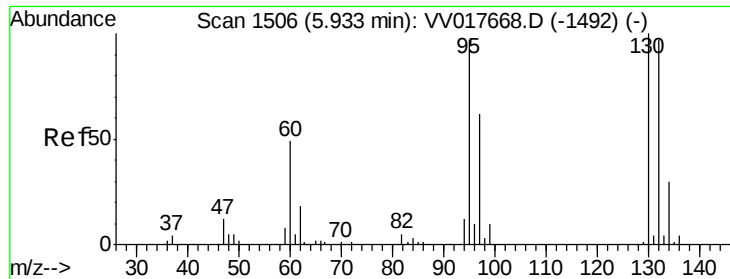
119 102.6 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): VV017668.D (-1148) (-)

Ion 118.90 (118.60 to 119.60): VV017668.D (-1148) (-)

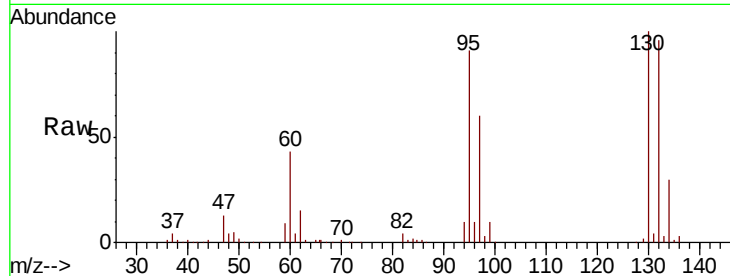




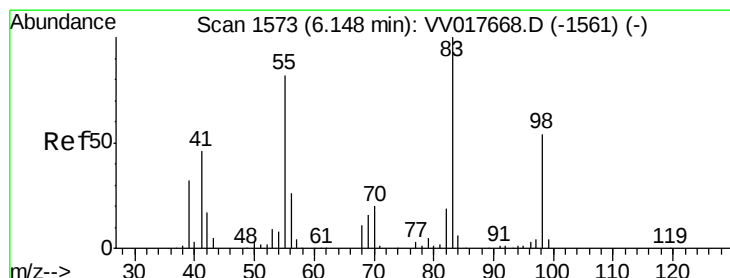
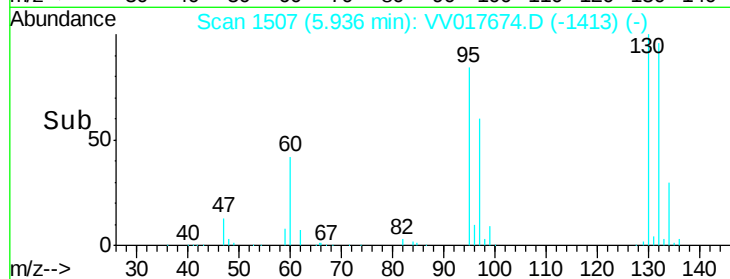
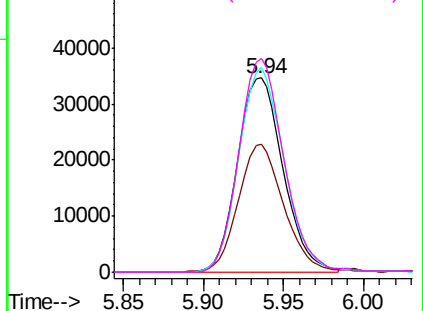
#34
 Trichloroethene
 Concen: 4.802 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017674.D
 Acq: 27 Jul 2020 13:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 67525
 Ion Ratio Lower Upper
 95 100
 97 65.7 46.1 85.5
 132 105.5 71.7 133.1
 130 109.9 74.3 137.9

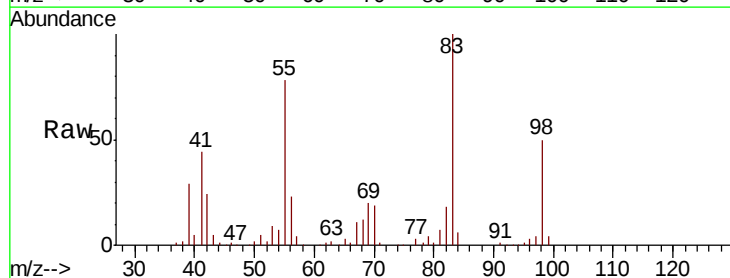


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

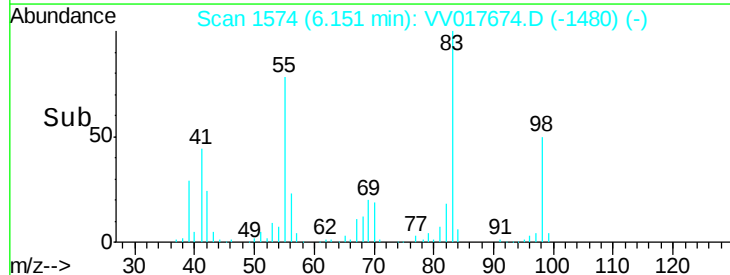
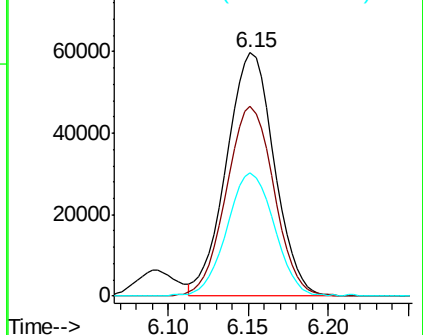


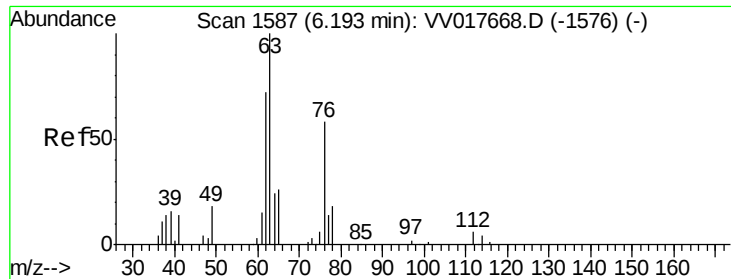
#35
 Methylcyclohexane
 Concen: 5.713 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV017674.D
 Acq: 27 Jul 2020 13:25

Tgt Ion: 83 Resp: 121524
 Ion Ratio Lower Upper
 83 100
 55 77.6 61.8 92.8
 98 50.7 39.0 58.6



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: 1.939 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Instrument :

MSVOA_V

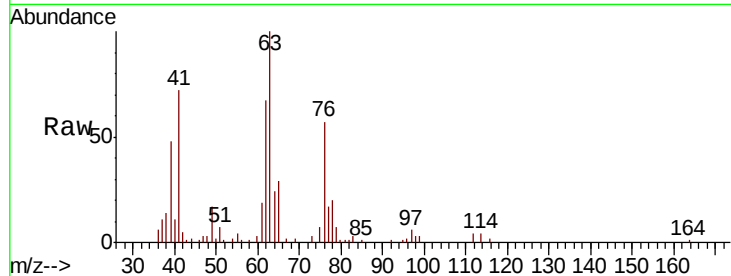
ClientSampleId :

Tot Ion: 63 Resp: 22940

Ion Ratio Lower Upper

63 100

112 4.8 4.5 6.7



Abundance Ion 63.10 (62.80 to 63.80): VV017668.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV017668.D (-1576) (-)

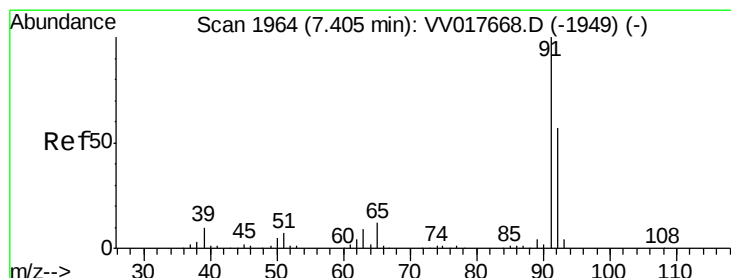
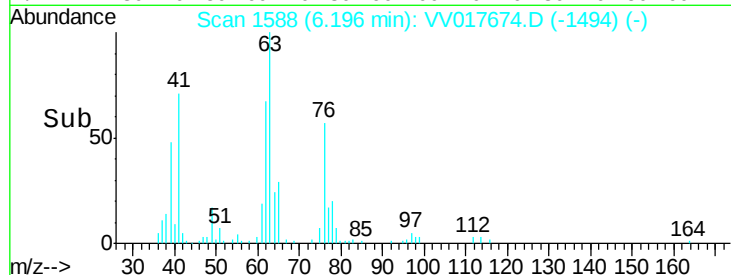
6.20

10000

5000

0

Time-->



#42

Toluene

Concen: 7.872 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017674.D

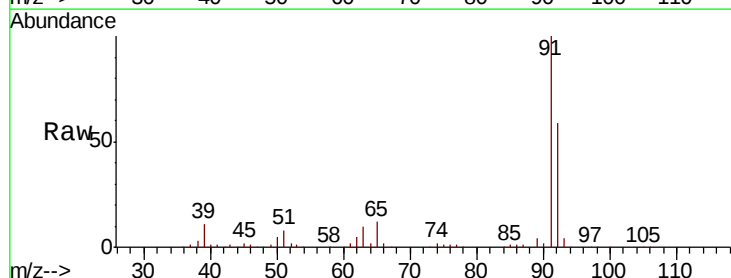
Acq: 27 Jul 2020 13:25

Tgt Ion: 91 Resp: 432335

Ion Ratio Lower Upper

91 100

92 59.0 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017668.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017668.D (-1949) (-)

7.41

250000

200000

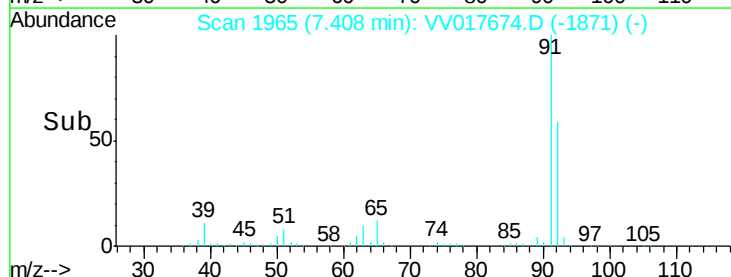
150000

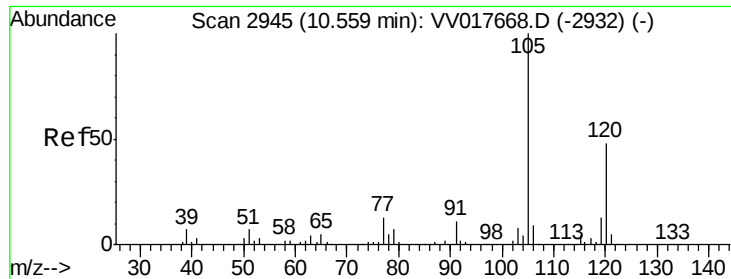
100000

50000

0

Time-->





#43

1,3,5-Trimethylbenzene

Concen: 3.862 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.61 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Instrument :

MSVOA_V

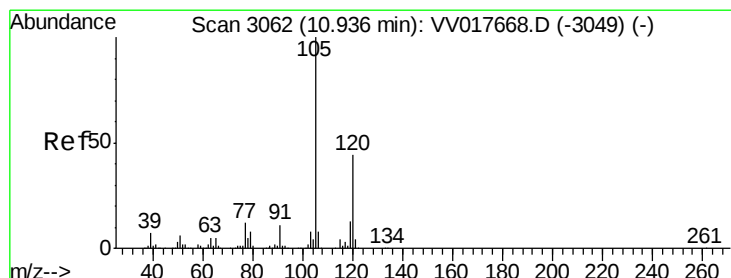
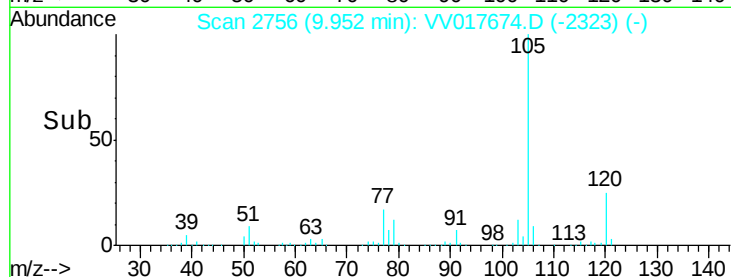
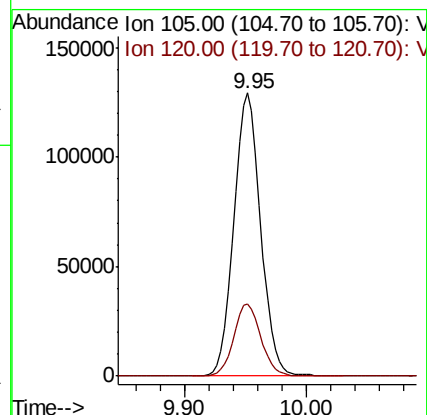
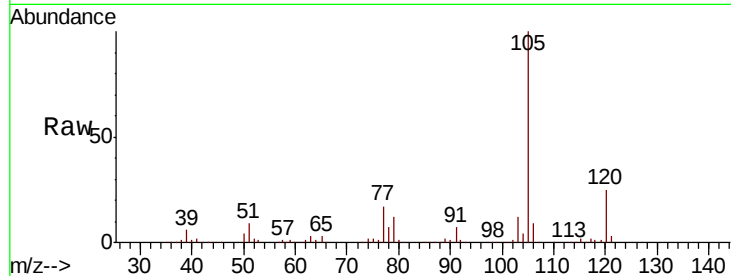
ClientSampled :

Tot Ion:105 Resp: 198060

Ion Ratio Lower Upper

105 100

120 25.9 39.4 59.2#



#44

1,2,4-Trimethylbenzene

Concen: 3.780 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.98 min

Lab File: VV017674.D

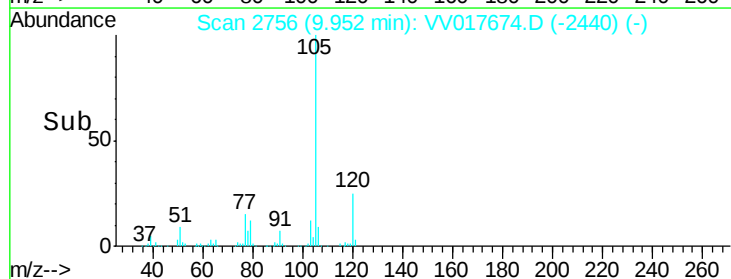
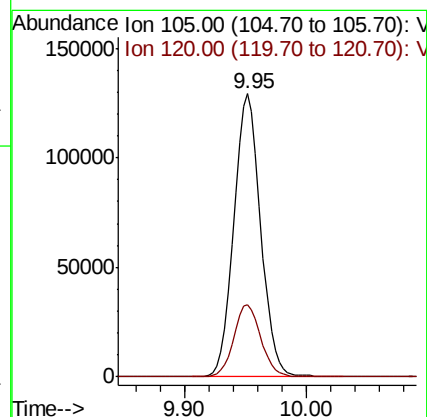
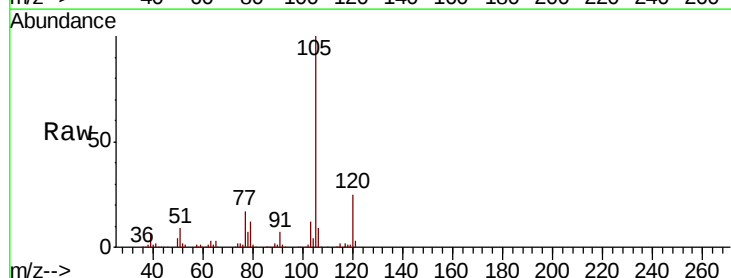
Acq: 27 Jul 2020 13:25

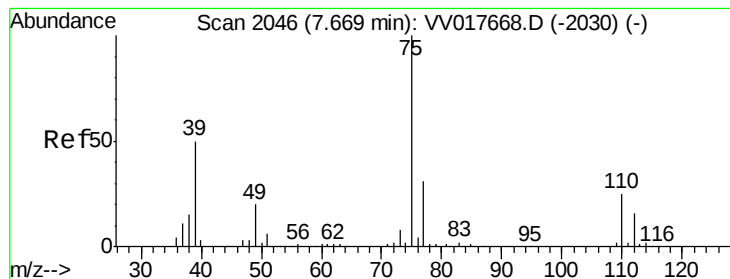
Tgt Ion:105 Resp: 198060

Ion Ratio Lower Upper

105 100

120 25.9 35.9 53.9#





#46

trans-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Instrument :

MSVOA_V

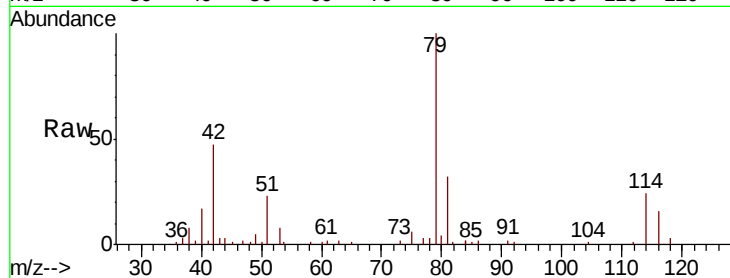
ClientSampleId :

Tot Ion: 75 Resp: 1108

Ion Ratio Lower Upper

75 100

77 53.4 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.64

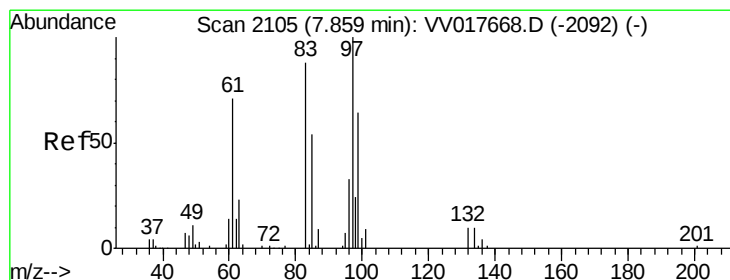
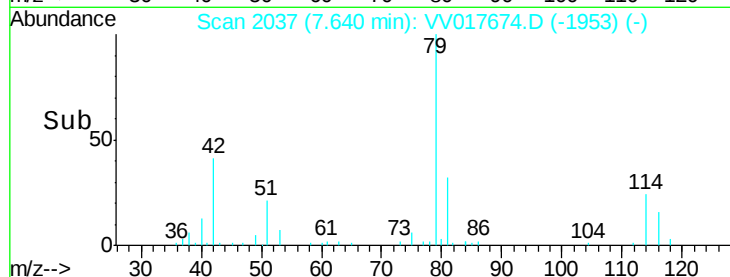
600

400

200

0

Time-->



#47

1,1,2-Trichloroethane

Concen: 0.106 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.14 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Tgt Ion: 97 Resp: 955

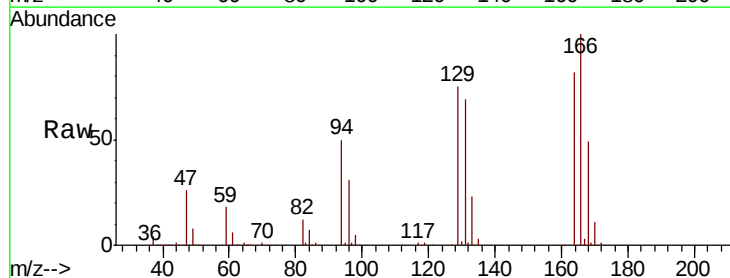
Ion Ratio Lower Upper

97 100

99 26.3 39.5 73.4#

83 161.9 52.6 97.6#

85 34.7 35.1 65.1#



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

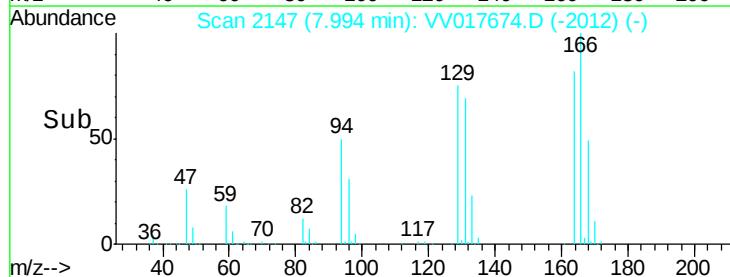
1500

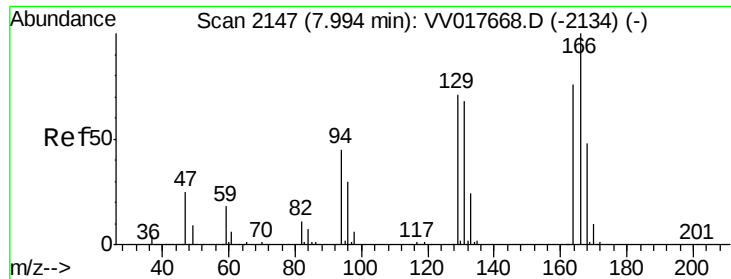
1000

500

0

Time-->





#49

Tetrachloroethene

Concen: 8.089 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 100292

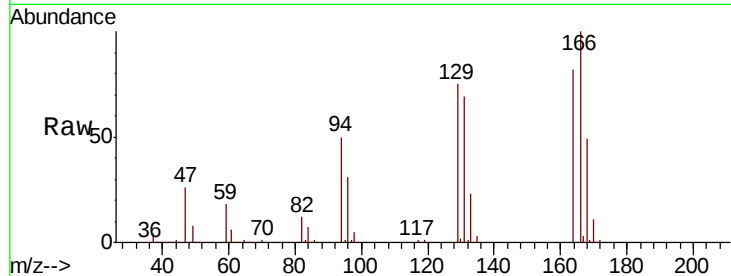
Ion Ratio Lower Upper

164 100

129 91.2 65.0 120.8

131 84.7 63.6 118.2

166 122.1 91.7 170.3

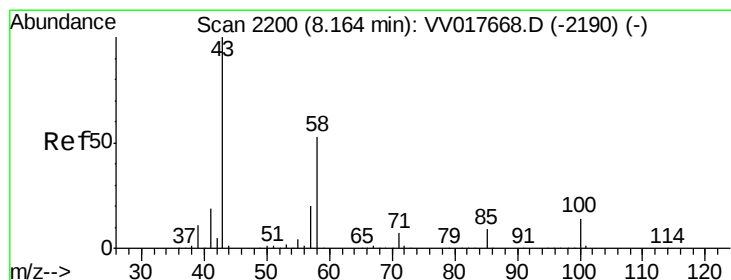
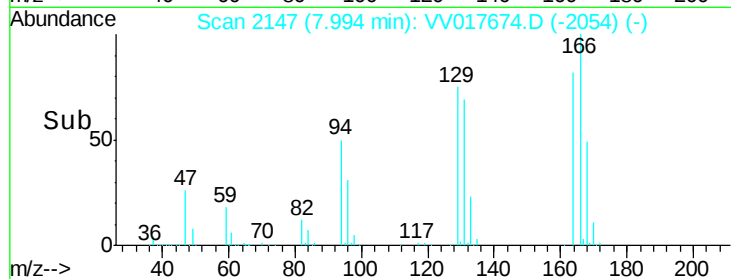
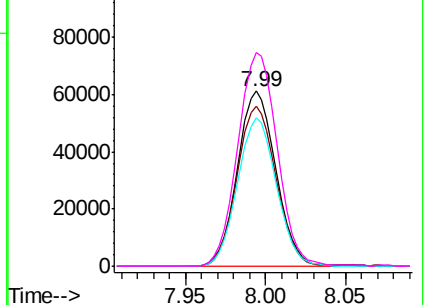


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 50.011 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. -0.01 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Tgt Ion: 43 Resp: 229558

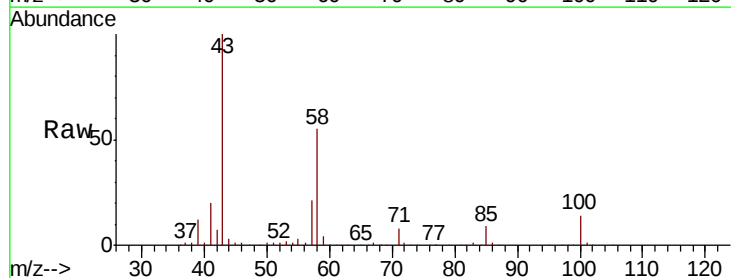
Ion Ratio Lower Upper

43 100

58 52.7 41.6 62.4

57 21.0 15.4 23.0

100 14.4 11.2 16.8

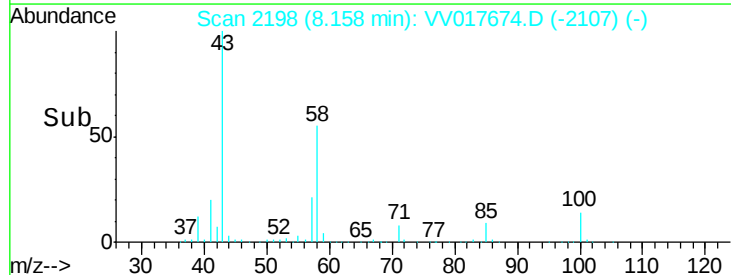
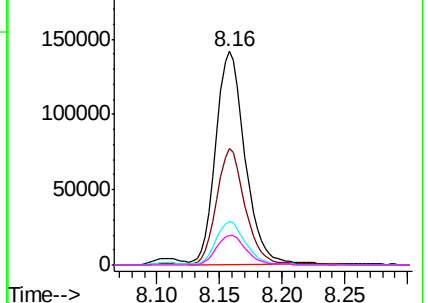


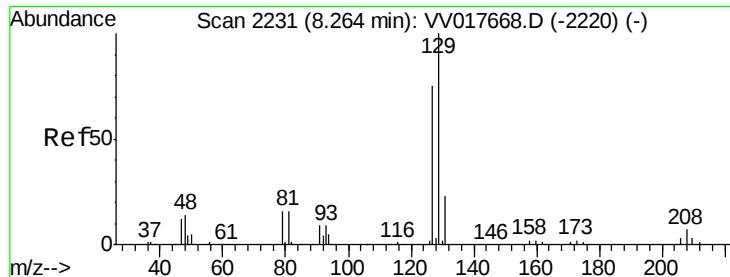
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#51

Dibromochloromethane

Concen: 7.867 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.27 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

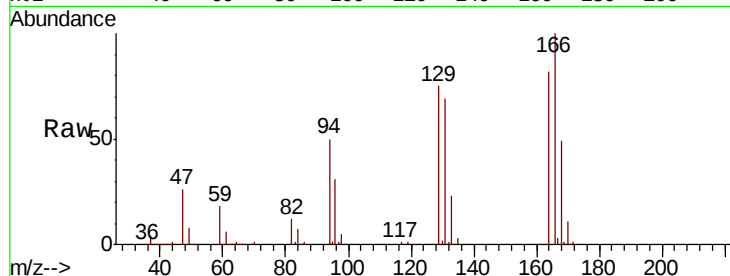
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 89850

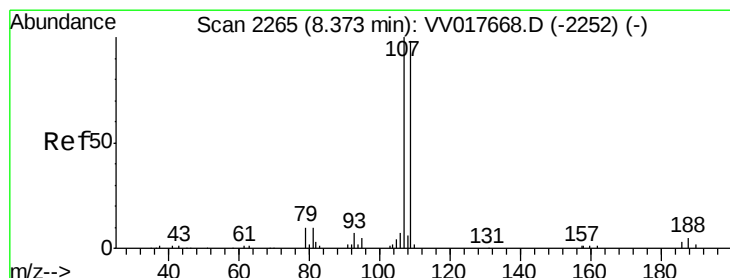
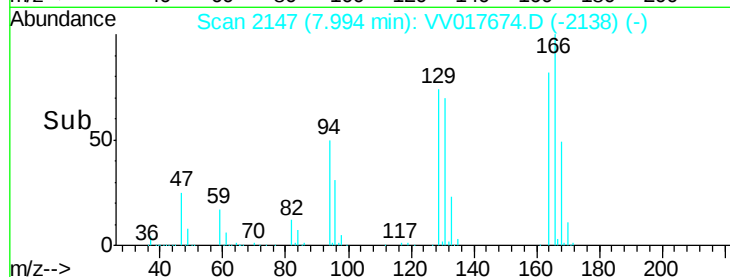
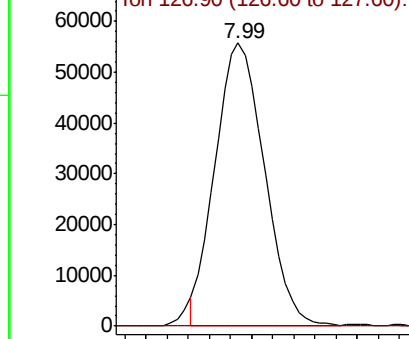
Ion Ratio Lower Upper

129 100

127 0.3 56.3 104.5#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#52

1,2-Dibromoethane

Concen: 13.467 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

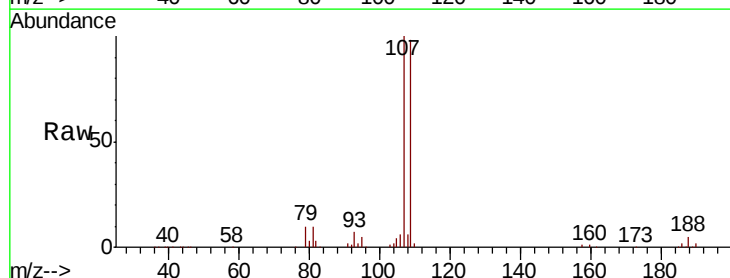
Tgt Ion:107 Resp: 114036

Ion Ratio Lower Upper

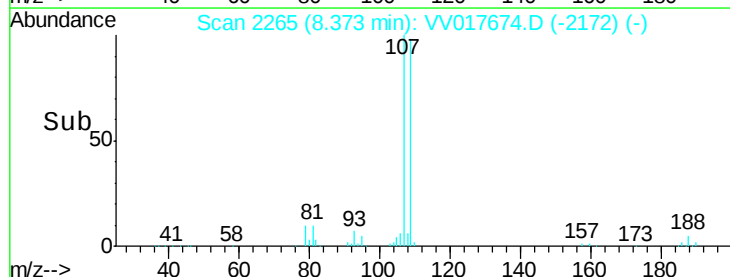
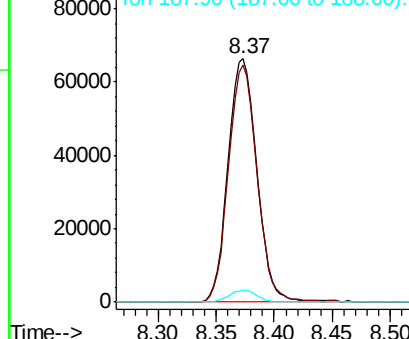
107 100

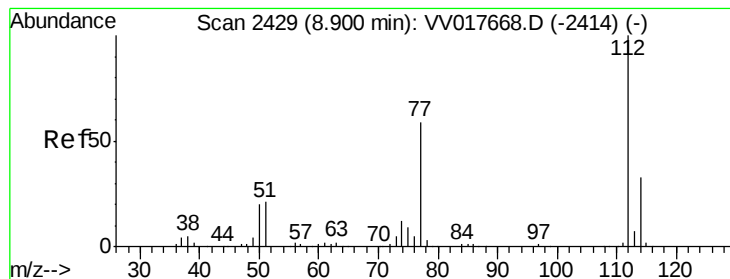
109 97.5 65.5 121.7

188 4.6 3.7 5.5



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





#53

Chlorobenzene

Concen: 9.948 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Instrument :
MSVOA_V
ClientSampleId :

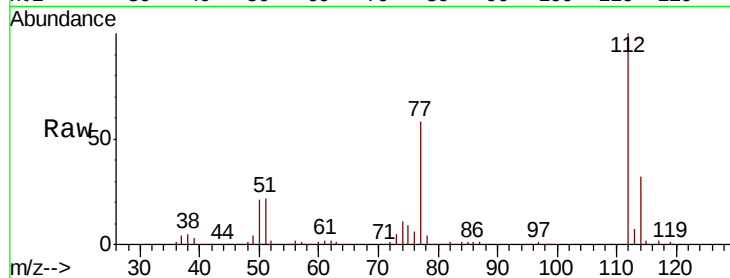
Tot Ion:112 Resp: 364238

Ion Ratio Lower Upper

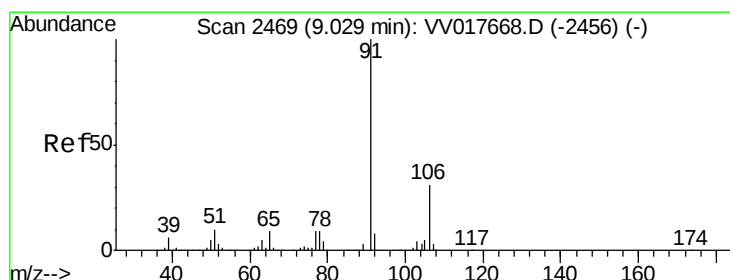
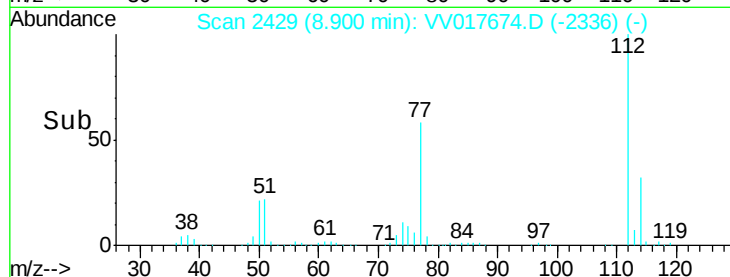
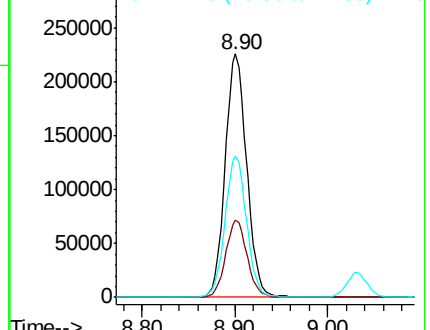
112 100

114 31.6 23.2 43.2

77 58.2 45.6 68.4



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): V



#54

Ethylbenzene

Concen: 6.179 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017674.D

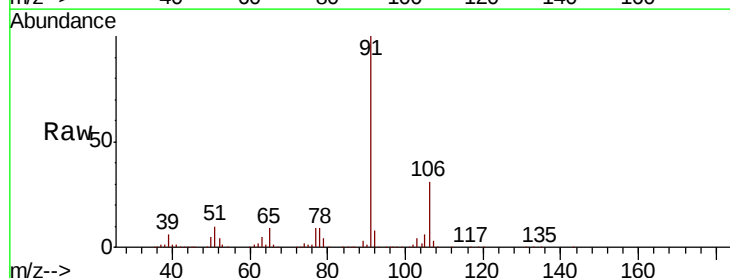
Acq: 27 Jul 2020 13:25

Tgt Ion: 91 Resp: 379966

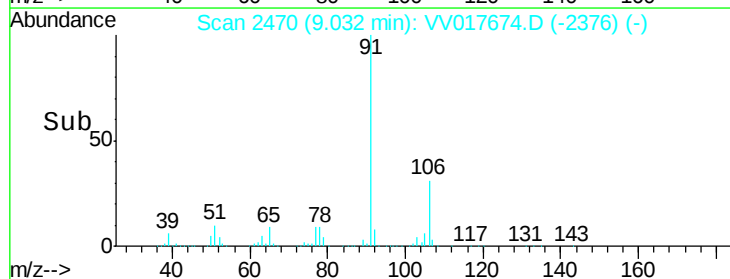
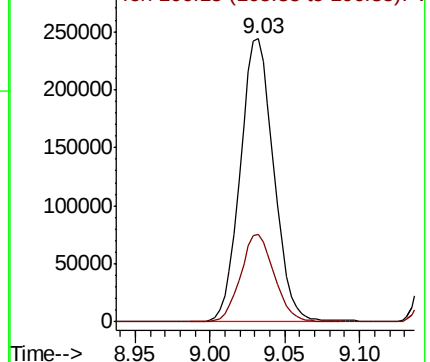
Ion Ratio Lower Upper

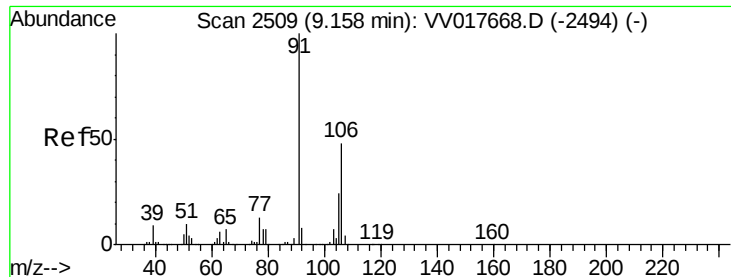
91 100

106 31.0 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): V
Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 12.993 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

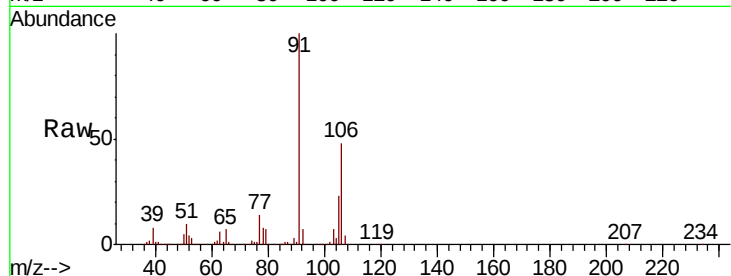
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 300897

Ion Ratio Lower Upper

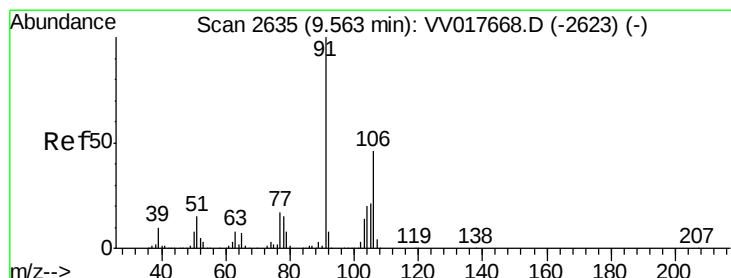
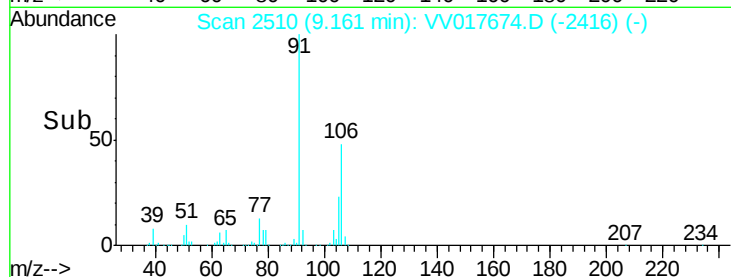
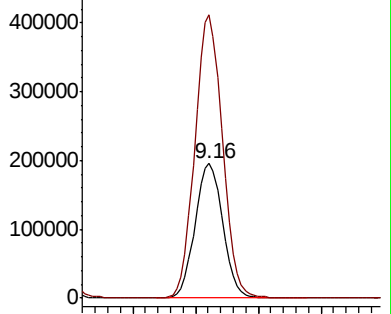
106 100

91 209.9 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 5.219 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017674.D

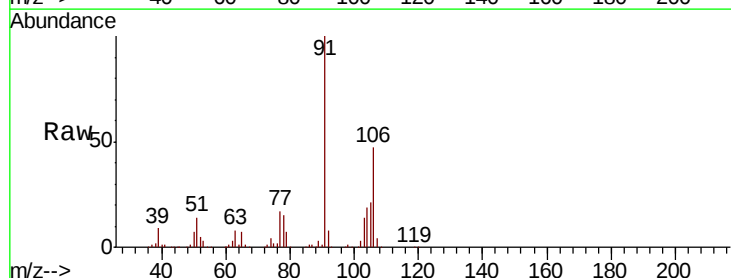
Acq: 27 Jul 2020 13:25

Tgt Ion:106 Resp: 117290

Ion Ratio Lower Upper

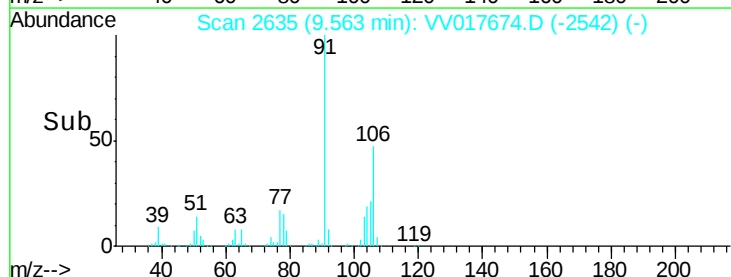
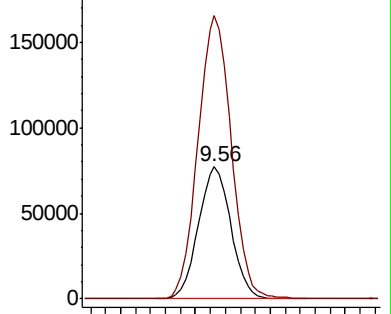
106 100

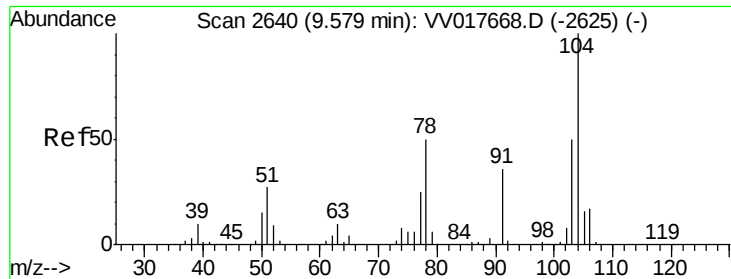
91 214.6 153.9 285.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

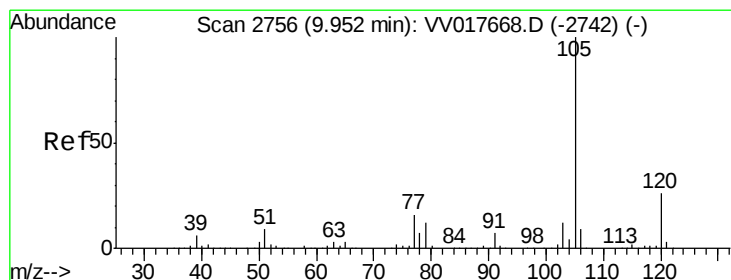
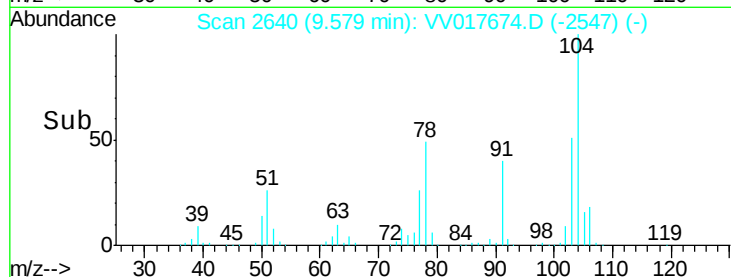
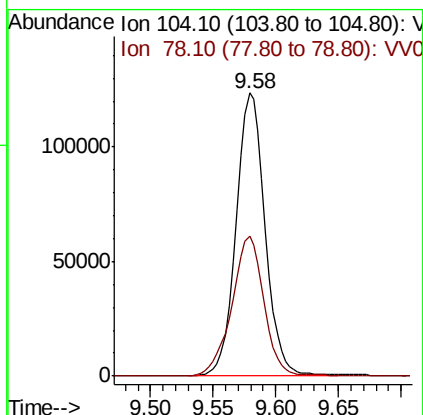
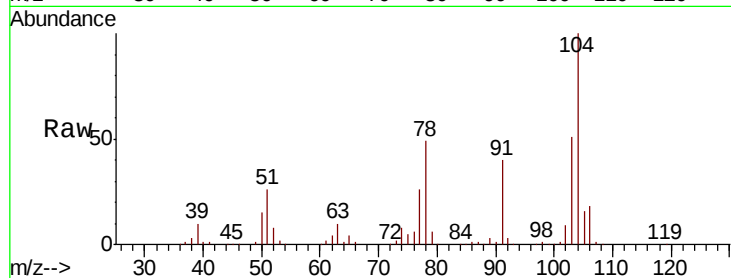




#57
Stvrene
Concen: 5.291 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV017674.D
Acq: 27 Jul 2020 13:25

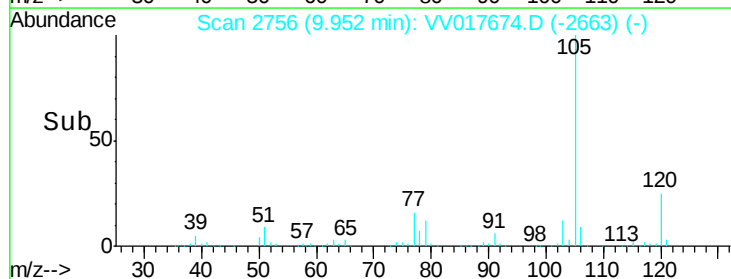
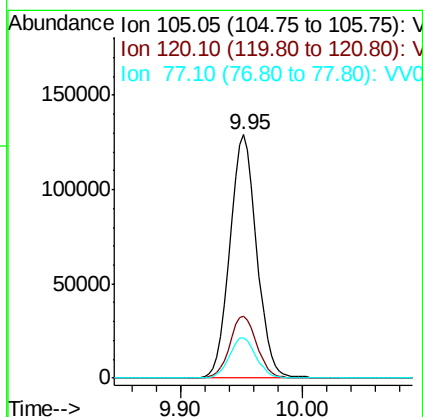
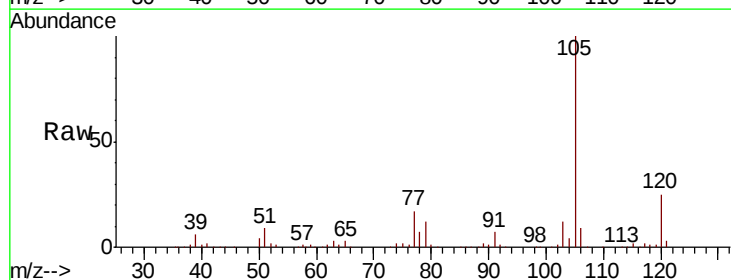
Instrument :
MSVOA_V
ClientSampleId :

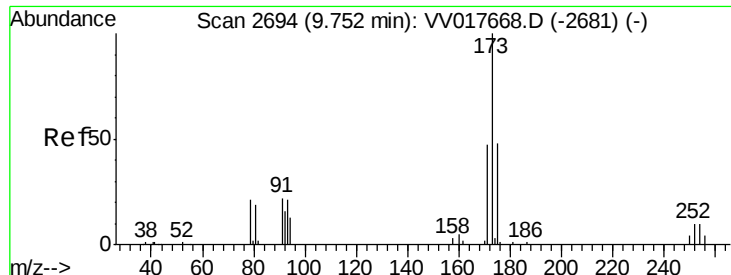
Tot Ion:104 Resp: 198394
Ion Ratio Lower Upper
104 100
78 49.3 34.0 63.2



#58
Isopropylbenzene
Concen: 3.195 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VV017674.D
Acq: 27 Jul 2020 13:25

Tgt Ion:105 Resp: 198060
Ion Ratio Lower Upper
105 100
120 25.9 21.1 31.7
77 16.7 13.0 19.6





#62

Bromoform

Concen: 5.106 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Instrument :
MSVOA_V
ClientSampleId :

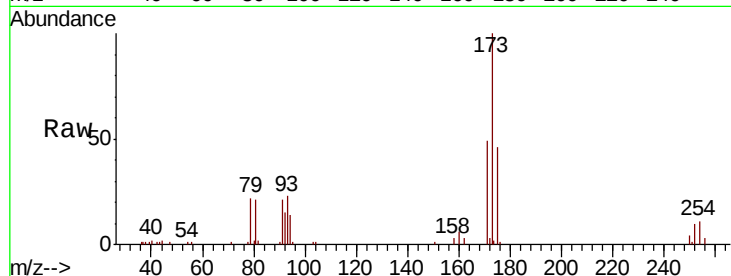
Tot Ion:173 Resp: 30147

Ion Ratio Lower Upper

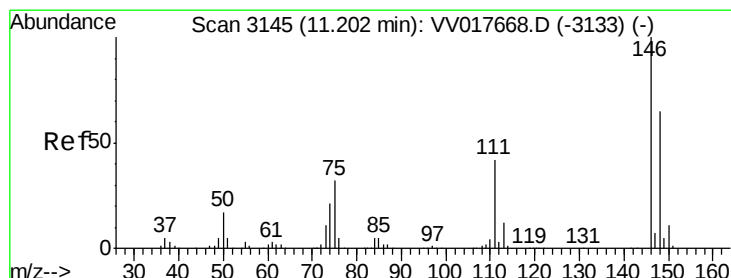
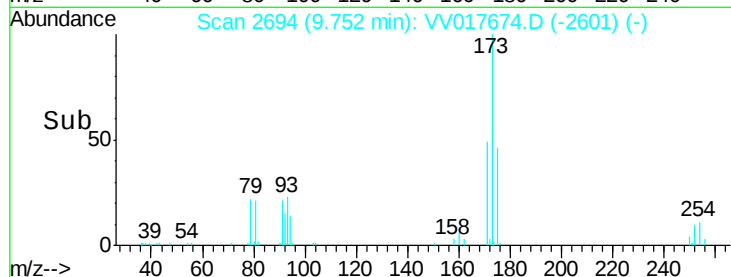
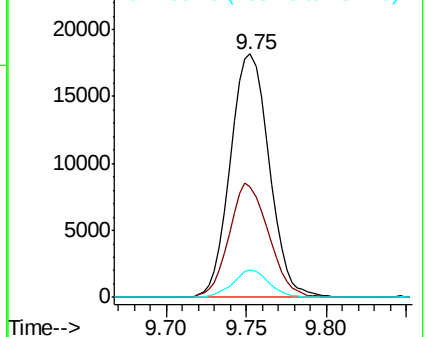
173 100

175 47.5 39.6 59.4

254 10.4 8.4 12.6



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 4.171 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.09 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

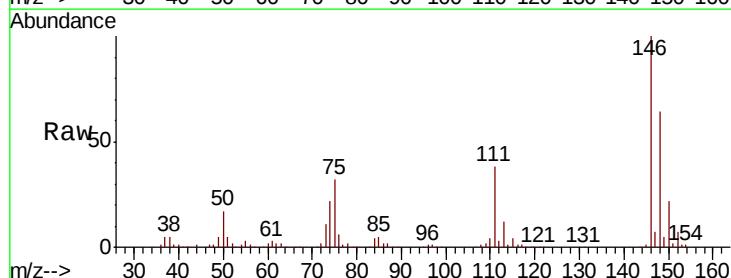
Tgt Ion:146 Resp: 123869

Ion Ratio Lower Upper

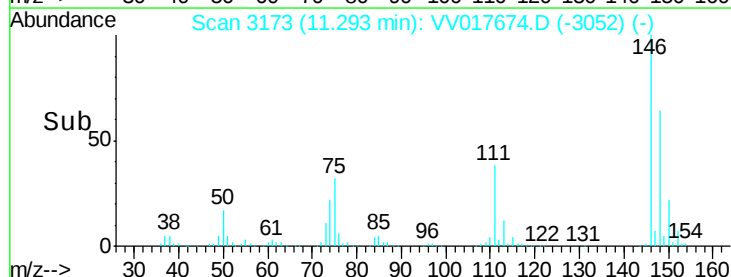
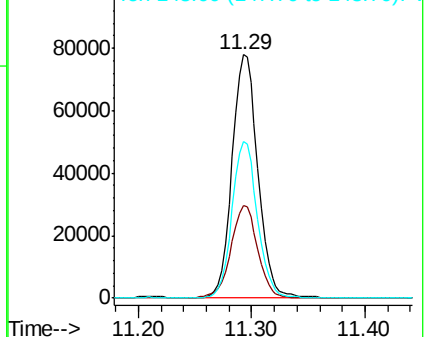
146 100

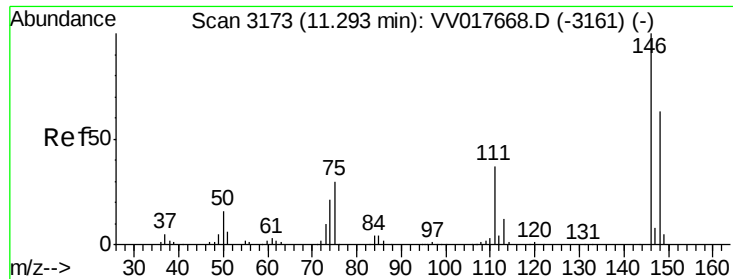
111 38.2 27.3 50.7

148 64.2 45.6 84.6



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





#64

1,4-Dichlorobenzene

Concen: 4.156 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Instrument :

MSVOA_V

ClientSampled :

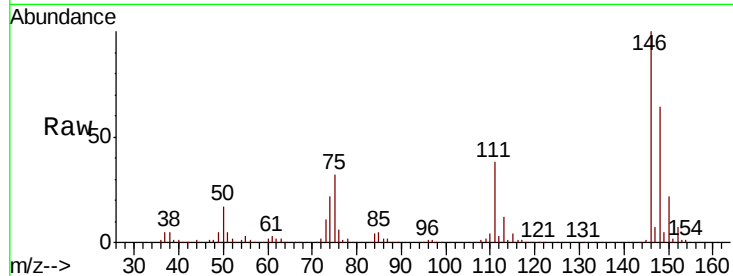
Tot Ion:146 Resp: 123869

Ion Ratio Lower Upper

146 100

111 38.2 27.4 51.0

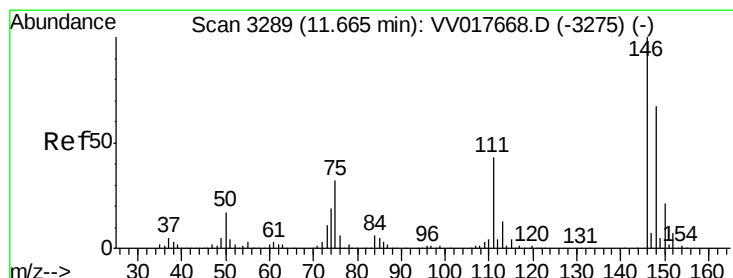
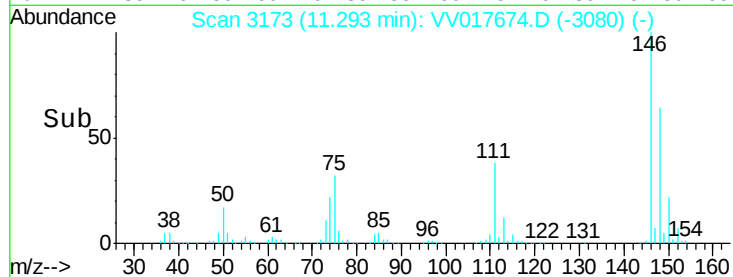
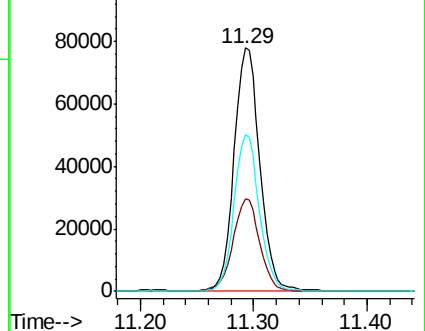
148 64.2 43.8 81.4



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-Dichlorobenzene

Concen: 11.672 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

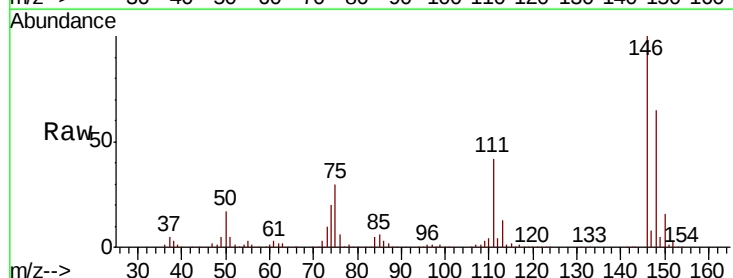
Tgt Ion:146 Resp: 315789

Ion Ratio Lower Upper

146 100

111 41.8 33.0 49.4

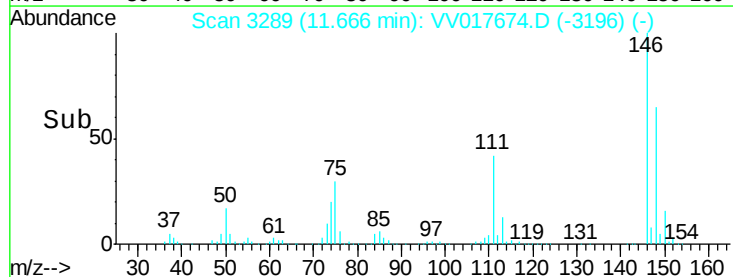
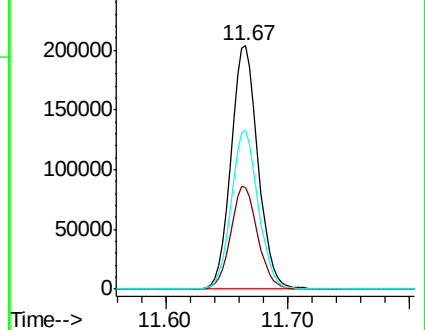
148 65.4 49.9 74.9

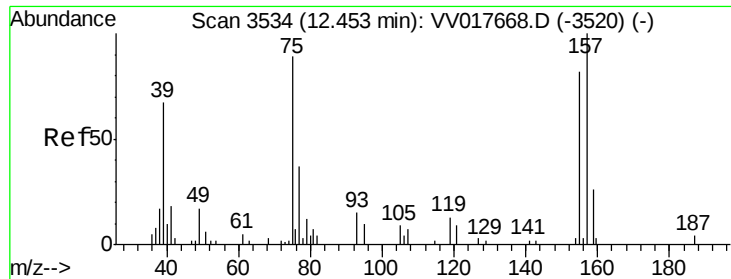


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 3.552 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Instrument :

MSVOA_V

ClientSampleId :

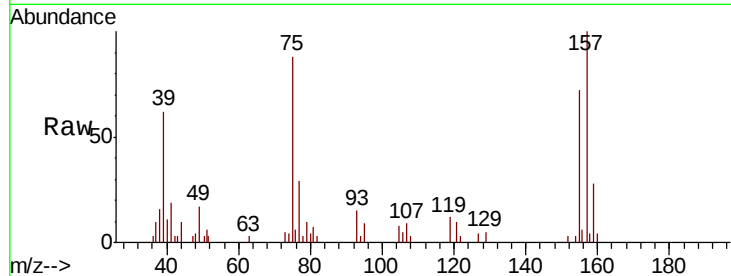
Tot Ion: 75 Resp: 6009

Ion Ratio Lower Upper

75 100

155 81.5 68.7 103.1

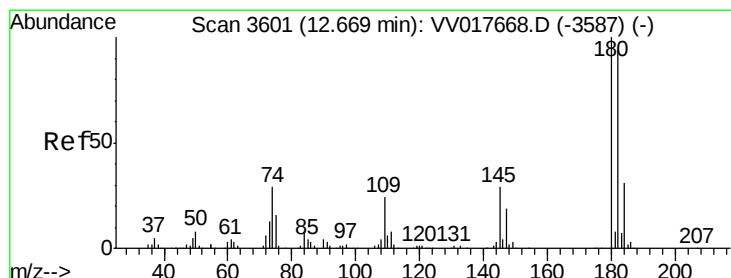
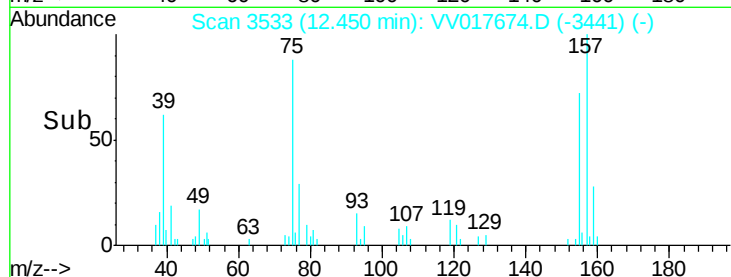
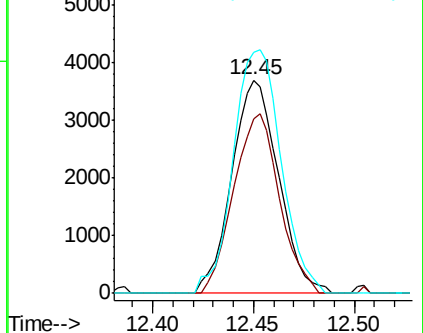
157 113.0 87.8 131.8



Abundance Ion 75.05 (74.75 to 75.75): VV017668.D (-3520) (-)

Ion 154.95 (154.65 to 155.65): VV017668.D (-3520) (-)

Ion 156.90 (156.60 to 157.60): VV017668.D (-3520) (-)



#68

1,3,5-Trichlorobenzene

Concen: 5.624 ug/L

RT: 12.67 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VV017674.D

Acq: 27 Jul 2020 13:25

Tgt Ion: 180 Resp: 135690

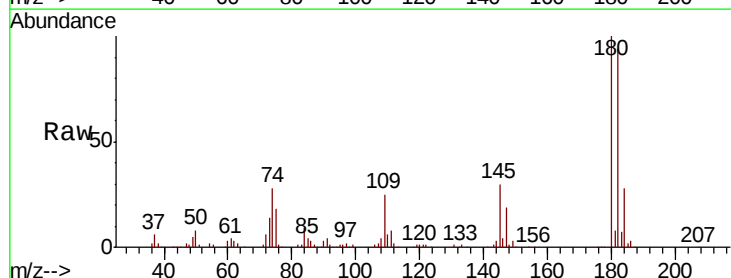
Ion Ratio Lower Upper

180 100

182 94.1 77.1 115.7

184 29.2 25.2 37.8

145 29.6 24.1 36.1

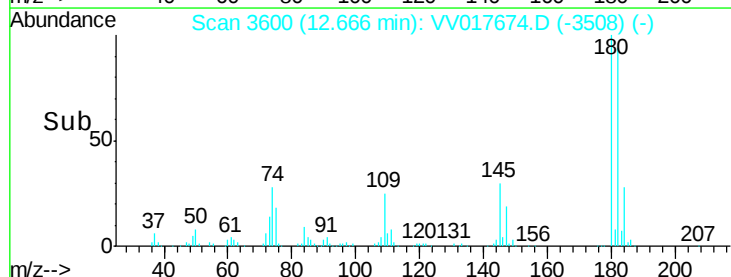
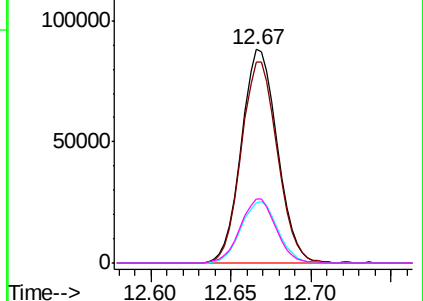


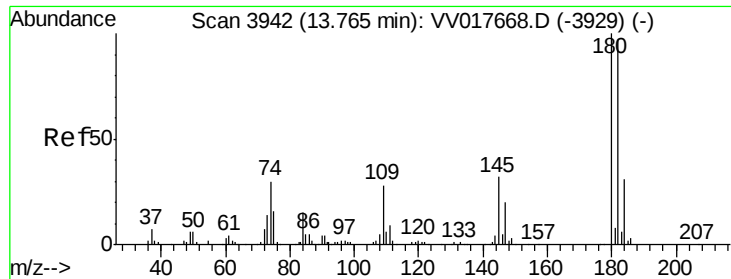
Abundance Ion 180.00 (179.70 to 180.70): VV017668.D (-3587) (-)

Ion 182.00 (181.70 to 182.70): VV017668.D (-3587) (-)

Ion 184.00 (183.70 to 184.70): VV017668.D (-3587) (-)

Ion 145.00 (144.70 to 145.70): VV017668.D (-3587) (-)





#71
 1,2,3-Trichlorobenzene
 Concen: 9.833 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017674.D
 Acq: 27 Jul 2020 13:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.3	74.2	111.4	
145	31.9	26.0	39.0	

