

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071320\
 Data File : VV017470.D
 Acq On : 13 Jul 2020 15:16
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 14 05:17:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 14 05:08:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	287110	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	271174	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	150206	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80125	53.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.22%
7) Chloroethane-d5	1.58	69	60927	58.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	116.06%
11) 1,1-Dichloroethene-d2	2.13	63	168779	49.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.74%
21) 2-Butanone-d5	3.91	46	104759	102.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.61%
24) Chloroform-d	4.38	84	174829	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
26) 1,2-Dichloroethane-d4	5.06	65	124993	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.34%
32) Benzene-d6	5.07	84	305863	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.42%
36) 1,2-Dichloropropane-d6	6.09	67	84437	50.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.12%
41) Toluene-d8	7.34	98	297637	52.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.70%
43) trans-1,3-Dichloropropene-	7.64	79	52567	53.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.08%
47) 2-Hexanone-d5	8.11	63	75947	109.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.70%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	116960	49.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.76%
64) 1,2-Dichlorobenzene-d4	11.65	152	127225	50.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	134333	43.569	ug/L	100
3) Chloromethane	1.25	50	93651	43.144	ug/L	98
5) Vinyl chloride	1.32	62	96853	44.145	ug/L	99
6) Bromomethane	1.53	94	56934	51.124	ug/L	96
8) Chloroethane	1.60	64	53267	46.792	ug/L	97
9) Trichlorofluoromethane	1.77	101	179632	43.734	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	89079	46.721	ug/L	98
12) 1,1-Dichloroethene	2.13	96	77149	44.737	ug/L	96
13) Acetone	2.19	43	88956	64.011	ug/L	100
14) Carbon disulfide	2.31	76	210443	40.095	ug/L	100
15) Methyl Acetate	2.45	43	81160	43.997	ug/L	98
16) Methylene chloride	2.52	84	88556	44.108	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	83306	44.423	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	300706	48.064	ug/L	100
19) 1,1-Dichloroethane	3.21	63	157334	45.627	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	94714	47.137	ug/L	96
22) 2-Butanone	4.00	43	111393	82.001	ug/L	98

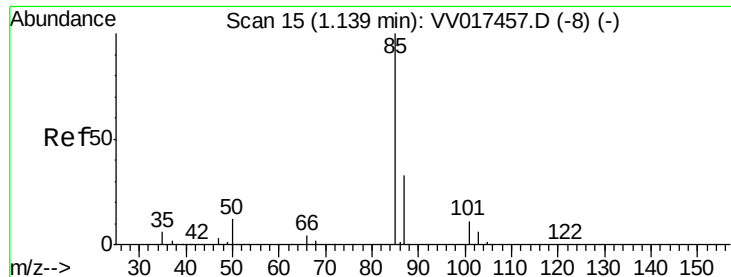
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071320\
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 Acq On : 13 Jul 2020 15:16
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 Quant Title : VOC Analysis
 QLast Update : Tue Jul 14 05:08:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	52955	47.365	ug/L	94
25) Chloroform	4.40	83	182326	47.107	ug/L	100
27) 1,2-Dichloroethane	5.15	62	156021	45.860	ug/L	100
29) Cyclohexane	4.70	56	129608	45.833	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	181957	48.795	ug/L	99
31) Carbon tetrachloride	4.86	117	168926	49.492	ug/L	97
33) Benzene	5.13	78	337328	47.059	ug/L	100
34) Trichloroethene	5.94	95	97676	45.897	ug/L	98
35) Methylcyclohexane	6.15	83	145371	46.647	ug/L	98
37) 1,2-Dichloropropane	6.20	63	82967	47.323	ug/L	100
38) Bromodichloromethane	6.53	83	138774	48.610	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	146153	48.917	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	234608	96.774	ug/L	98
42) Toluene	7.41	91	380916	47.543	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	153603	49.705	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	87498	45.997	ug/L	99
46) Tetrachloroethene	8.00	164	82735	46.299	ug/L	97
48) 2-Hexanone	8.16	43	182510	92.997	ug/L	98
49) Dibromochloromethane	8.27	129	113146	47.680	ug/L	100
50) 1,2-Dibromoethane	8.37	107	97377	47.826	ug/L	96
51) Chlorobenzene	8.90	112	254528	46.881	ug/L	99
52) Ethylbenzene	9.03	91	433442	47.297	ug/L	100
53) m,p-Xylene	9.16	106	163507	47.657	ug/L	97
54) o-xylene	9.57	106	162840	49.413	ug/L	99
55) Styrene	9.58	104	278564	48.663	ug/L	98
56) Isopropylbenzene	9.95	105	452773	49.385	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	129683	46.423	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	115979	47.738	ug/L	99
61) Bromoform	9.75	173	85835	47.508	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	219268	46.782	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	217541	45.731	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	219872	47.059	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	35981	47.326	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	167717	47.503	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	154064	49.762	ug/L	98
69) Naphthalene	13.52	128	447496	51.757	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	156546	49.709	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 43.569 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

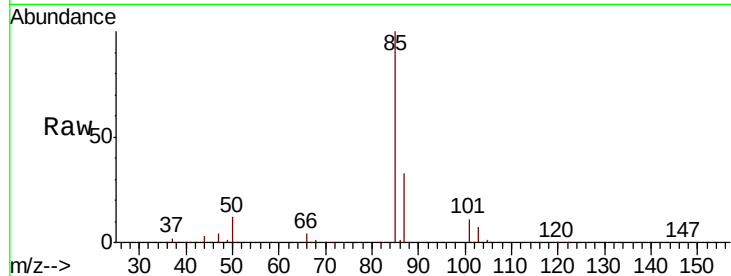
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 134333

Ion Ratio Lower Upper

85 100

87 32.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017470.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV017470.D (-1) (-)

1.14

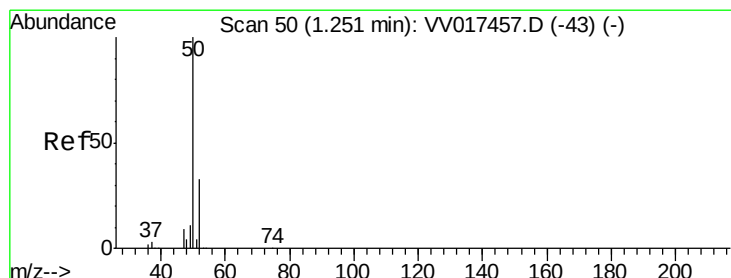
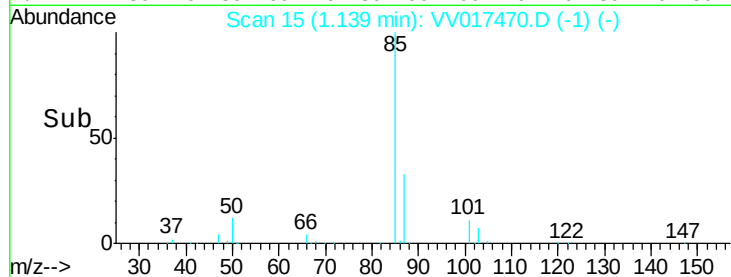
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 43.144 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017470.D

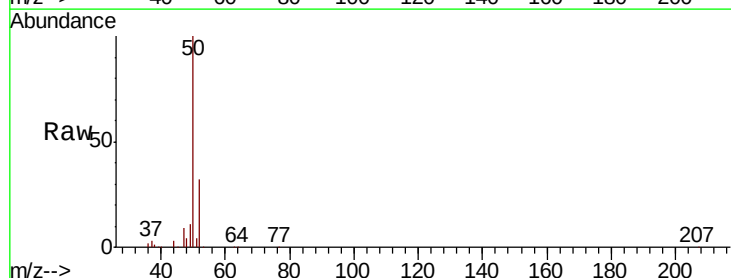
Acq: 13 Jul 2020 15:16

Tgt Ion: 50 Resp: 93651

Ion Ratio Lower Upper

50 100

52 32.5 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VV017470.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV017470.D (-1) (-)

1.25

100000

80000

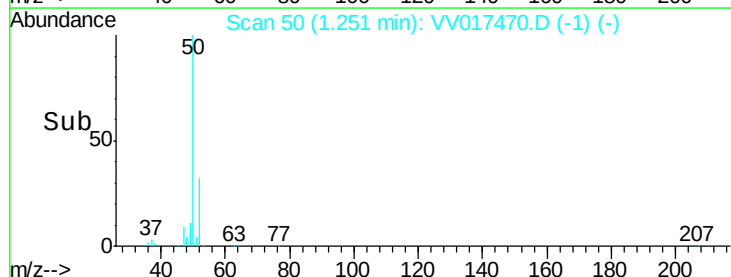
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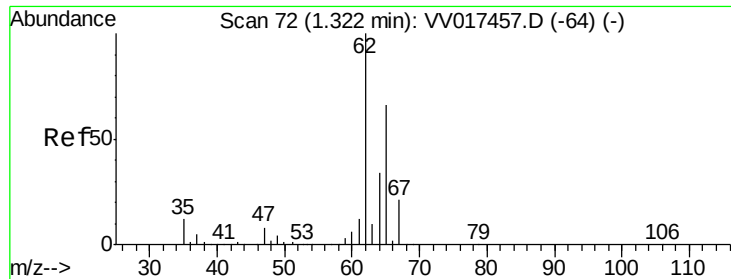
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 44.145 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

Instrument :

MSVOA_V

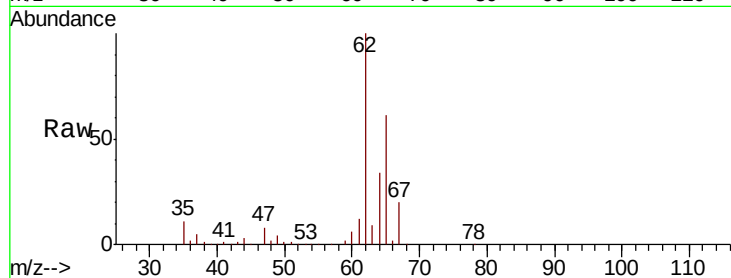
ClientSampled :

Tot Ion: 62 Resp: 96853

Ion Ratio Lower Upper

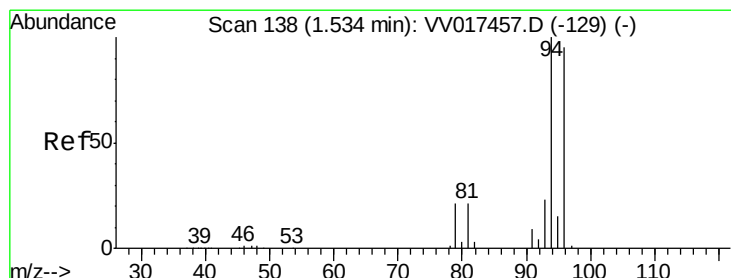
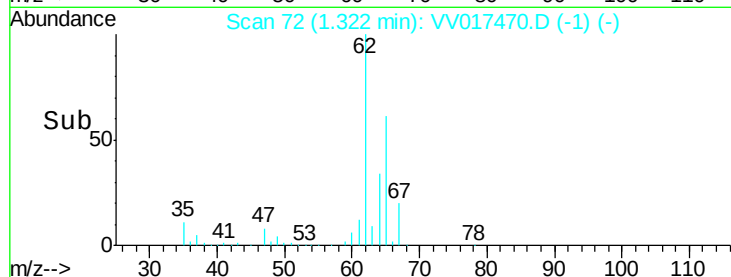
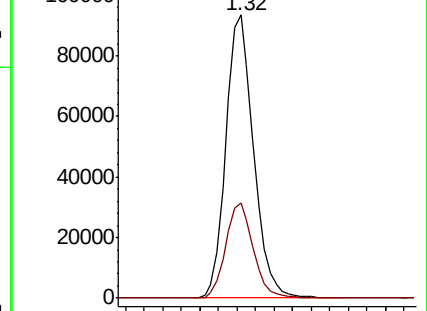
62 100

64 33.7 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 51.124 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017470.D

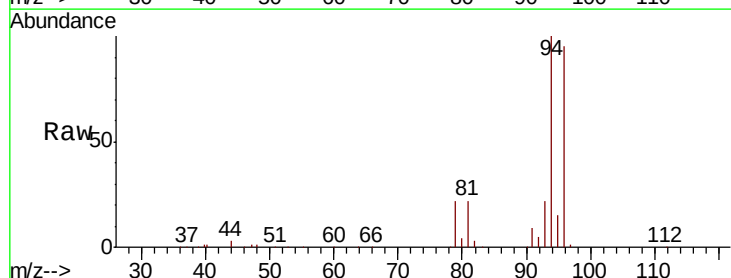
Acq: 13 Jul 2020 15:16

Tgt Ion: 94 Resp: 56934

Ion Ratio Lower Upper

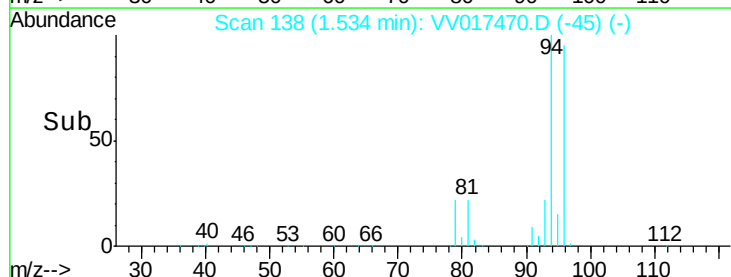
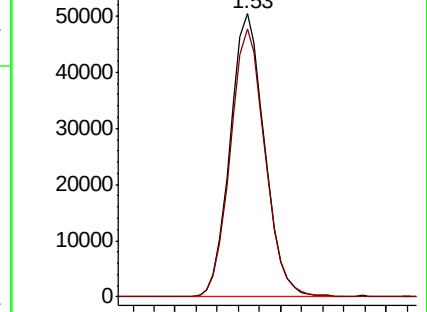
94 100

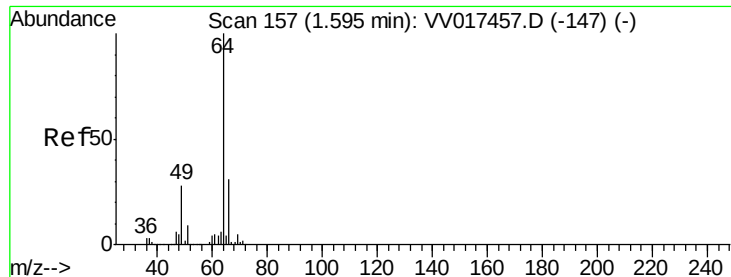
96 94.5 69.0 128.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 46.792 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

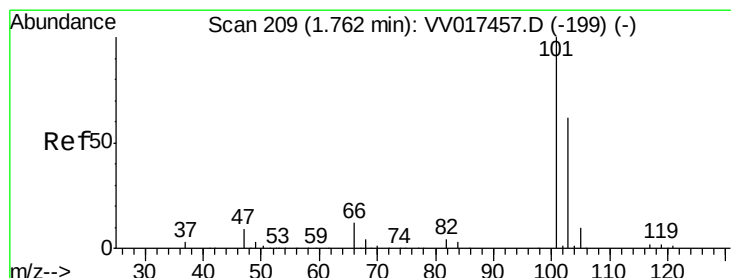
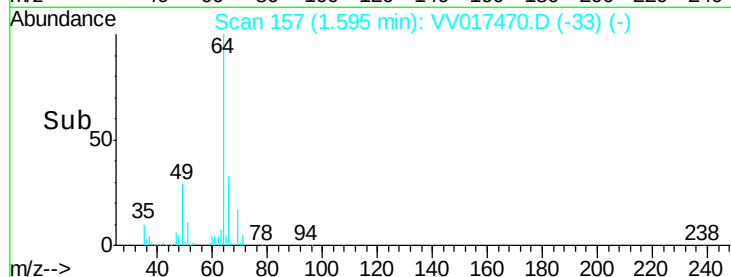
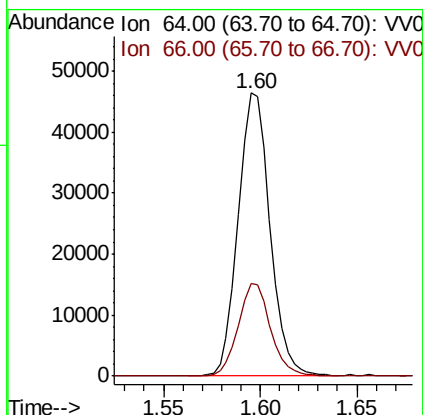
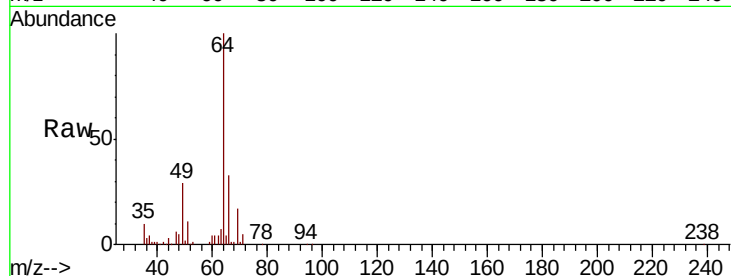
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 53267

Ion Ratio Lower Upper

64 100

66 32.8 21.8 40.4



#9

Trichlorofluoromethane

Concen: 43.734 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV017470.D

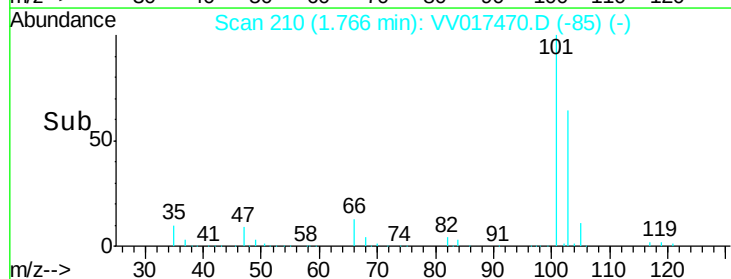
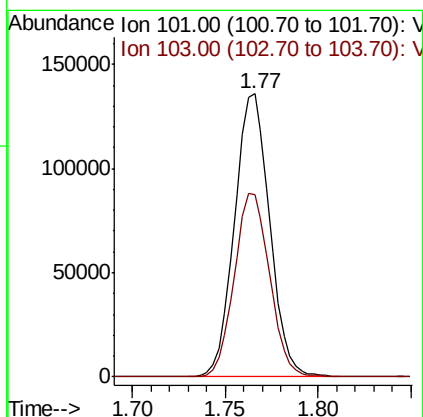
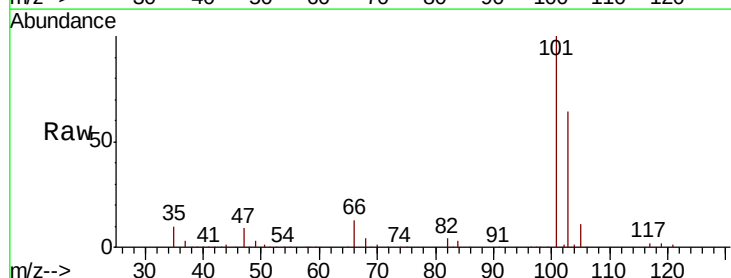
Acq: 13 Jul 2020 15:16

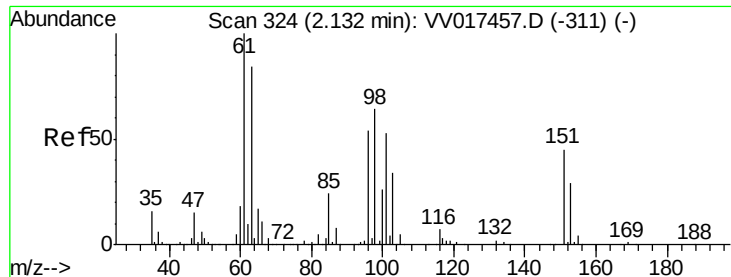
Tgt Ion:101 Resp: 179632

Ion Ratio Lower Upper

101 100

103 65.2 51.9 77.9





#10

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

Concen: 46.721 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

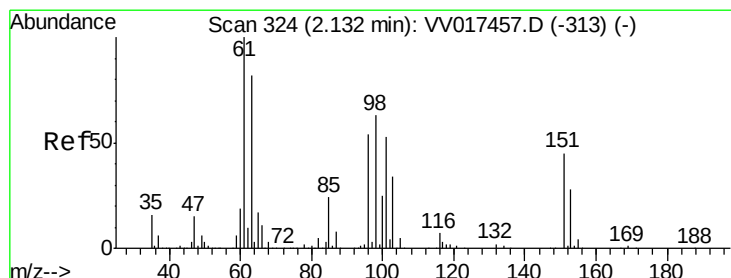
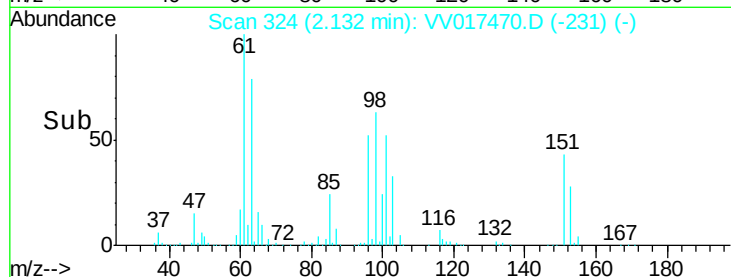
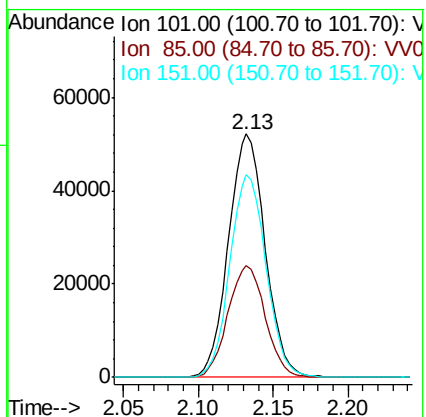
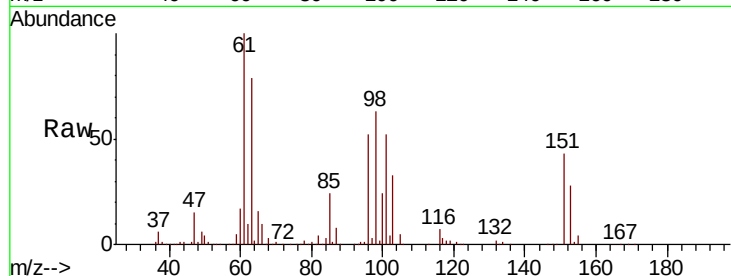
Tot Ion:101 Resp: 89079

Ion Ratio Lower Upper

101 100

85 46.7 36.2 54.4

151 82.4 66.8 100.2



#12

1,1-Dichloroethene

Concen: 44.737 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

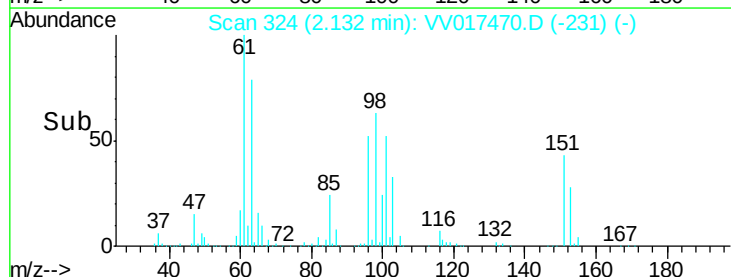
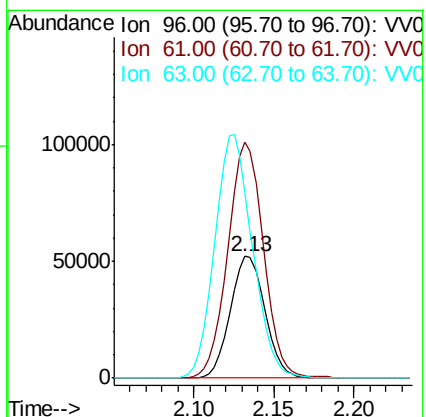
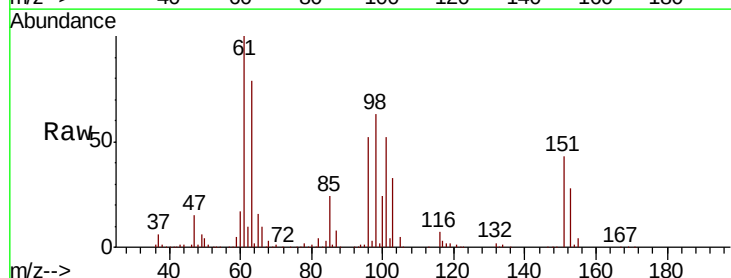
Tgt Ion: 96 Resp: 77149

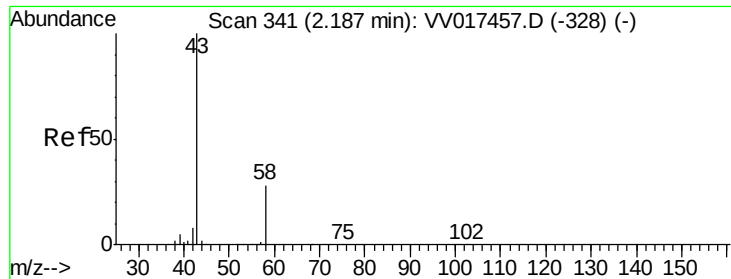
Ion Ratio Lower Upper

96 100

61 194.1 132.7 246.4

63 153.3 103.3 191.8





#13

Acetone

Concen: 64.011 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

Instrument :

MSVOA_V

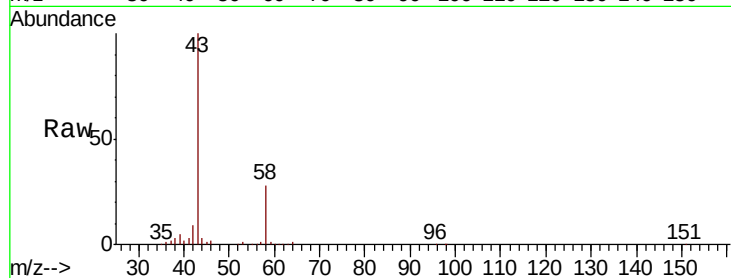
ClientSampleId :

Tot Ion: 43 Resp: 88956

Ion Ratio Lower Upper

43 100

58 28.0 0.0 56.0



Abundance Ion 43.00 (42.70 to 43.70): VV017470.D (-248) (-)

Ion 58.00 (57.70 to 58.70): VV017470.D (-248) (-)

2.19

40000

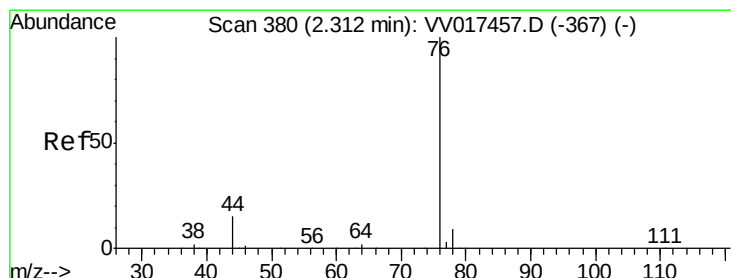
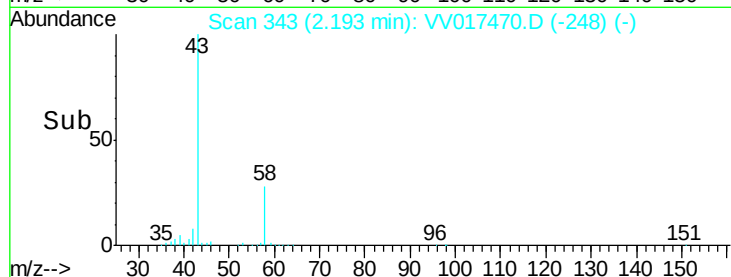
30000

20000

10000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 40.095 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017470.D

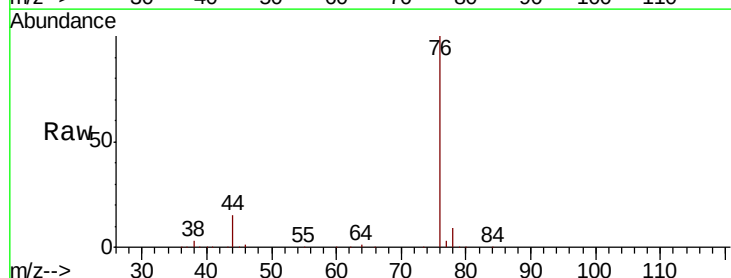
Acq: 13 Jul 2020 15:16

Tgt Ion: 76 Resp: 210443

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV017470.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV017470.D (-287) (-)

2.31

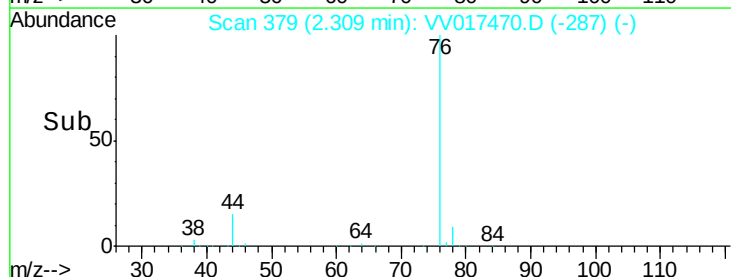
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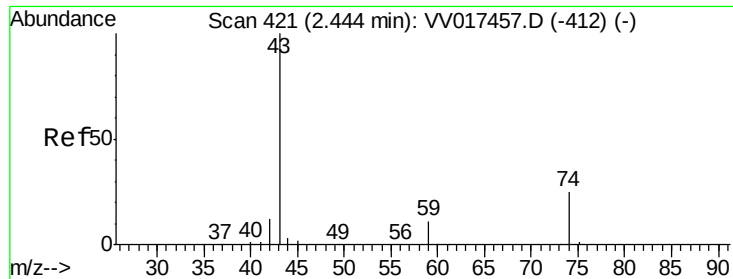
100000

50000

0

Time--> 2.25 2.30 2.35 2.40

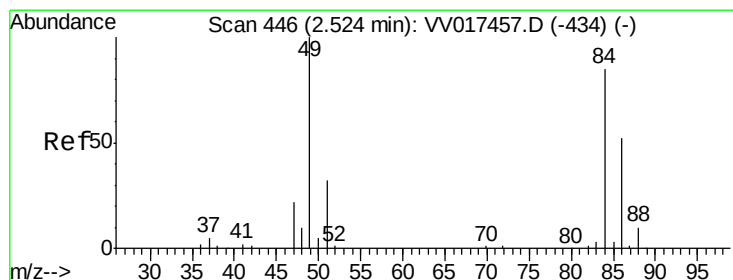
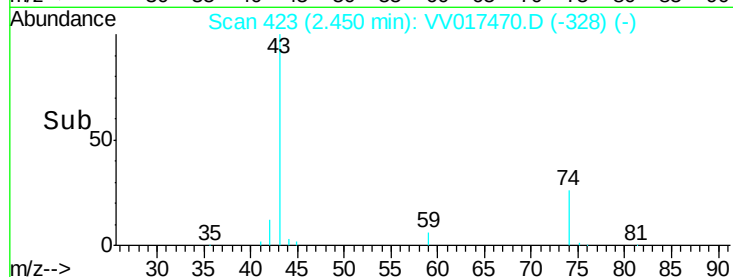
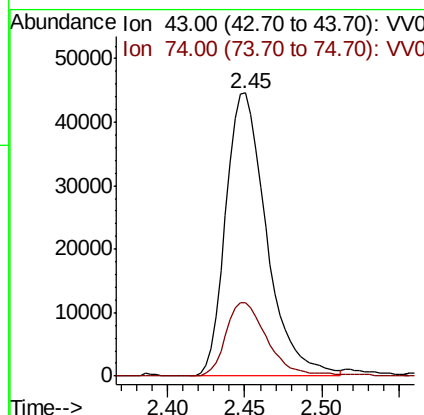
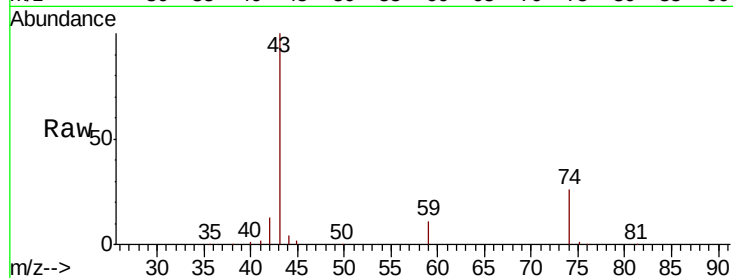




#15
Methvl Acetate
Concen: 43.997 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV017470.D
Acq: 13 Jul 2020 15:16

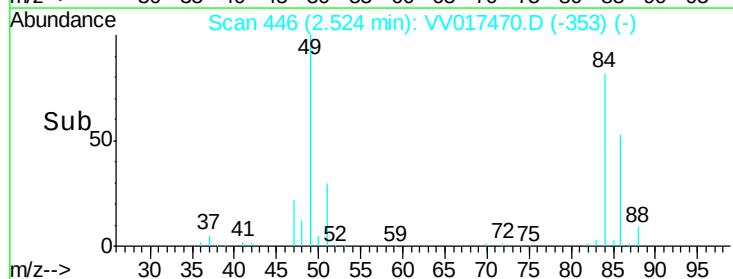
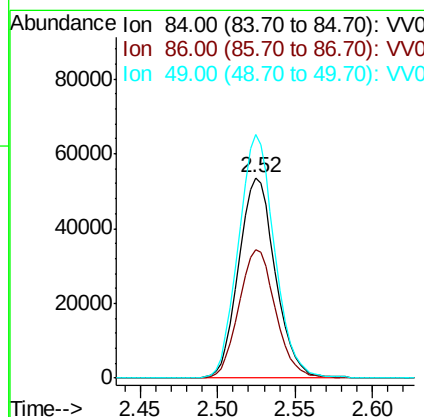
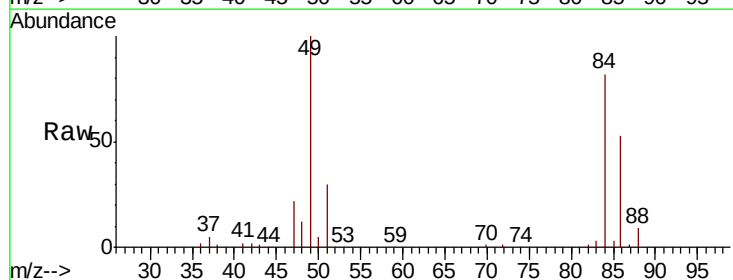
Instrument :
MSVOA_V
ClientSampleId :

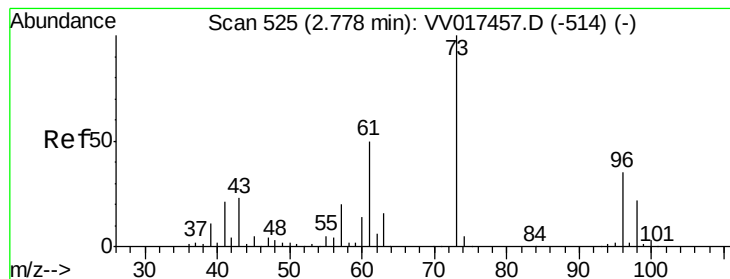
Tot Ion: 43 Resp: 81160
Ion Ratio Lower Upper
43 100
74 26.4 20.2 30.4



#16
Methylene chloride
Concen: 44.108 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV017470.D
Acq: 13 Jul 2020 15:16

Tgt Ion: 84 Resp: 88556
Ion Ratio Lower Upper
84 100
86 64.4 46.5 86.5
49 121.4 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 44.423 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

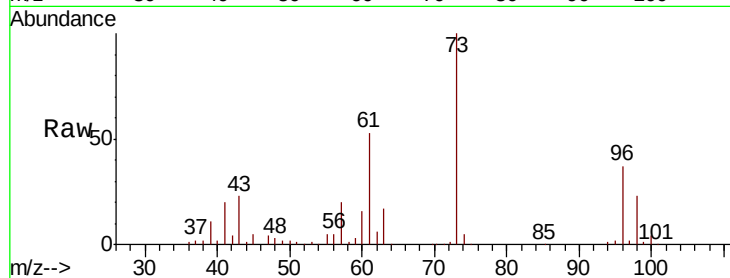
Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 83306

Ion	Ratio	Lower	Upper
96	100		
61	140.8	99.0	184.0
98	60.7	44.4	82.5

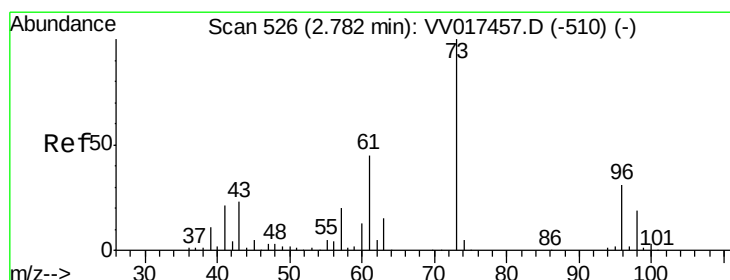
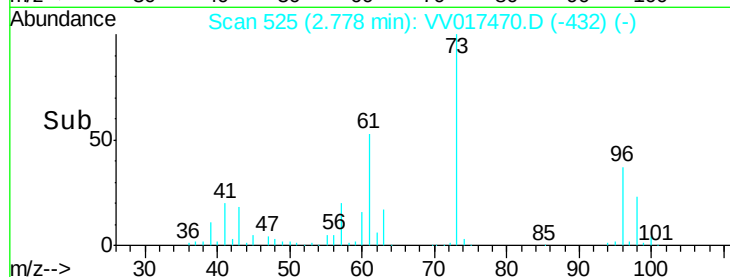
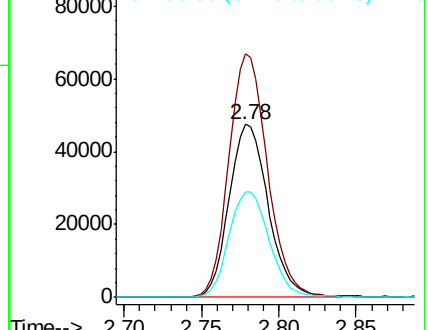


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 48.064 ug/L

RT: 2.78 min Scan# 527

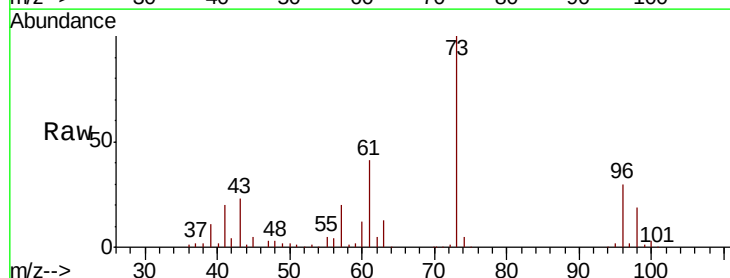
Delta R.T. 0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

Tgt Ion: 73 Resp: 300706

Ion	Ratio	Lower	Upper
73	100		
43	22.7	18.2	27.2
57	19.9	16.2	24.4

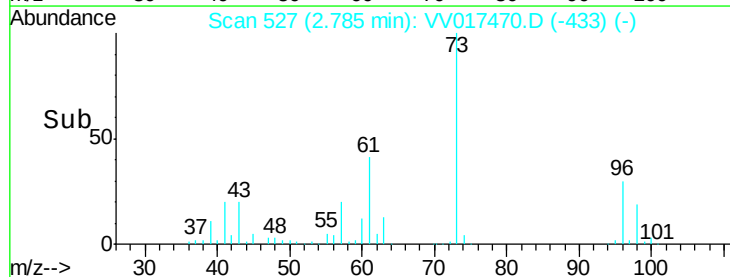
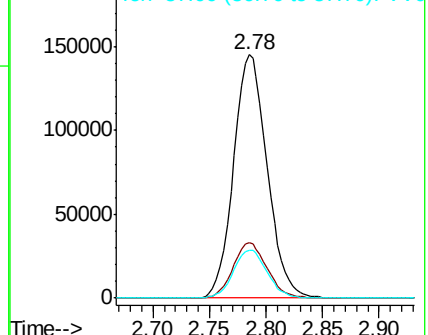


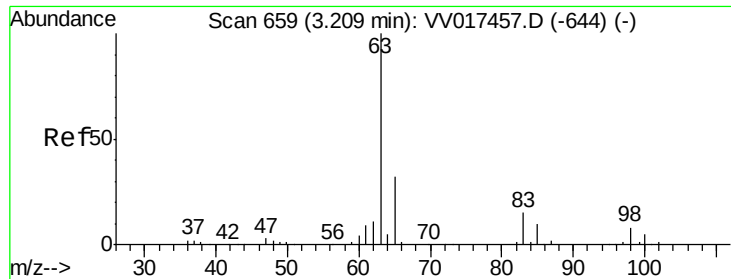
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

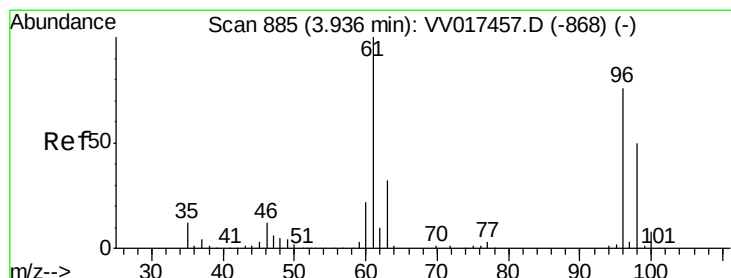
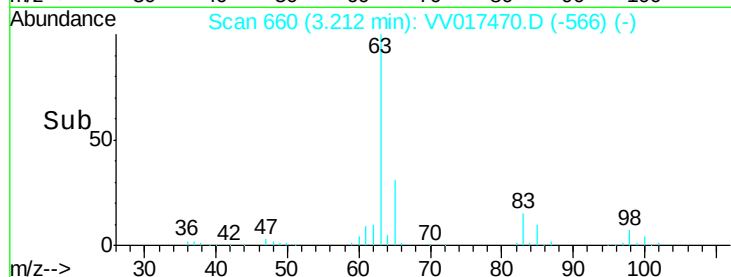
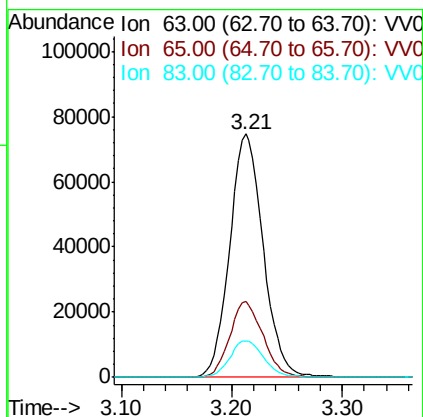
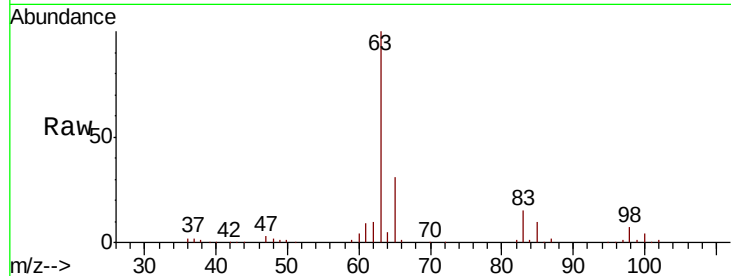




#19
 1,1-Dichloroethane
 Concen: 45.627 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

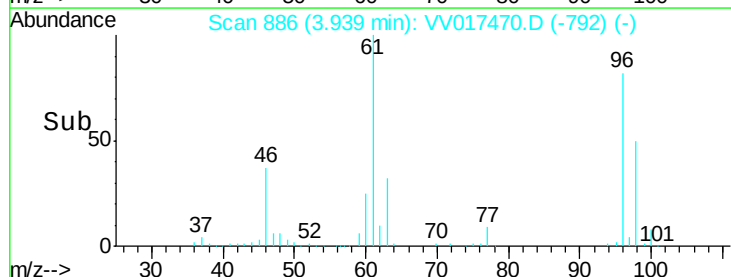
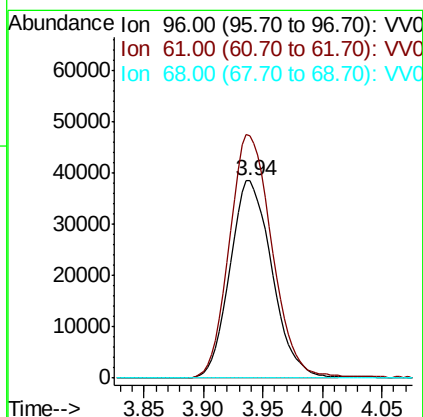
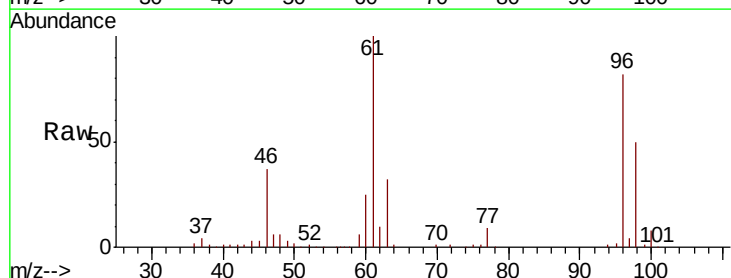
Instrument :
 MSVOA_V
 ClientSampleId :

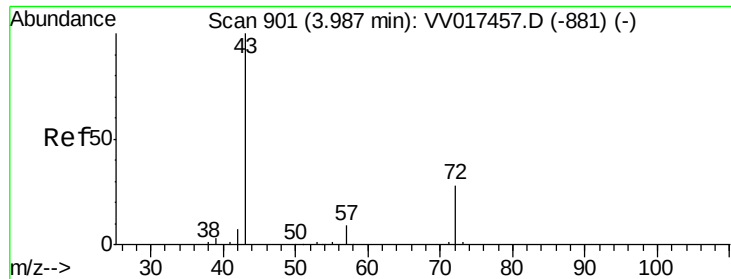
Tot Ion: 63 Resp: 157334
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.1 41.1
 83 15.1 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 47.137 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

Tgt Ion: 96 Resp: 94714
 Ion Ratio Lower Upper
 96 100
 61 122.6 88.9 165.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 82.001 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.01 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

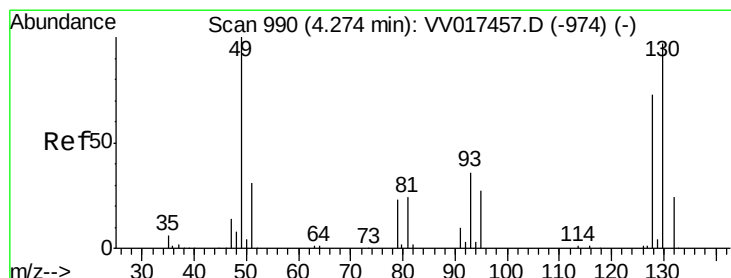
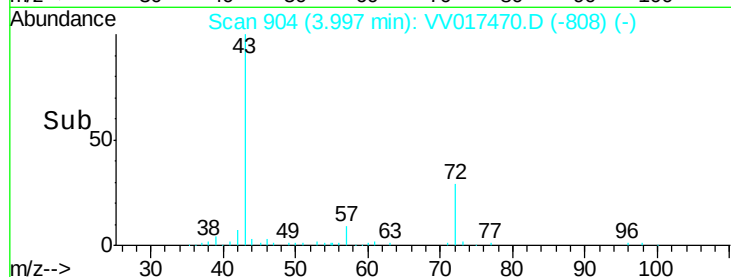
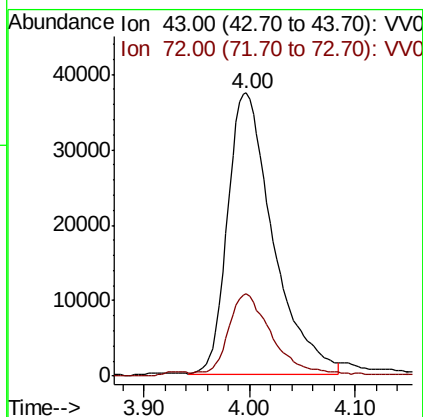
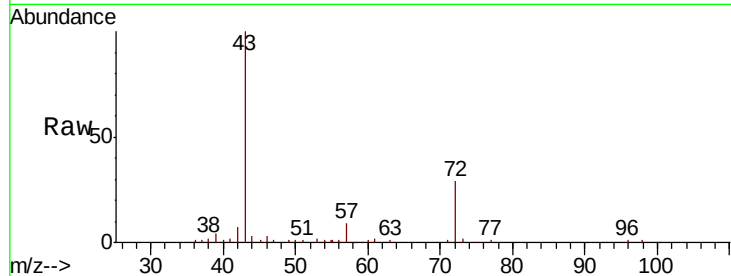
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 111393

Ion Ratio Lower Upper

43 100

72 24.6 11.9 35.5



#23

Bromochloromethane

Concen: 47.365 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

Tgt Ion: 128 Resp: 52955

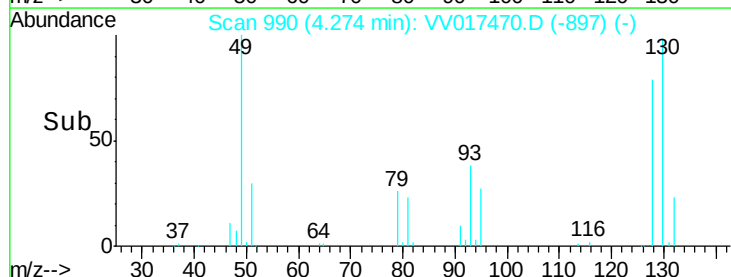
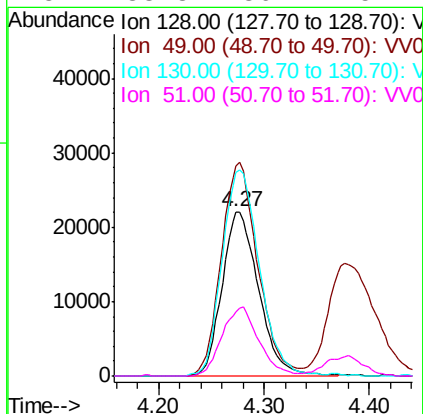
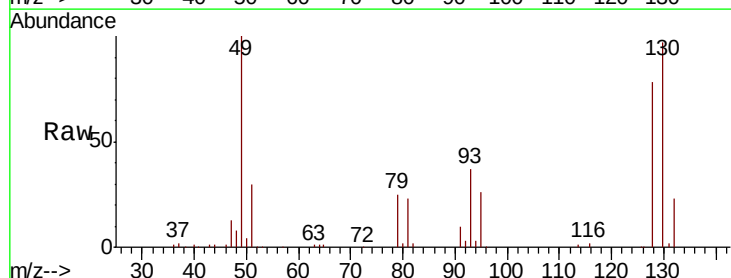
Ion Ratio Lower Upper

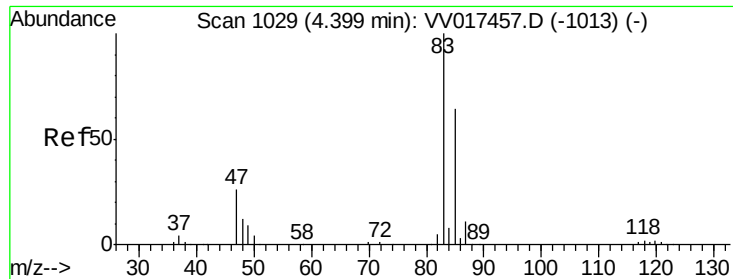
128 100

49 128.0 96.7 179.5

130 123.8 88.3 164.1

51 38.8 36.1 54.1

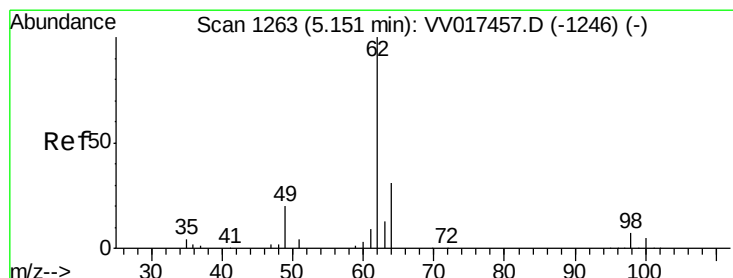
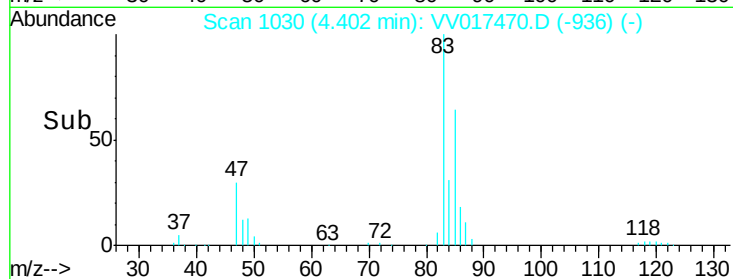
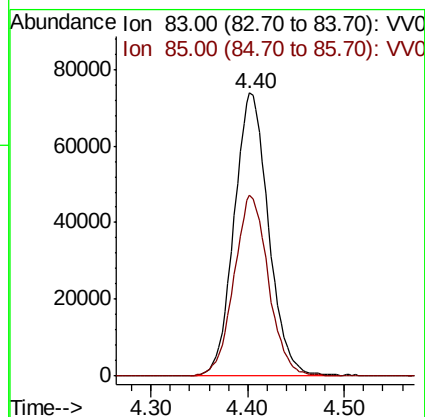
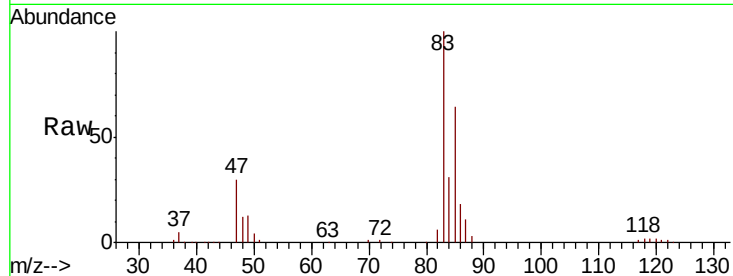




#25
Chloroform
Concen: 47.107 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017470.D
Acq: 13 Jul 2020 15:16

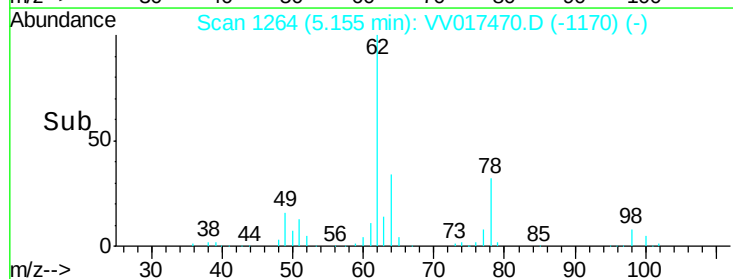
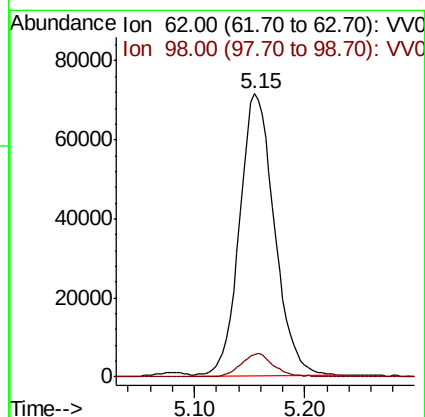
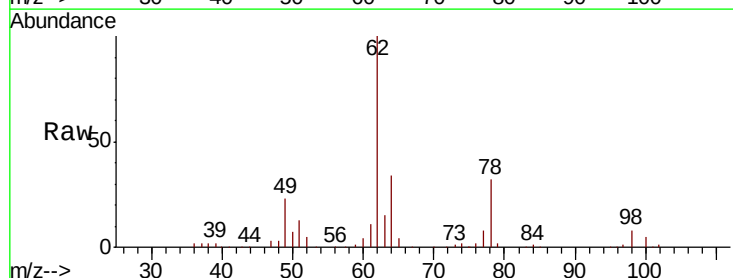
Instrument :
MSVOA_V
ClientSampleId :

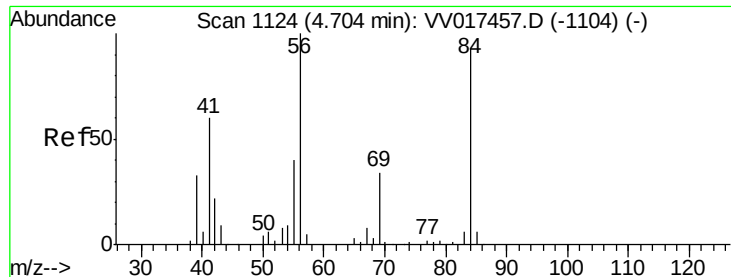
Tot Ion: 83 Resp: 182326
Ion Ratio Lower Upper
83 100
85 64.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 45.860 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017470.D
Acq: 13 Jul 2020 15:16

Tgt Ion: 62 Resp: 156021
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6

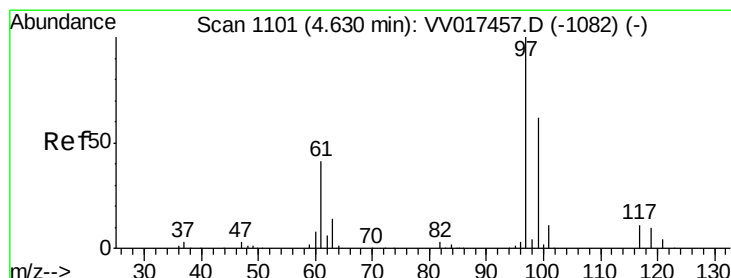
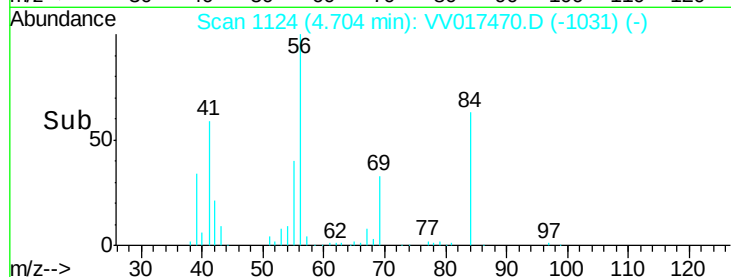
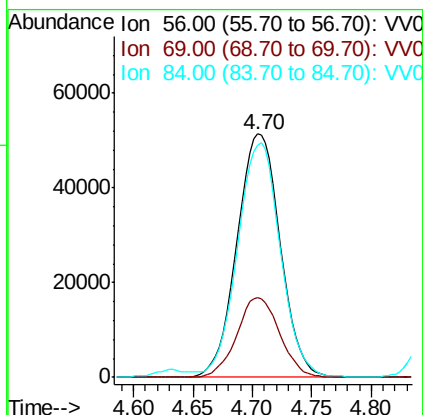
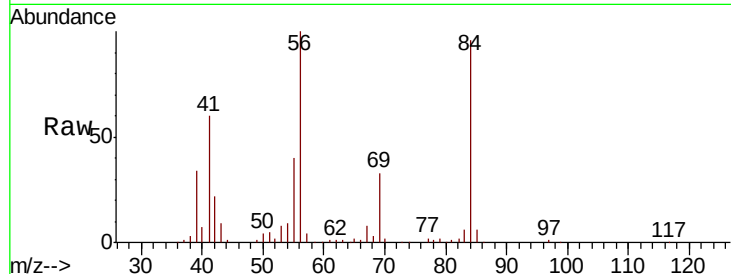




#29
Cyclohexane
Concen: 45.833 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV017470.D
Acq: 13 Jul 2020 15:16

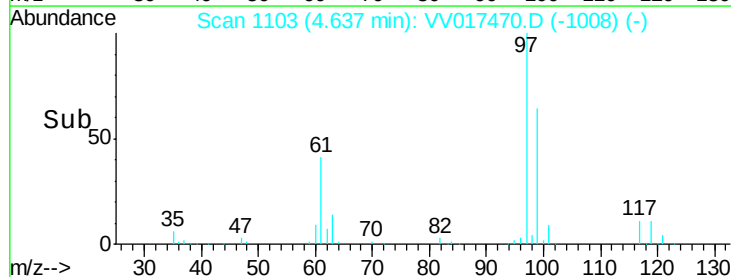
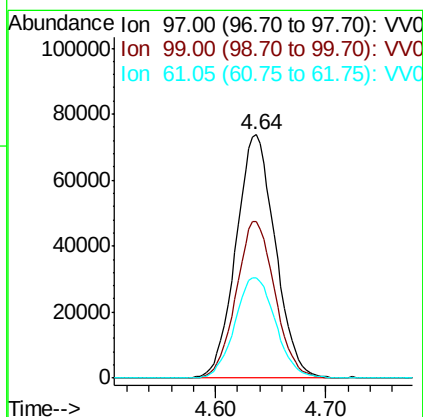
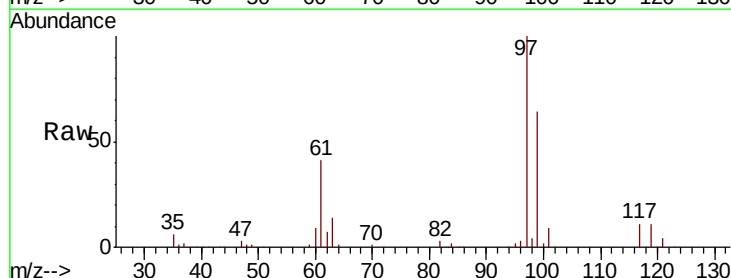
Instrument :
MSVOA_V
ClientSampleId :

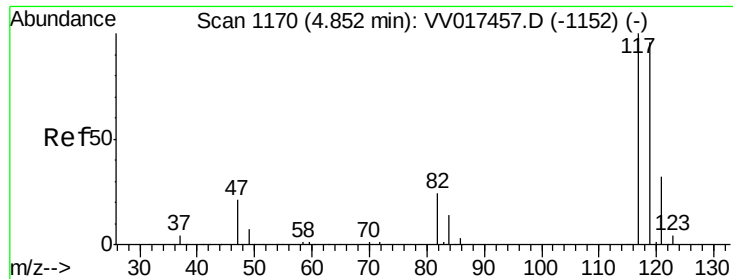
Tot Ion: 56 Resp: 129608
Ion Ratio Lower Upper
56 100
69 32.4 27.0 40.4
84 95.3 77.4 116.0



#30
1,1,1-Trichloroethane
Concen: 48.795 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VV017470.D
Acq: 13 Jul 2020 15:16

Tgt Ion: 97 Resp: 181957
Ion Ratio Lower Upper
97 100
99 63.5 51.3 76.9
61 42.9 34.1 51.1





#31

Carbon tetrachloride

Concen: 49.492 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

Instrument :

MSVOA_V

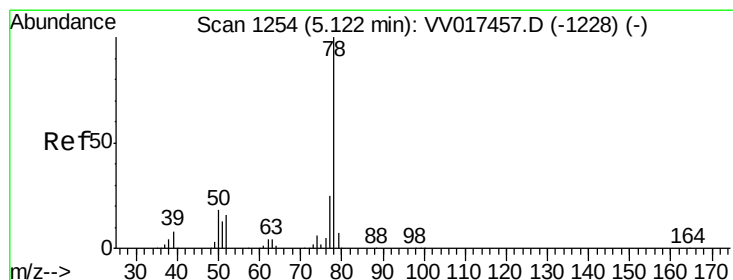
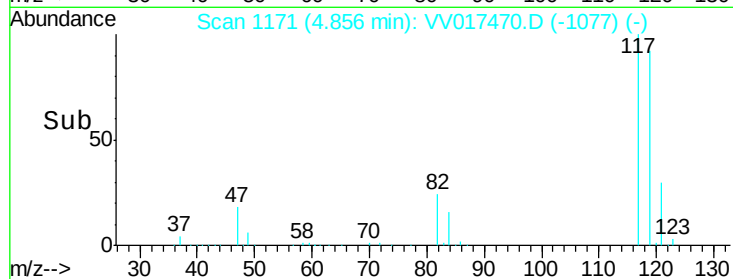
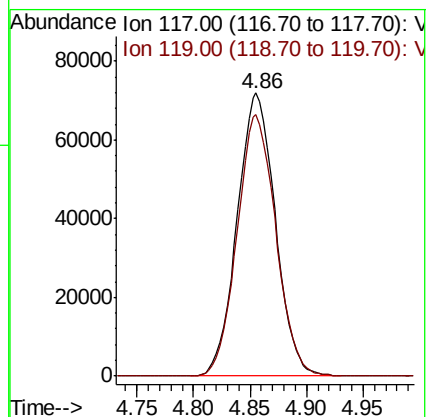
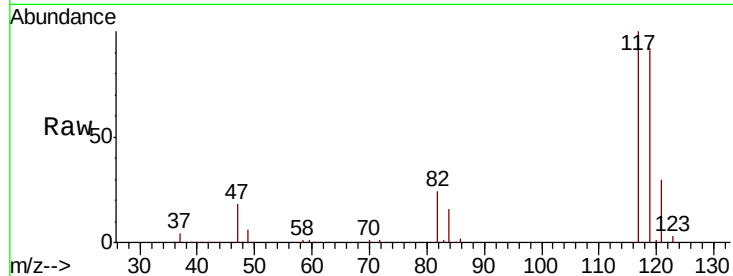
ClientSampleId :

Tot Ion:117 Resp: 168926

Ion Ratio Lower Upper

117 100

119 93.7 77.4 116.0



#33

Benzene

Concen: 47.059 ug/L

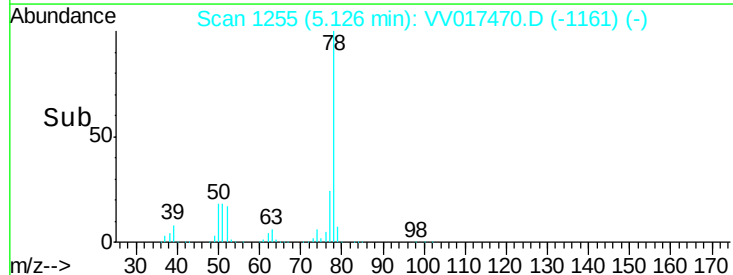
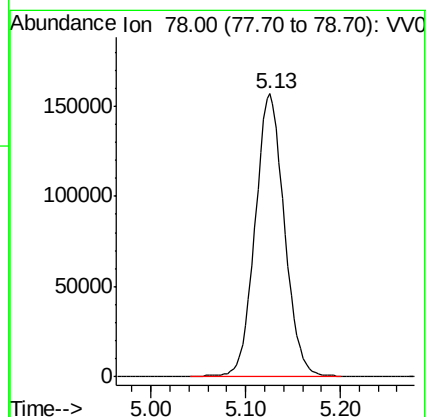
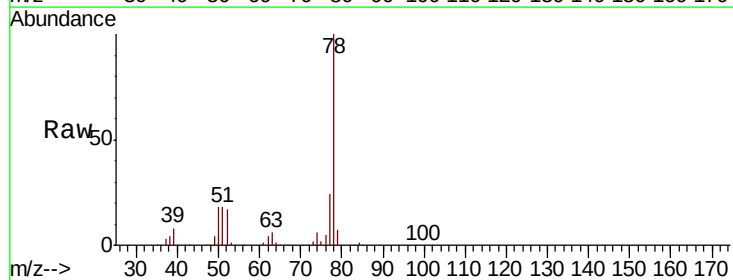
RT: 5.13 min Scan# 1255

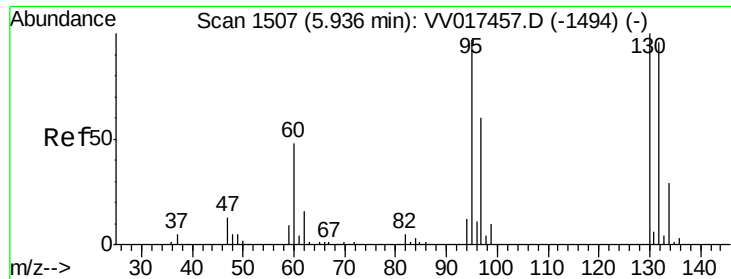
Delta R.T. 0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

Tgt Ion: 78 Resp: 337328





#34

Trichloroethene

Concen: 45.897 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 97676

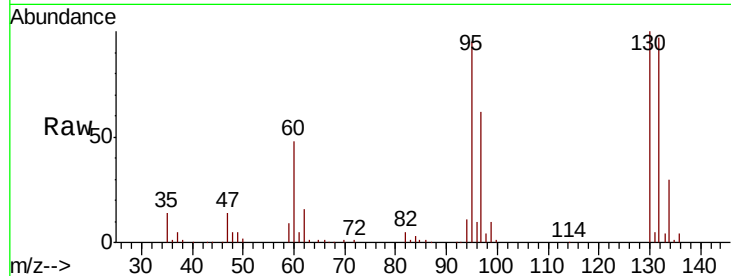
Ion Ratio Lower Upper

95 100

97 65.1 45.6 84.6

132 102.1 74.1 137.5

130 105.3 75.5 140.3

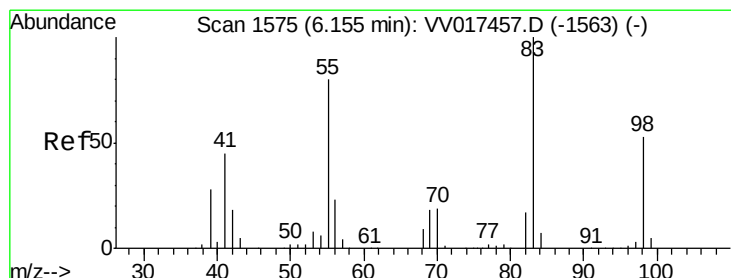
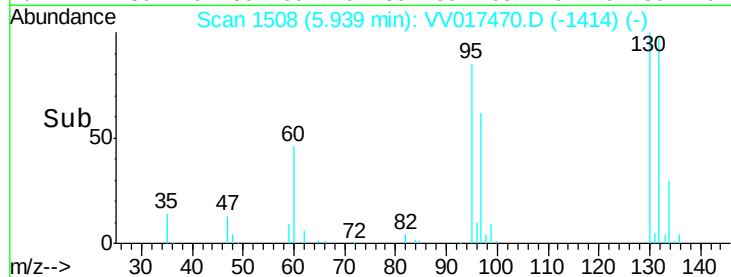
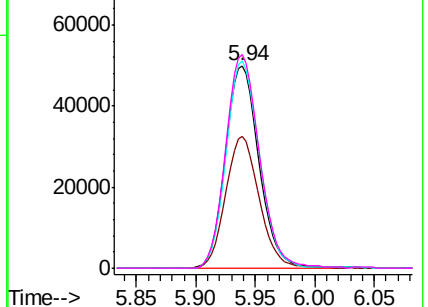


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 46.647 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

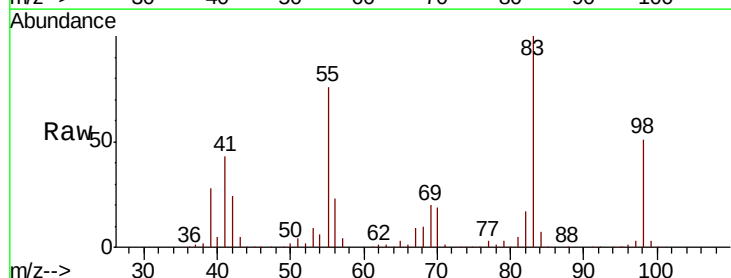
Tgt Ion: 83 Resp: 145371

Ion Ratio Lower Upper

83 100

55 74.8 61.0 91.6

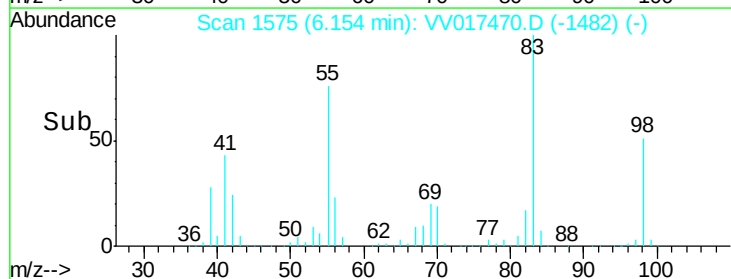
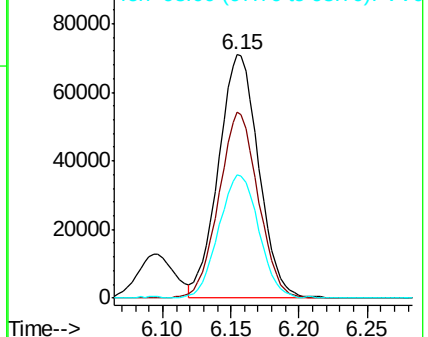
98 50.3 41.3 61.9

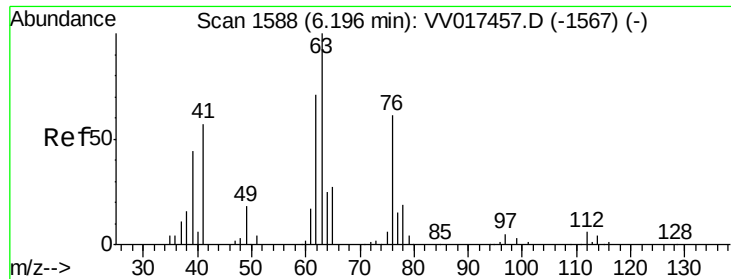


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

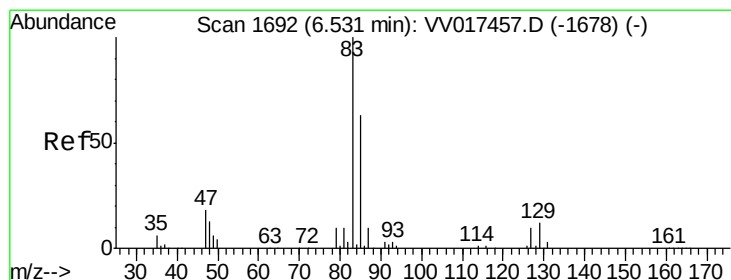
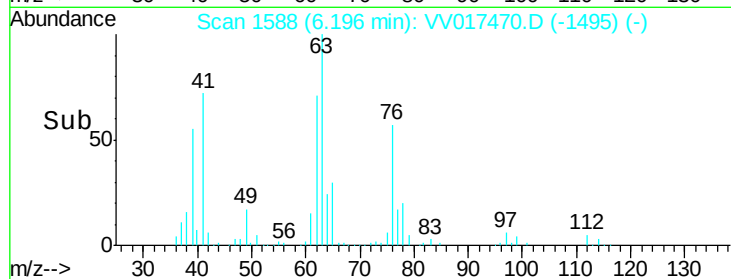
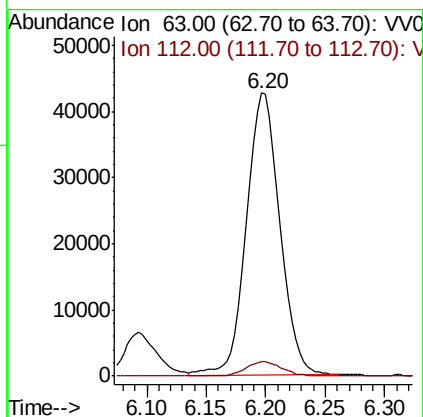
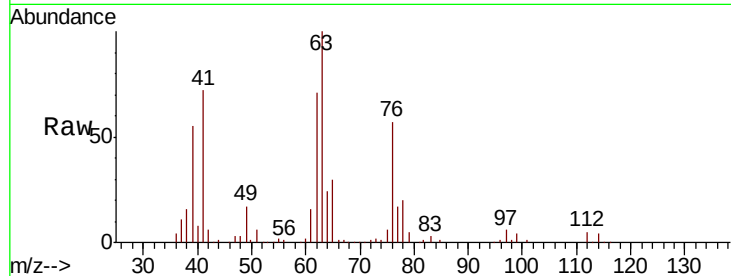




#37
 1,2-Dichloropropane
 Concen: 47.323 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

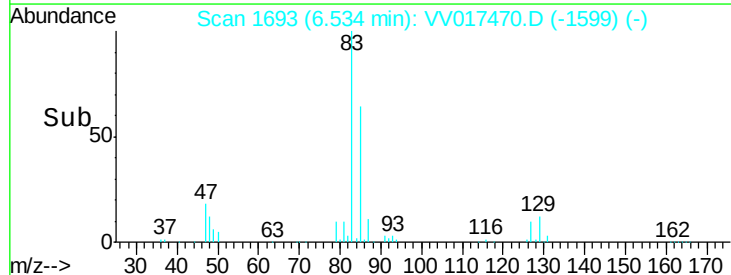
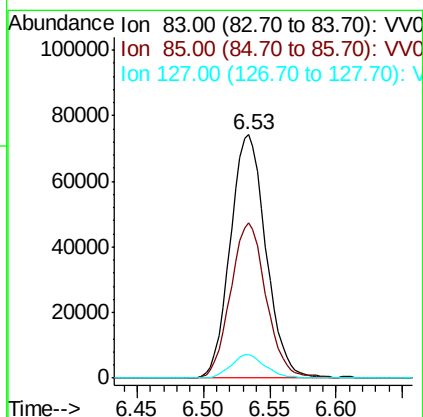
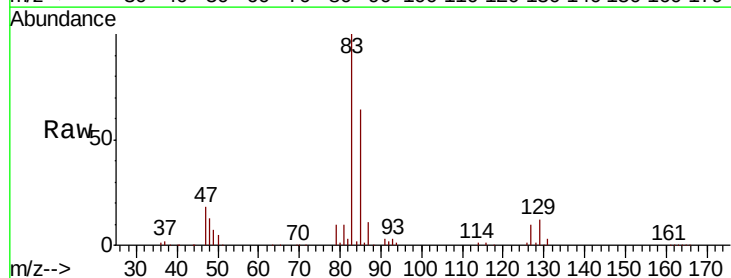
Instrument :
 MSVOA_V
 ClientSampleId :

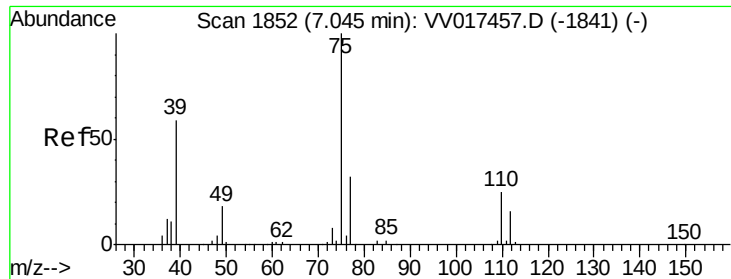
Tot Ion: 63 Resp: 82967
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.4 6.6



#38
 Bromodichloromethane
 Concen: 48.610 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

Tgt Ion: 83 Resp: 138774
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.6 82.8
 127 9.9 7.4 11.2

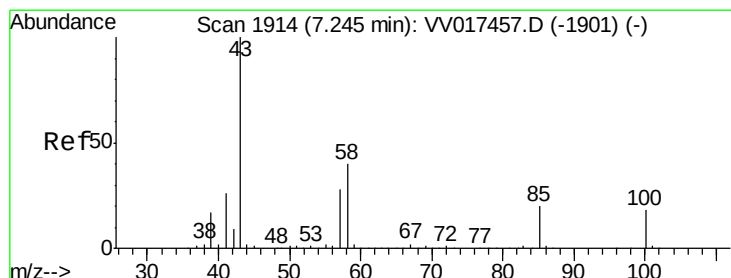
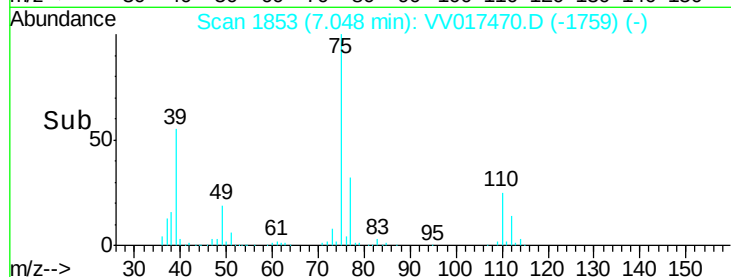
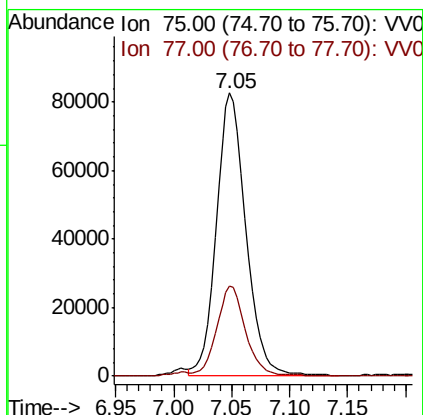
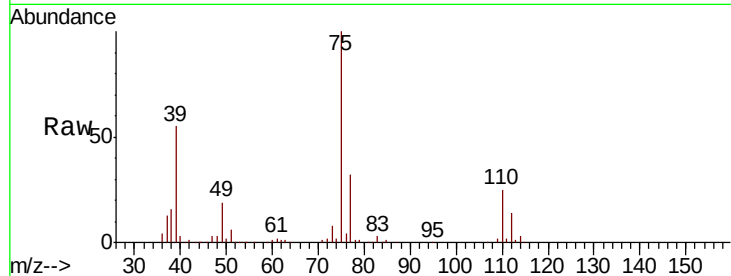




#39
 cis-1,3-Dichloropropene
 Concen: 48.917 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

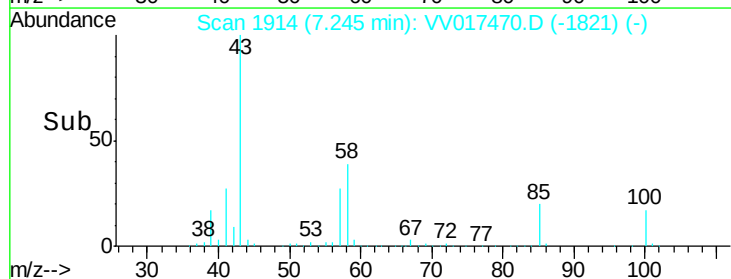
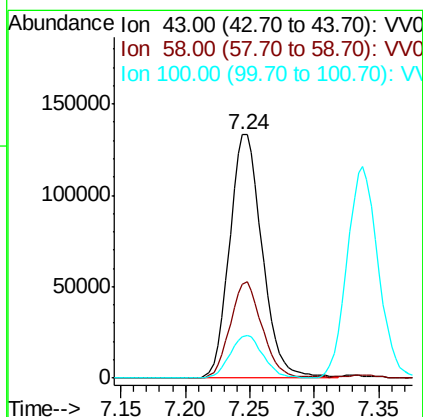
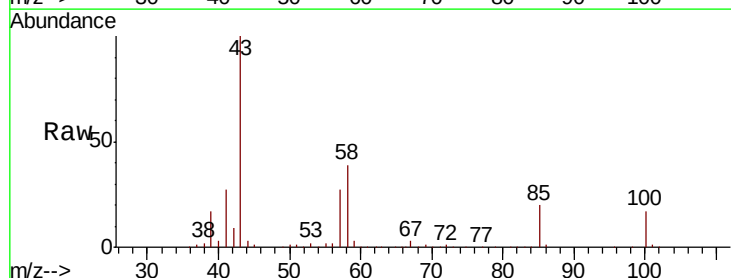
Instrument :
 MSVOA_V
 ClientSampleId :

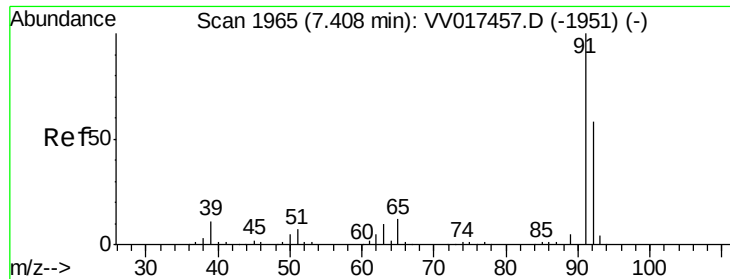
Tot Ion: 75 Resp: 146153
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 96.774 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

Tgt Ion: 43 Resp: 234608
 Ion Ratio Lower Upper
 43 100
 58 38.9 32.2 48.4
 100 17.8 14.1 21.1





#42

Toluene

Concen: 47.543 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

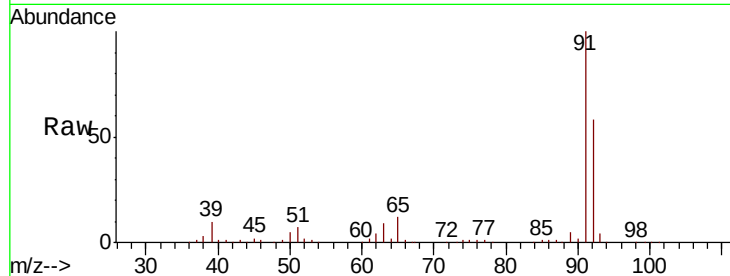
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 380916

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

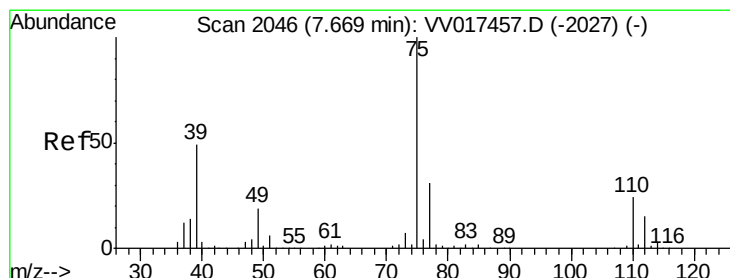
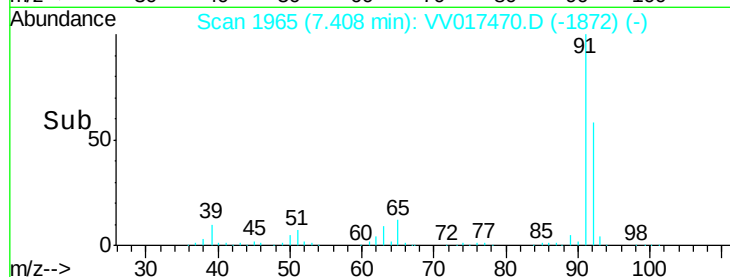
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 49.705 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017470.D

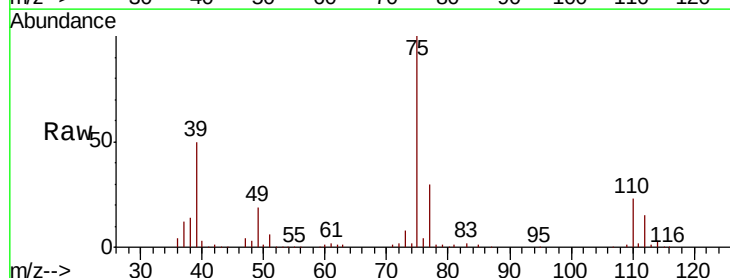
Acq: 13 Jul 2020 15:16

Tgt Ion: 75 Resp: 153603

Ion Ratio Lower Upper

75 100

77 30.2 21.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

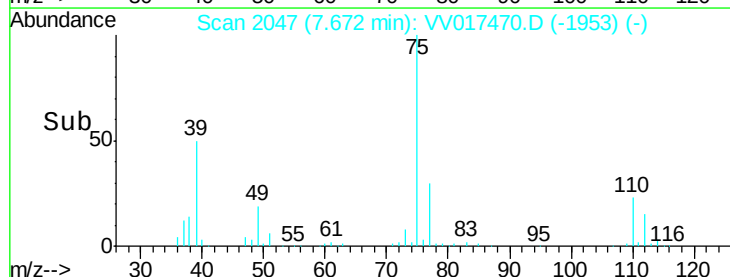
60000

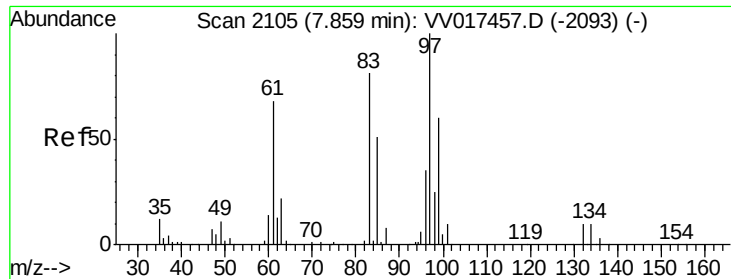
40000

20000

0

Time--> 7.60 7.70 7.80

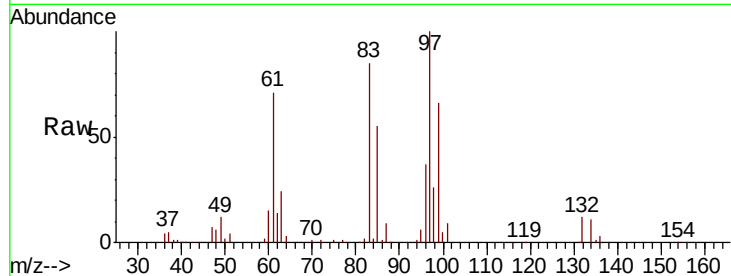




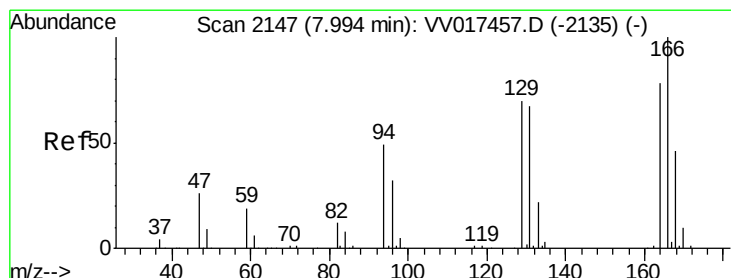
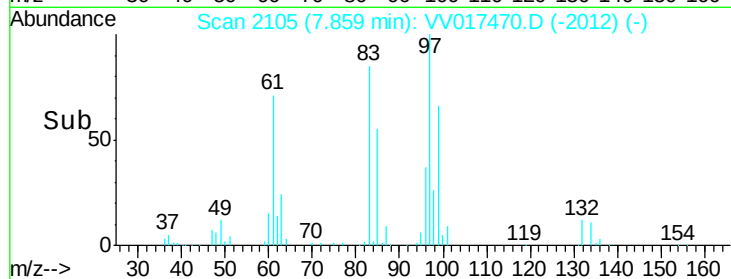
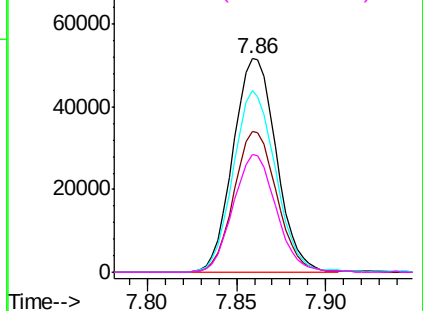
#45
 1,1,2-Trichloroethane
 Concen: 45.997 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	87498
Ion	Ratio	Lower	Upper
97	100		
99	65.7	44.6	82.8
83	85.0	60.1	111.7
85	55.2	39.0	72.4

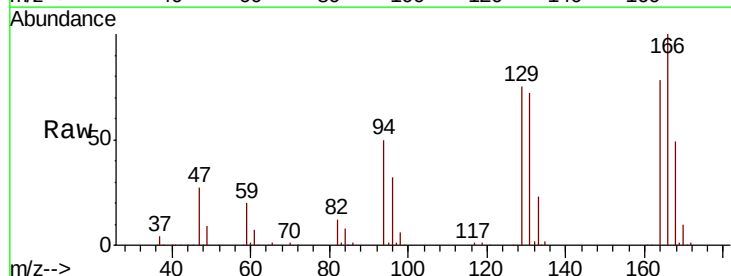


Abundance Ion 97.00 (96.70 to 97.70): VV017470.D (-2093) (-)
 Ion 99.00 (98.70 to 99.70): VV017470.D (-2093) (-)
 Ion 83.00 (82.70 to 83.70): VV017470.D (-2093) (-)
 Ion 85.00 (84.70 to 85.70): VV017470.D (-2093) (-)

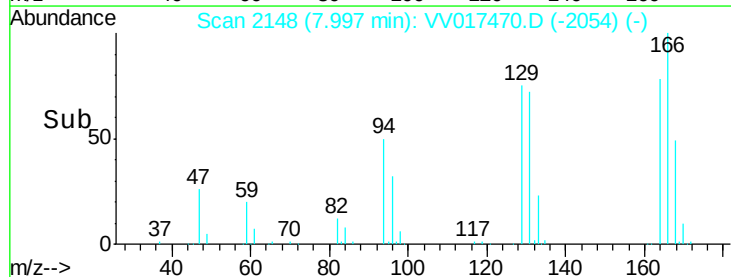
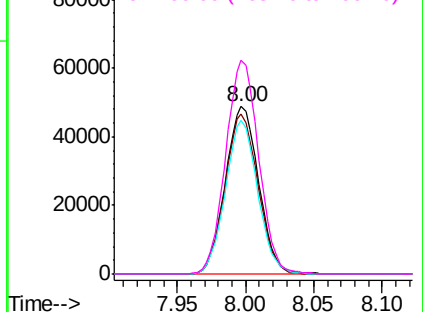


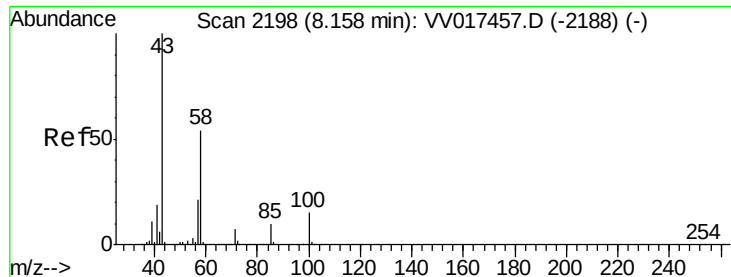
#46
 Tetrachloroethene
 Concen: 46.299 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

Tgt Ion:	164	Resp:	82735
Ion	Ratio	Lower	Upper
164	100		
129	95.7	66.6	123.8
131	91.8	65.5	121.7
166	127.8	93.9	174.5



Abundance Ion 164.00 (163.70 to 164.70): VV017470.D (-2135) (-)
 Ion 129.00 (128.70 to 129.70): VV017470.D (-2135) (-)
 Ion 131.00 (130.70 to 131.70): VV017470.D (-2135) (-)
 Ion 166.00 (165.70 to 166.70): VV017470.D (-2135) (-)

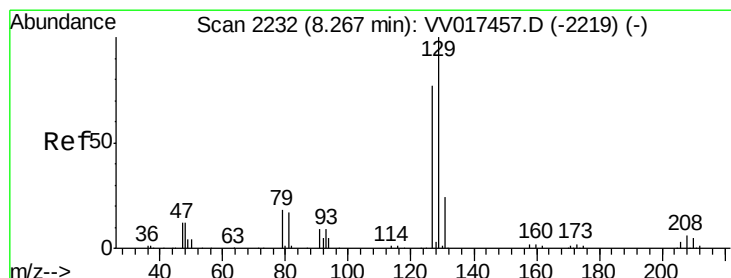
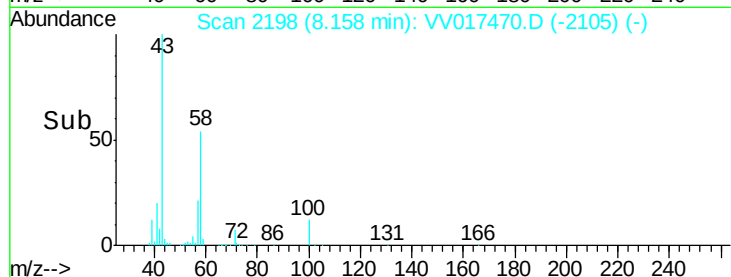
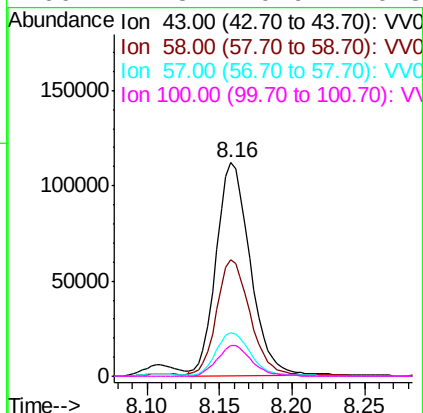
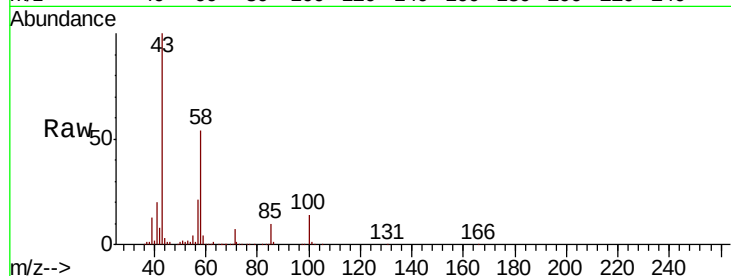




#48
2-Hexanone
Concen: 92.997 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV017470.D
Acq: 13 Jul 2020 15:16

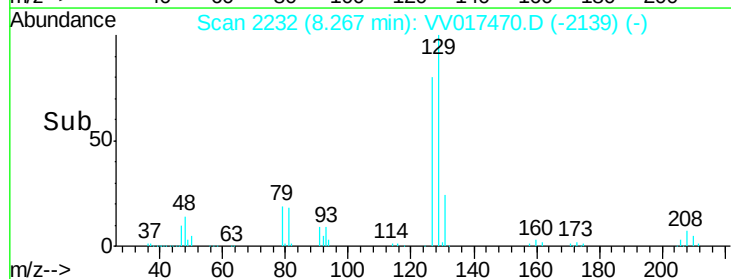
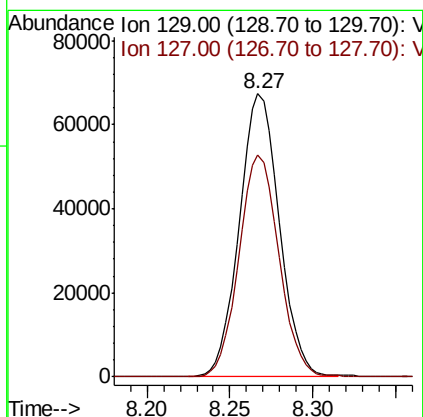
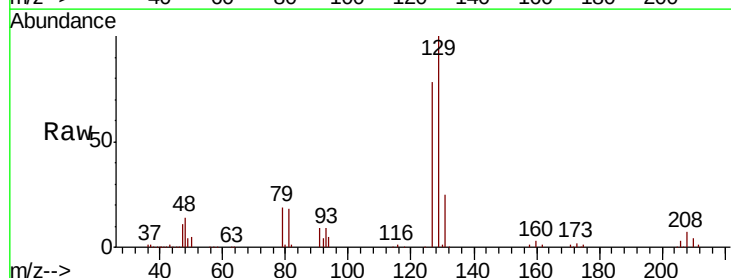
Instrument :
MSVOA_V
ClientSampleId :

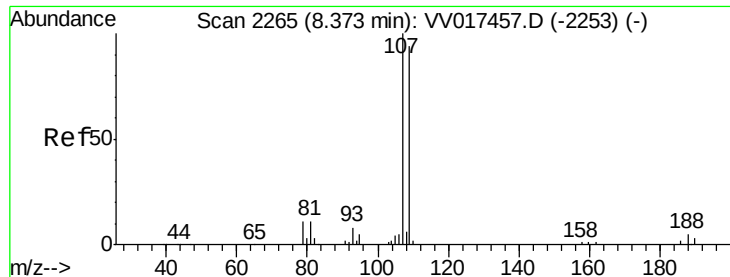
Tot Ion: 43 Resp: 182510
Ion Ratio Lower Upper
43 100
58 54.6 42.6 64.0
57 20.6 16.2 24.4
100 14.8 10.9 16.3



#49
Dibromochloromethane
Concen: 47.680 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017470.D
Acq: 13 Jul 2020 15:16

Tgt Ion: 129 Resp: 113146
Ion Ratio Lower Upper
129 100
127 78.2 54.6 101.4

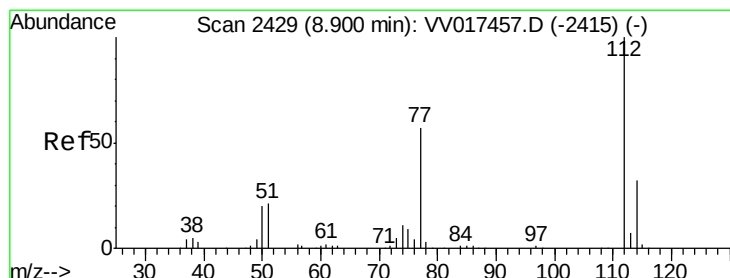
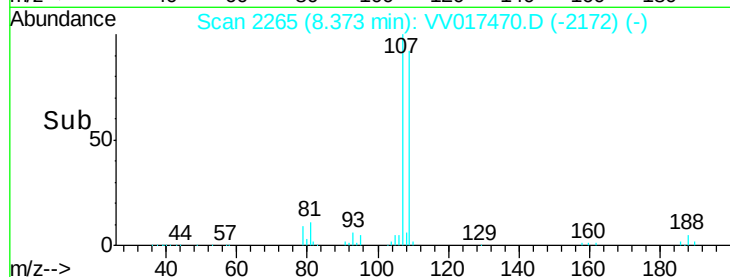
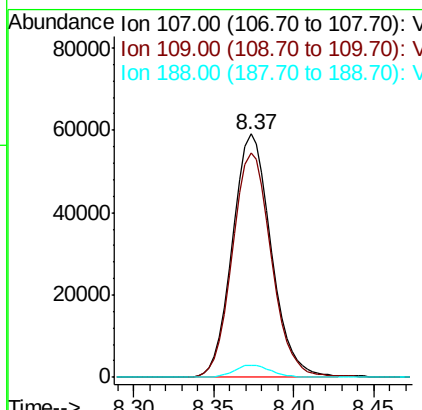
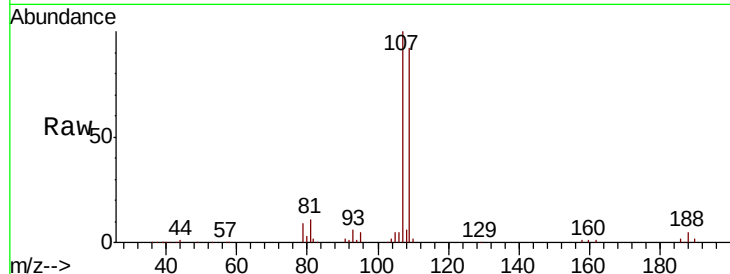




#50
1,2-Dibromoethane
Concen: 47.826 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017470.D
Acq: 13 Jul 2020 15:16

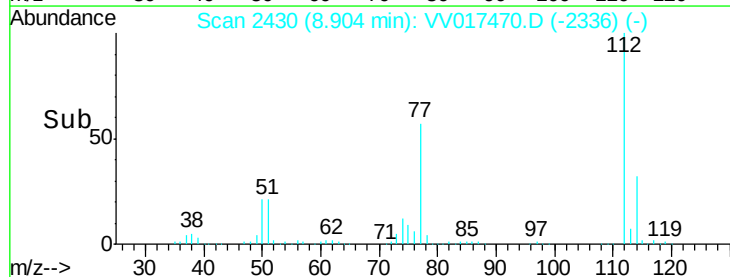
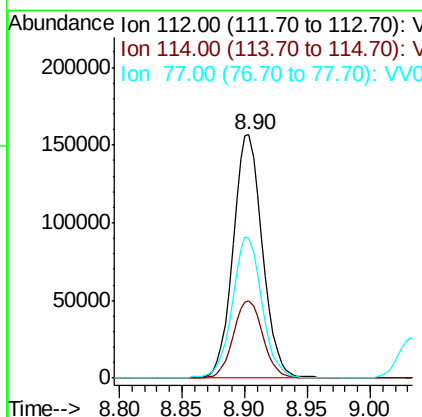
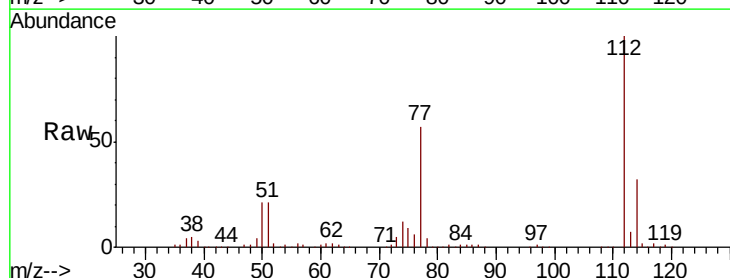
Instrument :
MSVOA_V
ClientSampleId :

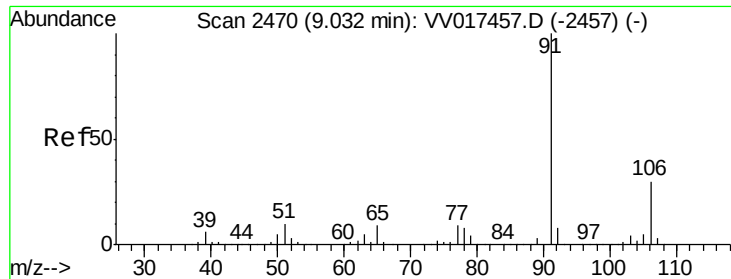
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	67.3	125.1
188	4.9	3.5	5.3



#51
Chlorobenzene
Concen: 46.881 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017470.D
Acq: 13 Jul 2020 15:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.7	42.1
77	57.4	46.7	70.1





#52

Ethylbenzene

Concen: 47.297 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

Instrument :

MSVOA_V

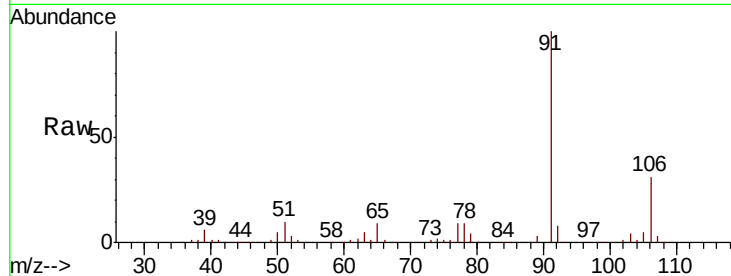
ClientSampled :

Tot Ion: 91 Resp: 433442

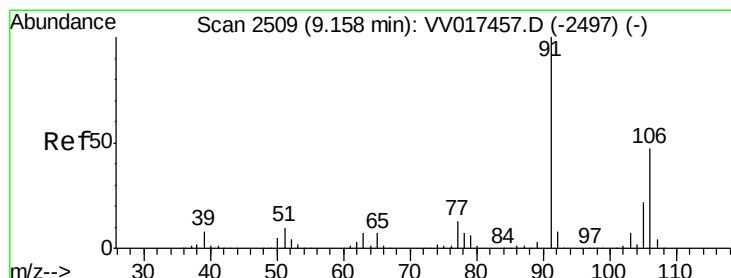
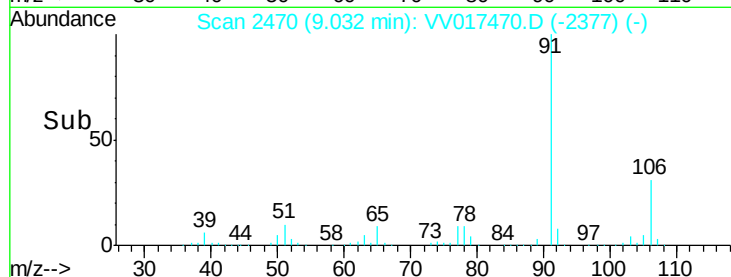
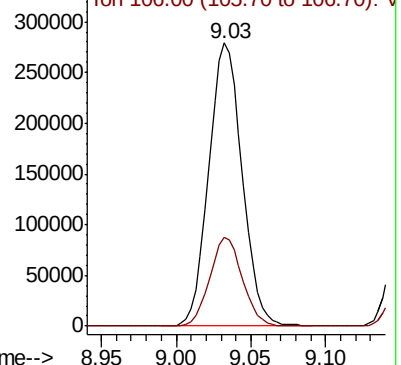
Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV017470.D (-2377) (-)



#53

m,p-Xylene

Concen: 47.657 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017470.D

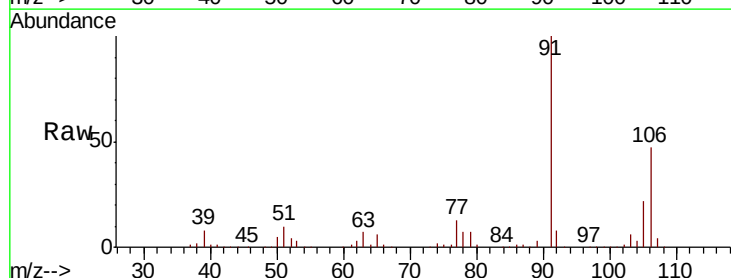
Acq: 13 Jul 2020 15:16

Tgt Ion: 106 Resp: 163507

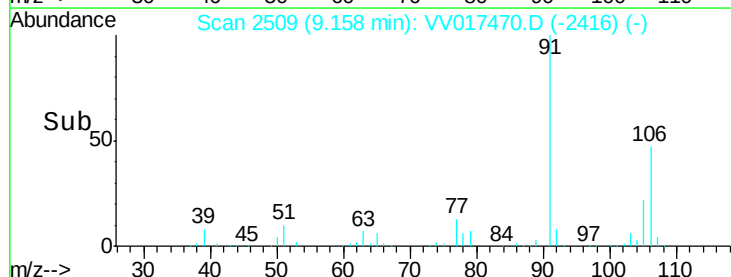
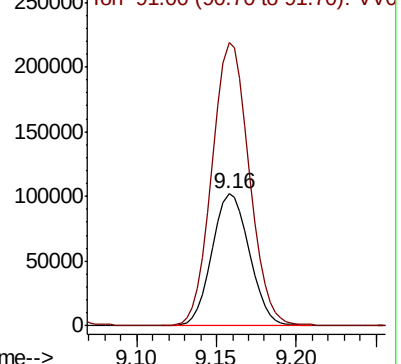
Ion Ratio Lower Upper

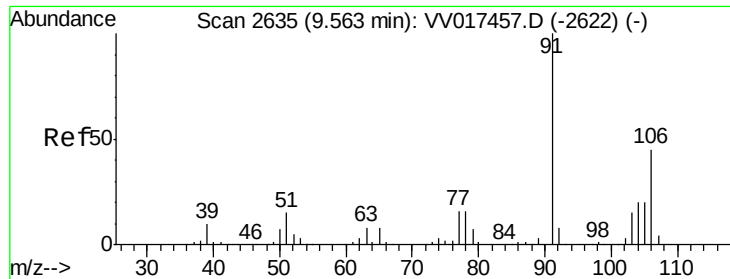
106 100

91 214.1 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): VV017470.D (-2416) (-)





#54

o-xylene

Concen: 49.413 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

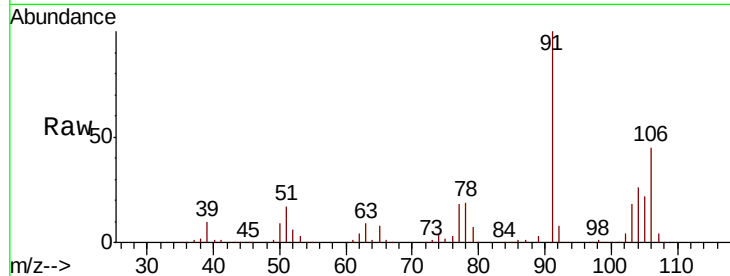
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 162840

Ion Ratio Lower Upper

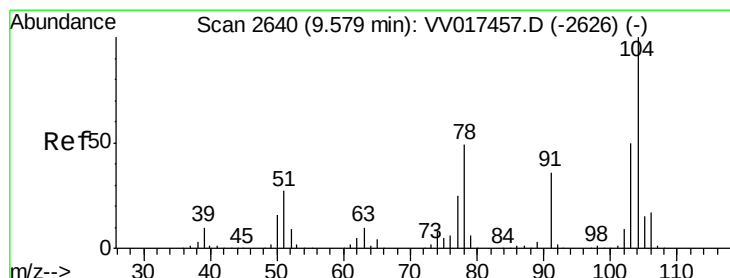
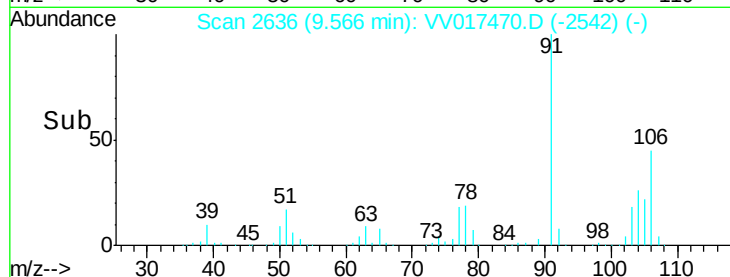
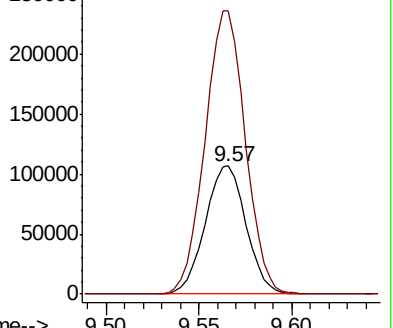
106 100

91 221.2 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.663 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017470.D

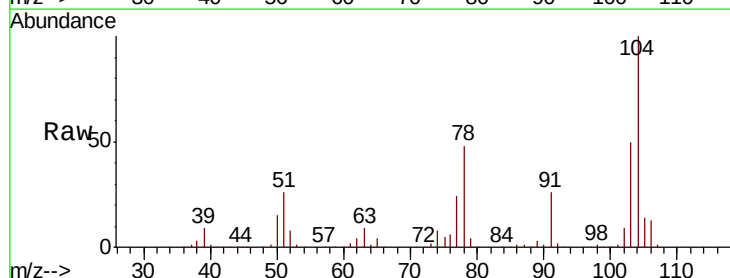
Acq: 13 Jul 2020 15:16

Tgt Ion:104 Resp: 278564

Ion Ratio Lower Upper

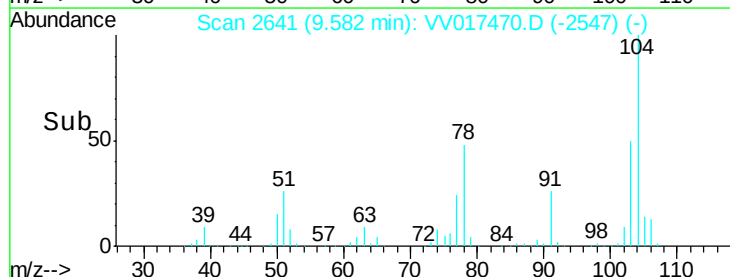
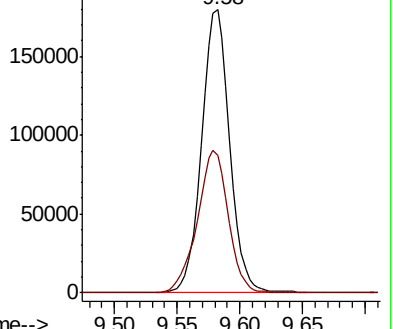
104 100

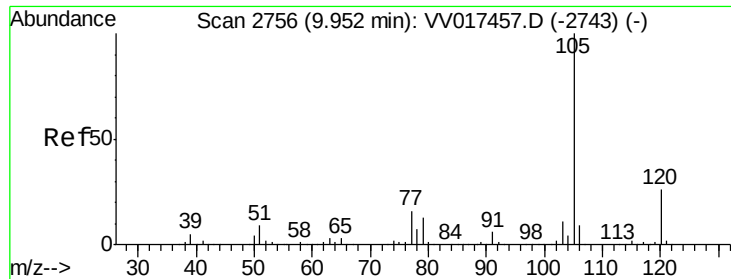
78 48.4 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.385 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

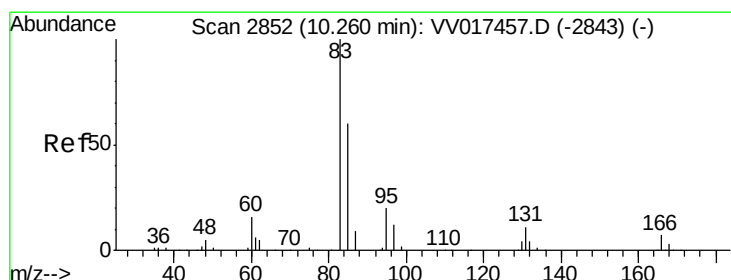
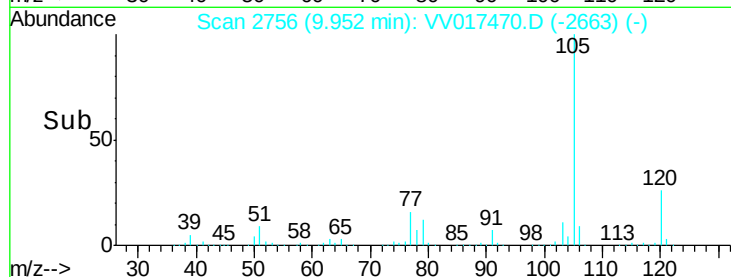
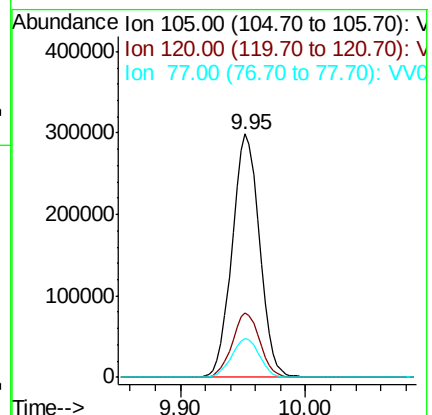
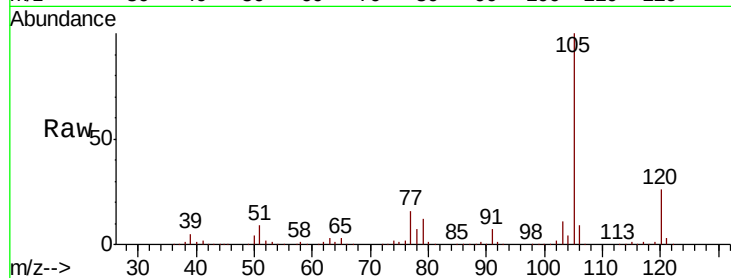
Tot Ion:105 Resp: 452773

Ion Ratio Lower Upper

105 100

120 26.6 21.1 31.7

77 16.1 13.0 19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 46.423 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

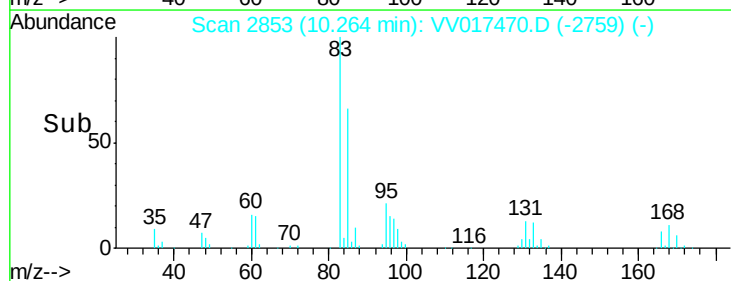
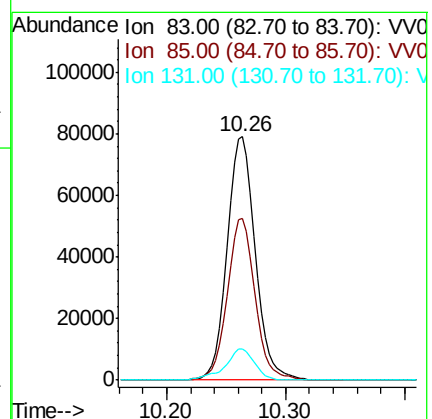
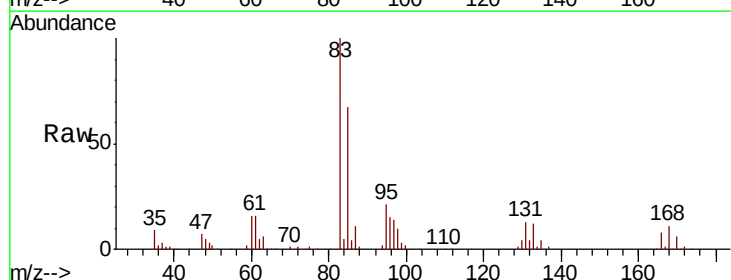
Tgt Ion: 83 Resp: 129683

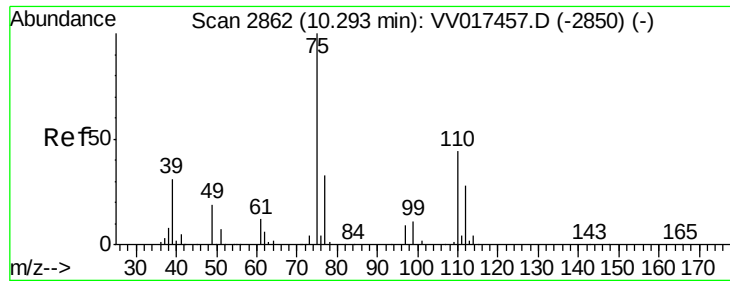
Ion Ratio Lower Upper

83 100

85 66.6 44.9 83.5

131 12.7 9.4 14.2

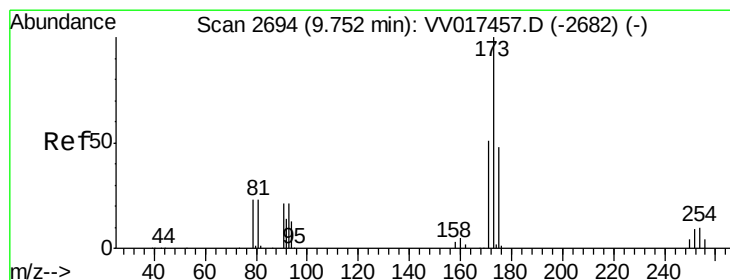
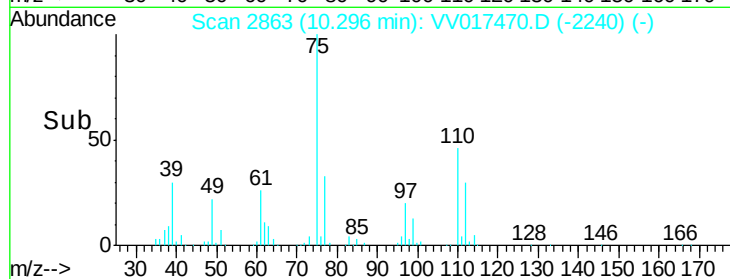
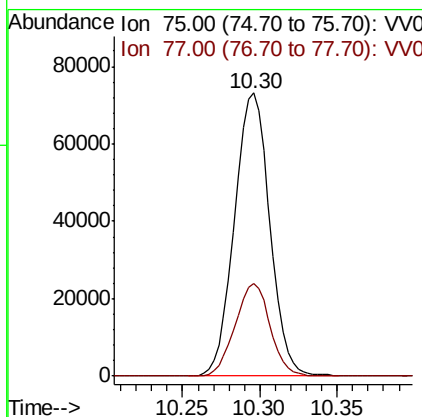
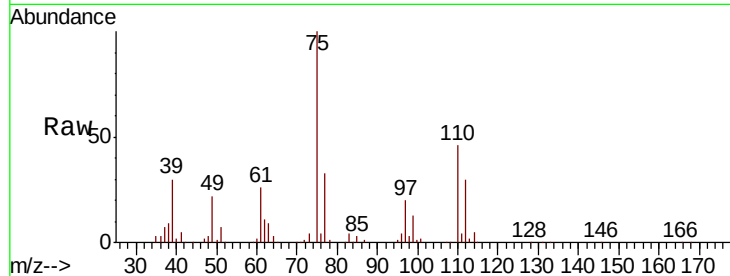




#59
 1,2,3-Trichloropropane
 Concen: 47.738 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

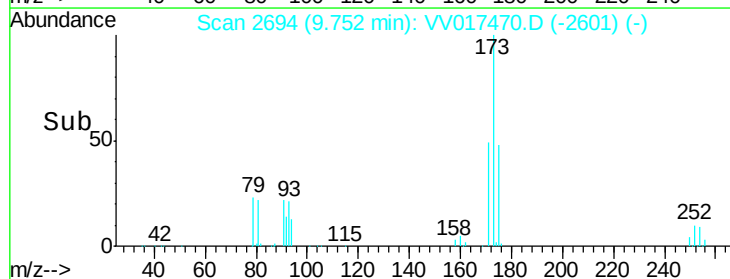
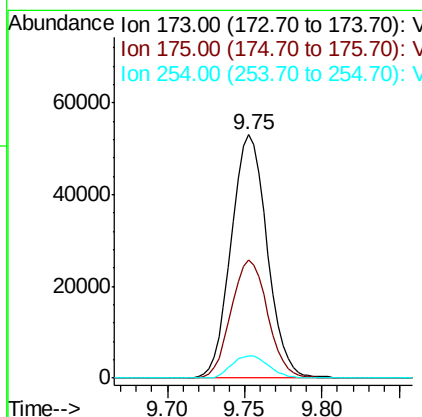
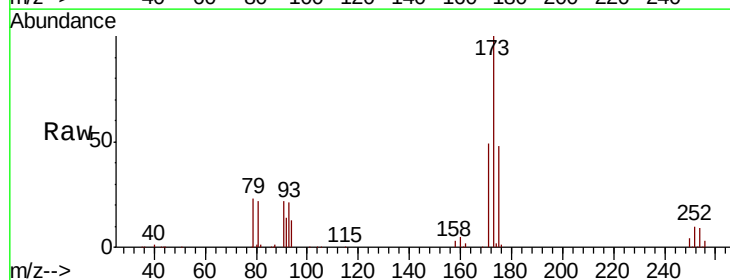
Instrument :
 MSVOA_V
 ClientSampled :

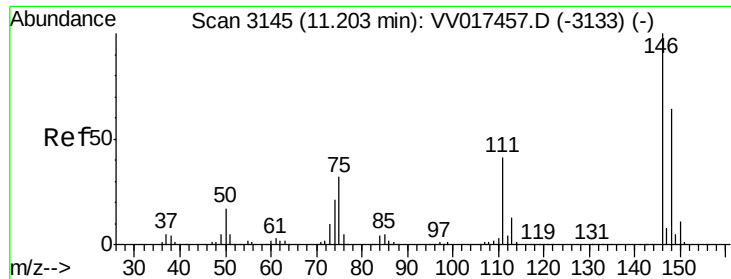
Tot Ion: 75 Resp: 115979
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.5 39.7



#61
 Bromoform
 Concen: 47.508 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

Tgt Ion: 173 Resp: 85835
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.1 57.1
 254 9.4 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 46.782 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

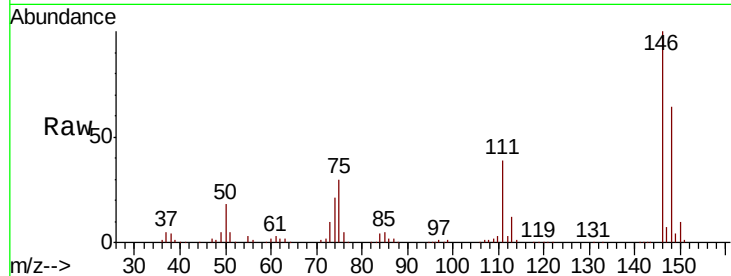
Tot Ion:146 Resp: 219268

Ion Ratio Lower Upper

146 100

111 39.3 27.2 50.6

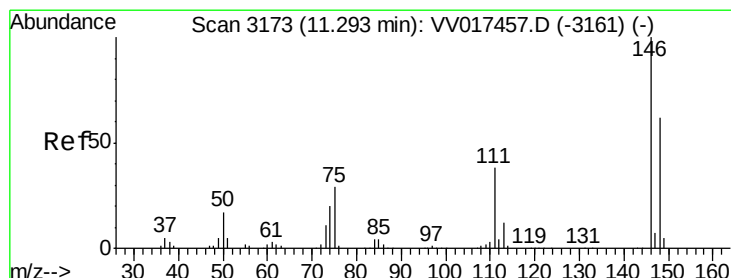
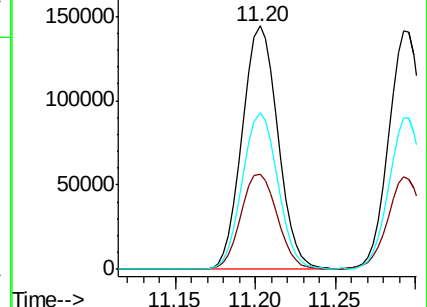
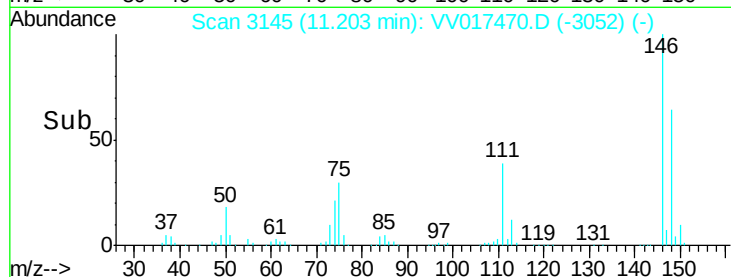
148 64.1 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 45.731 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

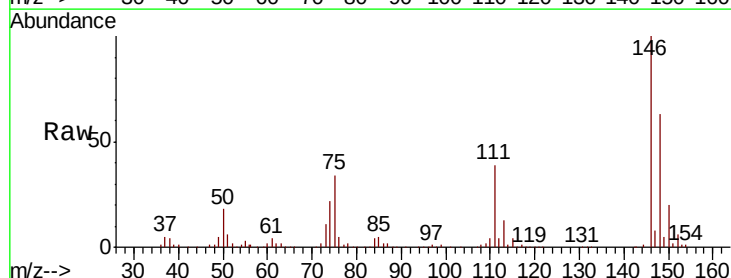
Tgt Ion:146 Resp: 217541

Ion Ratio Lower Upper

146 100

111 38.9 27.2 50.4

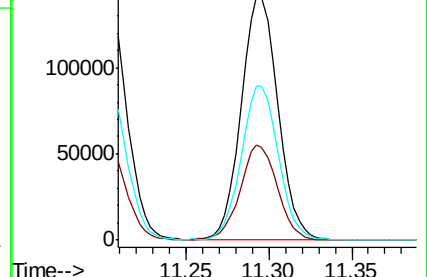
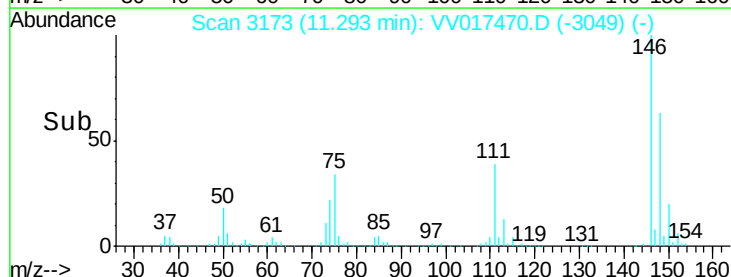
148 63.4 45.4 84.4

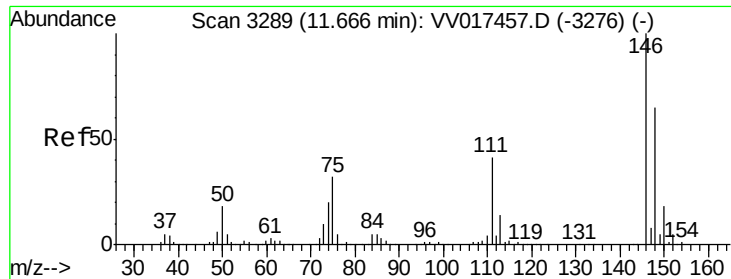


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

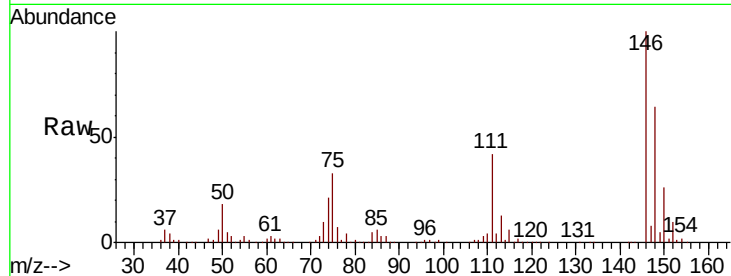




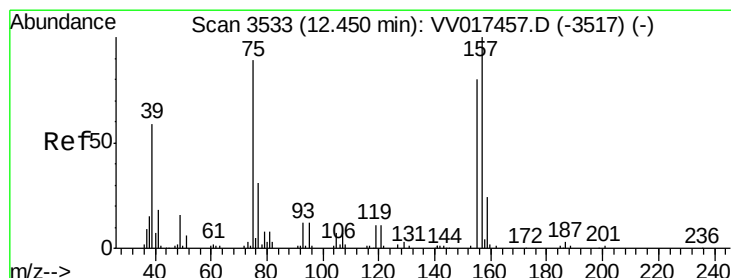
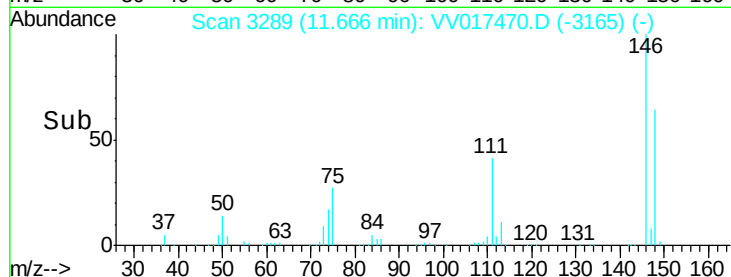
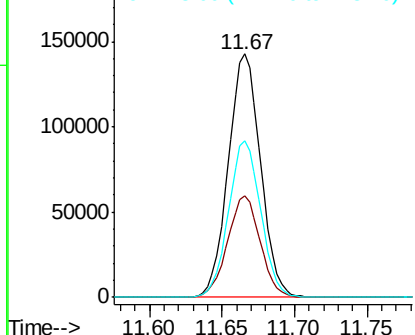
#65
 1,2-Dichlorobenzene
 Concen: 47.059 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 219872
 Ion Ratio Lower Upper
 146 100
 111 41.6 33.5 50.3
 148 64.1 50.6 76.0

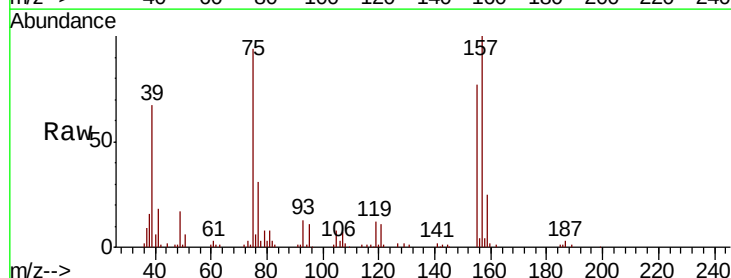


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

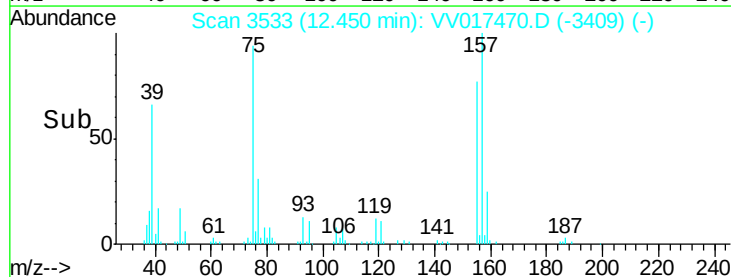
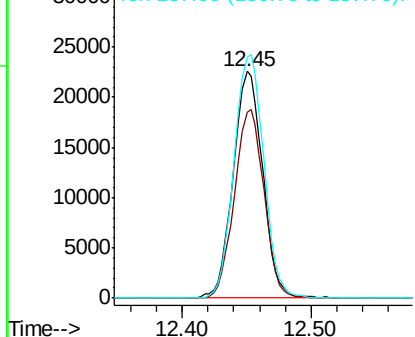


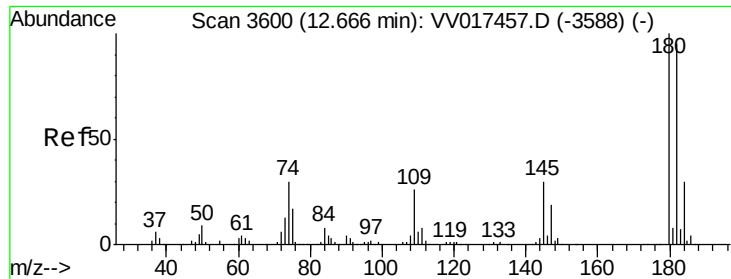
#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.326 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

Tgt Ion: 75 Resp: 35981
 Ion Ratio Lower Upper
 75 100
 155 81.9 63.4 95.2
 157 106.6 84.5 126.7



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

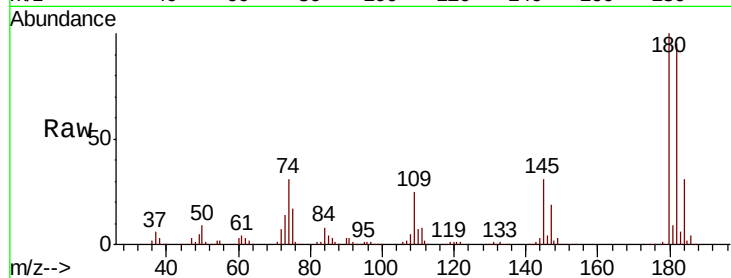




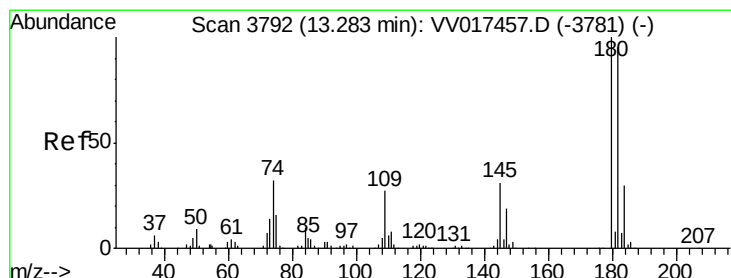
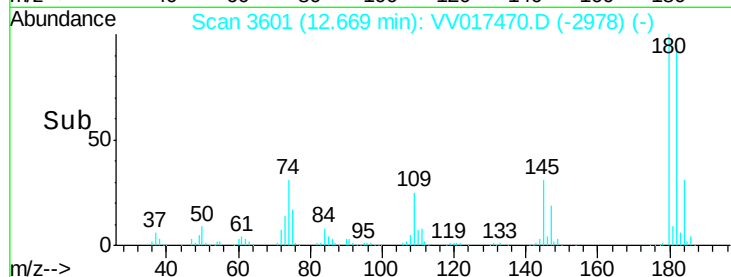
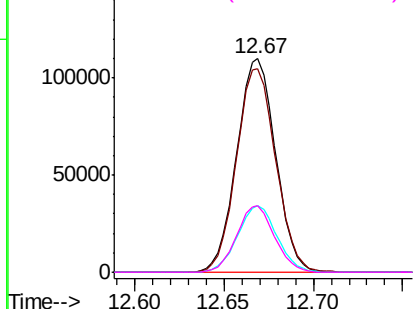
#67
 1,3,5-Trichlorobenzene
 Concen: 47.503 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 167717
 Ion Ratio Lower Upper
 180 100
 182 96.5 77.0 115.4
 184 31.3 24.0 36.0
 145 30.3 23.8 35.8

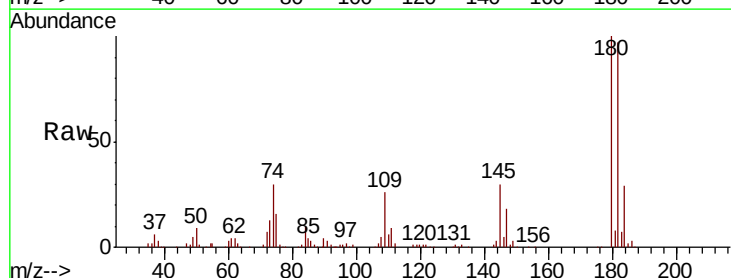


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

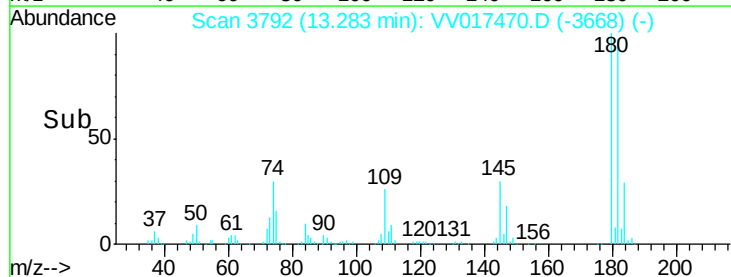
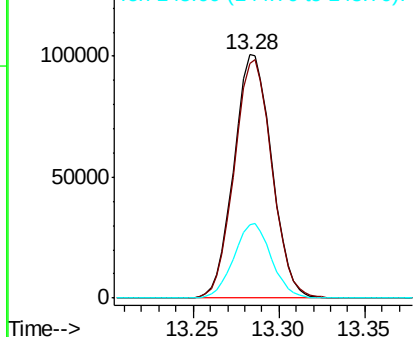


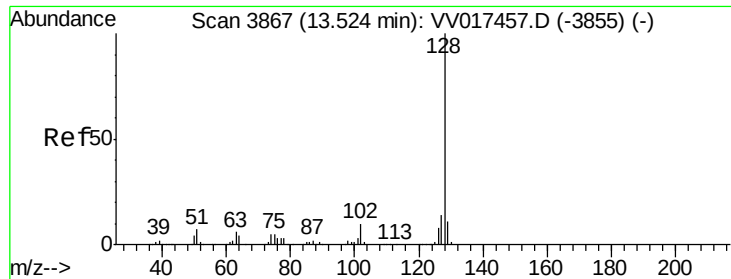
#68
 1,2,4-trichlorobenzene
 Concen: 49.762 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017470.D
 Acq: 13 Jul 2020 15:16

Tgt Ion:180 Resp: 154064
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.0 114.0
 145 30.2 24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.757 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

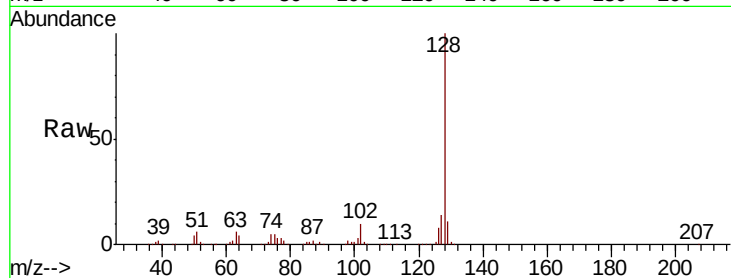
Tot Ion:128 Resp: 447496

Ion Ratio Lower Upper

128 100

127 13.8 10.7 16.1

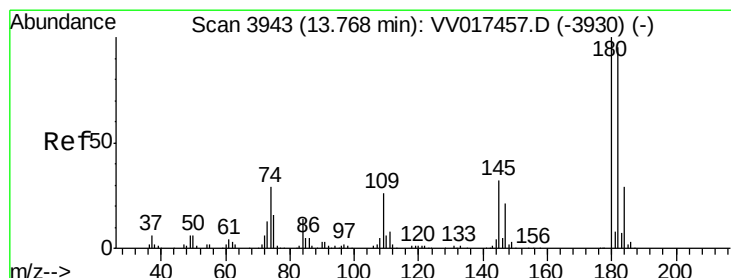
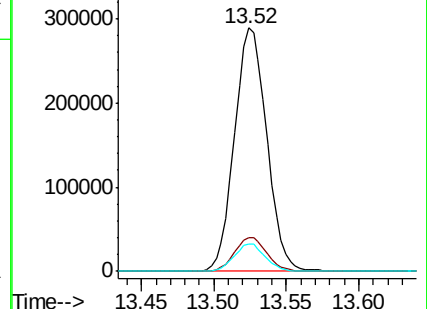
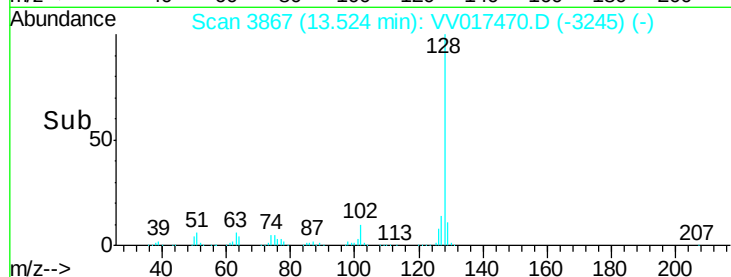
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.709 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017470.D

Acq: 13 Jul 2020 15:16

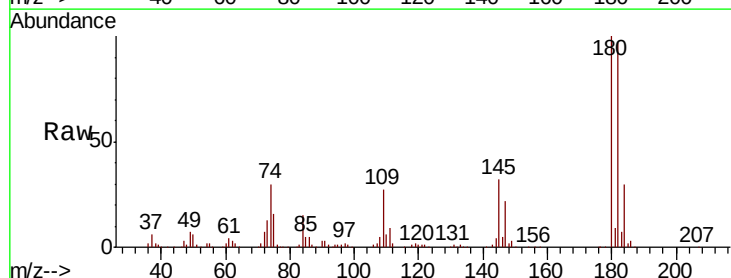
Tgt Ion:180 Resp: 156546

Ion Ratio Lower Upper

180 100

182 95.6 76.3 114.5

145 32.1 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

