

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV063020\
 Data File : VV017255.D
 Acq On : 30 Jun 2020 12:49
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 01 05:57:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 01:37:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	174955	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	167088	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	89010	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44079	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.58	69	36843	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.12	63	89437	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.60%
20) 2-Butanone-d5	3.95	46	121099	45.25	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.50%
24) Chloroform-d	4.37	84	116017	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.06	65	60095	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.07	84	200727	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.09	67	59000	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.33	98	189664	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
45) trans-1,3-Dichloropropene-	7.64	79	26639	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
48) 2-Hexanone-d5	8.11	63	92184	44.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.52%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	42711	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	75395	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	65448	4.686	ug/L 99
3) Chloromethane	1.25	50	50398	4.258	ug/L 99
5) Vinyl chloride	1.32	62	51292	4.468	ug/L 98
6) Bromomethane	1.53	94	33276	4.973	ug/L 95
8) Chloroethane	1.60	64	30052	4.737	ug/L 97
9) Trichlorofluoromethane	1.77	101	95256	5.124	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	45377	4.897	ug/L 98
12) 1,1-Dichloroethene	2.13	96	40208	4.789	ug/L 93
13) Acetone	2.24	43	60782	44.930	ug/L 65
14) Carbon disulfide	2.31	76	116179	4.618	ug/L 100
15) Methyl Acetate	2.46	43	12923	3.907	ug/L 97
16) Methylene chloride	2.52	84	43036	4.786	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	104934	4.977	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	44053	4.951	ug/L 98
19) 1,1-Dichloroethane	3.21	63	94110	4.707	ug/L 98
21) 2-Butanone	4.04	43	106153	41.626	ug/L 97
22) cis-1,2-Dichloroethene	3.94	96	56041	4.606	ug/L # 99

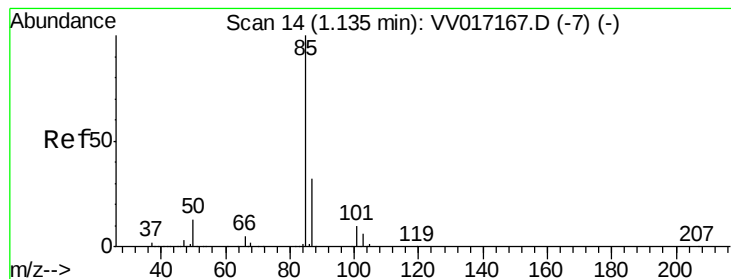
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV063020\
 Data File : VV017255.D
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Instrument :
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 01:37:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	24697	4.776	ug/L	91
25) Chloroform	4.40	83	105029	4.810	ug/L	96
27) 1,2-Dichloroethane	5.16	62	68132	5.022	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	101505	5.071	ug/L	97
30) Cyclohexane	4.70	56	84090	4.414	ug/L	96
31) Carbon tetrachloride	4.85	117	90653	5.019	ug/L	98
33) Benzene	5.12	78	210992	4.822	ug/L	100
34) Trichloroethene	5.94	95	56851	4.437	ug/L	94
35) Methylcyclohexane	6.15	83	94340	4.736	ug/L	97
37) 1,2-Dichloropropane	6.20	63	49057	4.529	ug/L	99
38) Bromodichloromethane	6.53	83	70010	4.758	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	77734	4.830	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	283063	45.260	ug/L	99
42) Toluene	7.41	91	234725	4.614	ug/L	96
43) 1,3,5-Trimethylbenzene	10.56	105	228182	5.016	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	234788	5.068	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	67370	4.839	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	36228	4.715	ug/L	97
49) Tetrachloroethene	7.99	164	50608	4.907	ug/L	97
50) 2-Hexanone	8.16	43	205455	46.162	ug/L	100
51) Dibromochloromethane	8.27	129	48425	5.200	ug/L	97
52) 1,2-Dibromoethane	8.37	107	33740	4.631	ug/L	94
53) Chlorobenzene	8.90	112	149524	4.715	ug/L	97
54) Ethylbenzene	9.03	91	263203	4.847	ug/L	97
55) m,p-xylene	9.16	106	102101	4.794	ug/L	98
56) o-xylene	9.56	106	97999	4.931	ug/L	96
57) Styrene	9.58	104	164704	5.001	ug/L	98
58) Isopropylbenzene	9.95	105	271350	4.961	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	40478	5.094	ug/L	95
62) Bromoform	9.75	173	25901	5.439	ug/L	97
63) 1,3-Dichlorobenzene	11.20	146	131677	4.914	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	131203	4.817	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	119266	4.904	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.45	75	6981	5.190	ug/L	94
68) 1,3,5-Trichlorobenzene	12.67	180	103401	4.803	ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	84263	4.754	ug/L	99
70) Naphthalene	13.53	128	124230	4.964	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	73661	5.096	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.686 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

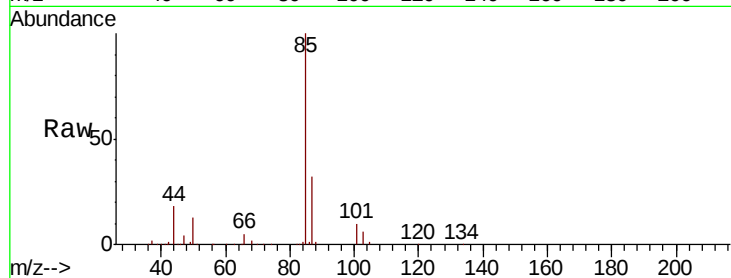
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 65448

Ion Ratio Lower Upper

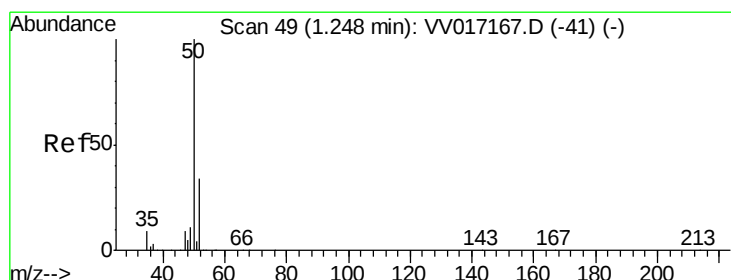
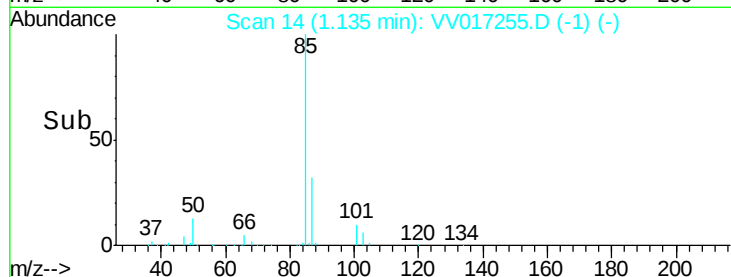
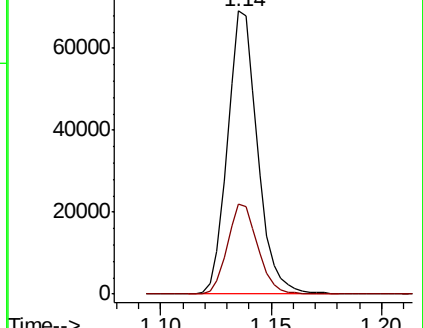
85 100

87 32.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017167.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017167.D (-7) (-)



#3

Chloromethane

Concen: 4.258 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017255.D

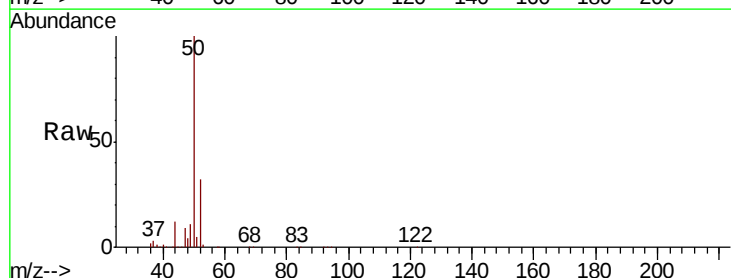
Acq: 30 Jun 2020 12:49

Tgt Ion: 50 Resp: 50398

Ion Ratio Lower Upper

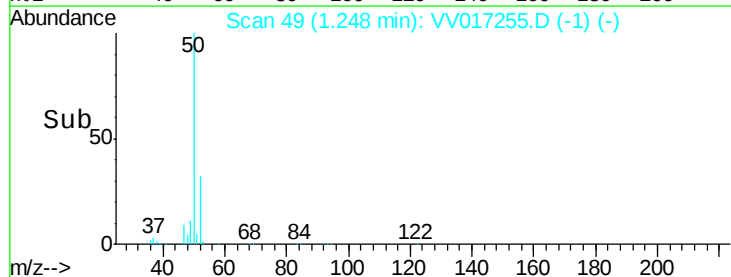
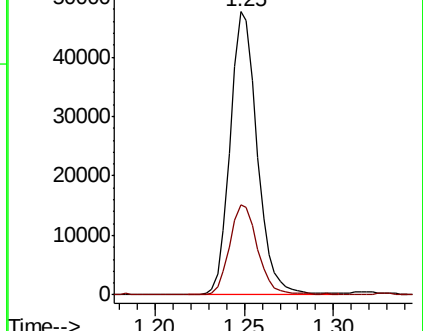
50 100

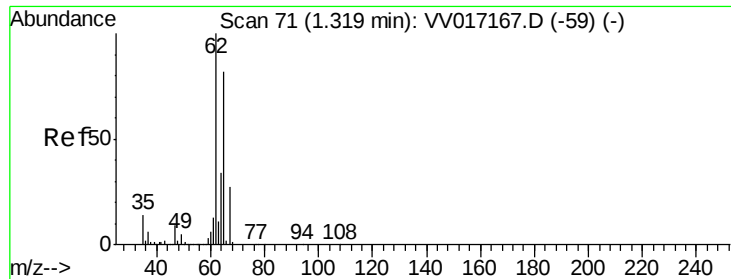
52 31.8 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV017167.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV017167.D (-41) (-)





#5

Vinyl chloride

Concen: 4.468 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

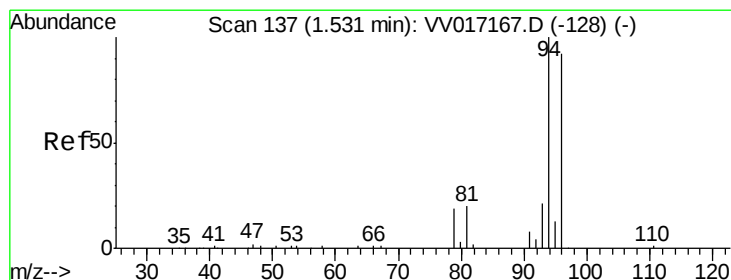
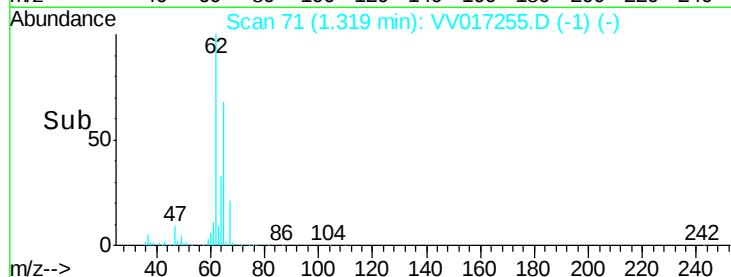
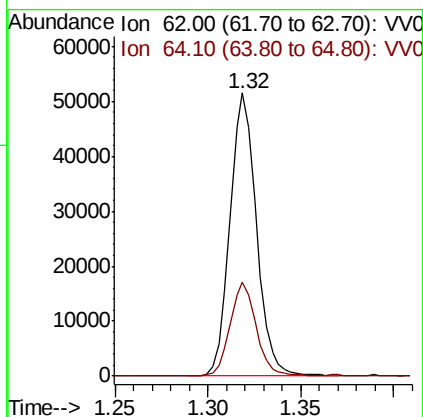
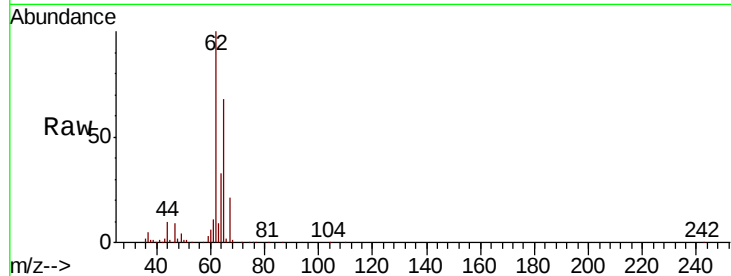
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 51292

Ion Ratio Lower Upper

62 100

64 33.0 22.5 41.7



#6

Bromomethane

Concen: 4.973 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017255.D

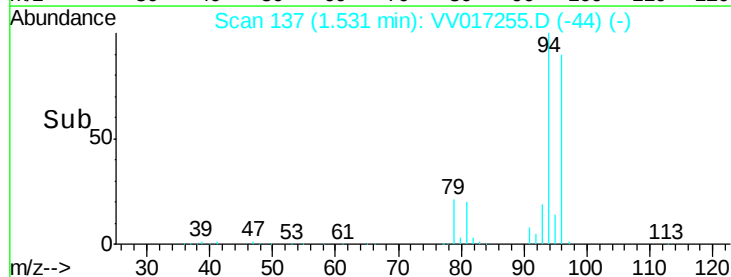
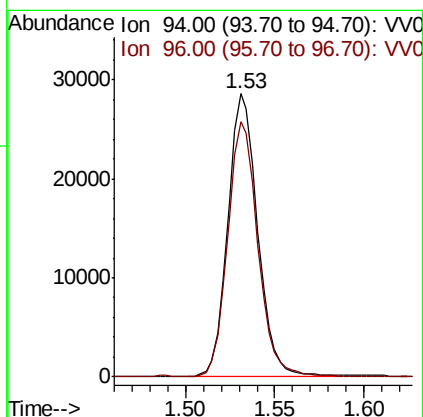
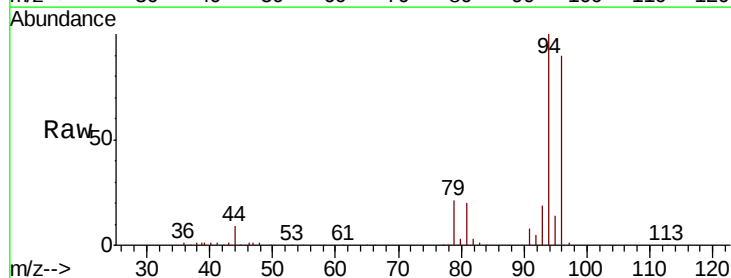
Acq: 30 Jun 2020 12:49

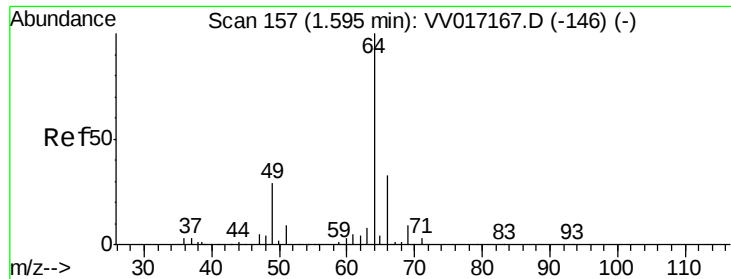
Tgt Ion: 94 Resp: 33276

Ion Ratio Lower Upper

94 100

96 90.0 66.2 123.0

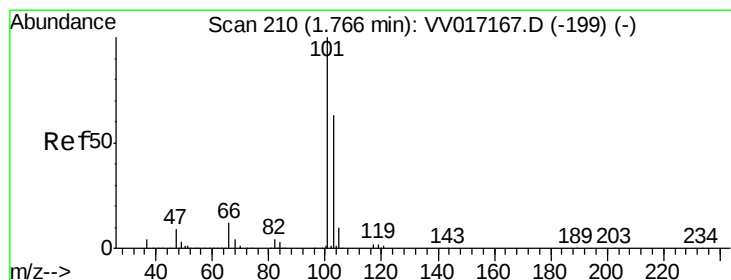
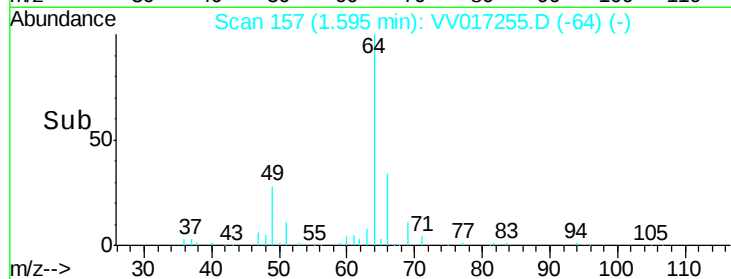
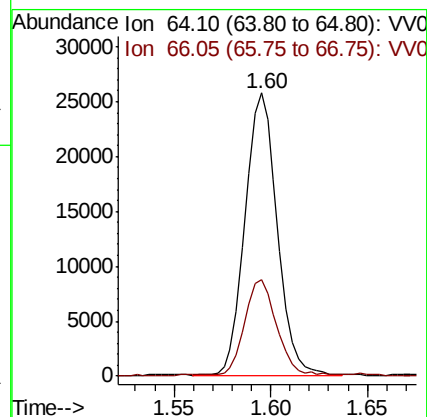
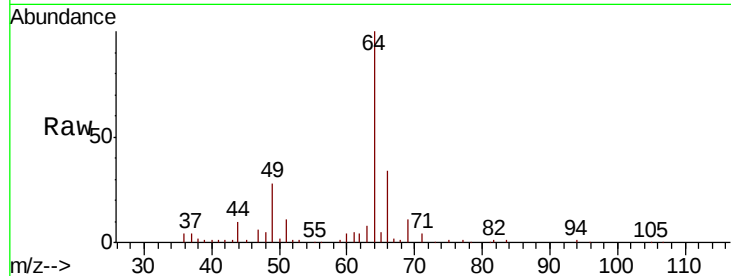




#8
Chloroethane
Concen: 4.737 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

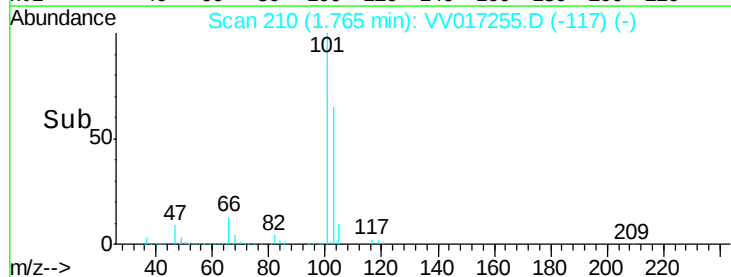
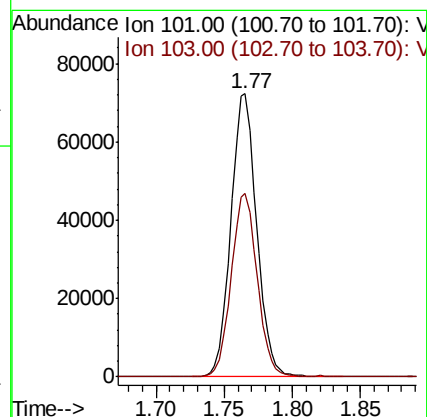
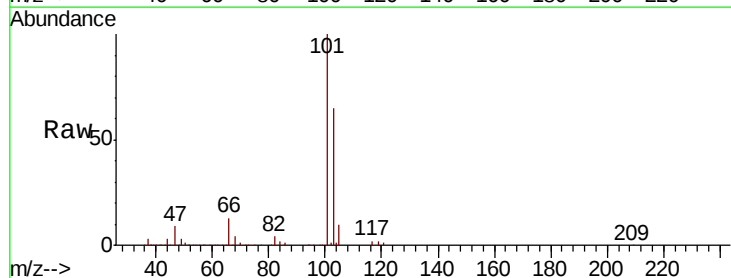
Instrument :
MSVOA_V
ClientSampleId :

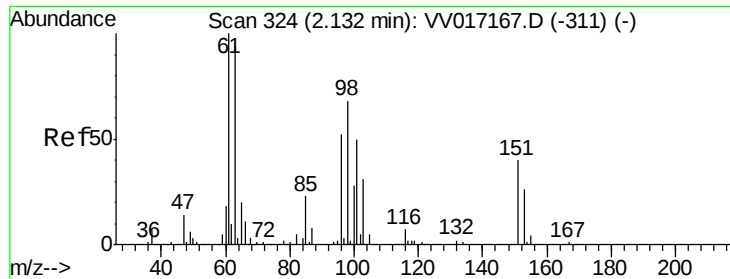
Tot Ion: 64 Resp: 30052
Ion Ratio Lower Upper
64 100
66 34.1 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.124 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

Tgt Ion:101 Resp: 95256
Ion Ratio Lower Upper
101 100
103 65.4 50.9 76.3





#10

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

Concen: 4.897 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

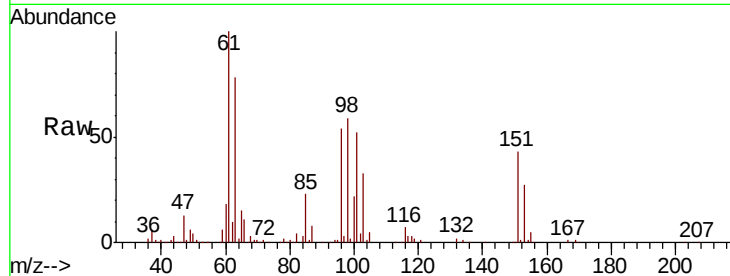
Tot Ion:101 Resp: 45377

Ion Ratio Lower Upper

101 100

85 45.3 35.4 53.2

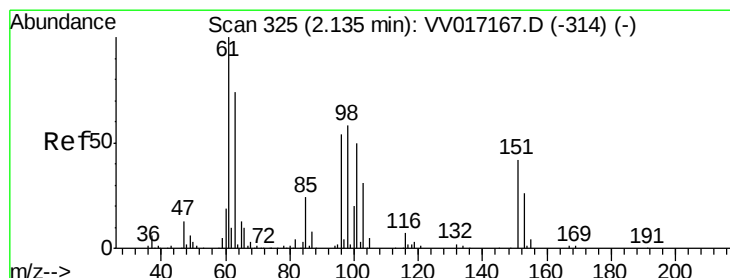
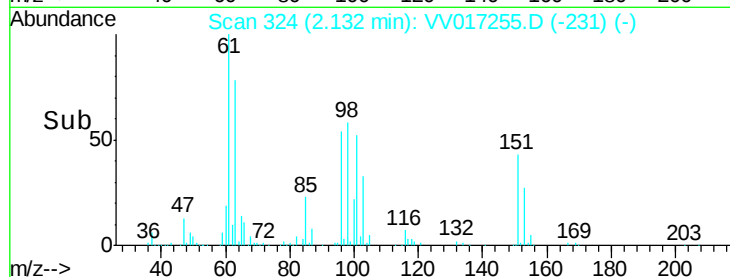
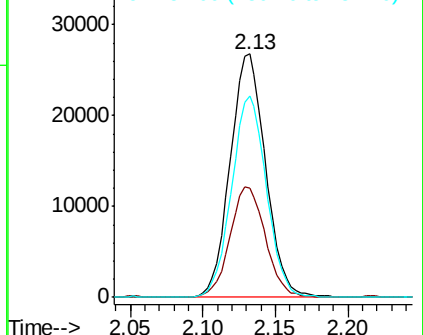
151 81.3 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.789 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

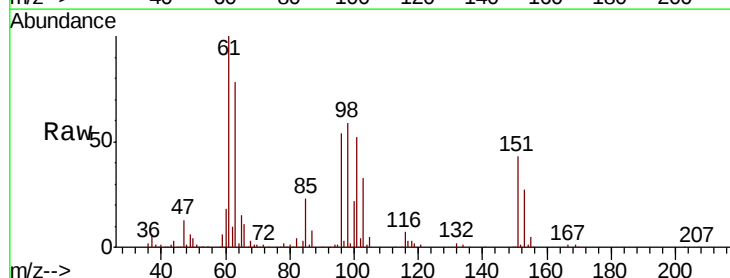
Tgt Ion: 96 Resp: 40208

Ion Ratio Lower Upper

96 100

61 185.9 125.0 232.2

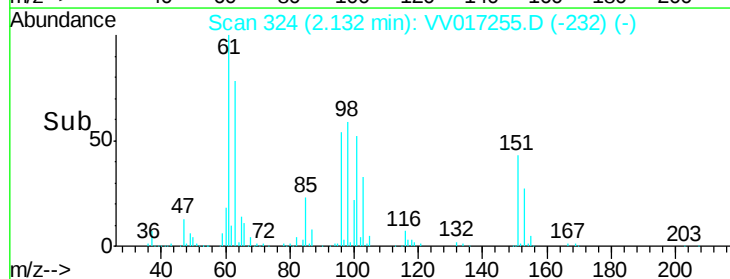
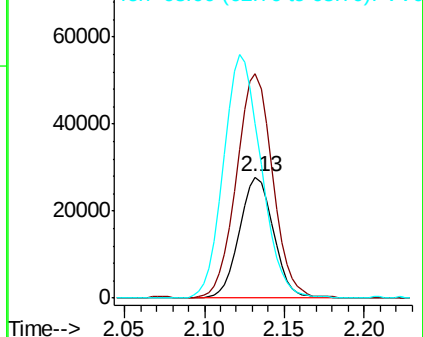
63 144.2 109.8 203.8

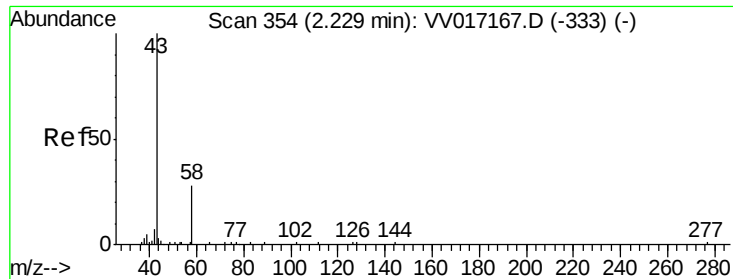


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 44.930 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

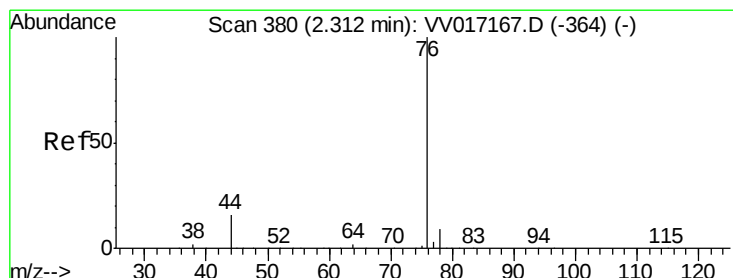
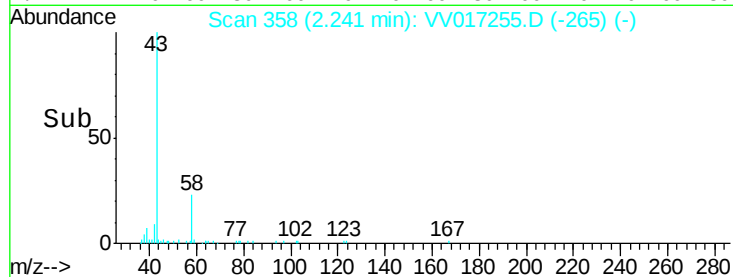
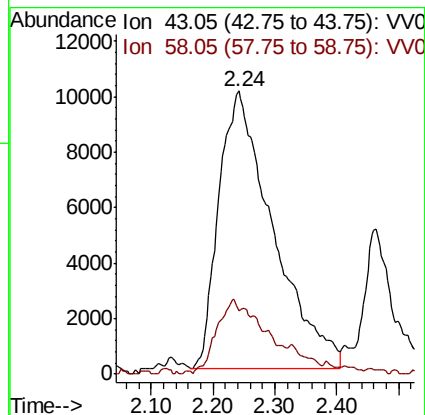
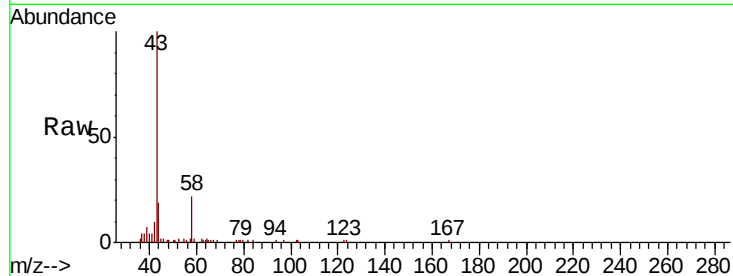
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 60782

Ion Ratio Lower Upper

43 100

58 10.6 0.0 58.4



#14

Carbon disulfide

Concen: 4.618 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017255.D

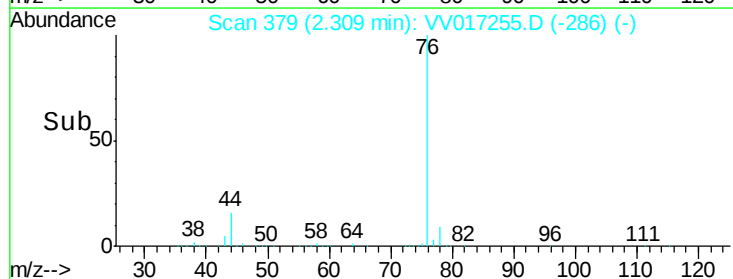
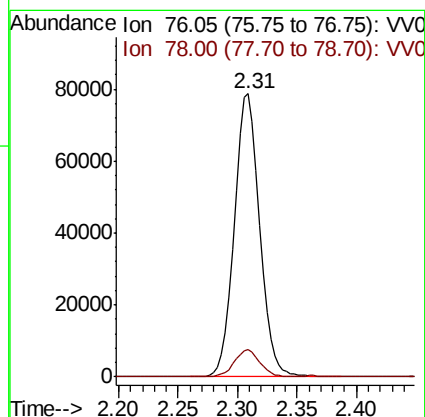
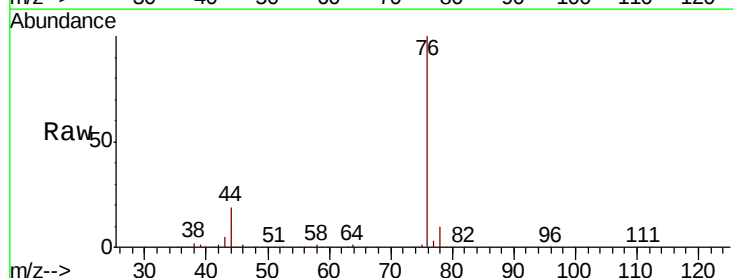
Acq: 30 Jun 2020 12:49

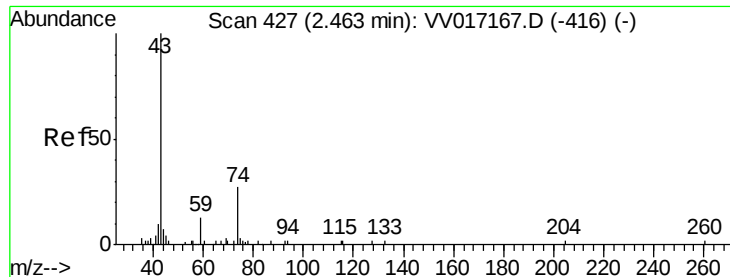
Tgt Ion: 76 Resp: 116179

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5

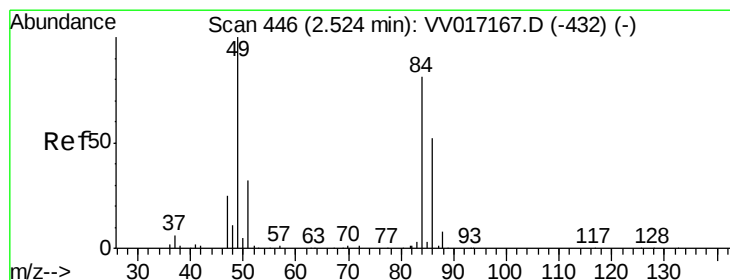
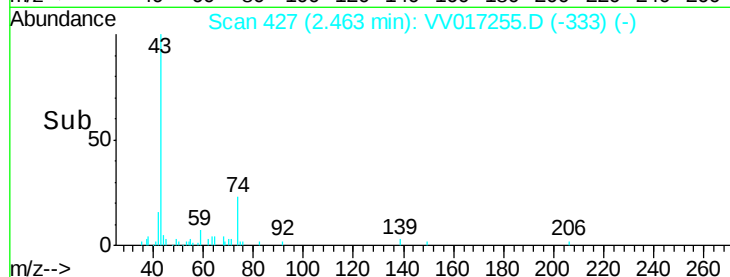
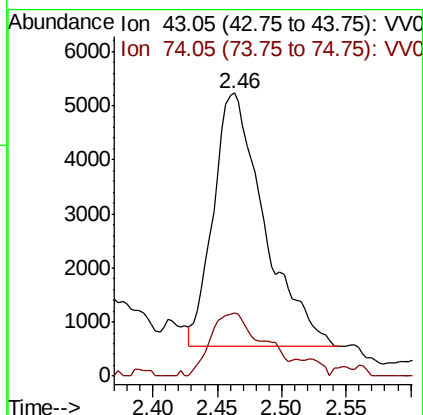
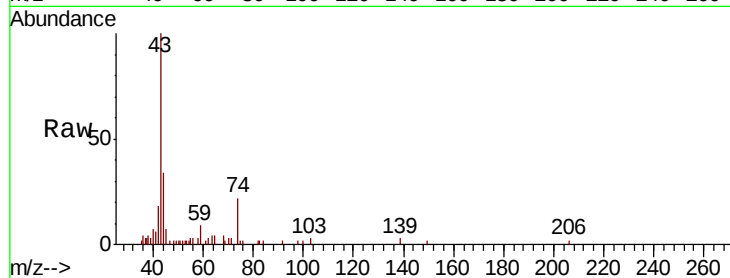




#15
Methvl Acetate
Concen: 3.907 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

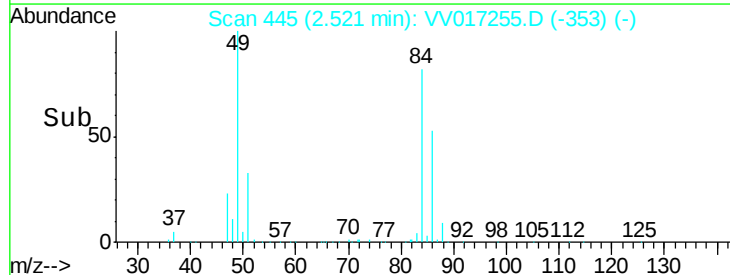
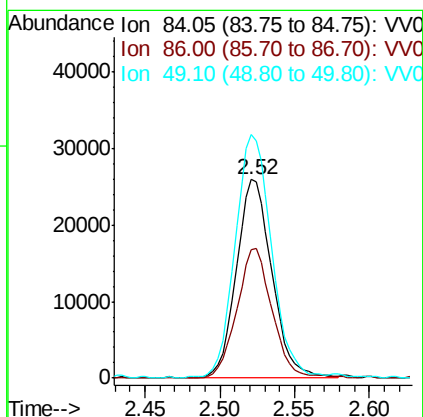
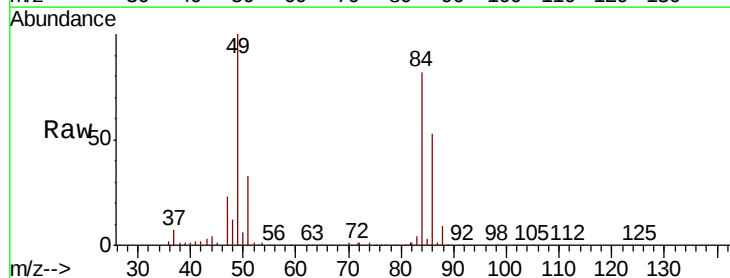
Instrument :
MSVOA_V
ClientSampled :

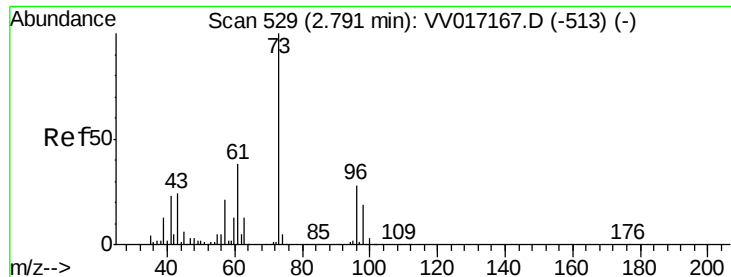
Tot Ion: 43 Resp: 12923
Ion Ratio Lower Upper
43 100
74 25.2 19.1 28.7



#16
Methylene chloride
Concen: 4.786 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

Tgt Ion: 84 Resp: 43036
Ion Ratio Lower Upper
84 100
86 64.8 45.8 85.0
49 122.7 89.6 166.4

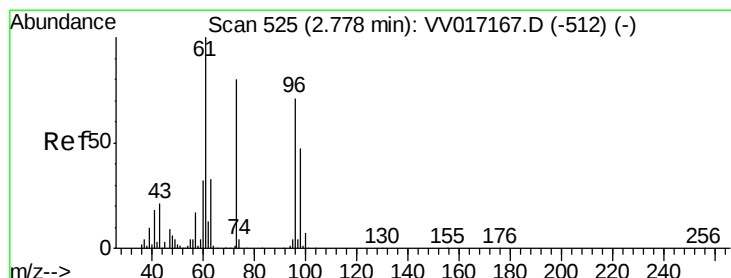
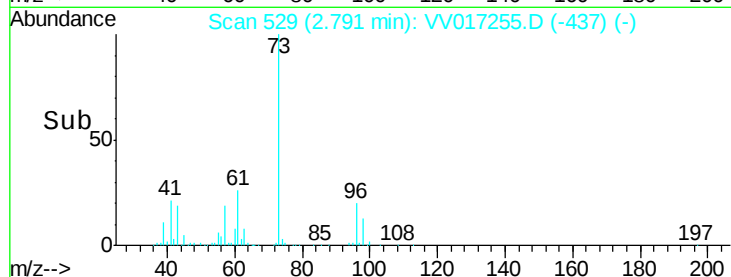
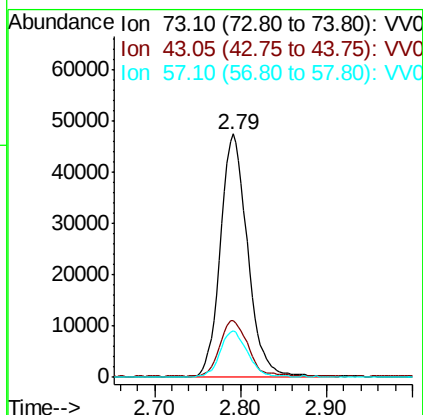
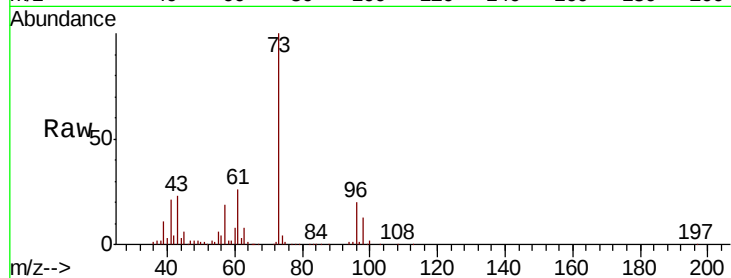




#17
Methvl tert-butvl Ether
Concen: 4.977 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

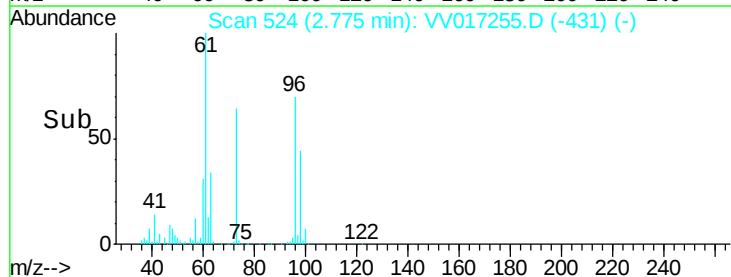
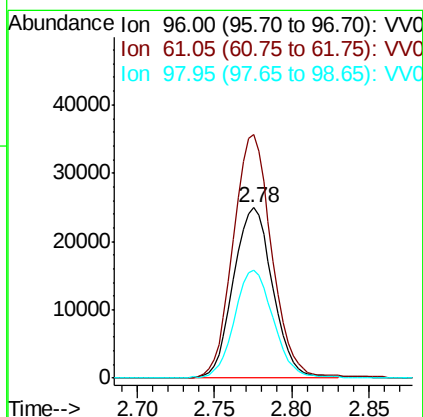
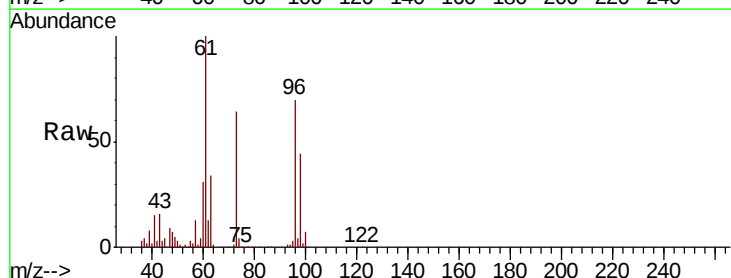
Instrument :
MSVOA_V
ClientSampleId :

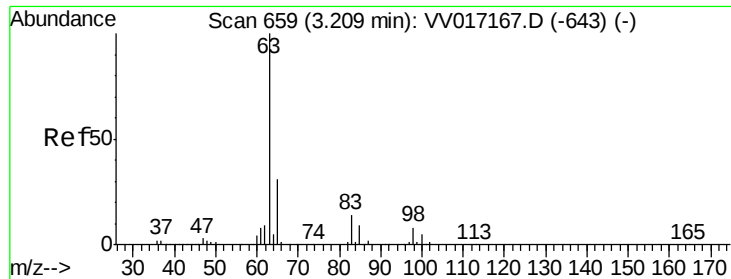
Tot Ion: 73 Resp: 104934
Ion Ratio Lower Upper
73 100
43 23.7 18.6 28.0
57 19.5 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 4.951 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

Tgt Ion: 96 Resp: 44053
Ion Ratio Lower Upper
96 100
61 143.2 102.3 189.9
98 63.3 44.7 82.9

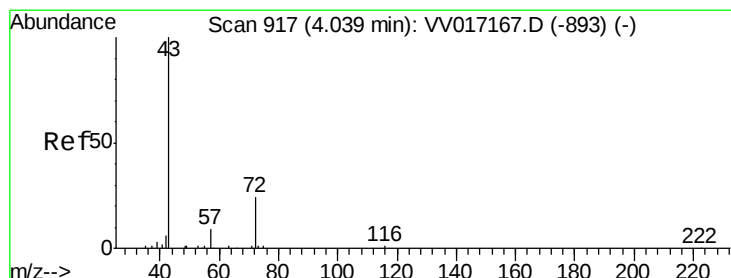
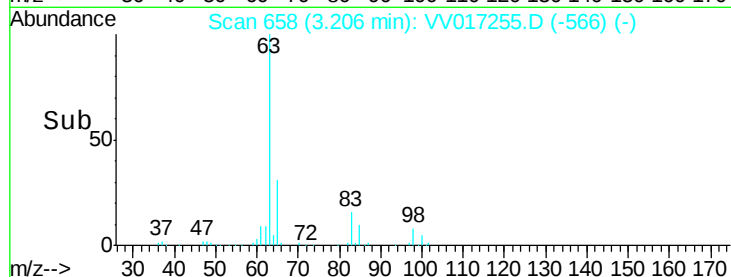
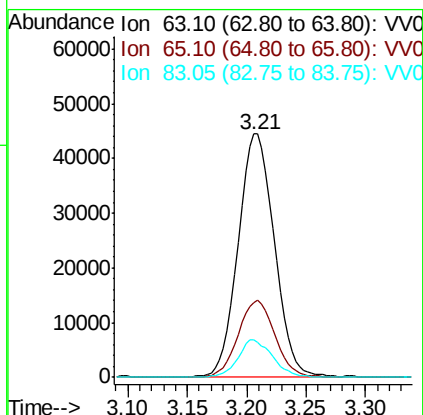
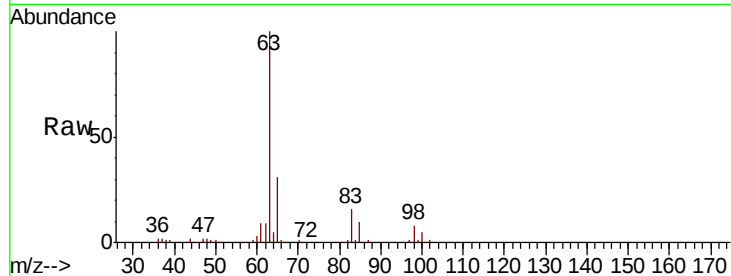




#19
 1,1-Dichloroethane
 Concen: 4.707 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

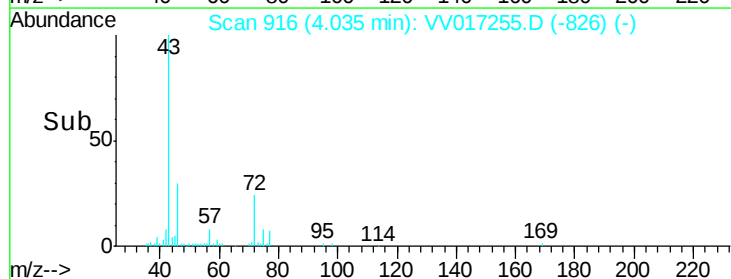
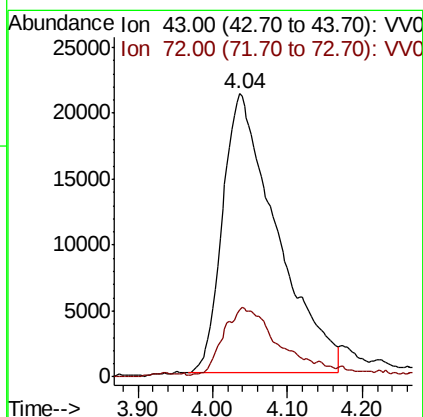
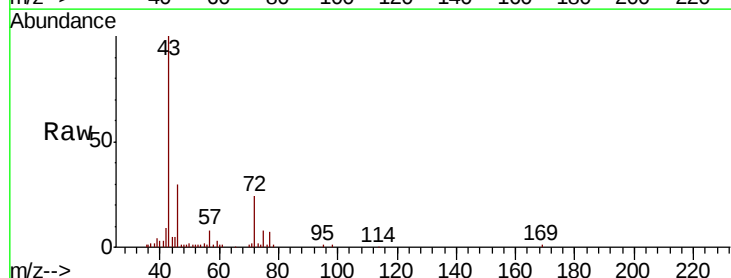
Instrument :
 MSVOA_V
 ClientSampleId :

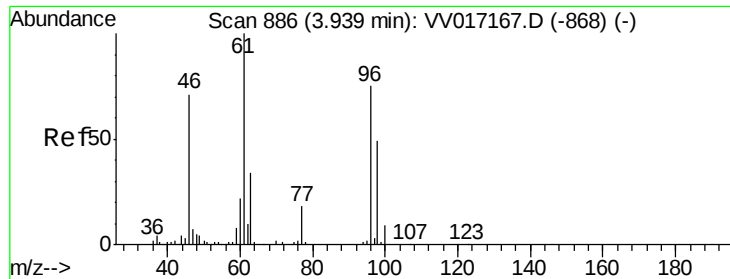
Tot Ion: 63 Resp: 94110
 Ion Ratio Lower Upper
 63 100
 65 30.8 21.8 40.4
 83 15.6 9.7 17.9



#21
 2-Butanone
 Concen: 41.626 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

Tgt Ion: 43 Resp: 106153
 Ion Ratio Lower Upper
 43 100
 72 23.4 12.4 37.4



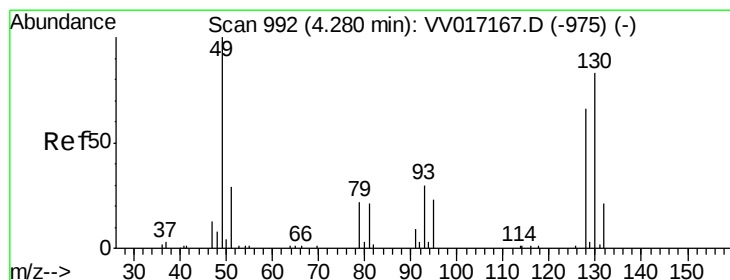
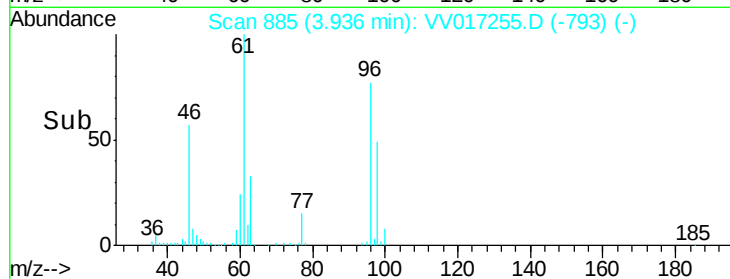
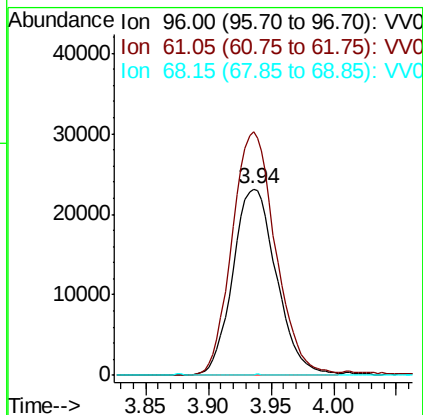
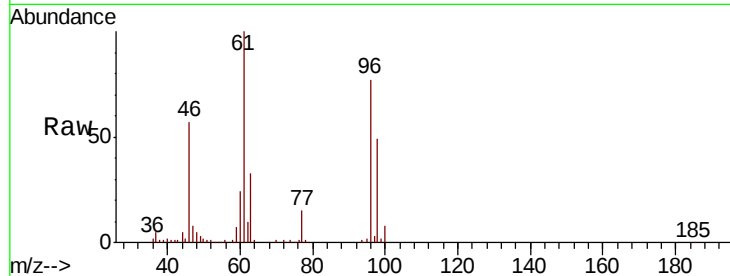


#22

cis-1,2-Dichloroethene
 Concen: 4.606 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

Instrument :
 MSVOA_V
 ClientSampleId :

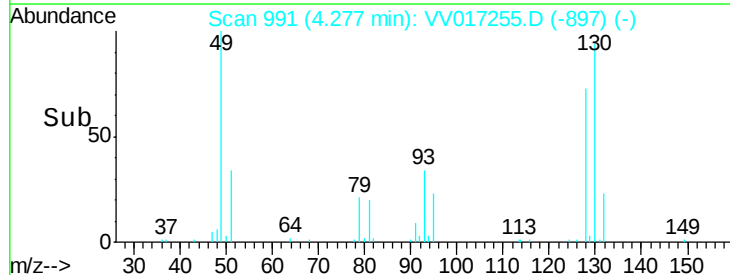
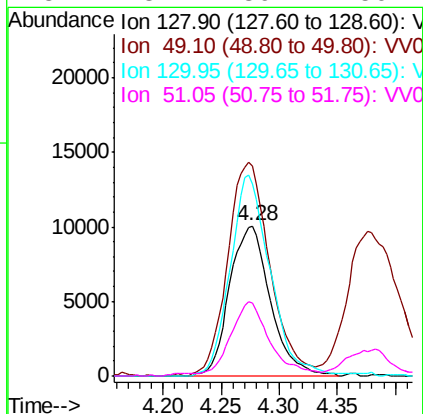
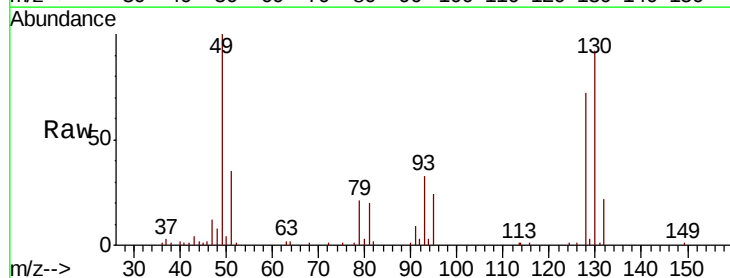
Tot Ion: 96 Resp: 56041
 Ion Ratio Lower Upper
 96 100
 61 130.6 91.0 169.0
 68 0.5 0.0 0.0#

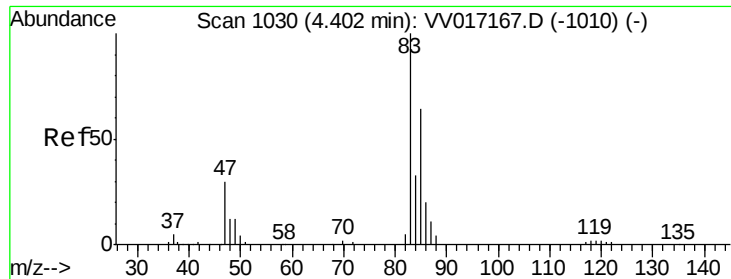


#23

Bromochloromethane
 Concen: 4.776 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

Tgt Ion: 128 Resp: 24697
 Ion Ratio Lower Upper
 128 100
 49 139.7 110.8 205.8
 130 128.3 86.0 159.8
 51 48.4 39.4 59.2

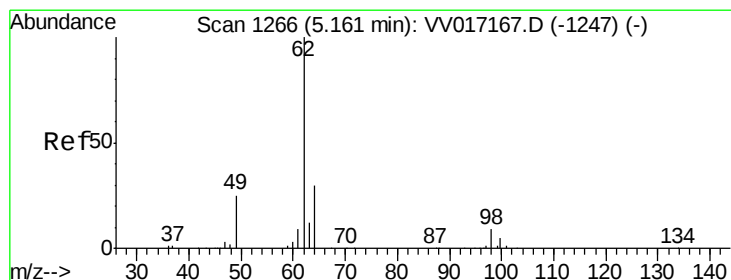
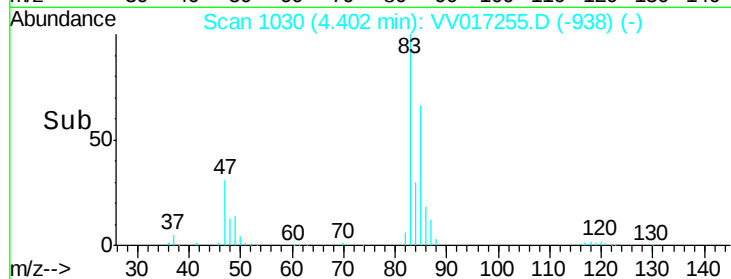
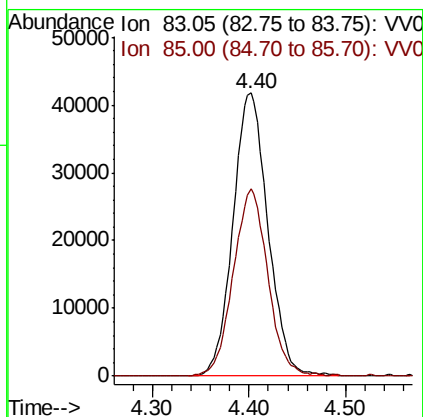
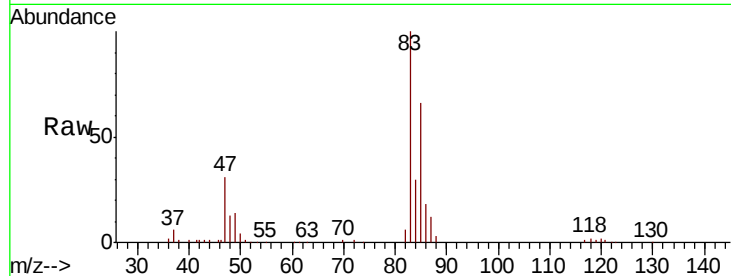




#25
Chloroform
Concen: 4.810 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

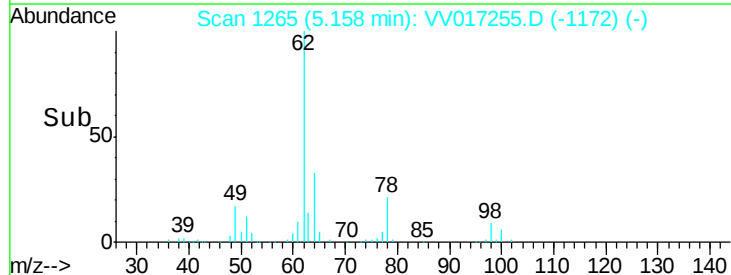
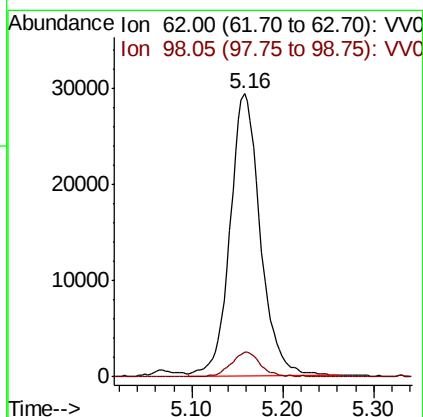
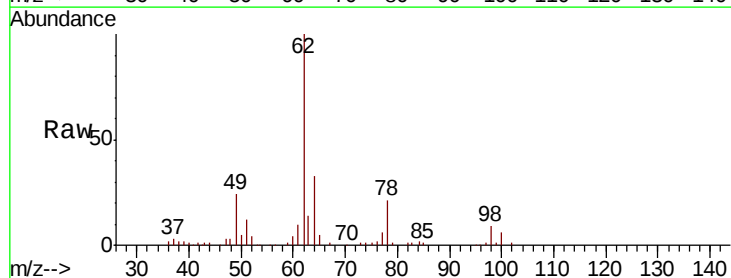
Instrument :
MSVOA_V
ClientSampleId :

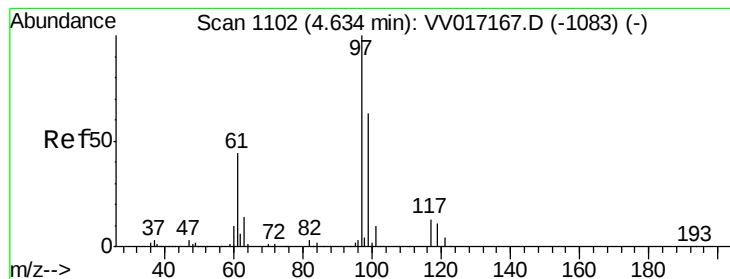
Tot Ion: 83 Resp: 105029
Ion Ratio Lower Upper
83 100
85 66.1 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.022 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

Tgt Ion: 62 Resp: 68132
Ion Ratio Lower Upper
62 100
98 8.8 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.071 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

Instrument :

MSVOA_V

ClientSampled :

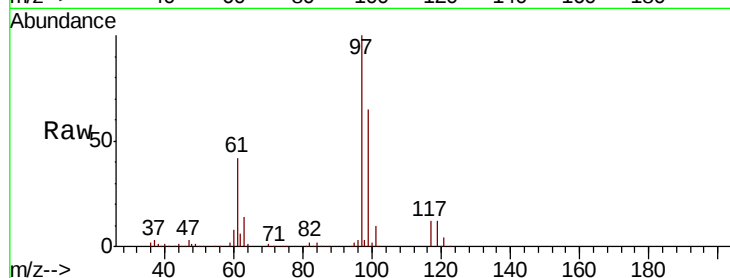
Tot Ion: 97 Resp: 101505

Ion Ratio Lower Upper

97 100

99 65.2 50.3 75.5

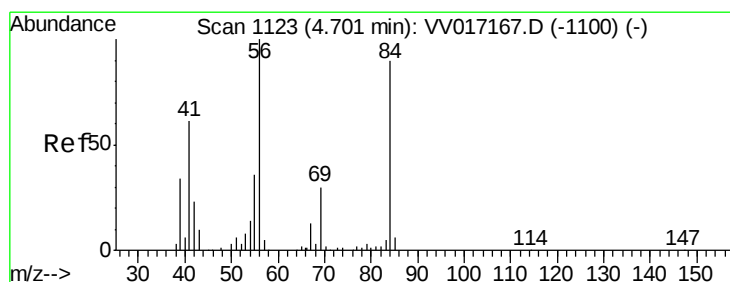
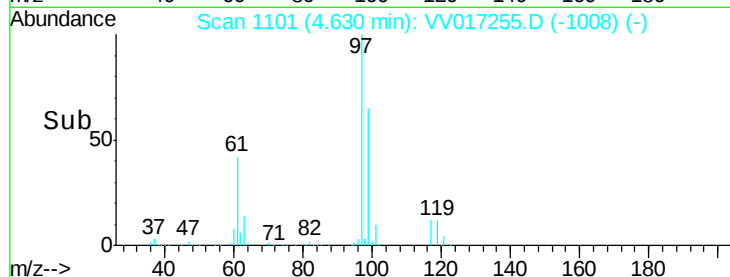
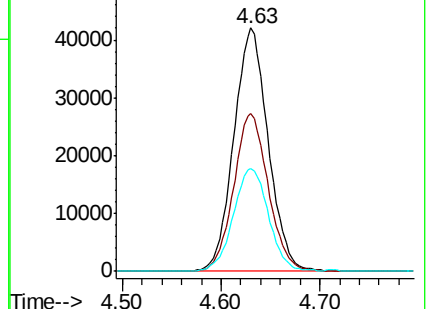
61 43.5 36.0 54.0



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.414 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

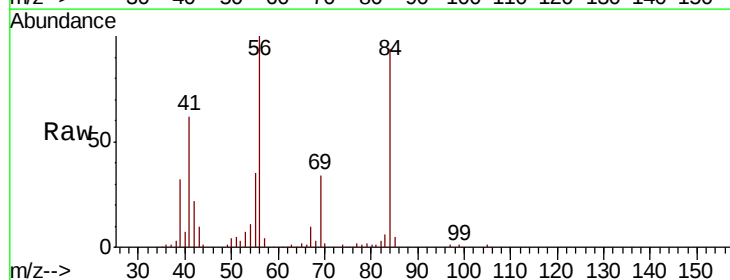
Tgt Ion: 56 Resp: 84090

Ion Ratio Lower Upper

56 100

69 32.0 24.4 36.6

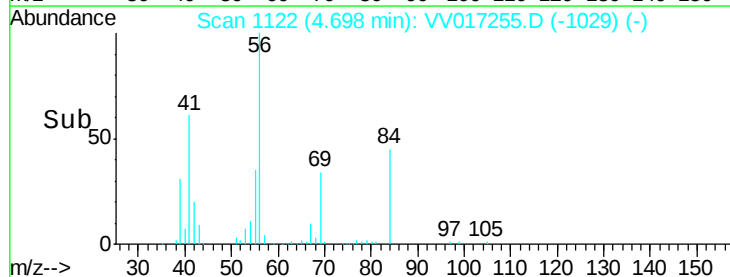
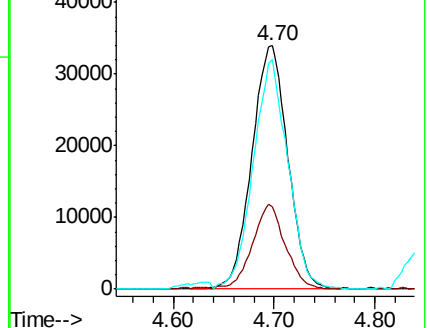
84 91.0 69.9 104.9

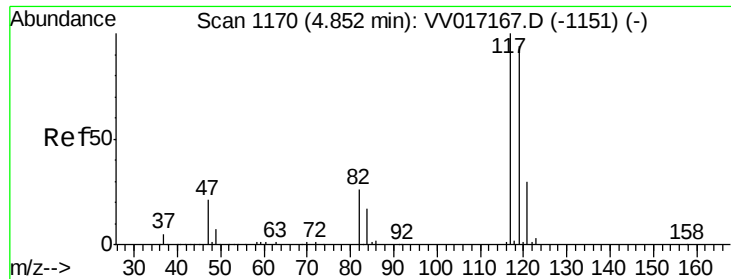


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.019 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

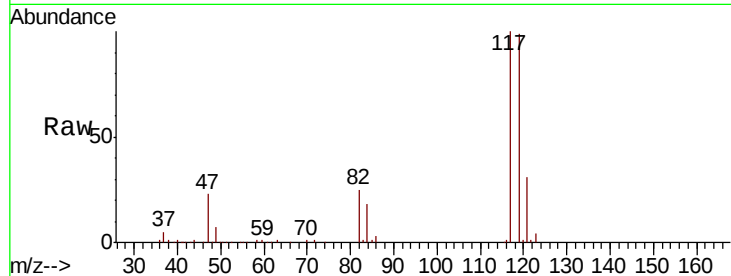
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 90653

Ion Ratio Lower Upper

117 100

119 95.8 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.85

40000

30000

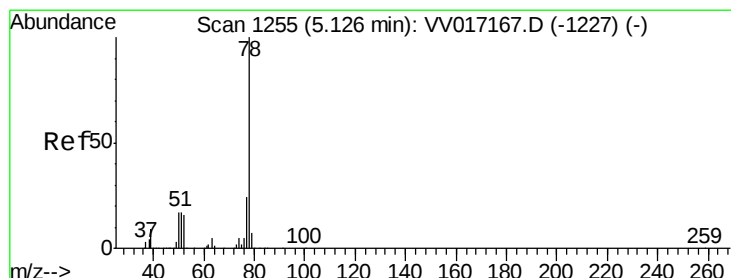
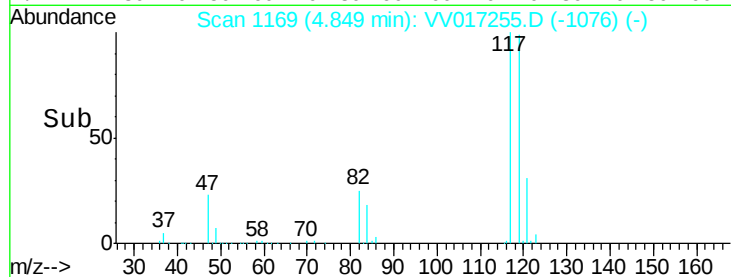
20000

10000

0

4.80 4.90

Time-->



#33

Benzene

Concen: 4.822 ug/L

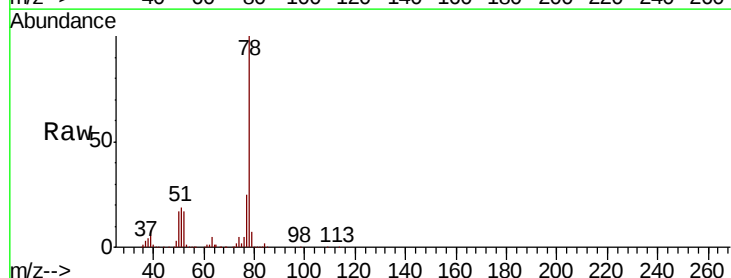
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

Tgt Ion: 78 Resp: 210992



Abundance Ion 78.10 (77.80 to 78.80): VV0

100000

80000

60000

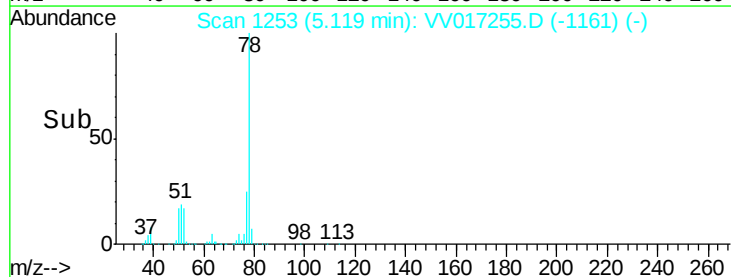
40000

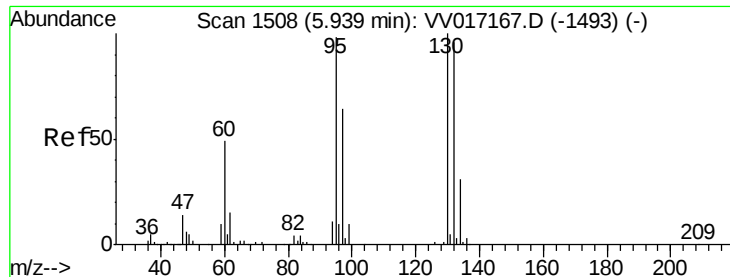
20000

0

5.00 5.10 5.20

Time-->

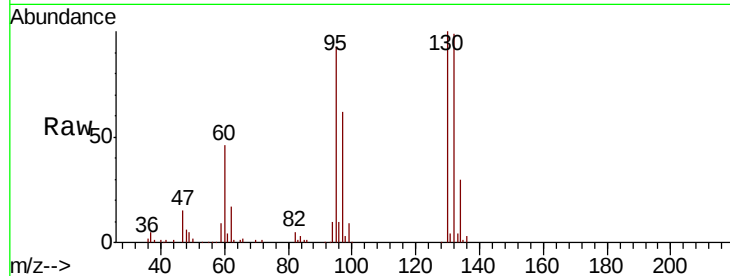




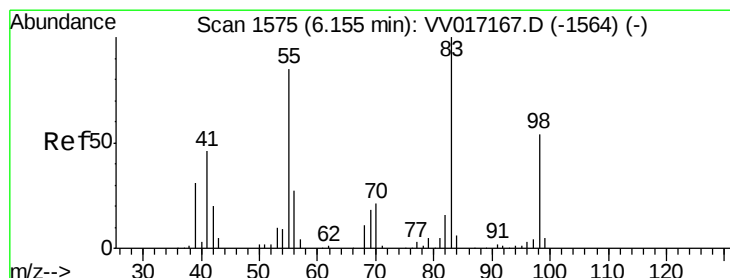
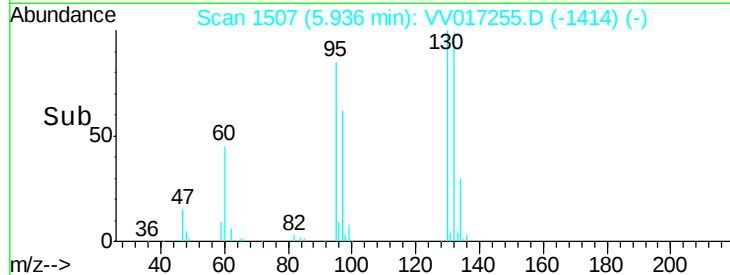
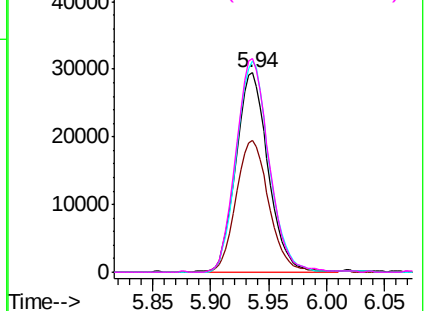
#34
 Trichloroethene
 Concen: 4.437 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	56851
Ion	Ratio	Lower	Upper
95	100		
97	66.1	45.3	84.1
132	106.1	68.8	127.8
130	107.2	70.2	130.4

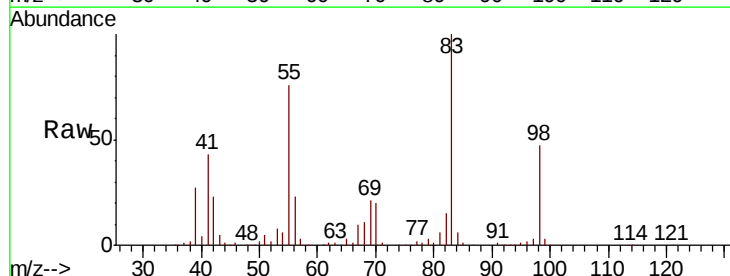


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

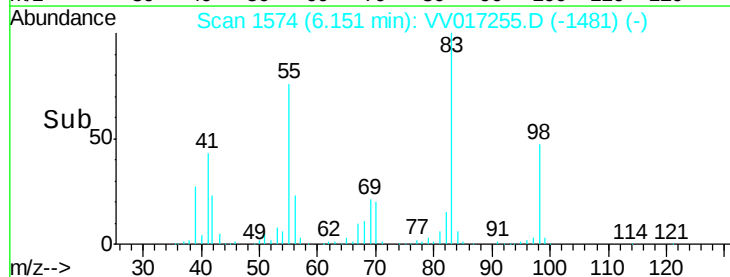
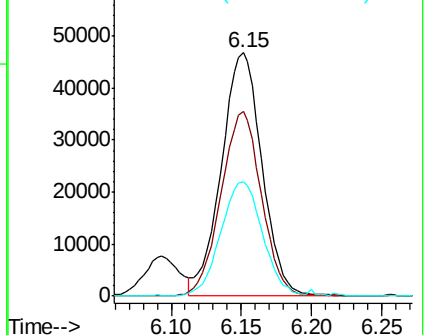


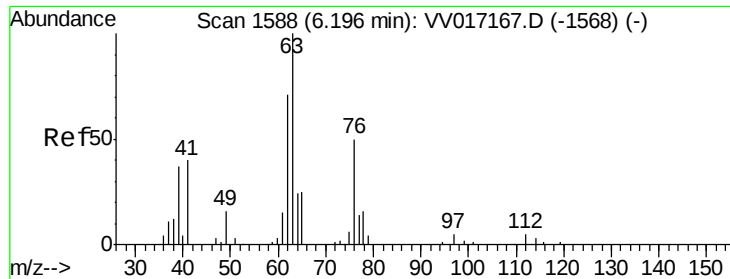
#35
 Methylcyclohexane
 Concen: 4.736 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

Tgt Ion:	83	Resp:	94340
Ion	Ratio	Lower	Upper
83	100		
55	75.7	63.6	95.4
98	48.2	38.8	58.2



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

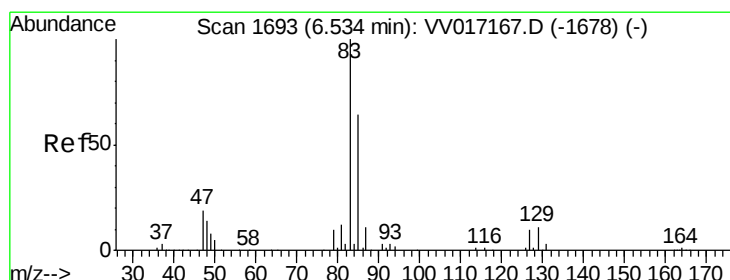
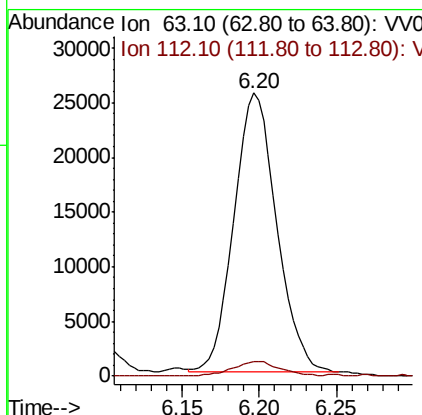
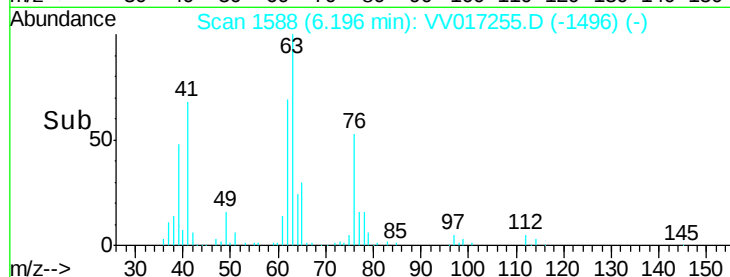
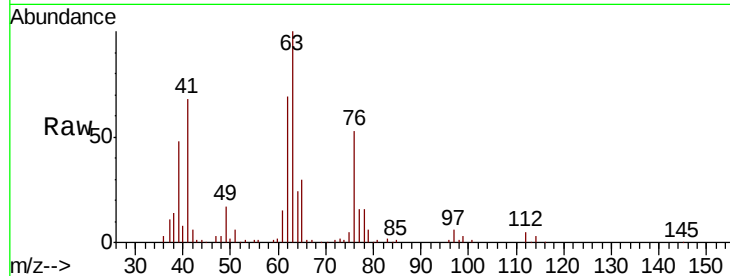




#37
 1,2-Dichloropropane
 Concen: 4.529 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

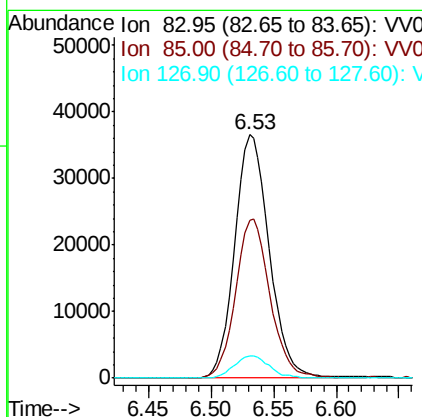
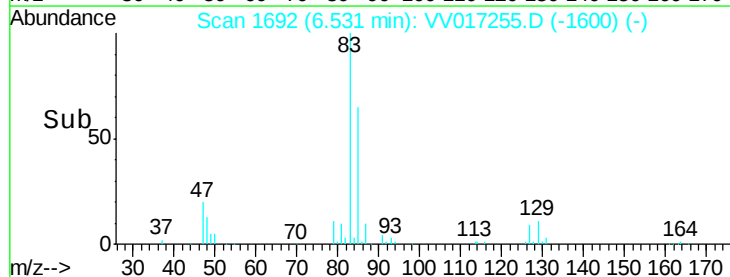
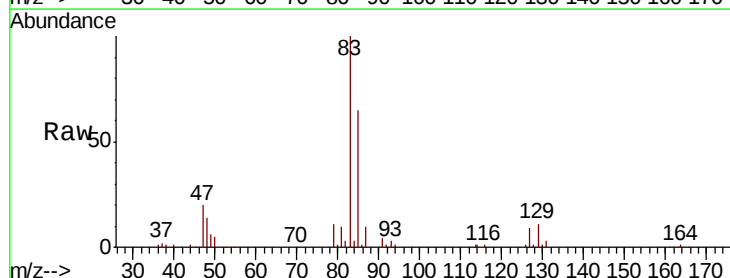
Instrument :
 MSVOA_V
 ClientSampleId :

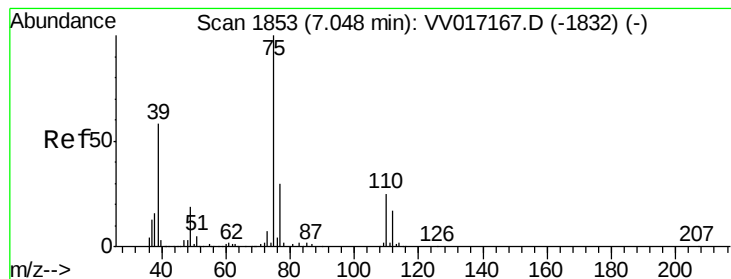
Tot Ion: 63 Resp: 49057
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.4 6.6



#38
 Bromodichloromethane
 Concen: 4.758 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

Tgt Ion: 83 Resp: 70010
 Ion Ratio Lower Upper
 83 100
 85 64.8 43.4 80.6
 127 9.0 7.9 11.9



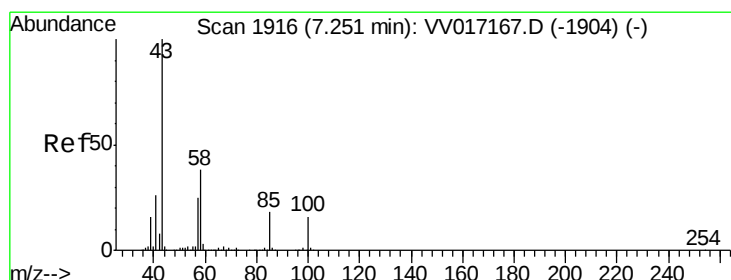
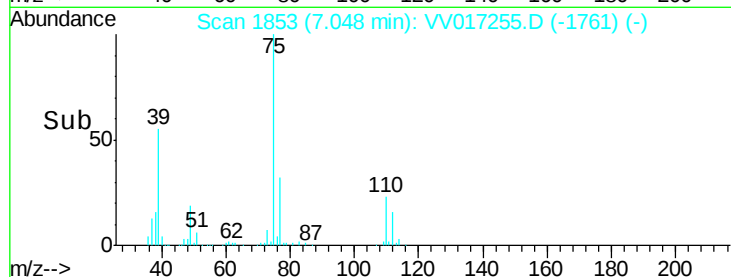
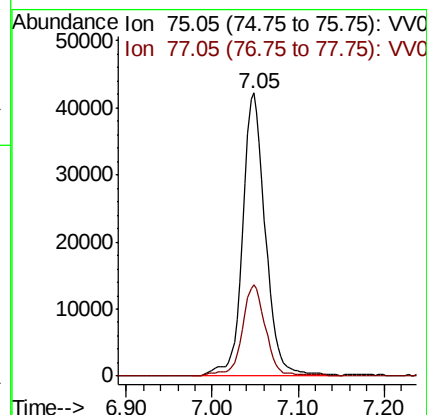
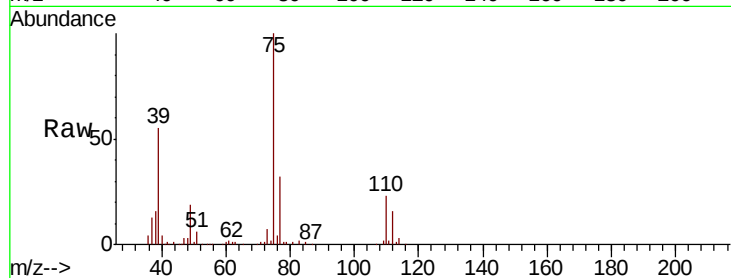


#39

cis-1,3-Dichloropropene
Concen: 4.830 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

Instrument :
MSVOA_V
ClientSampleId :

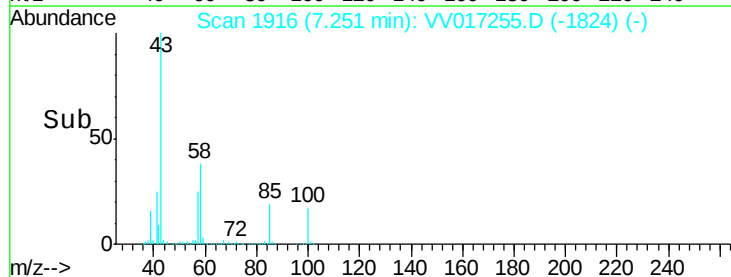
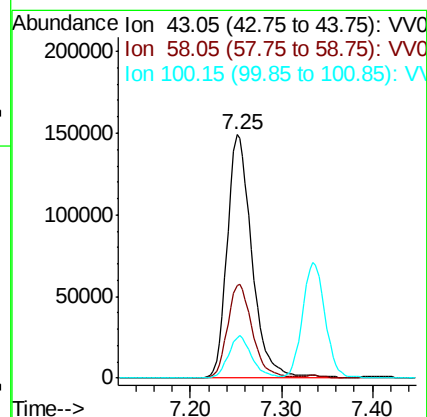
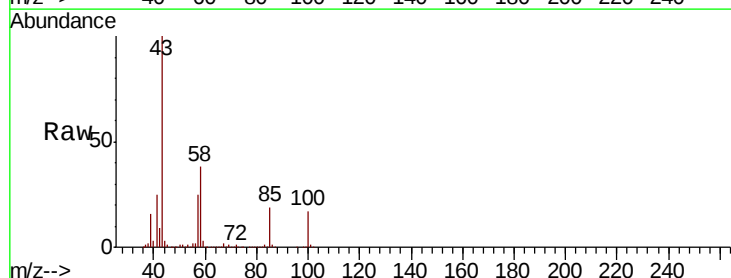
Tot Ion: 75 Resp: 77734
Ion Ratio Lower Upper
75 100
77 32.2 22.3 41.5

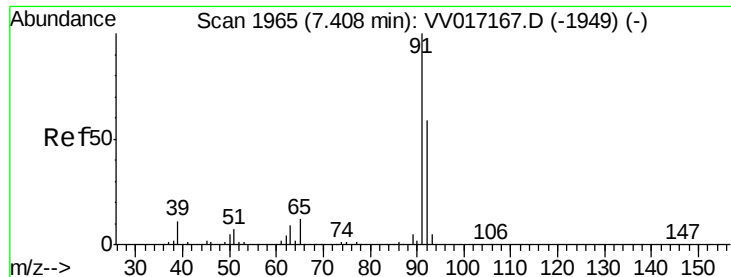


#40

4-Methyl-2-pentanone
Concen: 45.260 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

Tgt Ion: 43 Resp: 283063
Ion Ratio Lower Upper
43 100
58 38.6 30.4 45.6
100 16.4 12.7 19.1





#42

Toluene

Concen: 4.614 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

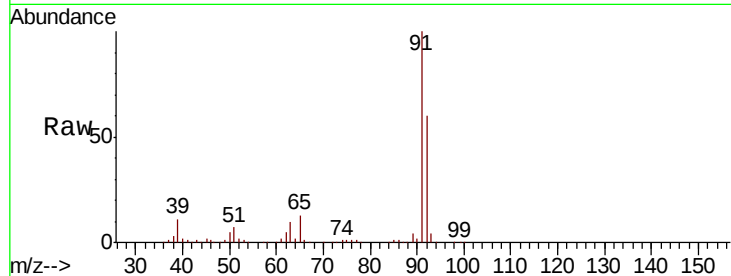
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 234725

Ion Ratio Lower Upper

91 100

92 59.6 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017167.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017167.D (-1949) (-)

7.41

150000

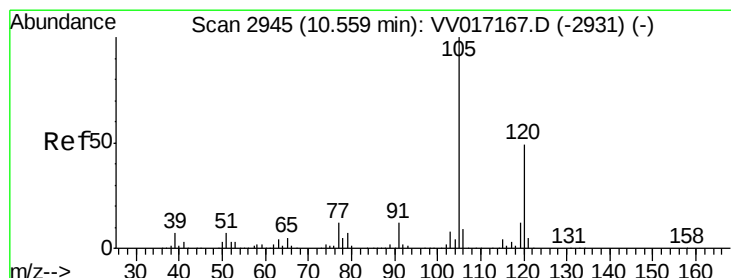
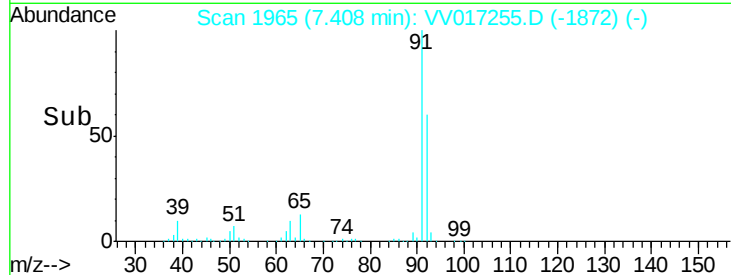
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.016 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017255.D

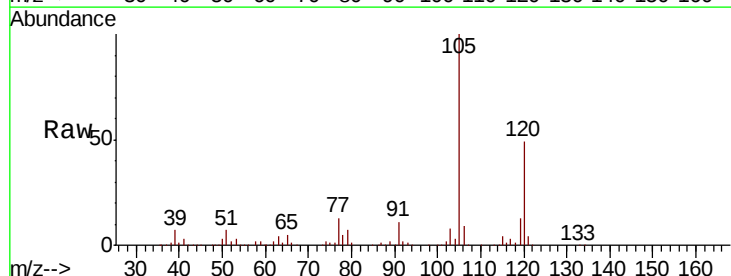
Acq: 30 Jun 2020 12:49

Tgt Ion:105 Resp: 228182

Ion Ratio Lower Upper

105 100

120 48.5 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017167.D (-2931) (-)

Ion 120.00 (119.70 to 120.70): VV017167.D (-2931) (-)

10.56

150000

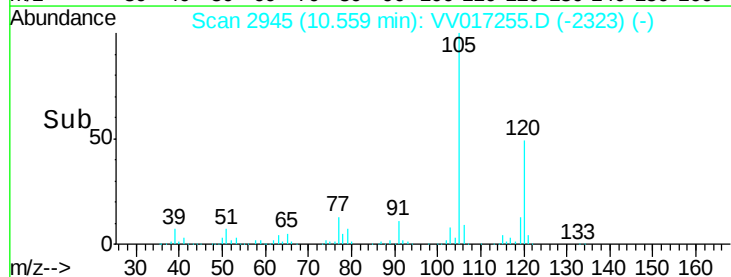
100000

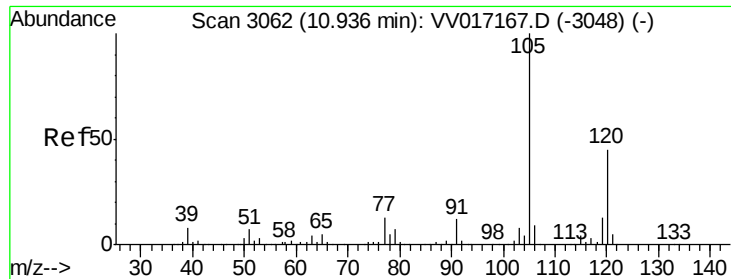
50000

0

10.50 10.55 10.60

Time-->

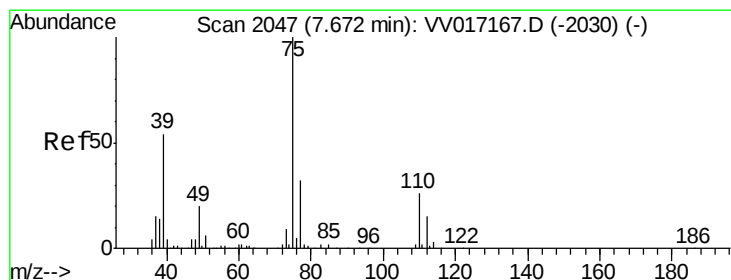
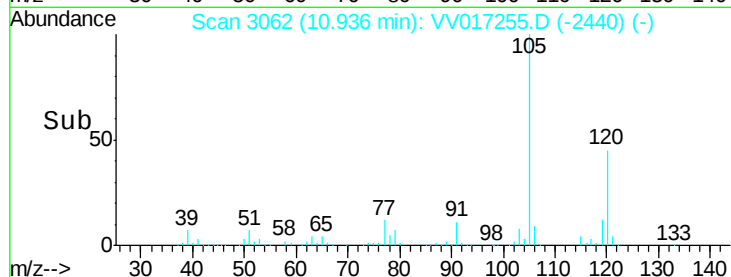
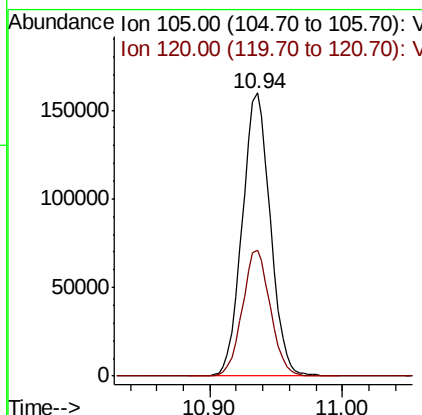
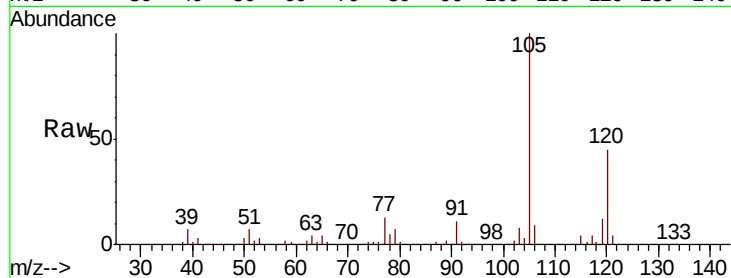




#44
 1,2,4-Trimethylbenzene
 Concen: 5.068 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

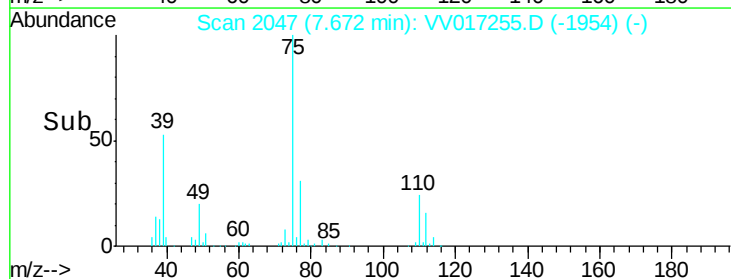
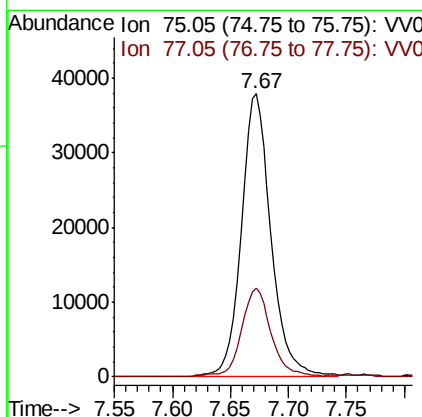
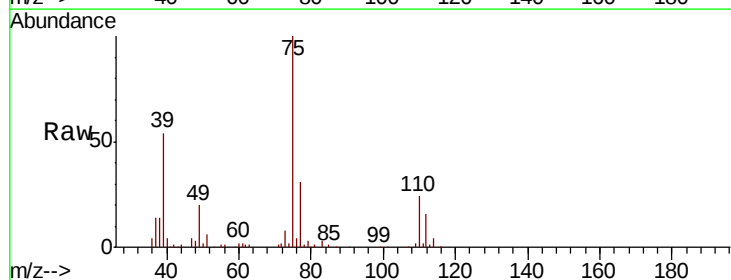
Instrument :
 MSVOA_V
 ClientSampleId :

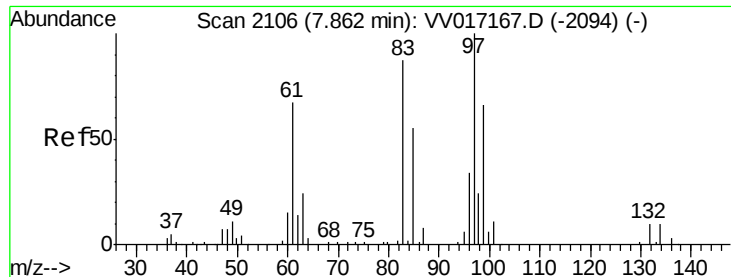
Tot Ion:105 Resp: 234788
 Ion Ratio Lower Upper
 105 100
 120 44.3 35.8 53.8



#46
 trans-1,3-Dichloropropene
 Concen: 4.839 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

Tgt Ion: 75 Resp: 67370
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.3

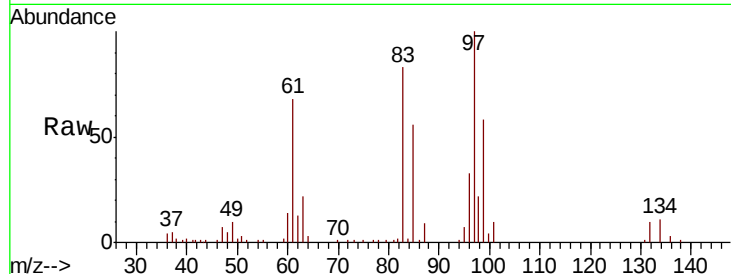




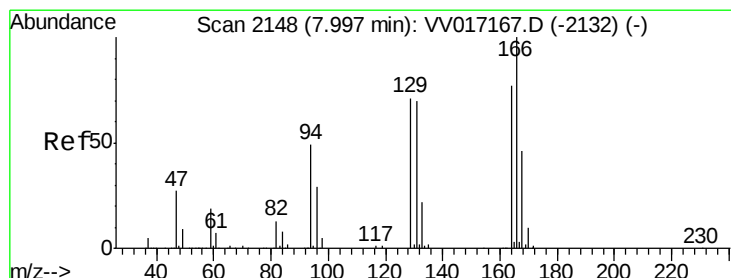
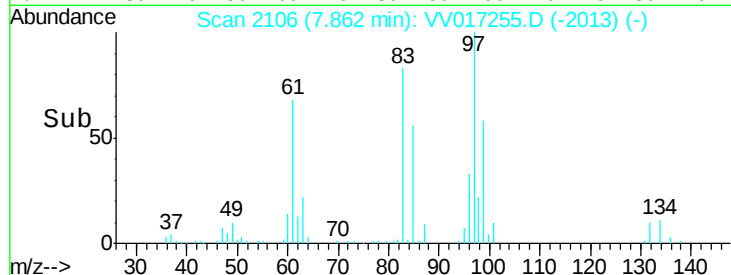
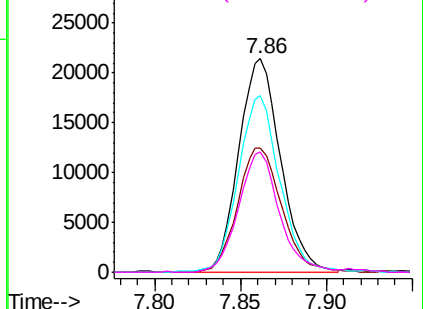
#47
 1,1,2-Trichloroethane
 Concen: 4.715 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	36228
Ion	Ratio	Lower	Upper
97	100		
99	58.1	43.6	81.0
83	83.0	57.4	106.6
85	56.3	38.8	72.0

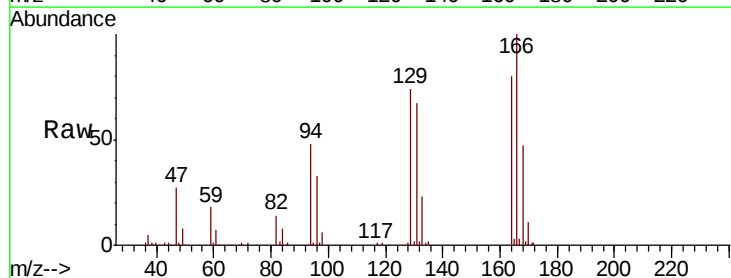


Abundance Ion 96.95 (96.65 to 97.65): VV017167.D (-2094) (-)
 Ion 99.05 (98.75 to 99.75): VV017167.D (-2094) (-)
 Ion 82.95 (82.65 to 83.65): VV017167.D (-2094) (-)
 Ion 85.00 (84.70 to 85.70): VV017167.D (-2094) (-)

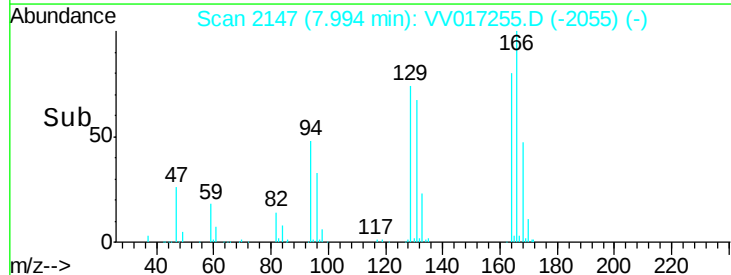
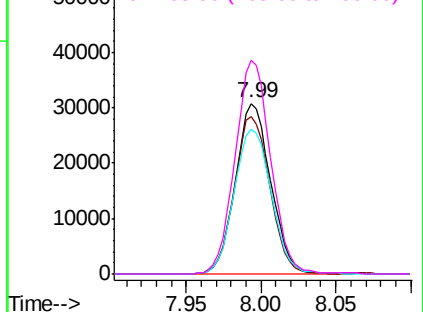


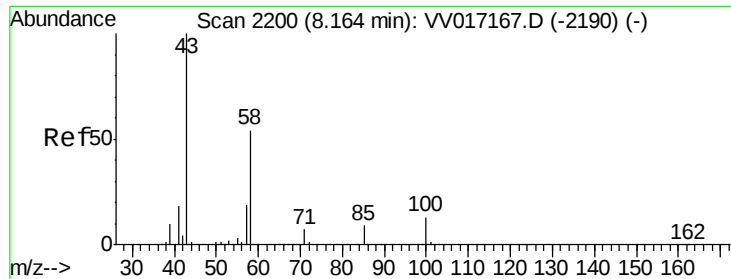
#49
 Tetrachloroethene
 Concen: 4.907 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

Tgt Ion:	164	Resp:	50608
Ion	Ratio	Lower	Upper
164	100		
129	92.8	65.2	121.0
131	84.6	64.1	119.1
166	125.4	90.2	167.4



Abundance Ion 163.90 (163.60 to 164.60): VV017167.D (-2132) (-)
 Ion 128.95 (128.65 to 129.65): VV017167.D (-2132) (-)
 Ion 130.95 (130.65 to 131.65): VV017167.D (-2132) (-)
 Ion 165.90 (165.60 to 166.60): VV017167.D (-2132) (-)

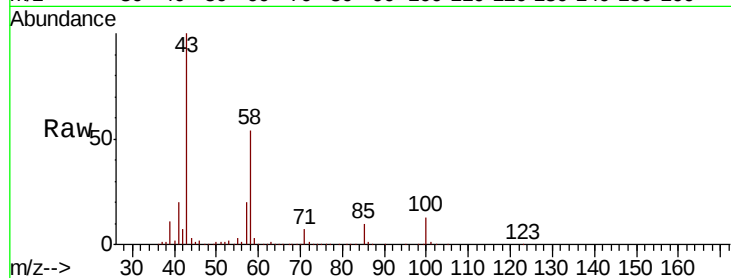




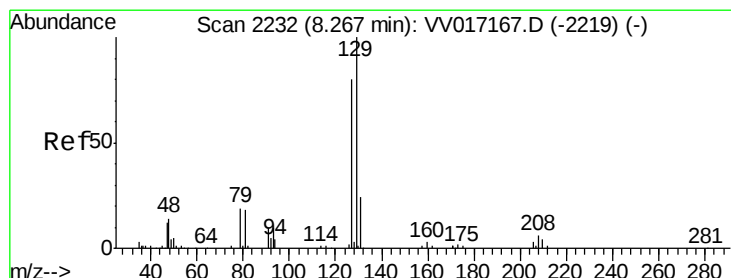
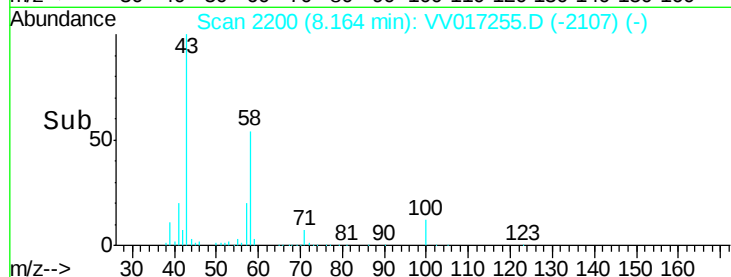
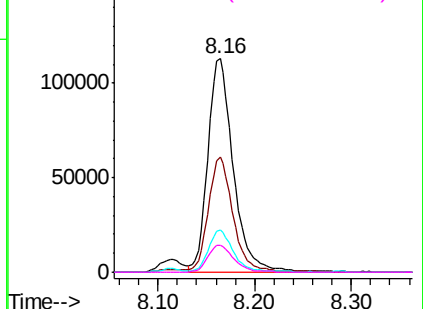
#50
2-Hexanone
Concen: 46.162 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	205455
Ion	Ratio	Lower	Upper
43	100		
58	52.2	41.6	62.4
57	19.2	15.4	23.0
100	13.2	10.1	15.1

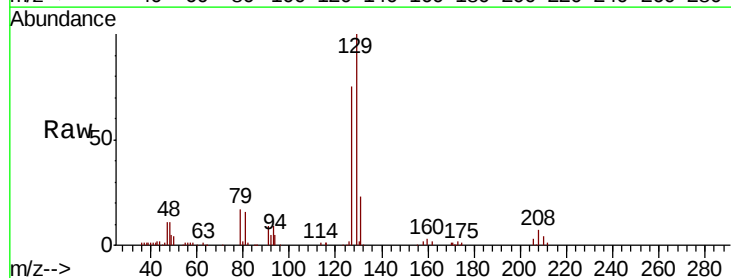


Abundance Ion 43.05 (42.75 to 43.75): VV017167.D (-2190) (-)
Ion 58.05 (57.75 to 58.75): VV017167.D (-2190) (-)
Ion 57.20 (56.90 to 57.90): VV017167.D (-2190) (-)
Ion 100.15 (99.85 to 100.85): VV017167.D (-2190) (-)

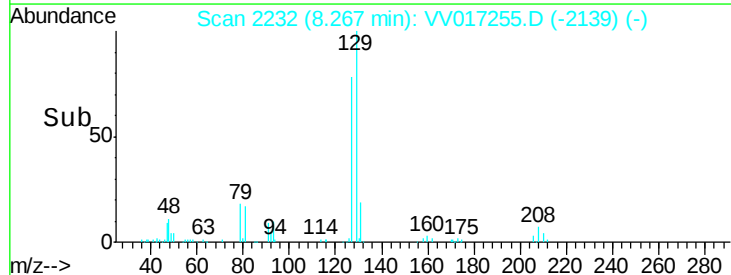
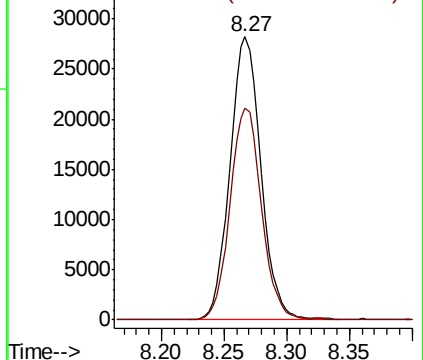


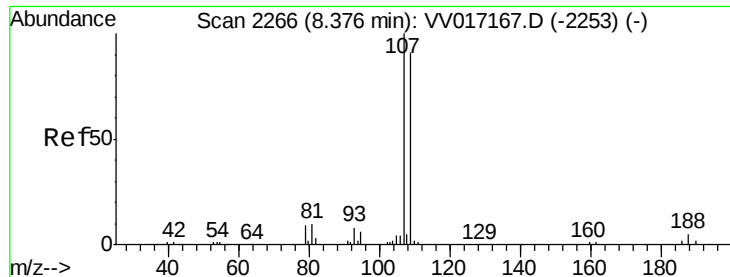
#51
Dibromochloromethane
Concen: 5.200 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

Tgt Ion:	129	Resp:	48425
Ion	Ratio	Lower	Upper
129	100		
127	75.0	54.1	100.5



Abundance Ion 128.95 (128.65 to 129.65): VV017167.D (-2219) (-)
Ion 126.90 (126.60 to 127.60): VV017167.D (-2219) (-)





#52

1,2-Dibromoethane

Concen: 4.631 ug/L

RT: 8.37 min Scan# 2265

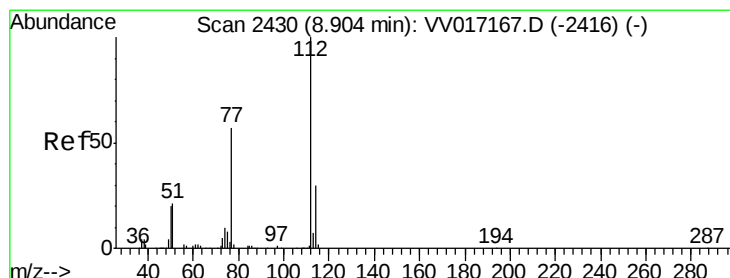
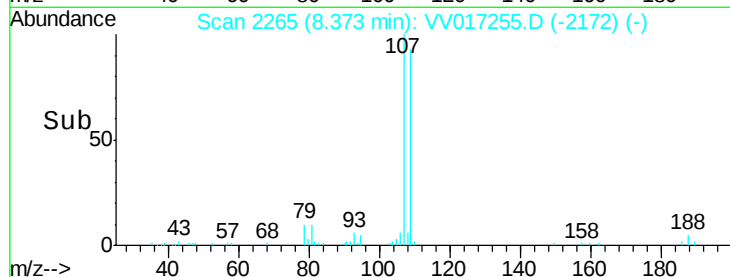
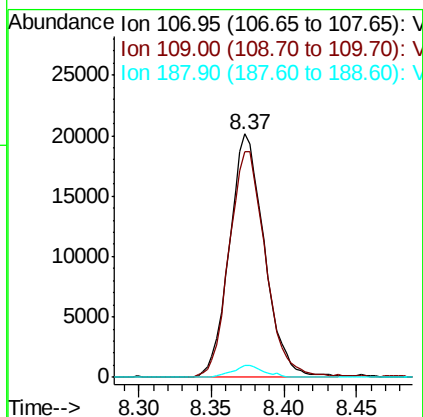
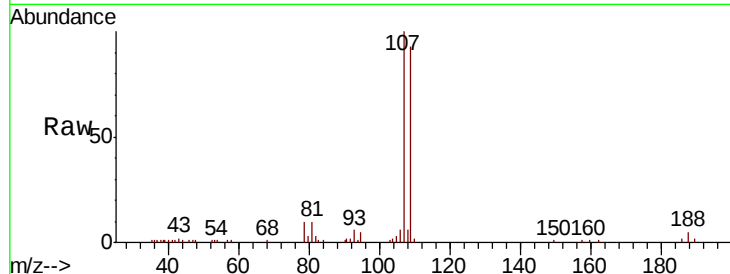
Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	107	Resp:	33740
Ion	Ratio	Lower	Upper
107	100		
109	92.8	69.4	128.8
188	4.7	3.9	5.9



#53

Chlorobenzene

Concen: 4.715 ug/L

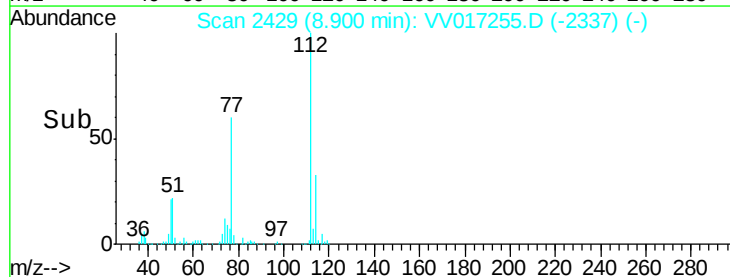
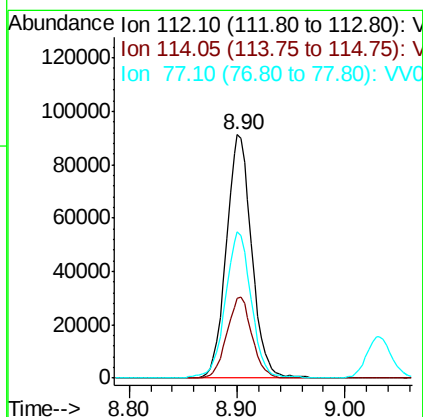
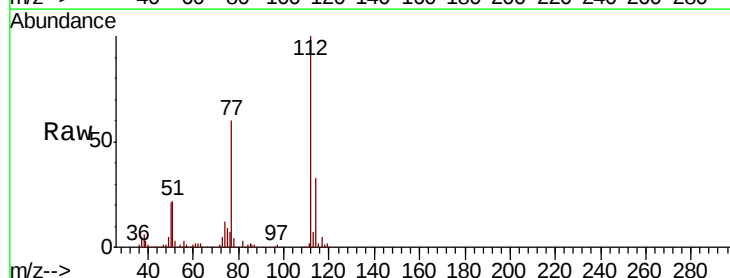
RT: 8.90 min Scan# 2429

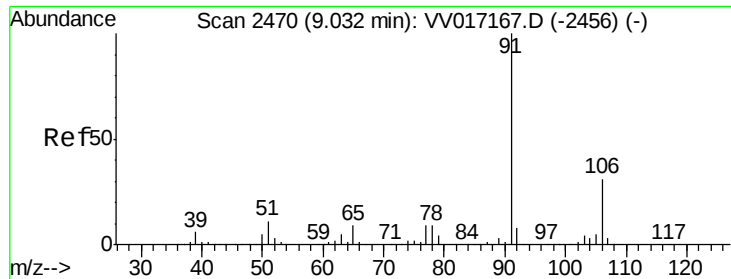
Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

Tgt Ion:	112	Resp:	149524
Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.0	41.0
77	60.1	46.0	69.0





#54

Ethylbenzene

Concen: 4.847 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

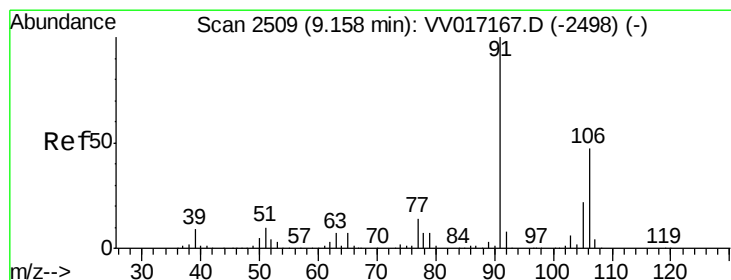
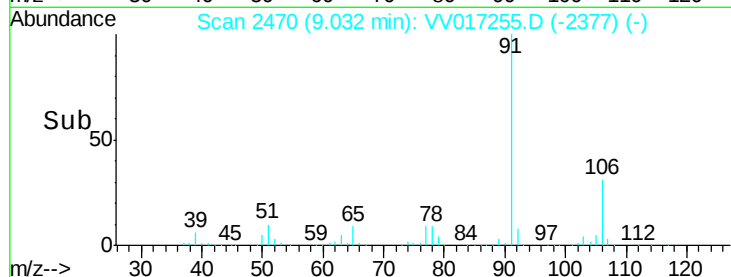
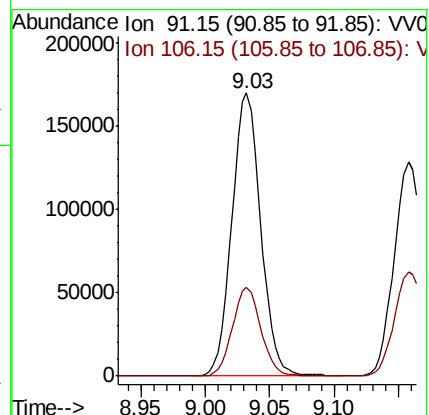
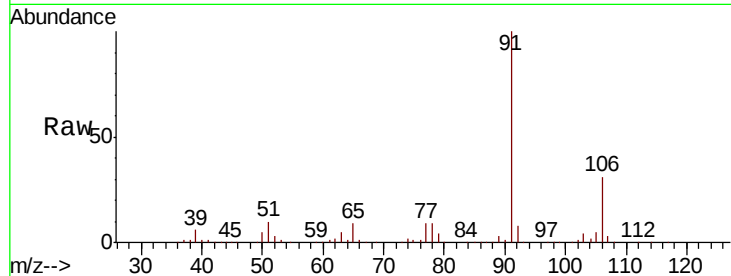
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 263203

Ion Ratio Lower Upper

91 100

106 31.5 21.1 39.1



#55

m,p-xylene

Concen: 4.794 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017255.D

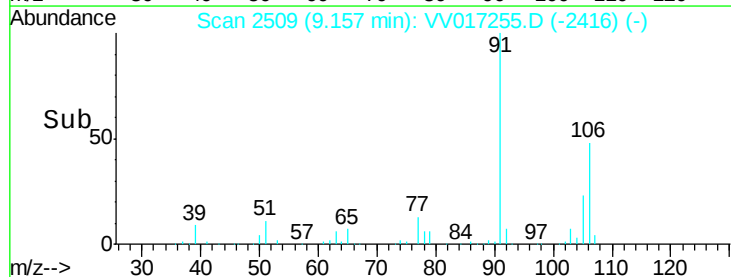
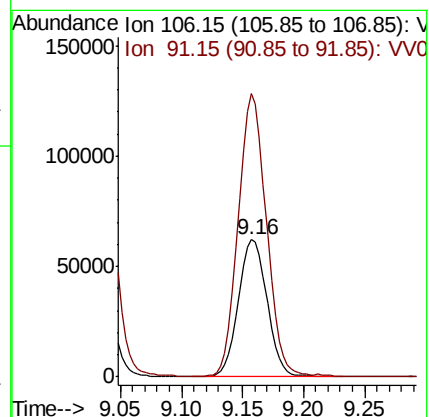
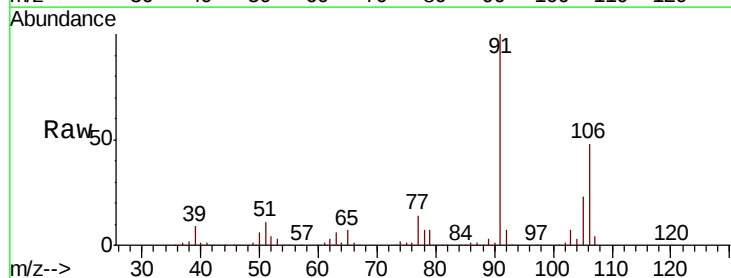
Acq: 30 Jun 2020 12:49

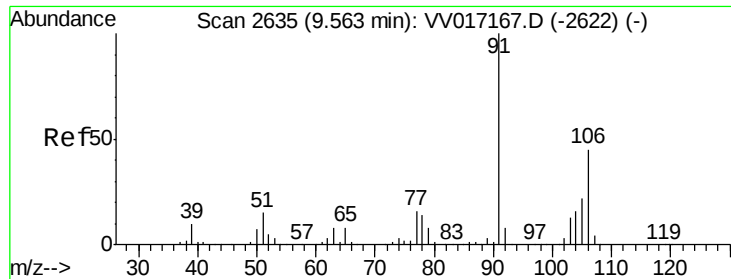
Tgt Ion: 106 Resp: 102101

Ion Ratio Lower Upper

106 100

91 206.3 142.7 264.9

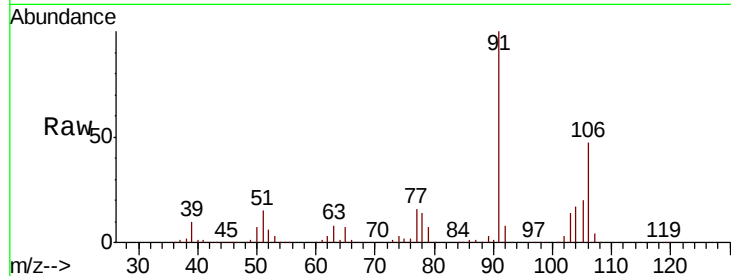




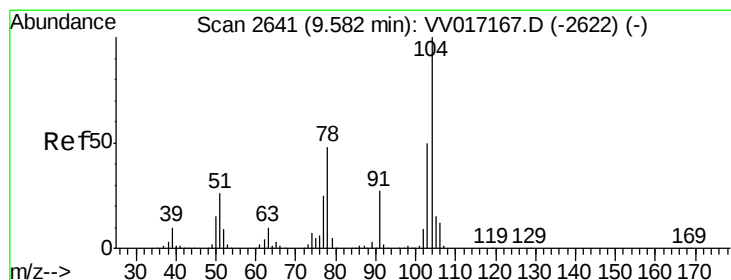
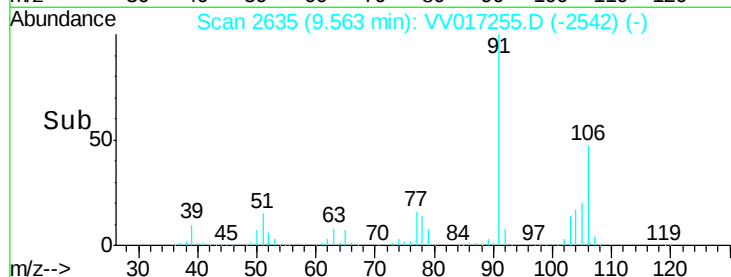
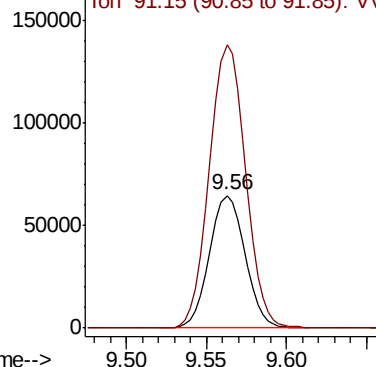
#56
o-xylene
Concen: 4.931 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 97999
Ion Ratio Lower Upper
106 100
91 213.7 153.6 285.2

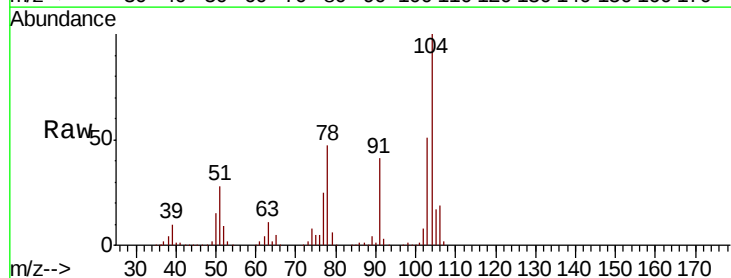


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

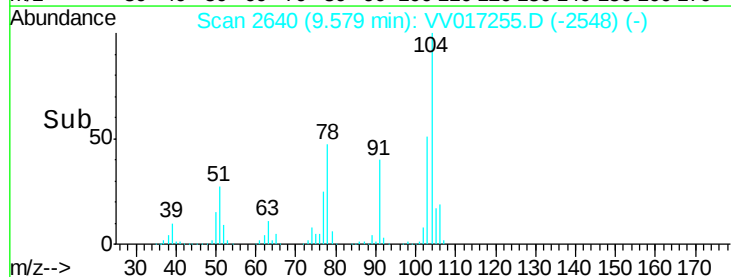
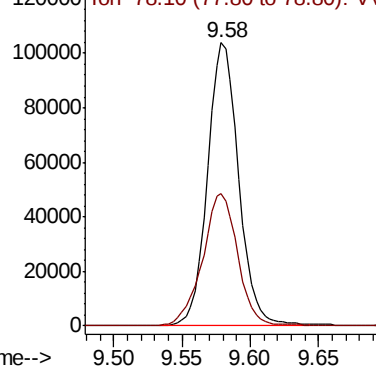


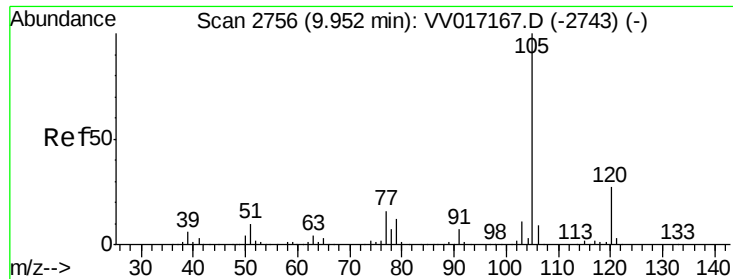
#57
Styrene
Concen: 5.001 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017255.D
Acq: 30 Jun 2020 12:49

Tgt Ion:104 Resp: 164704
Ion Ratio Lower Upper
104 100
78 46.8 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 4.961 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

Instrument :

MSVOA_V

ClientSampled :

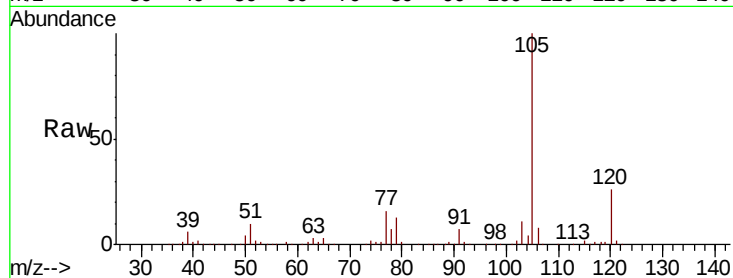
Tot Ion:105 Resp: 271350

Ion Ratio Lower Upper

105 100

120 25.7 21.2 31.8

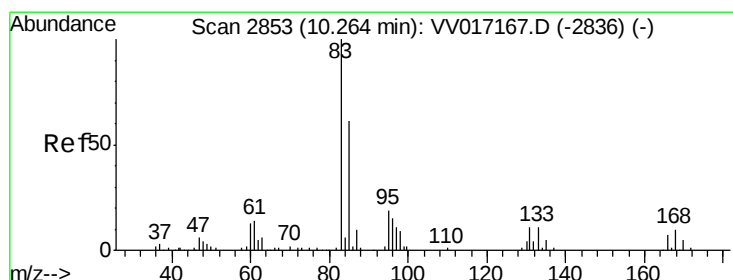
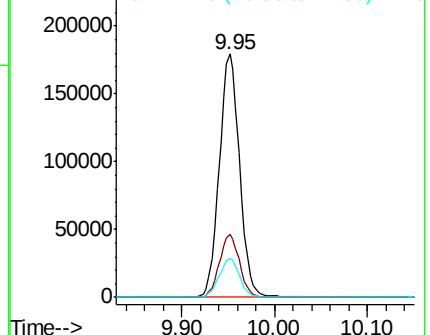
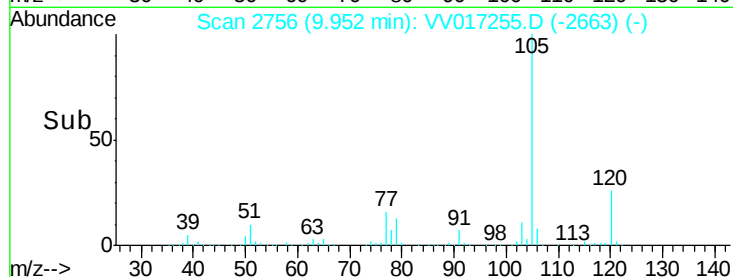
77 16.0 13.0 19.4



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



#60

1,1,2,2-Tetrachloroethane

Concen: 5.094 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

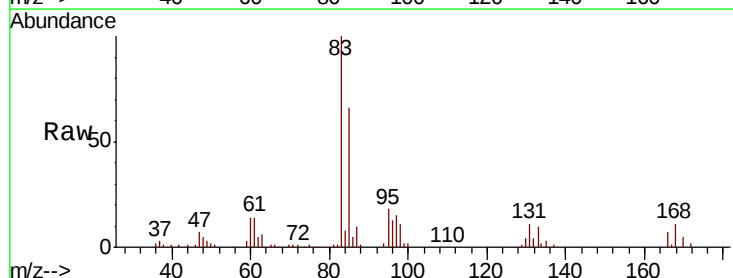
Tgt Ion: 83 Resp: 40478

Ion Ratio Lower Upper

83 100

85 66.0 42.9 79.7

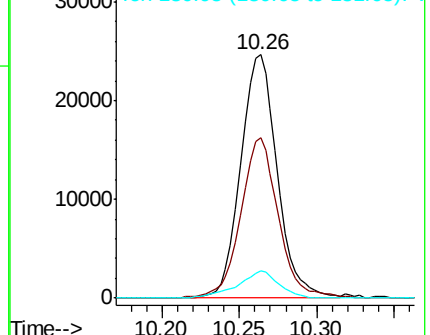
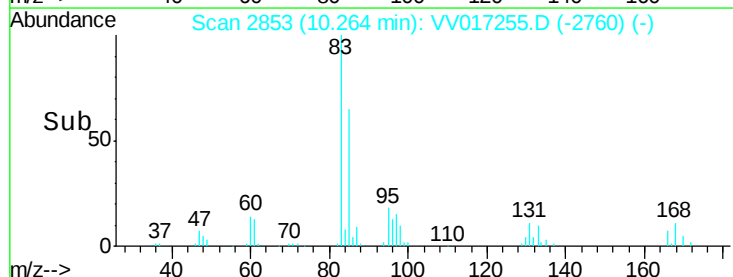
131 11.1 8.6 13.0

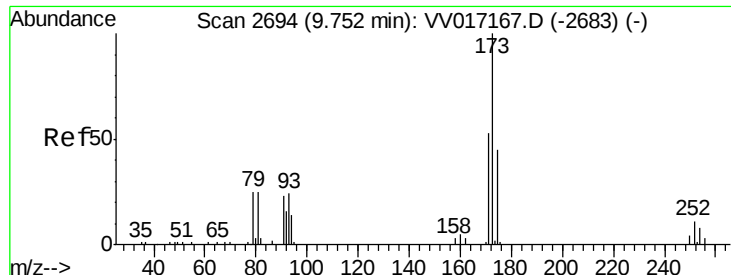


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.439 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

Instrument :
MSVOA_V
ClientSampleId :

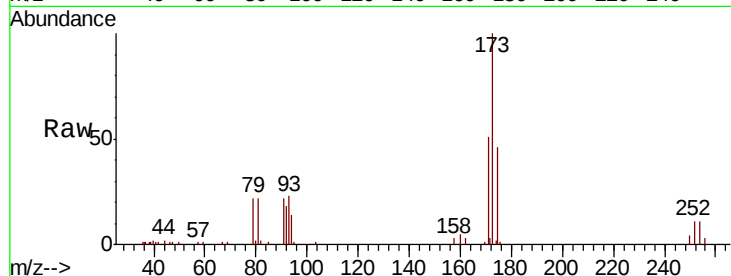
Tot Ion:173 Resp: 25901

Ion Ratio Lower Upper

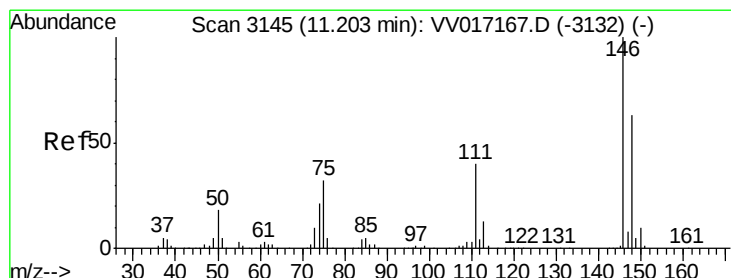
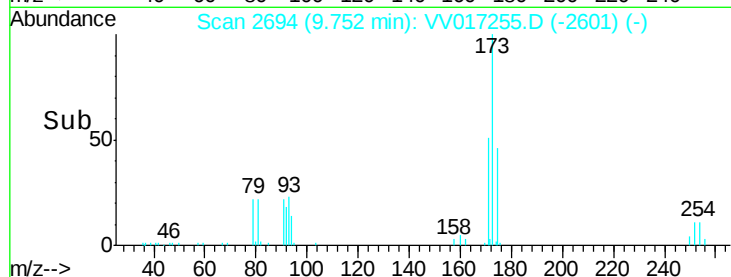
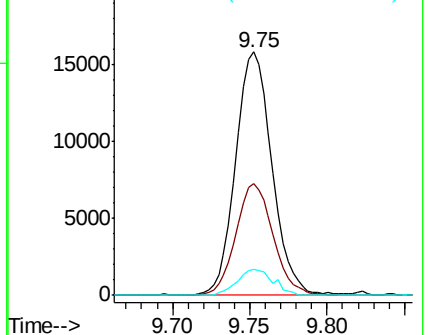
173 100

175 46.9 39.4 59.2

254 10.5 7.4 11.2



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: 4.914 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

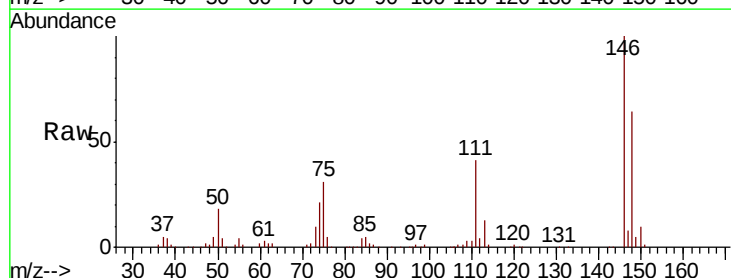
Tgt Ion:146 Resp: 131677

Ion Ratio Lower Upper

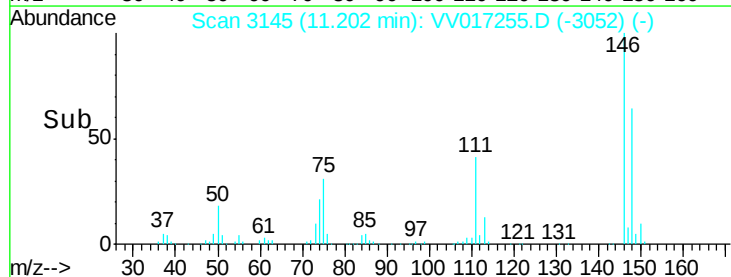
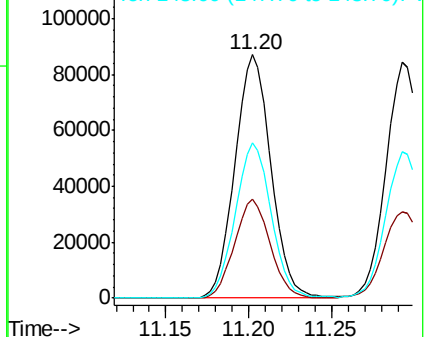
146 100

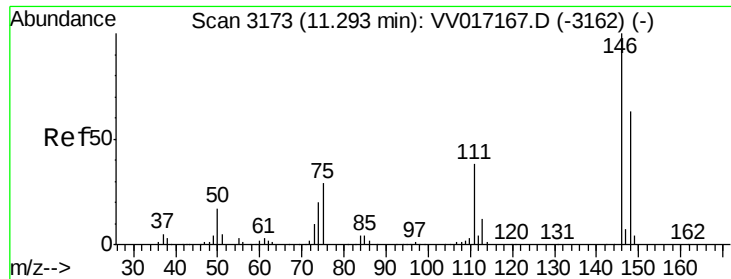
111 40.8 29.2 54.2

148 63.6 44.9 83.5



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: 4.817 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

Instrument :

MSVOA_V

ClientSampled :

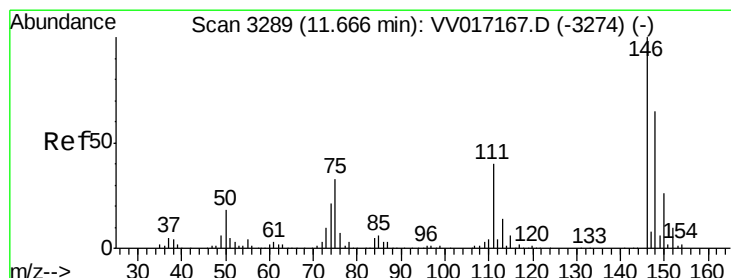
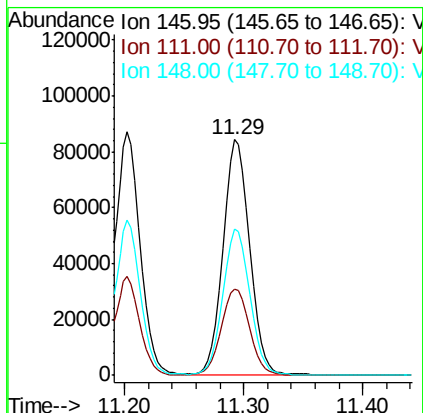
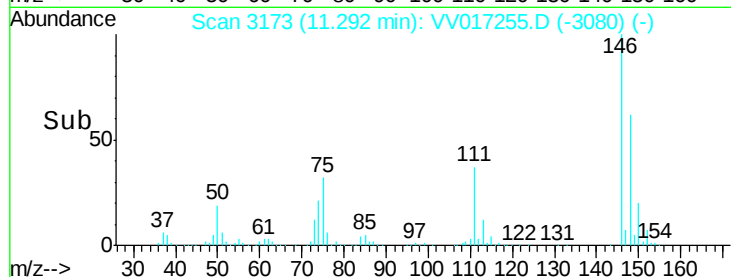
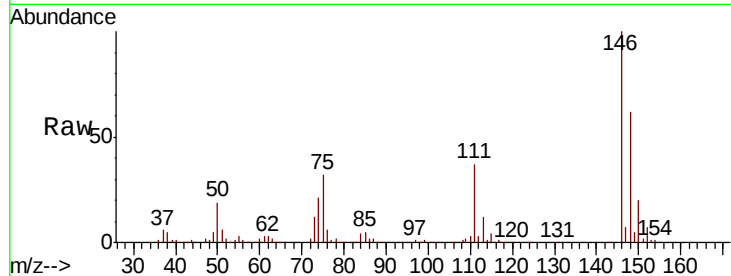
Tot Ion:146 Resp: 131203

Ion Ratio Lower Upper

146 100

111 36.9 27.4 50.8

148 62.0 44.3 82.3



#66

1,2-Dichlorobenzene

Concen: 4.904 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

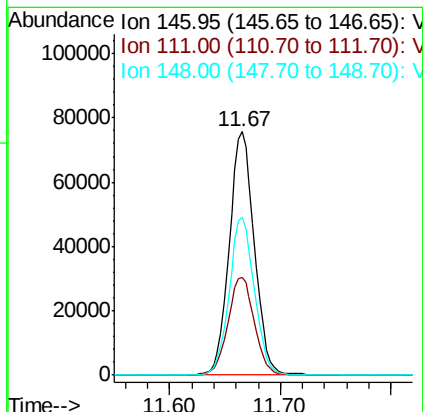
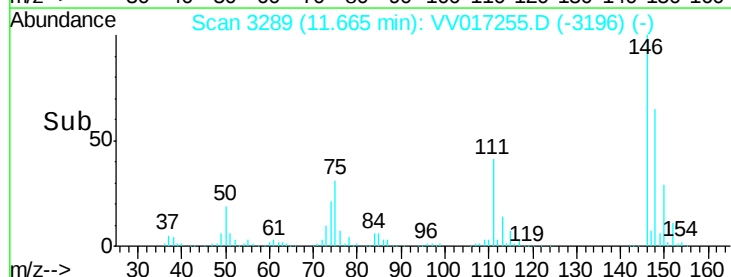
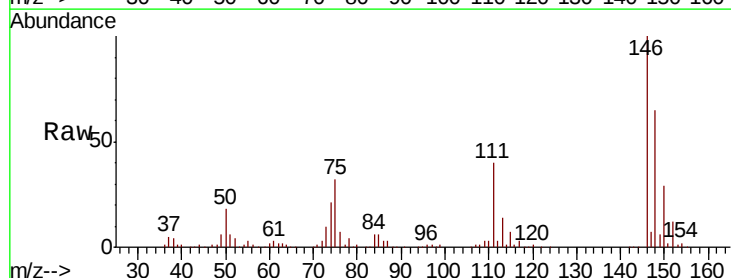
Tgt Ion:146 Resp: 119266

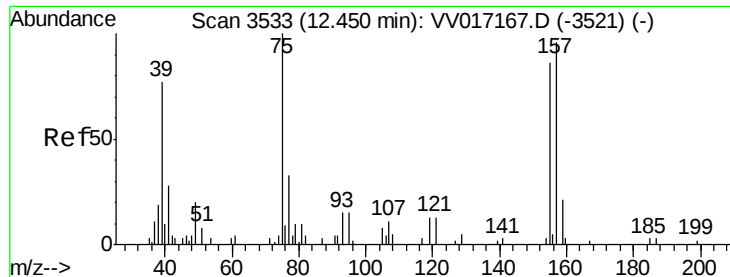
Ion Ratio Lower Upper

146 100

111 40.4 34.4 51.6

148 64.9 49.9 74.9





#67

1,2-Dibromo-3-chloropropane

Concen: 5.190 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

Instrument :

MSVOA_V

ClientSampleId :

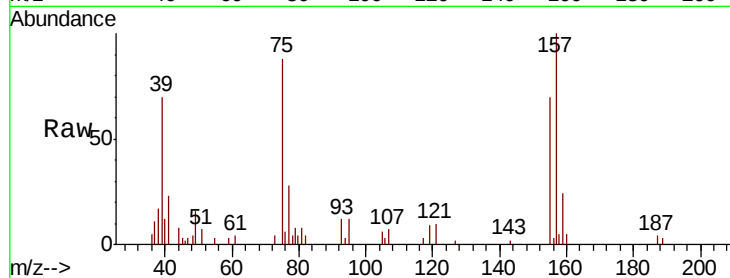
Tot Ion: 75 Resp: 6981

Ion Ratio Lower Upper

75 100

155 79.5 71.1 106.7

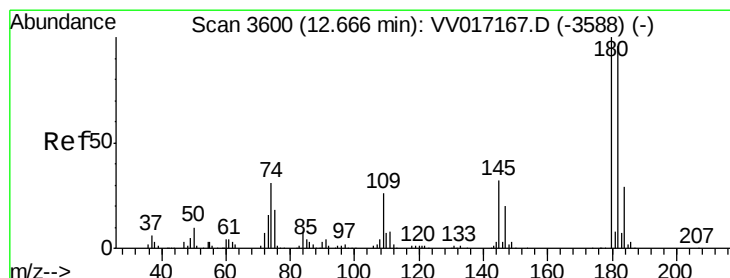
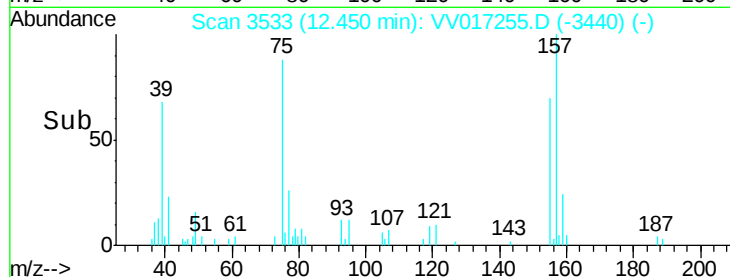
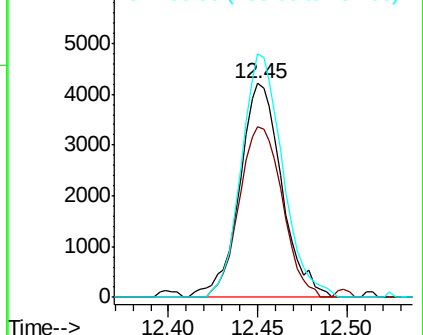
157 113.8 88.3 132.5



Abundance Ion 75.05 (74.75 to 75.75): VV017255.D (-3440) (-)

Ion 154.95 (154.65 to 155.65): VV017255.D (-3440) (-)

Ion 156.90 (156.60 to 157.60): VV017255.D (-3440) (-)



#68

1,3,5-Trichlorobenzene

Concen: 4.803 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV017255.D

Acq: 30 Jun 2020 12:49

Tgt Ion: 180 Resp: 103401

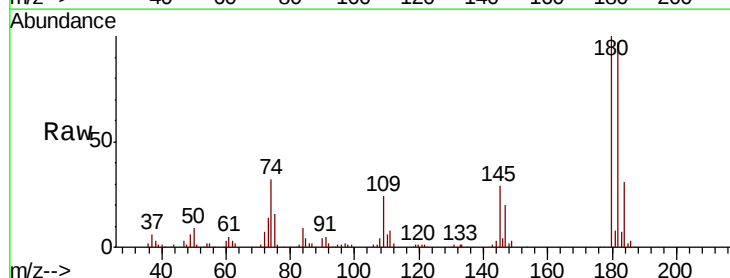
Ion Ratio Lower Upper

180 100

182 94.9 77.4 116.2

184 30.5 24.2 36.4

145 29.2 24.3 36.5

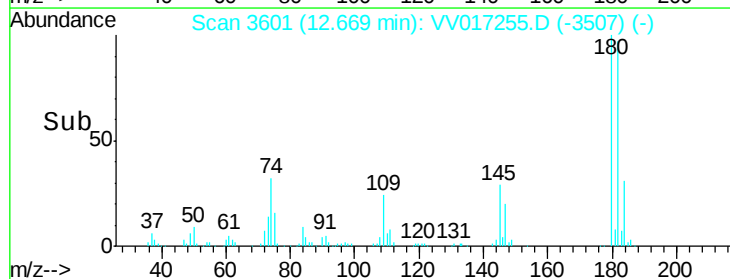
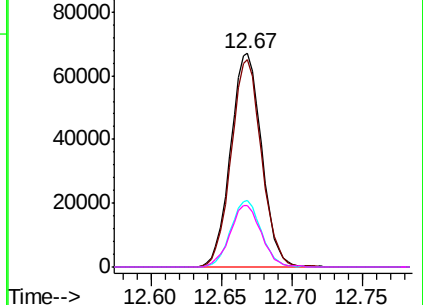


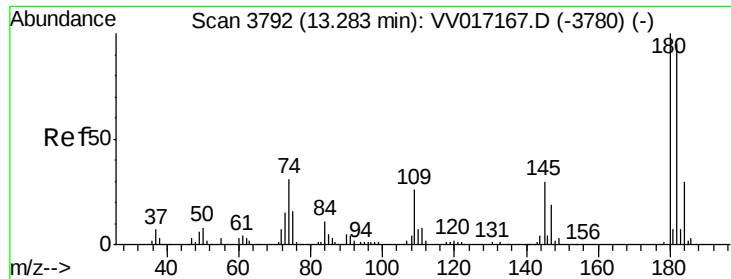
Abundance Ion 180.00 (179.70 to 180.70): VV017255.D (-3507) (-)

Ion 182.00 (181.70 to 182.70): VV017255.D (-3507) (-)

Ion 184.00 (183.70 to 184.70): VV017255.D (-3507) (-)

Ion 145.00 (144.70 to 145.70): VV017255.D (-3507) (-)

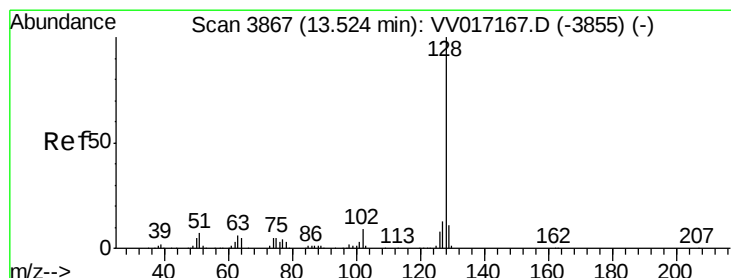
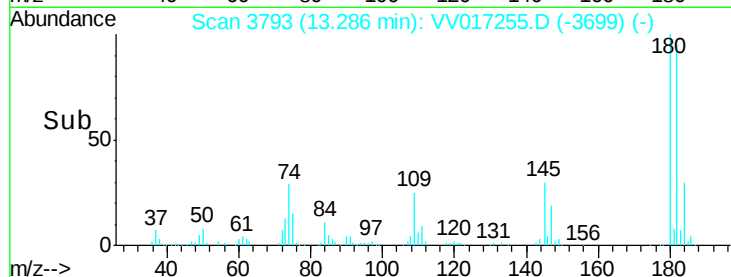
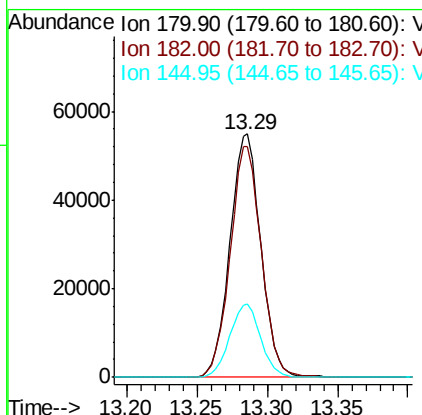
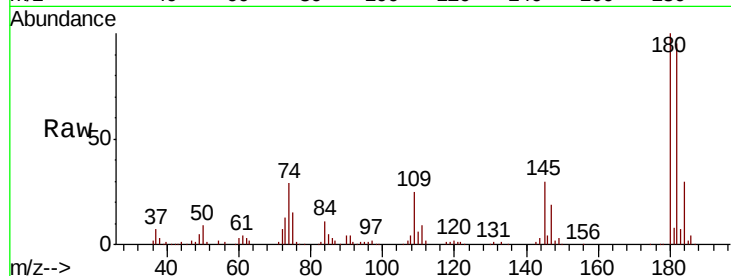




#69
 1,2,4-trichlorobenzene
 Concen: 4.754 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

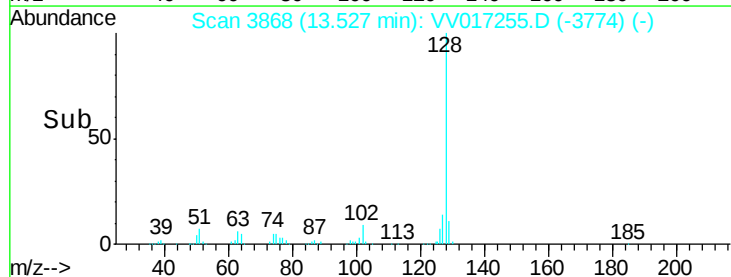
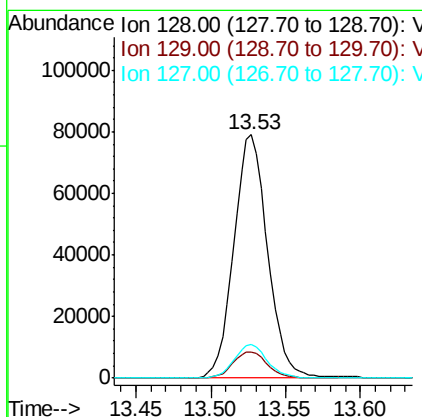
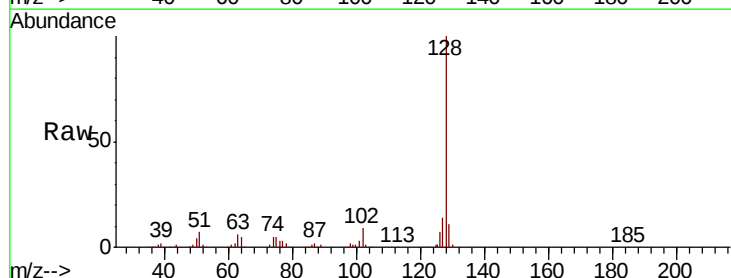
Instrument :
 MSVOA_V
 ClientSampleId :

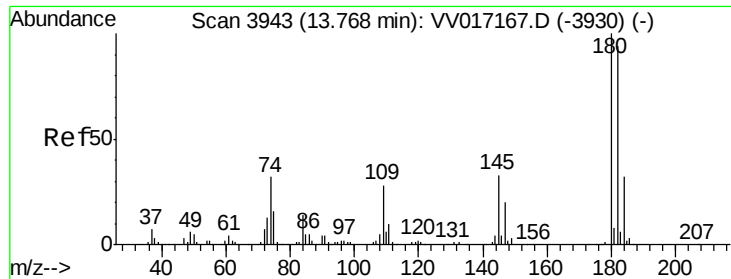
Tot Ion:180 Resp: 84263
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 114.8
 145 29.8 25.0 37.6



#70
 Naphthalene
 Concen: 4.964 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

Tgt Ion:128 Resp: 124230
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.8 13.2
 127 13.4 10.5 15.7





#71
 1,2,3-Trichlorobenzene
 Concen: 5.096 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017255.D
 Acq: 30 Jun 2020 12:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 73661
 Ion Ratio Lower Upper
 180 100
 182 93.7 77.4 116.0
 145 32.8 25.9 38.9

