

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
 Data File : VV017167.D
 Acq On : 26 Jun 2020 08:00
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 26 08:24:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 05:12:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	165549	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	162496	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	87658	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50946	5.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.60%
7) Chloroethane-d5	1.58	69	40653	5.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.60%
11) 1,1-Dichloroethene-d2	2.13	63	99946	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.80%
20) 2-Butanone-d5	3.95	46	118289	46.71	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.42%
24) Chloroform-d	4.38	84	115530	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.06	65	58421	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.07	84	206807	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.09	67	58741	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.34	98	196183	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
45) trans-1,3-Dichloropropene-	7.64	79	23556	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
48) 2-Hexanone-d5	8.11	63	90962	45.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.84%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41996	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	74418	4.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	67952	5.142	ug/L	99
3) Chloromethane	1.25	50	56386	5.035	ug/L	97
5) Vinyl chloride	1.32	62	52635	4.845	ug/L	96
6) Bromomethane	1.53	94	25796	4.074	ug/L	98
8) Chloroethane	1.60	64	32489	5.412	ug/L	99
9) Trichlorofluoromethane	1.77	101	98253	5.585	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	45737	5.216	ug/L	96
12) 1,1-Dichloroethene	2.14	96	42683	5.372	ug/L	92
13) Acetone	2.23	43	65766	51.376	ug/L	89
14) Carbon disulfide	2.31	76	120822	5.075	ug/L	99
15) Methyl Acetate	2.46	43	15791	5.046	ug/L #	88
16) Methylene chloride	2.52	84	44533	5.234	ug/L	98
17) Methyl tert-butyl Ether	2.79	73	103871	5.207	ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	45192	5.368	ug/L	96
19) 1,1-Dichloroethane	3.21	63	102603	5.424	ug/L	100
21) 2-Butanone	4.04	43	117922	48.869	ug/L	91
22) cis-1,2-Dichloroethene	3.94	96	56761	4.930	ug/L	97

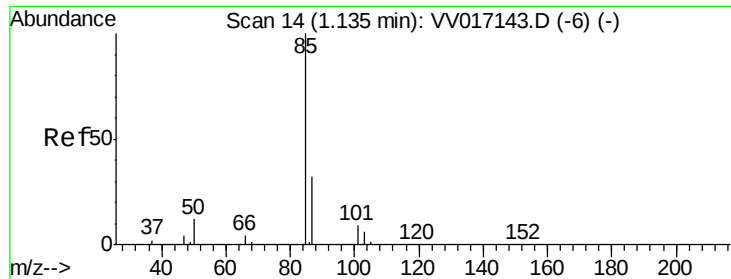
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
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 QLast Update : Fri Jun 26 05:12:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	25908	5.295	ug/L	96
25) Chloroform	4.40	83	110545	5.350	ug/L	99
27) 1,2-Dichloroethane	5.16	62	69876	5.443	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	103087	5.295	ug/L	99
30) Cyclohexane	4.70	56	84580	4.566	ug/L	98
31) Carbon tetrachloride	4.85	117	91861	5.229	ug/L	98
33) Benzene	5.13	78	221600	5.207	ug/L	100
34) Trichloroethene	5.94	95	60446	4.851	ug/L	99
35) Methylcyclohexane	6.15	83	87457	4.515	ug/L	98
37) 1,2-Dichloropropane	6.20	63	53300	5.060	ug/L	98
38) Bromodichloromethane	6.53	83	72242	5.049	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	72529	4.634	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	295026	48.506	ug/L	100
42) Toluene	7.41	91	242210	4.896	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	218461	4.938	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	231542	5.139	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	62125	4.589	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	37366	5.001	ug/L	96
49) Tetrachloroethene	8.00	164	51356	5.120	ug/L	99
50) 2-Hexanone	8.16	43	213486	49.322	ug/L	99
51) Dibromochloromethane	8.27	129	47552	5.250	ug/L	97
52) 1,2-Dibromoethane	8.38	107	35350	4.989	ug/L	92
53) Chlorobenzene	8.90	112	156298	5.068	ug/L	99
54) Ethylbenzene	9.03	91	266758	5.051	ug/L	98
55) m,p-xylene	9.16	106	101461	4.898	ug/L	94
56) o-xylene	9.56	106	96641	5.000	ug/L	98
57) Styrene	9.58	104	169685	5.298	ug/L	99
58) Isopropylbenzene	9.95	105	261162	4.910	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	43014	5.566	ug/L	100
62) Bromoform	9.75	173	25596	5.458	ug/L	97
63) 1,3-Dichlorobenzene	11.20	146	132817	5.033	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	131778	4.913	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	121320	5.066	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	7994	6.034	ug/L	91
68) 1,3,5-Trichlorobenzene	12.67	180	99298	4.683	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	81772	4.685	ug/L	97
70) Naphthalene	13.52	128	115986	4.706	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	72352	5.082	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.142 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Instrument :

MSVOA_V

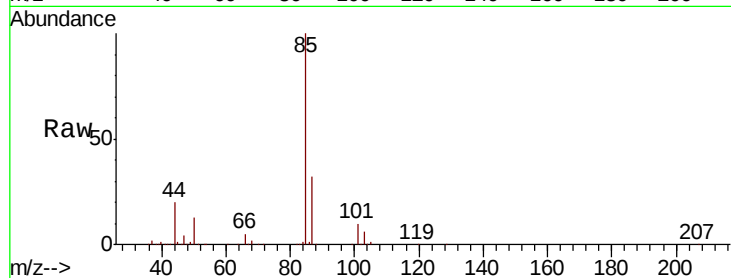
ClientSampled :

Tot Ion: 85 Resp: 67952

Ion Ratio Lower Upper

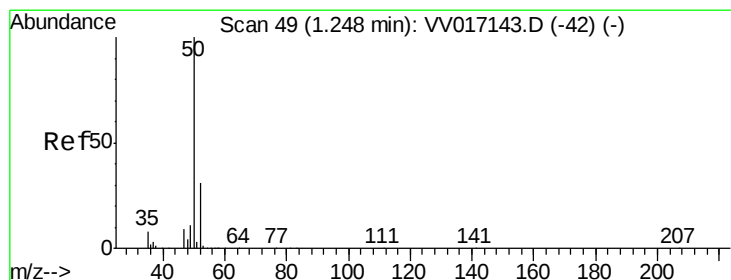
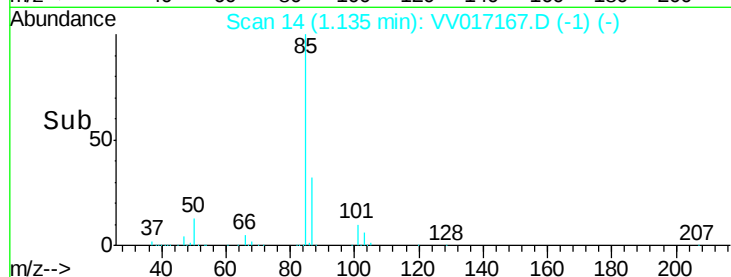
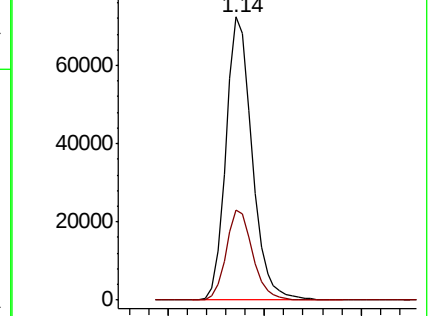
85 100

87 32.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.035 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017167.D

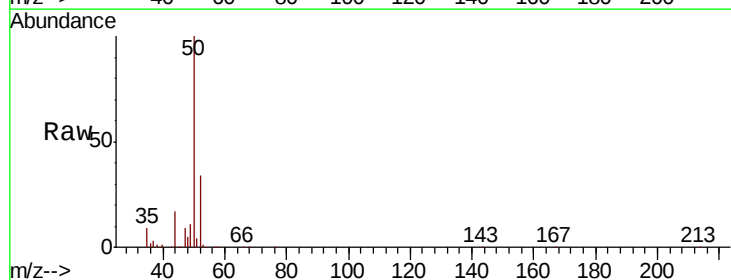
Acq: 26 Jun 2020 08:00

Tgt Ion: 50 Resp: 56386

Ion Ratio Lower Upper

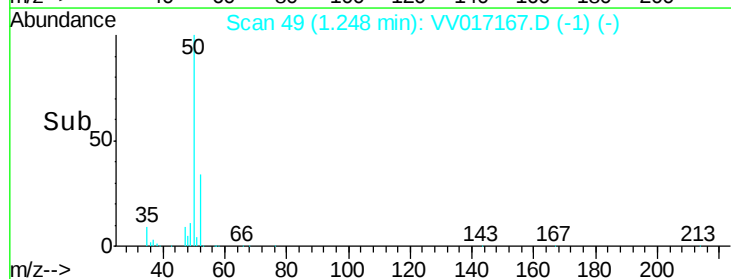
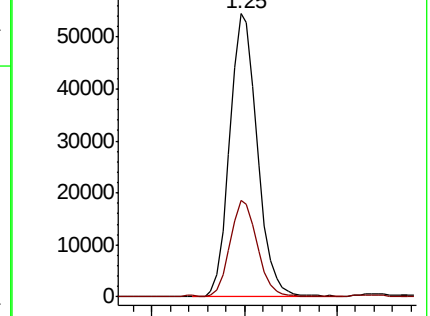
50 100

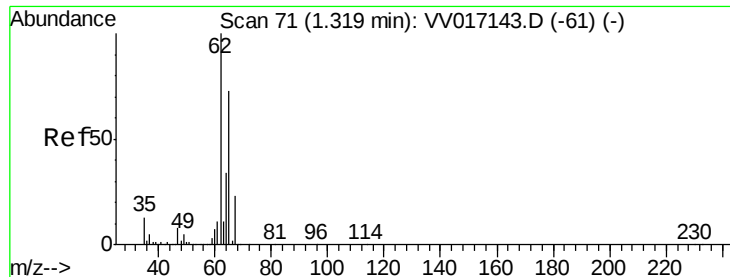
52 33.9 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.845 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Instrument :

MSVOA_V

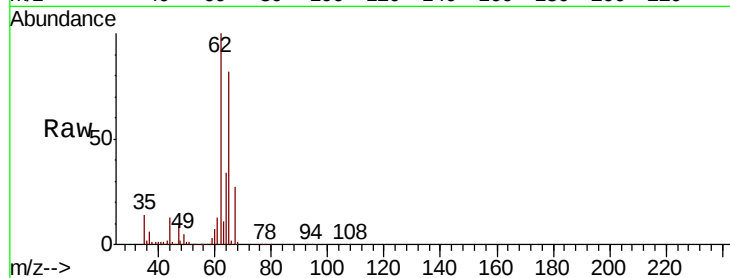
ClientSampleId :

Tot Ion: 62 Resp: 52635

Ion Ratio Lower Upper

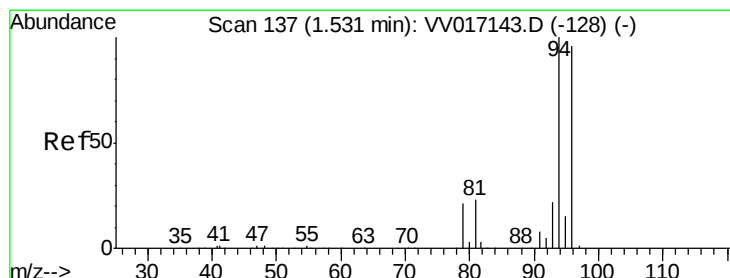
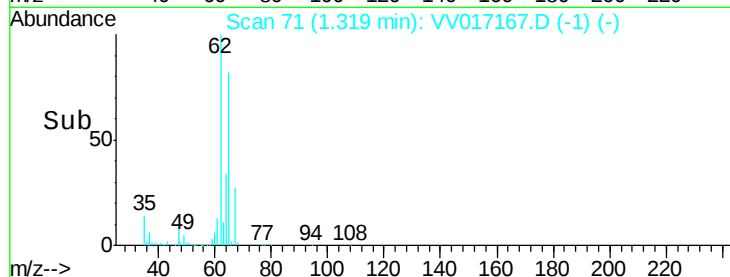
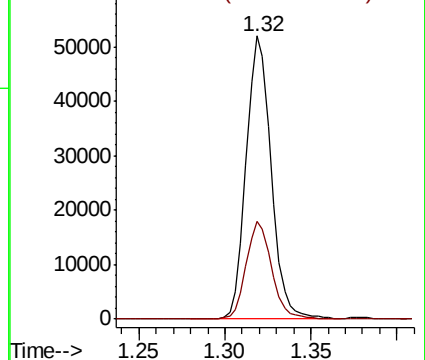
62 100

64 34.3 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.074 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017167.D

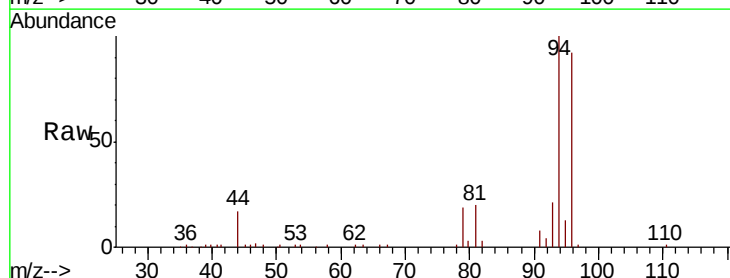
Acq: 26 Jun 2020 08:00

Tgt Ion: 94 Resp: 25796

Ion Ratio Lower Upper

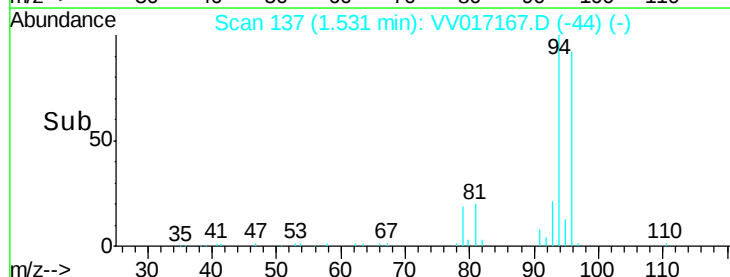
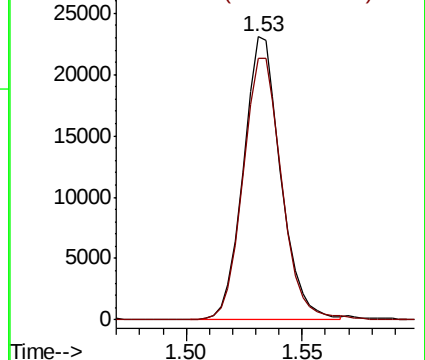
94 100

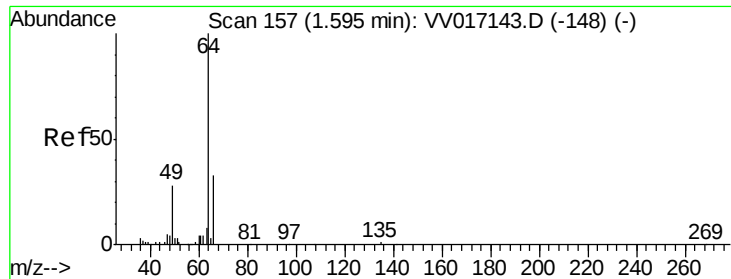
96 92.2 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

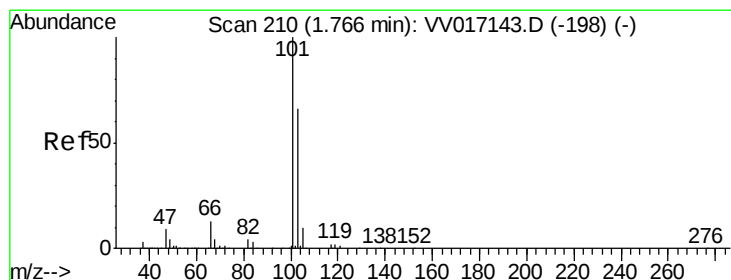
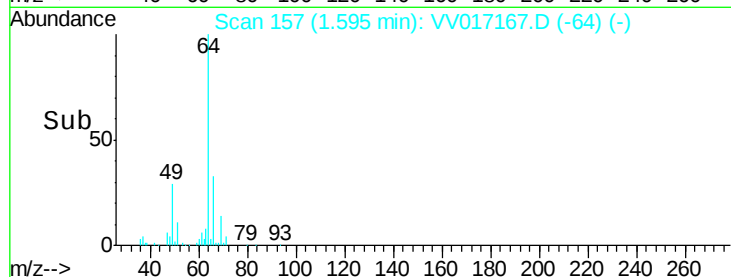
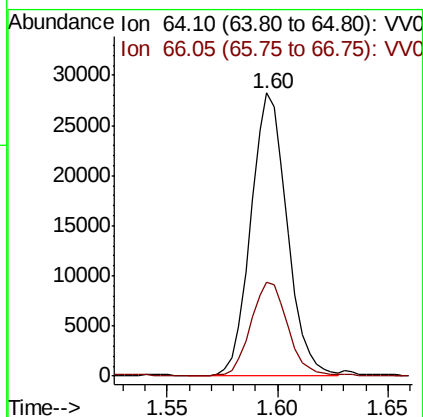
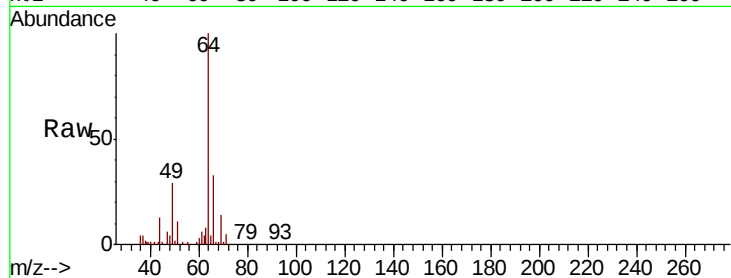




#8
Chloroethane
Concen: 5.412 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

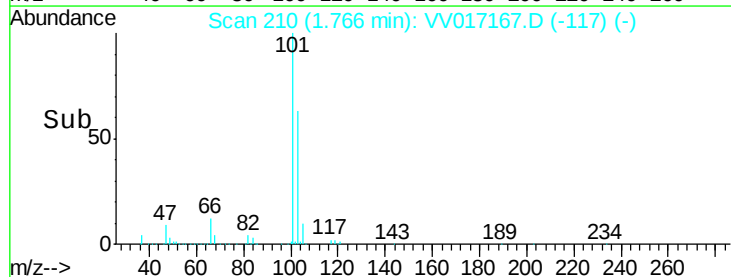
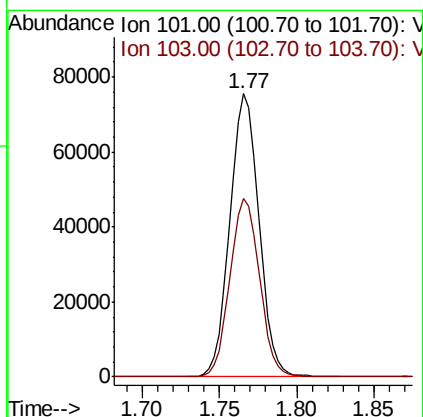
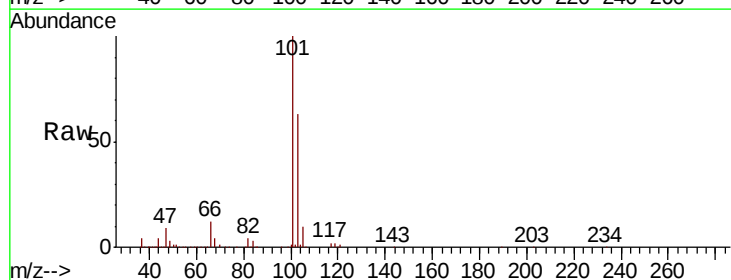
Instrument :
MSVOA_V
ClientSampleId :

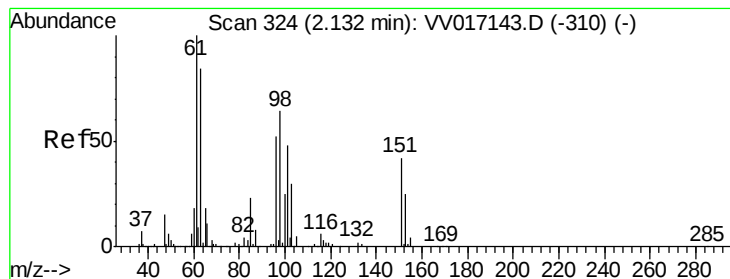
Tot Ion: 64 Resp: 32489
Ion Ratio Lower Upper
64 100
66 33.0 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.585 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

Tgt Ion: 101 Resp: 98253
Ion Ratio Lower Upper
101 100
103 63.9 50.9 76.3





#10

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

Concen: 5.216 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Instrument :

MSVOA_V

ClientSampled :

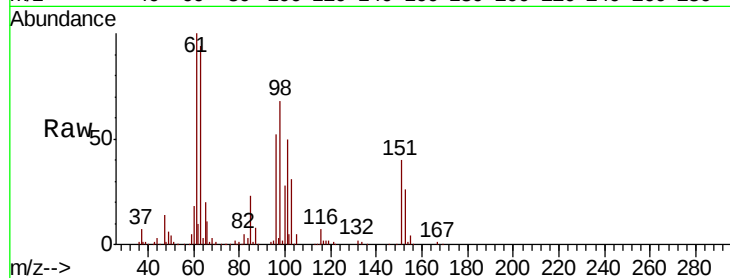
Tot Ion:101 Resp: 45737

Ion Ratio Lower Upper

101 100

85 46.0 35.4 53.2

151 84.0 63.9 95.9

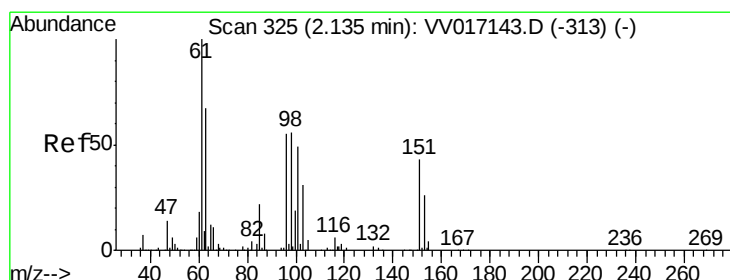
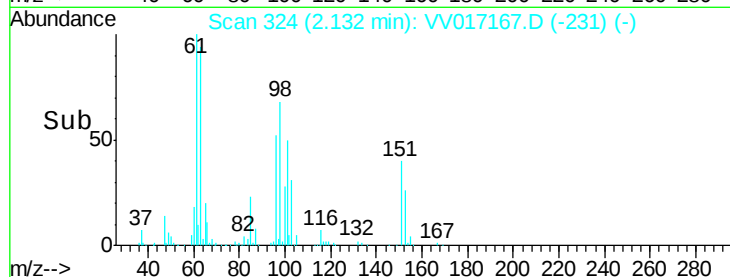


Abundance Ion 101.00 (100.70 to 101.70): VV017167.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV017167.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV017167.D (-231) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 5.372 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

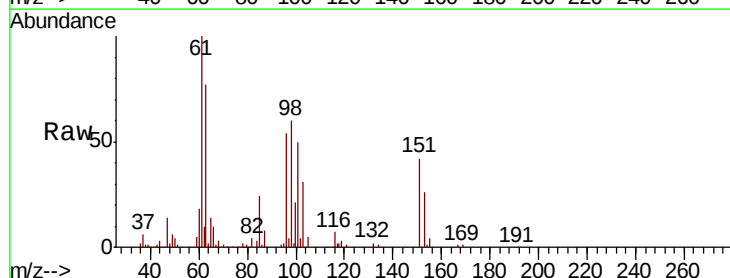
Tgt Ion: 96 Resp: 42683

Ion Ratio Lower Upper

96 100

61 186.7 125.0 232.2

63 143.2 109.8 203.8

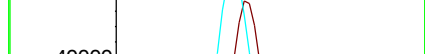
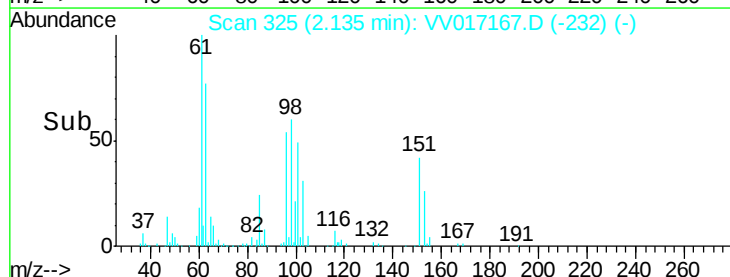


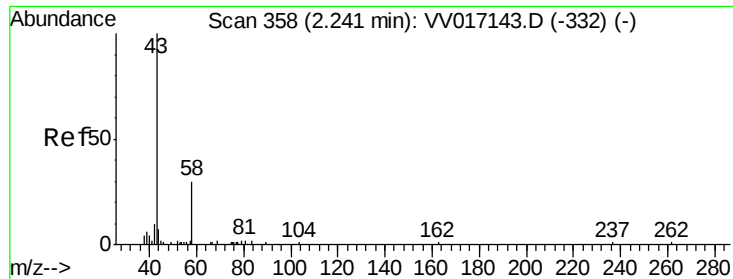
Abundance Ion 96.00 (95.70 to 96.70): VV017167.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV017167.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV017167.D (-232) (-)

Time-->





#13

Acetone

Concen: 51.376 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.01 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

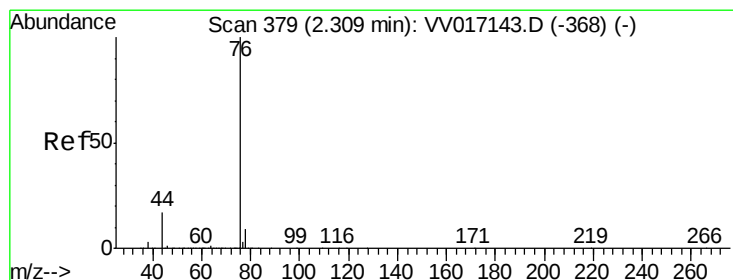
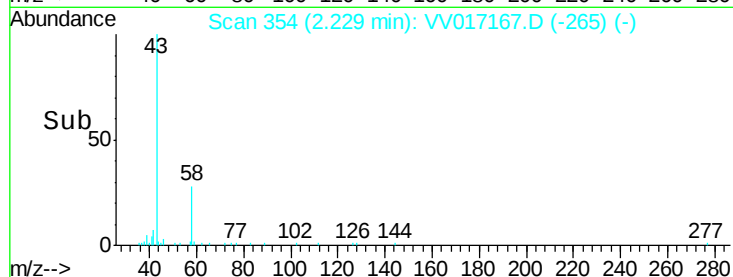
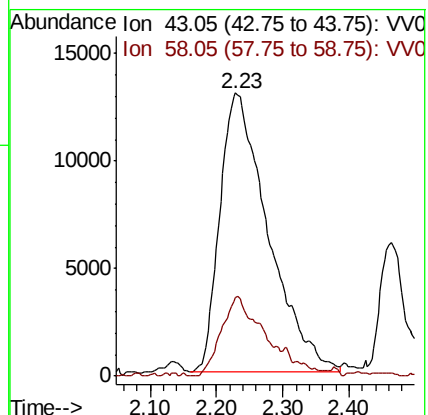
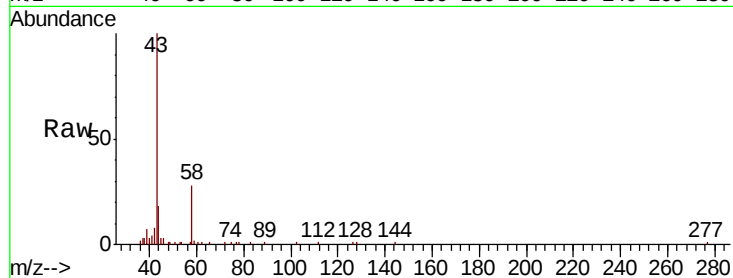
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 65766

Ion Ratio Lower Upper

43 100

58 23.6 0.0 58.4



#14

Carbon disulfide

Concen: 5.075 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017167.D

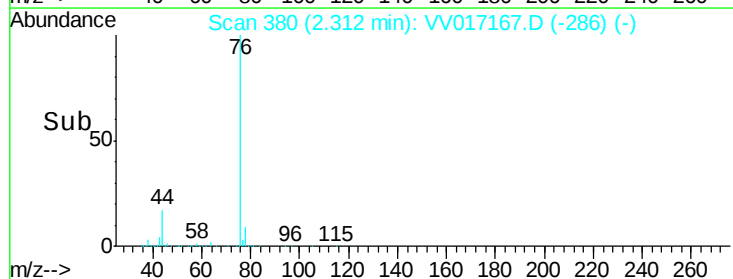
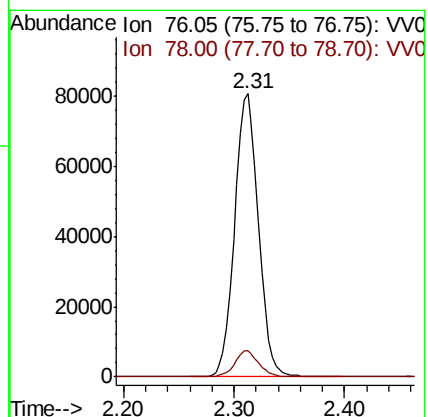
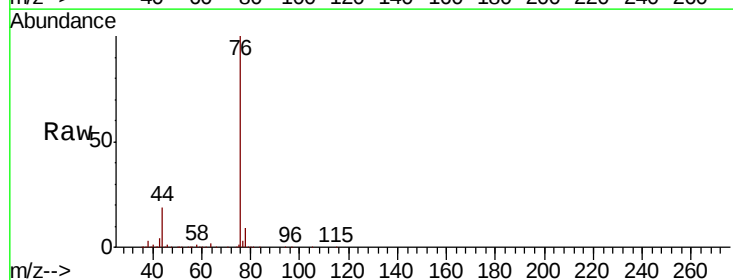
Acq: 26 Jun 2020 08:00

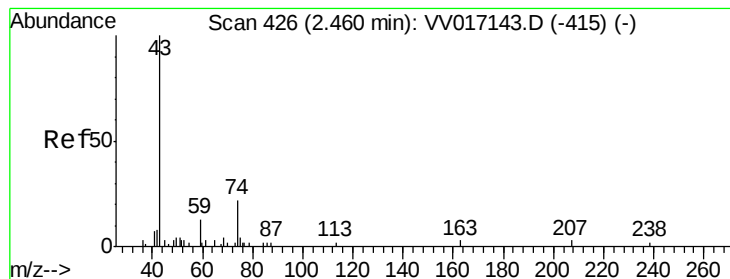
Tgt Ion: 76 Resp: 120822

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5





#15

Methvl Acetate

Concen: 5.046 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Instrument :

MSVOA_V

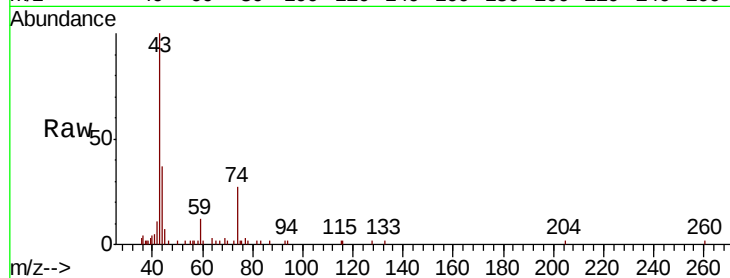
ClientSampleId :

Tot Ion: 43 Resp: 15791

Ion Ratio Lower Upper

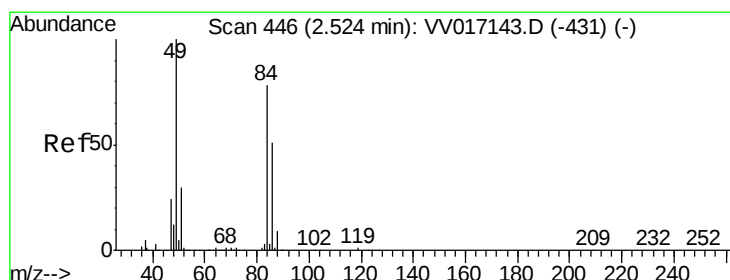
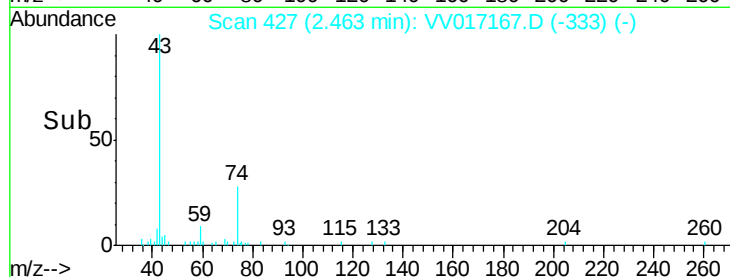
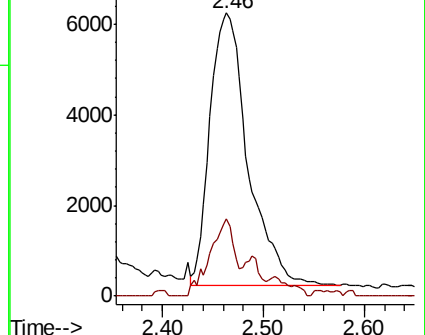
43 100

74 18.0 19.1 28.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.234 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

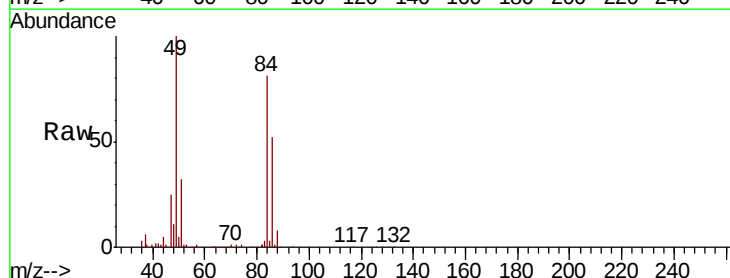
Tgt Ion: 84 Resp: 44533

Ion Ratio Lower Upper

84 100

86 65.0 45.8 85.0

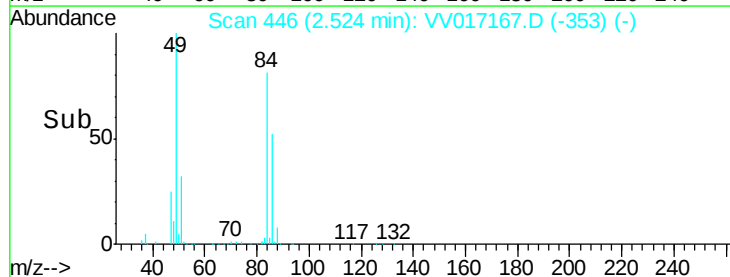
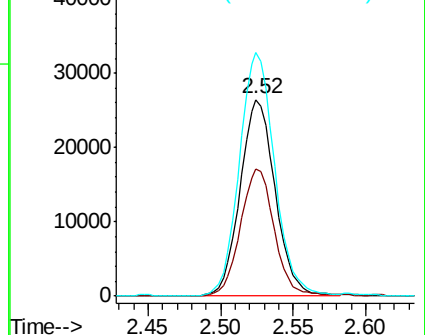
49 124.0 89.6 166.4

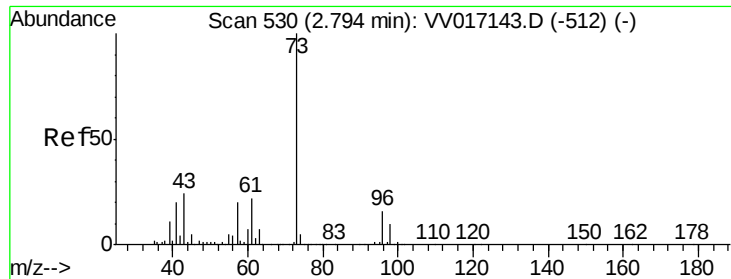


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

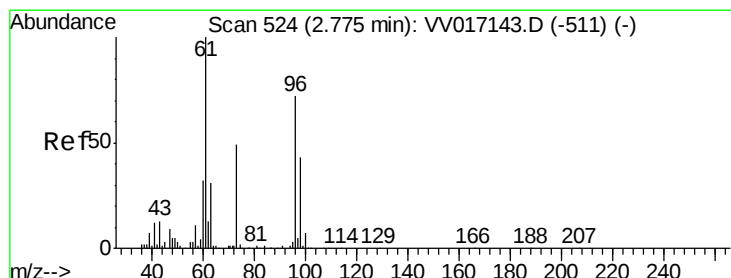
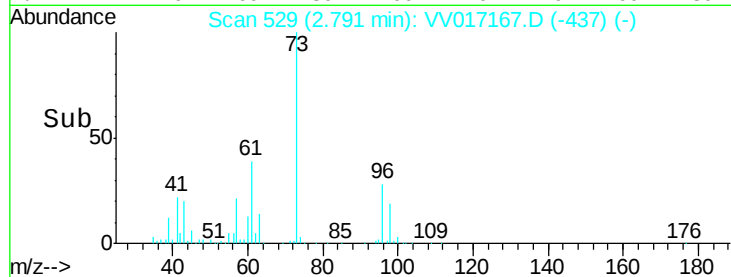
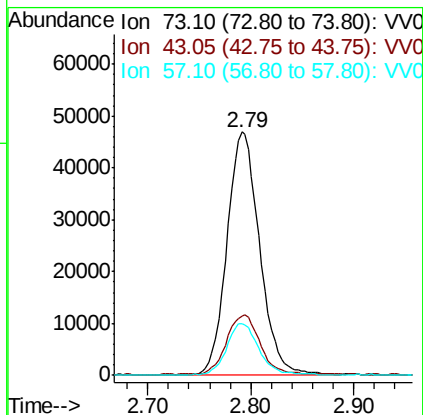
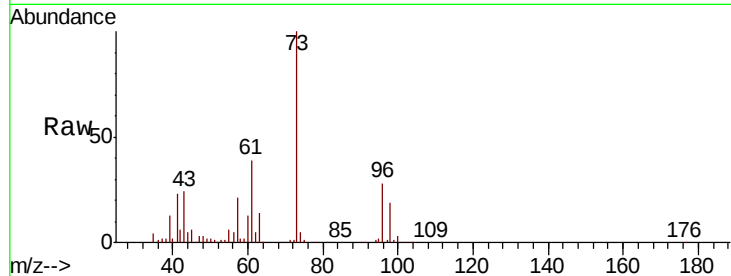




#17
Methvl tert-butvl Ether
Concen: 5.207 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

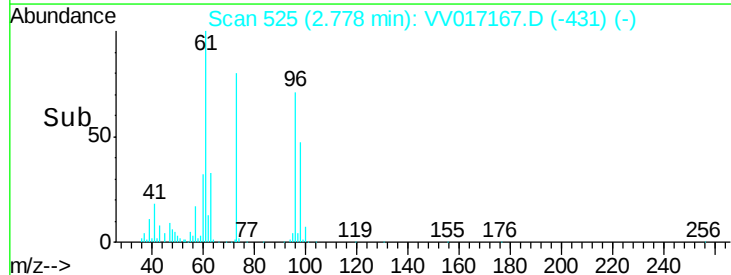
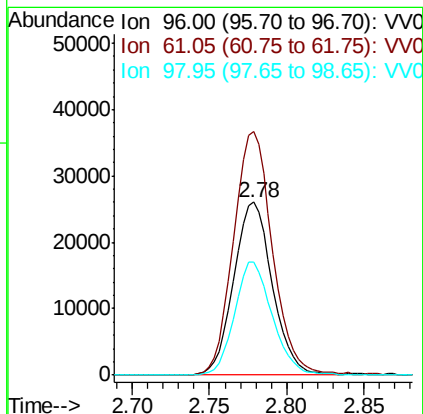
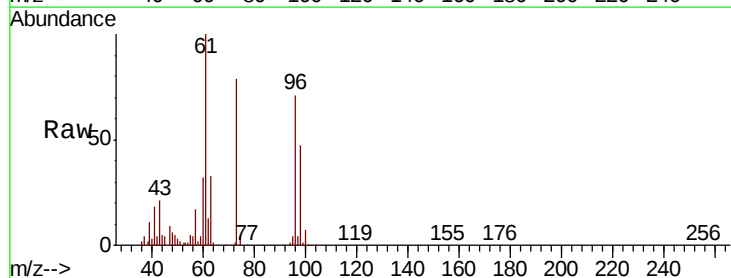
Instrument :
MSVOA_V
ClientSampleId :

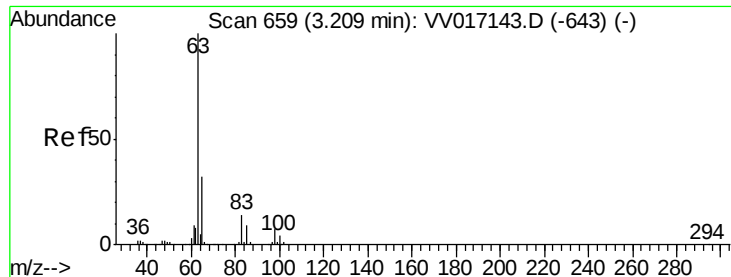
Tot Ion: 73 Resp: 103871
Ion Ratio Lower Upper
73 100
43 24.9 18.6 28.0
57 21.4 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 5.368 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

Tgt Ion: 96 Resp: 45192
Ion Ratio Lower Upper
96 100
61 141.1 102.3 189.9
98 65.7 44.7 82.9

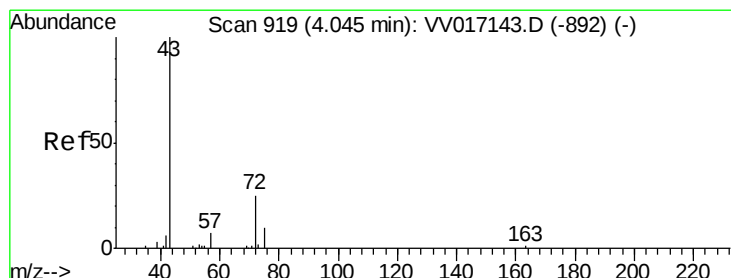
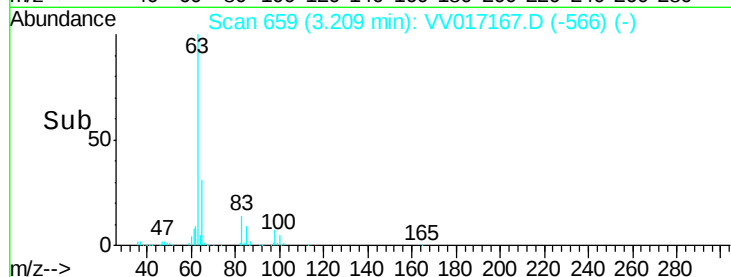
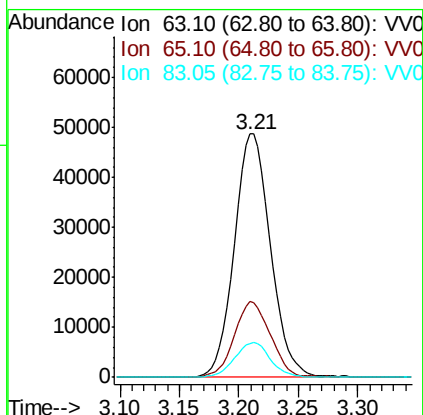
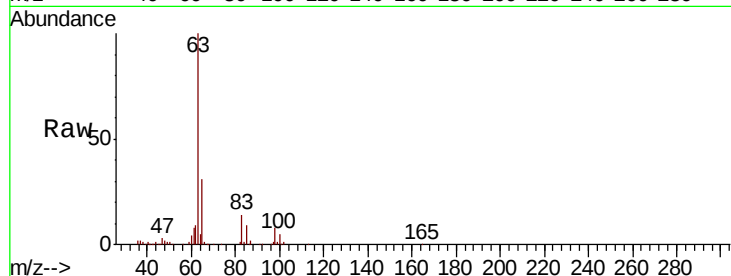




#19
 1,1-Dichloroethane
 Concen: 5.424 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017167.D
 Acq: 26 Jun 2020 08:00

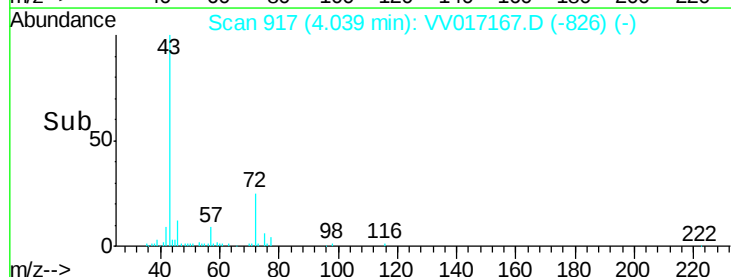
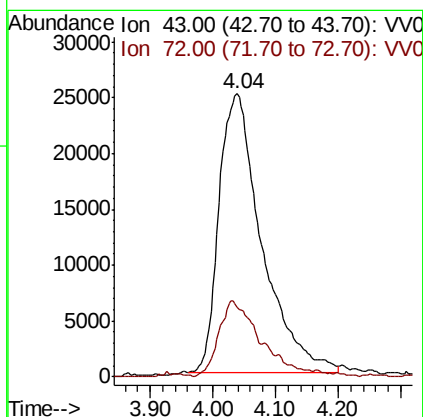
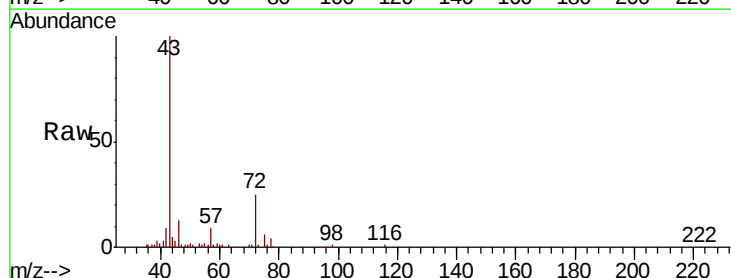
Instrument :
 MSVOA_V
 ClientSampleId :

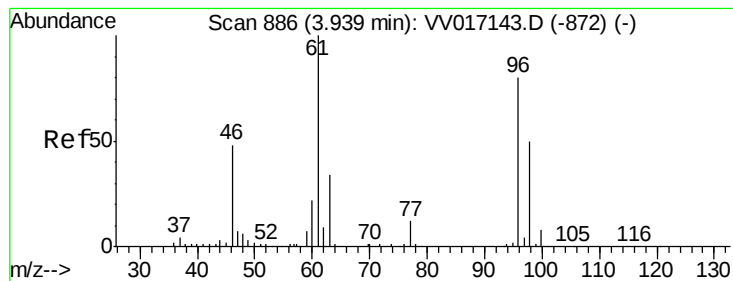
Tot Ion: 63 Resp: 102603
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.8 40.4
 83 14.1 9.7 17.9



#21
 2-Butanone
 Concen: 48.869 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VV017167.D
 Acq: 26 Jun 2020 08:00

Tgt Ion: 43 Resp: 117922
 Ion Ratio Lower Upper
 43 100
 72 20.5 12.4 37.4



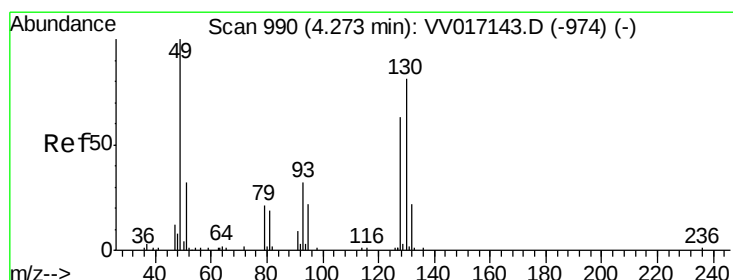
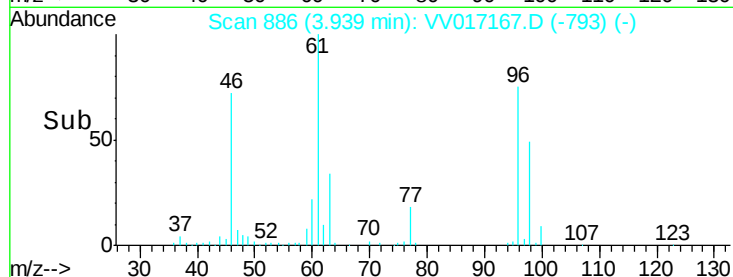
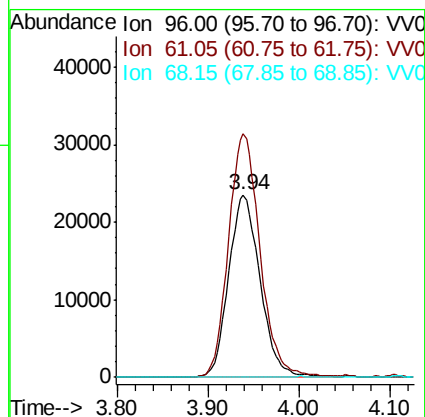
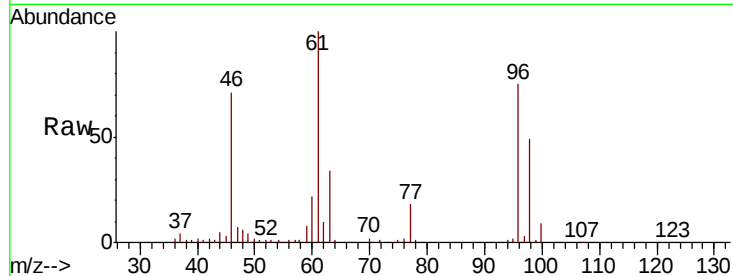


#22

cis-1,2-Dichloroethene
Concen: 4.930 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

Instrument :
MSVOA_V
ClientSampleId :

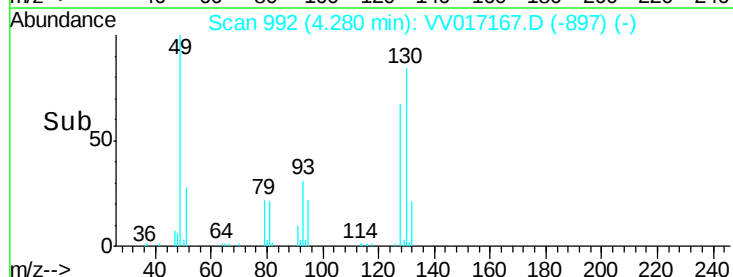
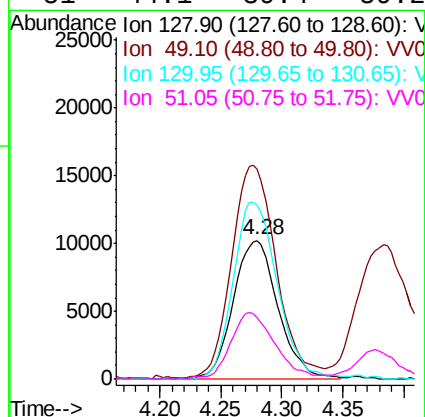
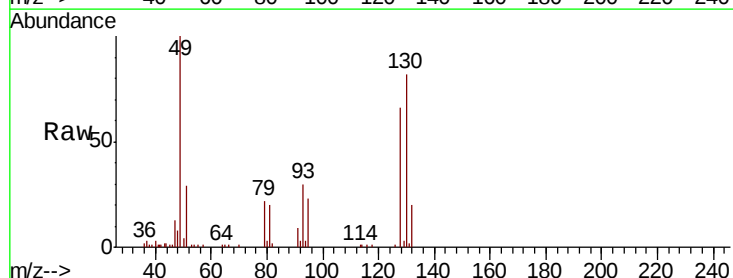
Tot Ion: 96 Resp: 56761
Ion Ratio Lower Upper
96 100
61 133.4 91.0 169.0
68 0.0 0.0 0.0

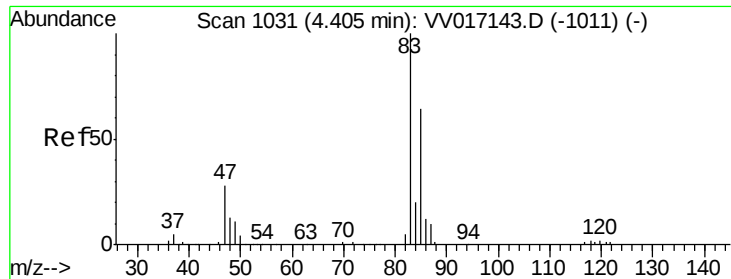


#23

Bromochloromethane
Concen: 5.295 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.01 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

Tgt Ion: 128 Resp: 25908
Ion Ratio Lower Upper
128 100
49 152.1 110.8 205.8
130 125.4 86.0 159.8
51 44.1 39.4 59.2

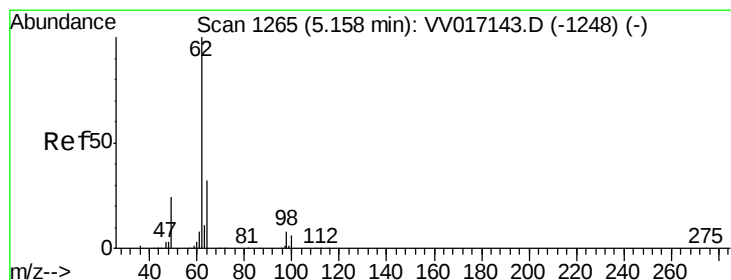
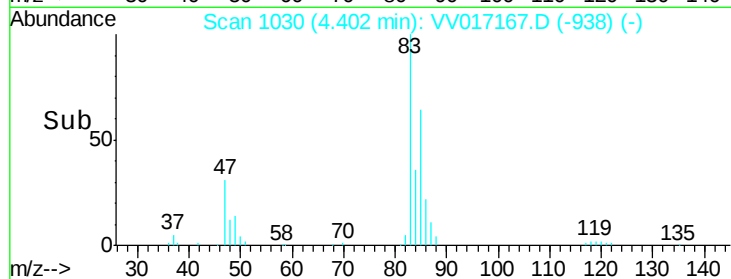
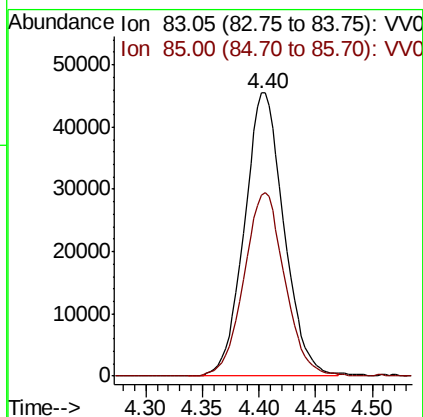
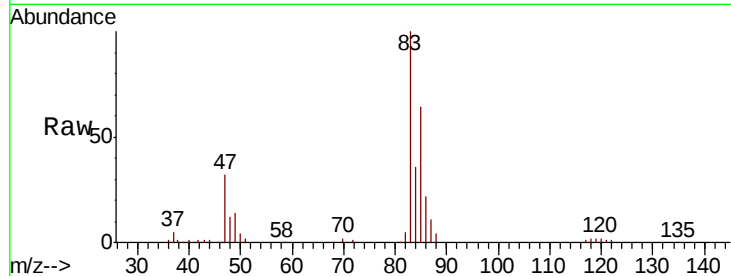




#25
Chloroform
Concen: 5.350 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

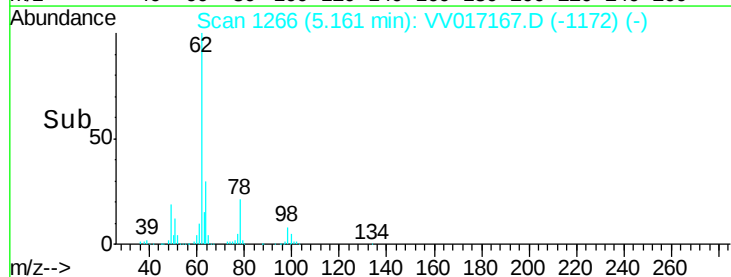
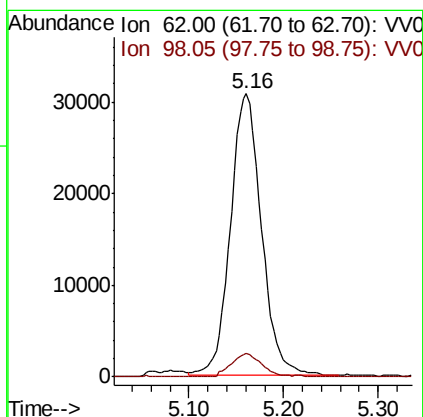
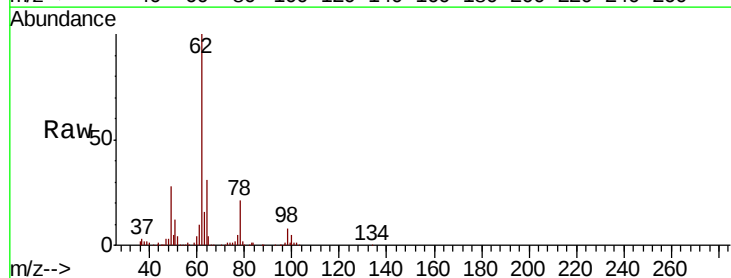
Instrument :
MSVOA_V
ClientSampled :

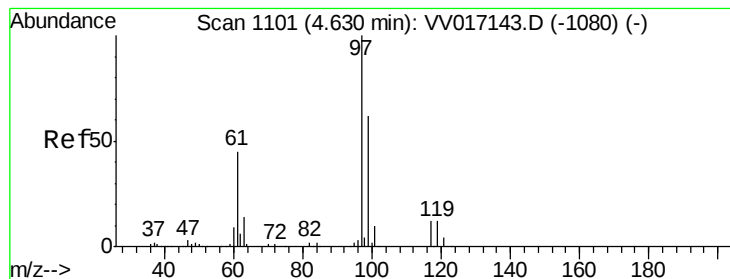
Tot Ion: 83 Resp: 110545
Ion Ratio Lower Upper
83 100
85 63.9 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.443 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

Tgt Ion: 62 Resp: 69876
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.295 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Instrument :

MSVOA_V

ClientSampled :

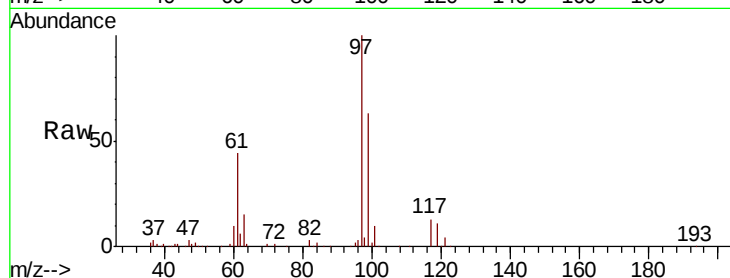
Tot Ion: 97 Resp: 103087

Ion Ratio Lower Upper

97 100

99 64.1 50.3 75.5

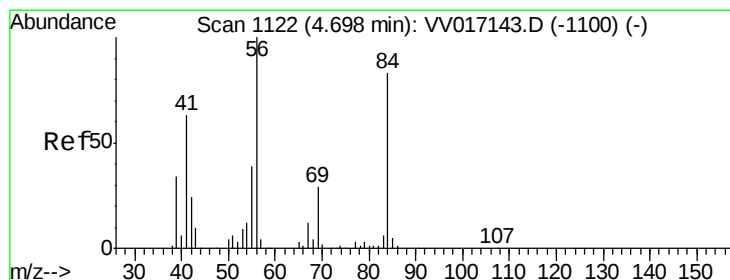
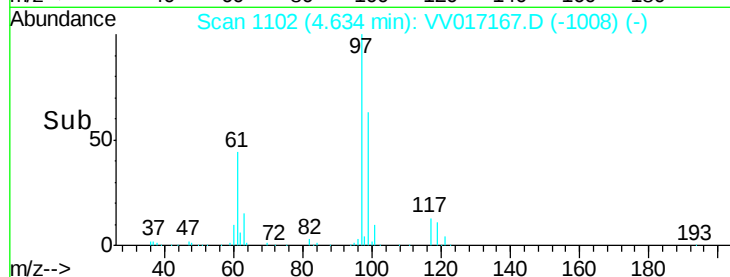
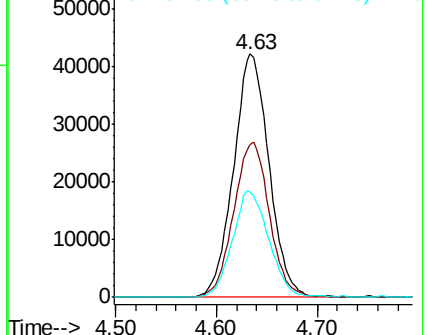
61 45.0 36.0 54.0



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: 4.566 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

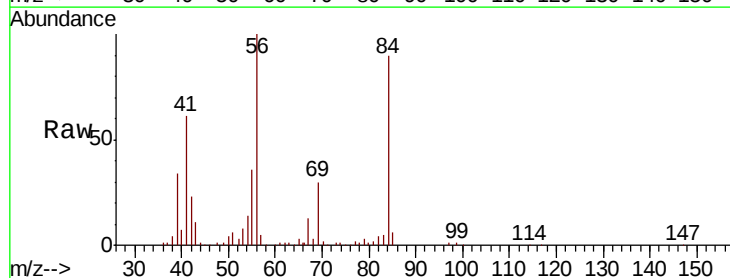
Tgt Ion: 56 Resp: 84580

Ion Ratio Lower Upper

56 100

69 30.2 24.4 36.6

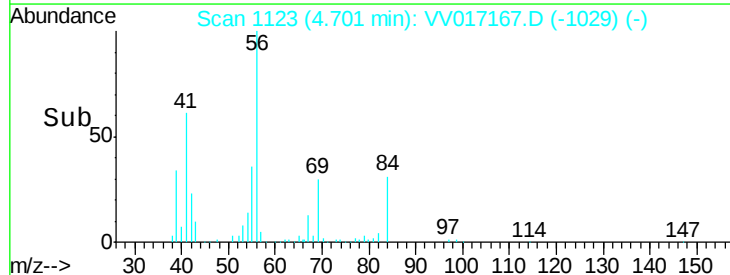
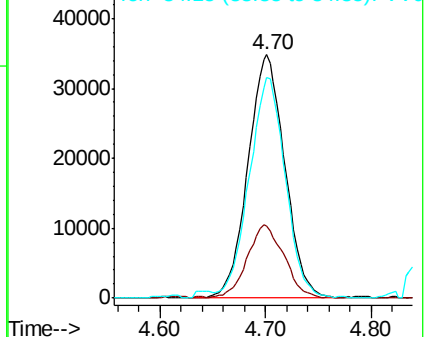
84 89.3 69.9 104.9

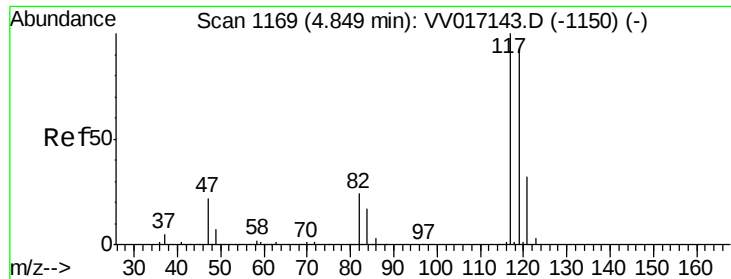


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

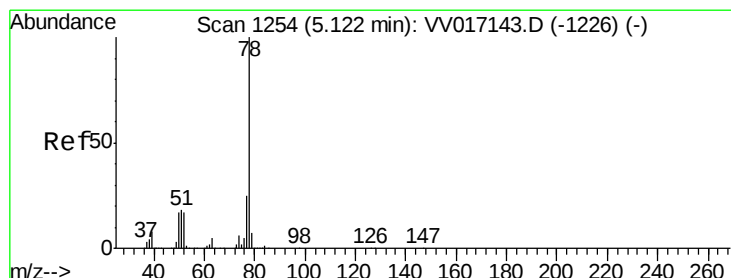
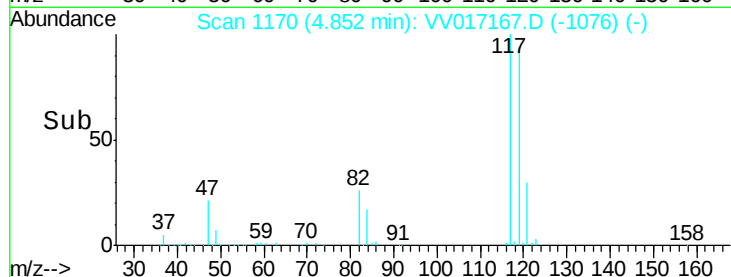
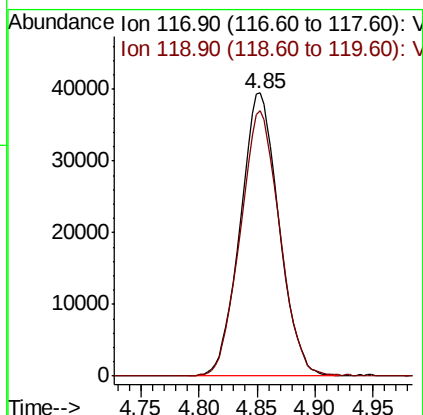
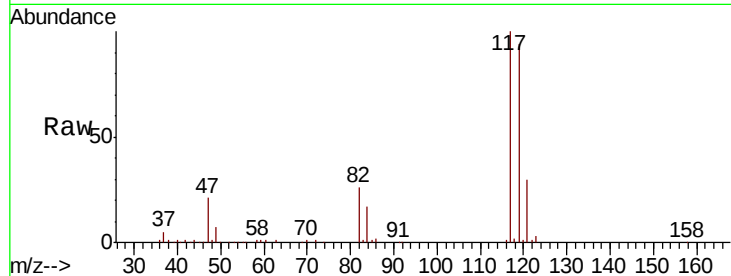




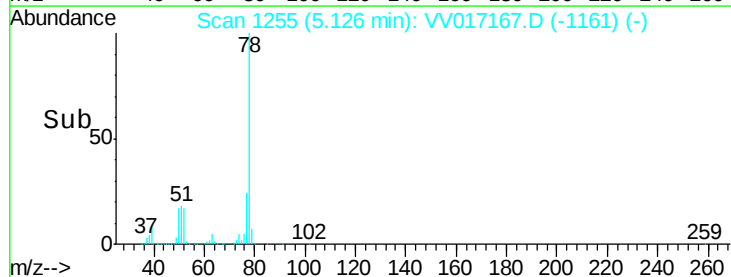
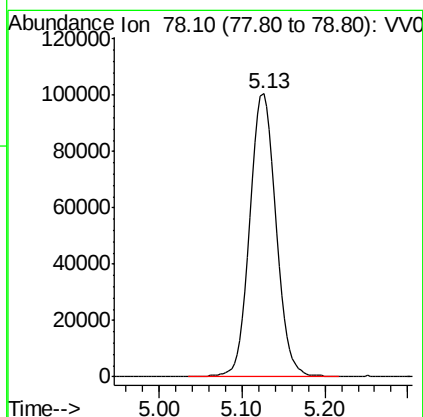
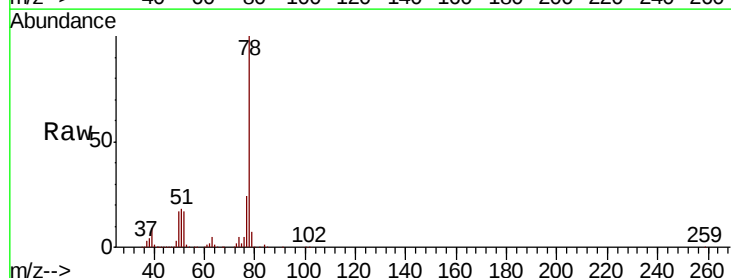
#31
Carbon tetrachloride
Concen: 5.229 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

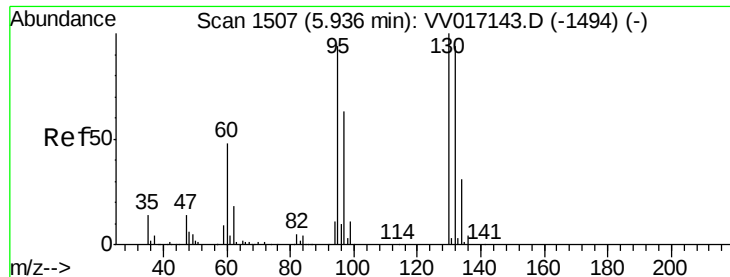
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 91861
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.8



#33
Benzene
Concen: 5.207 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00
Tgt Ion: 78 Resp: 221600





#34

Trichloroethene

Concen: 4.851 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 60446

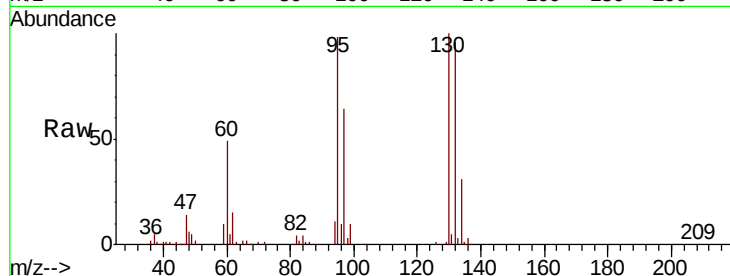
Ion Ratio Lower Upper

95 100

97 65.9 45.3 84.1

132 97.9 68.8 127.8

130 102.4 70.2 130.4



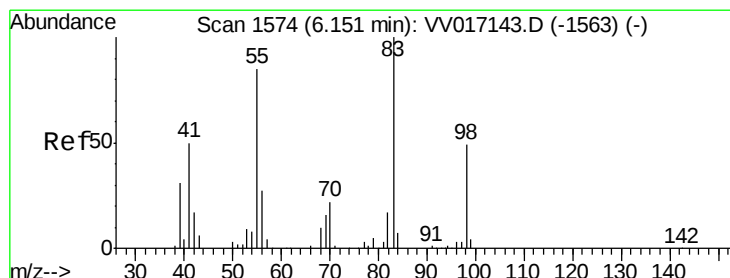
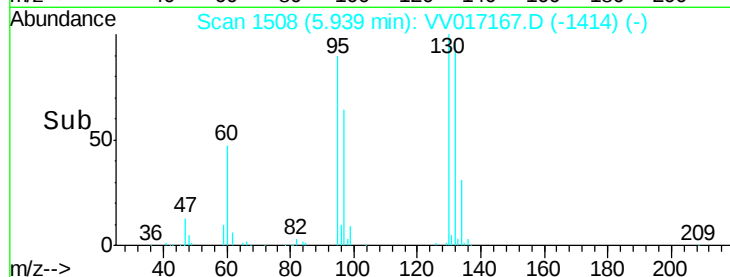
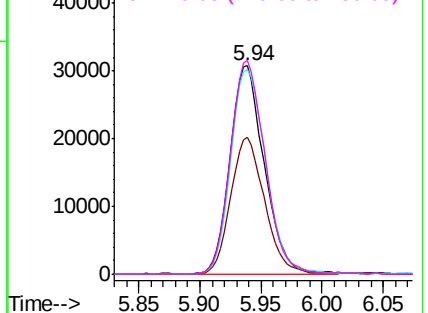
Abundance

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: 4.515 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

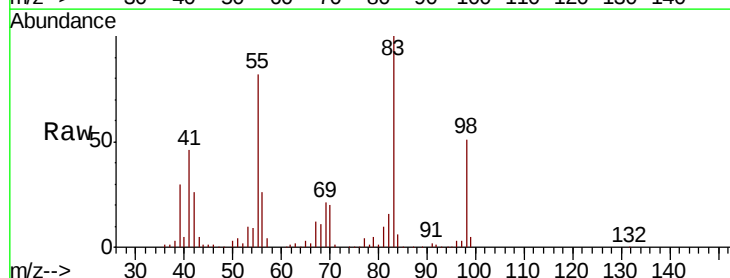
Tgt Ion: 83 Resp: 87457

Ion Ratio Lower Upper

83 100

55 81.3 63.6 95.4

98 49.6 38.8 58.2

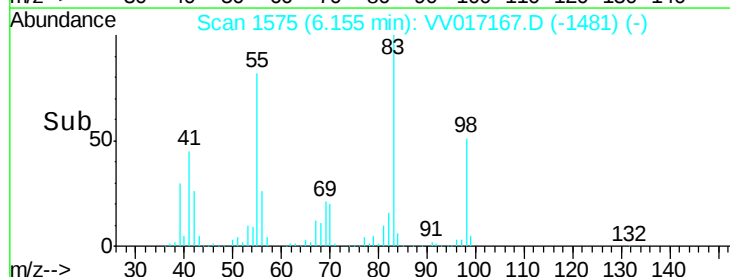
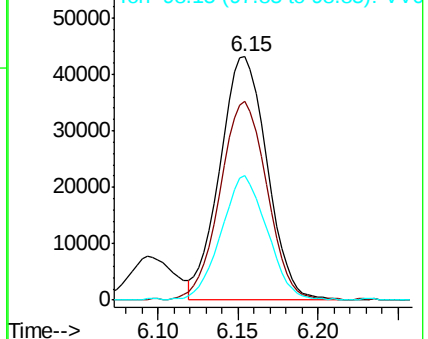


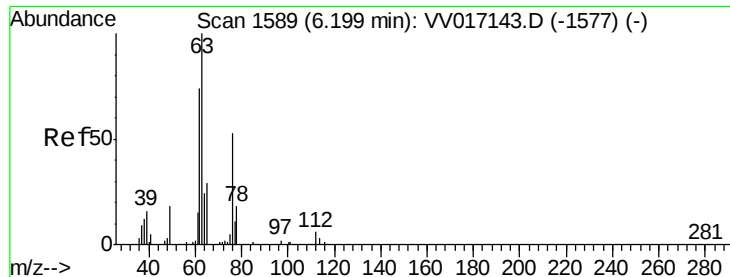
Abundance

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: 5.060 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

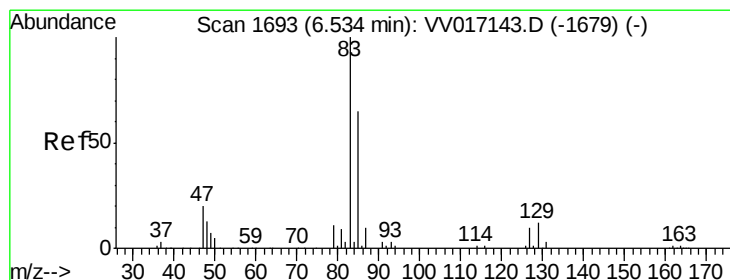
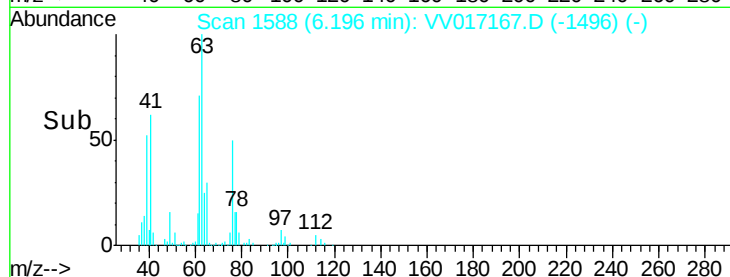
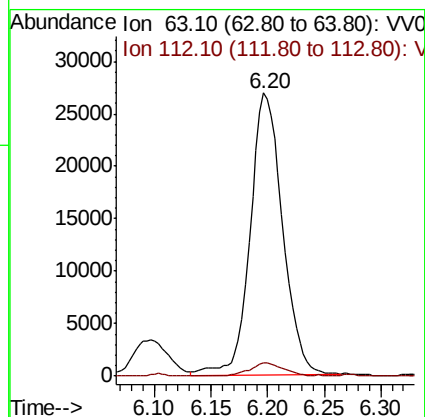
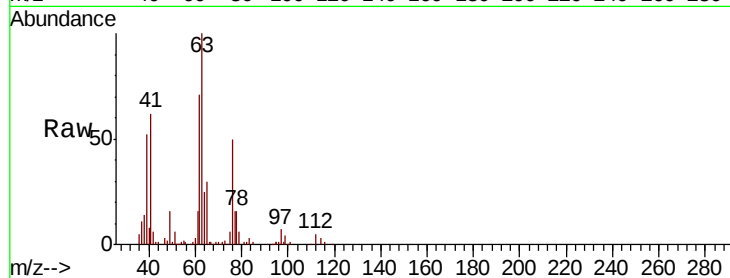
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 53300

Ion Ratio Lower Upper

63 100

112 5.0 4.4 6.6



#38

Bromodichloromethane

Concen: 5.049 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

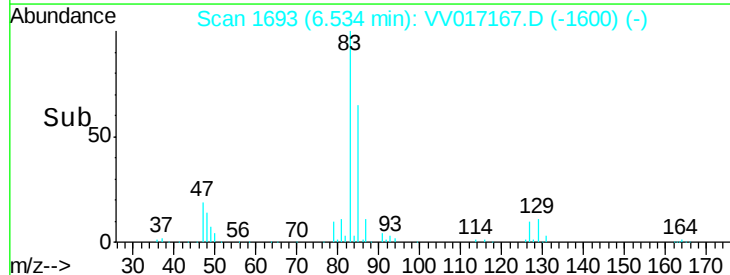
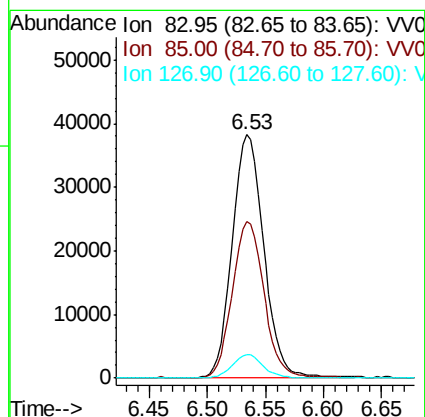
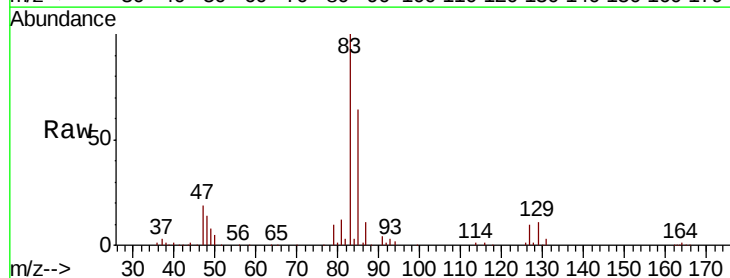
Tgt Ion: 83 Resp: 72242

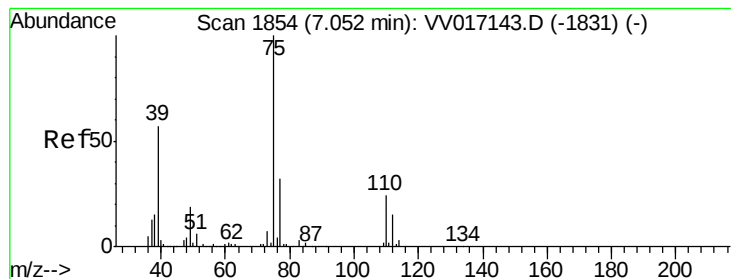
Ion Ratio Lower Upper

83 100

85 64.4 43.4 80.6

127 9.9 7.9 11.9



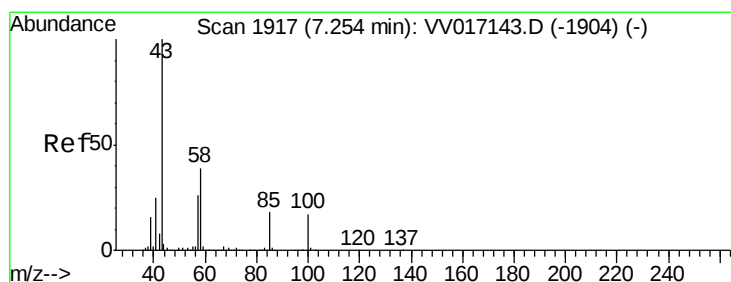
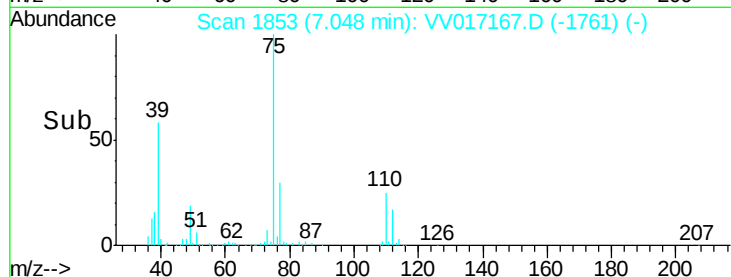
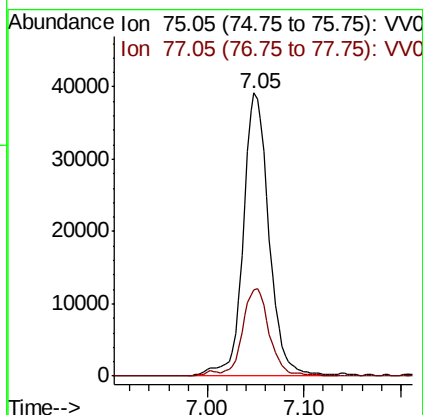
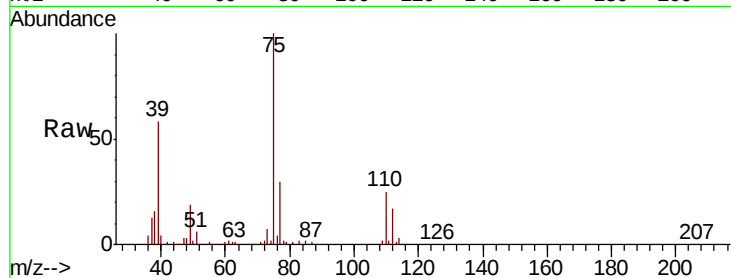


#39

cis-1,3-Dichloropropene
Concen: 4.634 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

Instrument :
MSVOA_V
ClientSampleId :

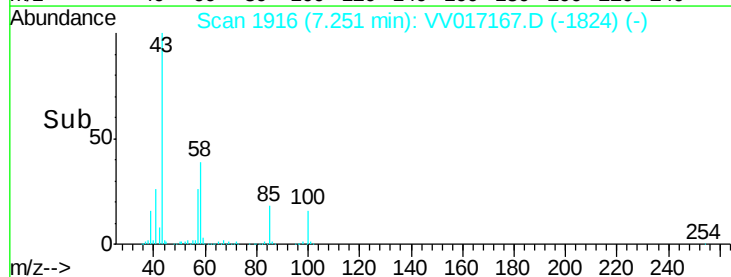
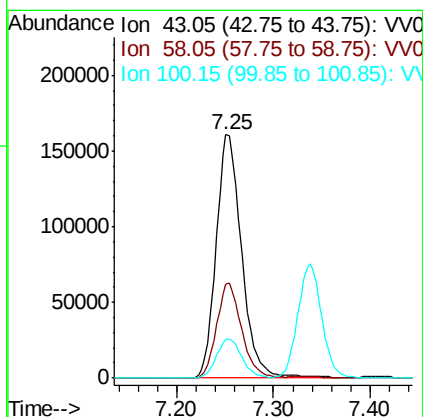
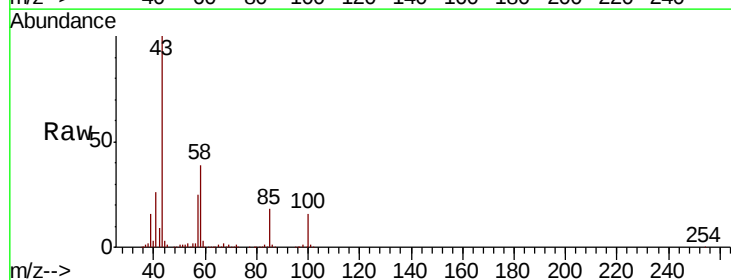
Tot Ion: 75 Resp: 72529
Ion Ratio Lower Upper
75 100
77 30.4 22.3 41.5

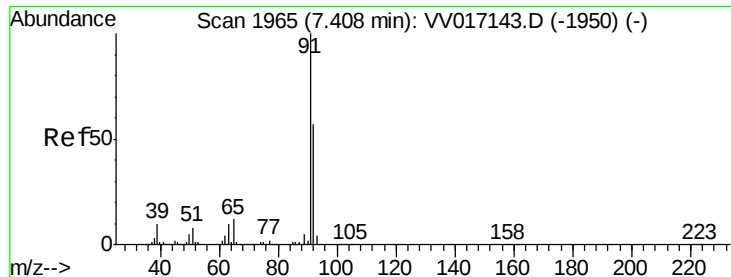


#40

4-Methyl-2-pentanone
Concen: 48.506 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

Tgt Ion: 43 Resp: 295026
Ion Ratio Lower Upper
43 100
58 38.0 30.4 45.6
100 16.1 12.7 19.1





#42

Toluene

Concen: 4.896 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Instrument :

MSVOA_V

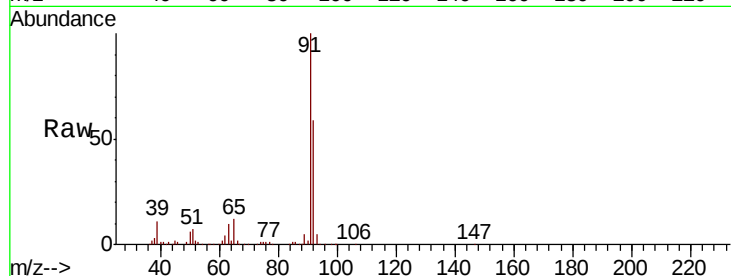
ClientSampled :

Tot Ion: 91 Resp: 242210

Ion Ratio Lower Upper

91 100

92 58.8 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017143.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV017143.D (-1950) (-)

7.41

150000

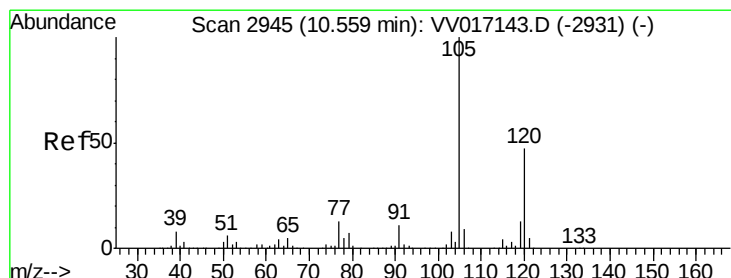
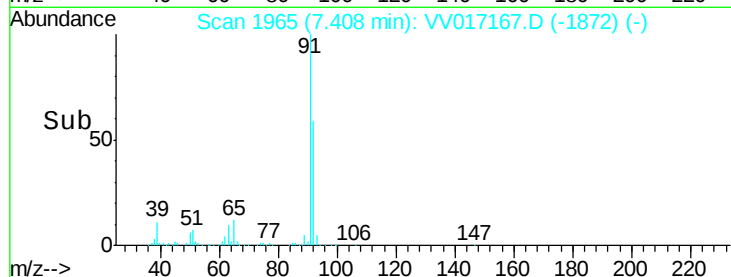
100000

50000

0

Time-->

7.30 7.35 7.40 7.45 7.50



#43

1,3,5-Trimethylbenzene

Concen: 4.938 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017167.D

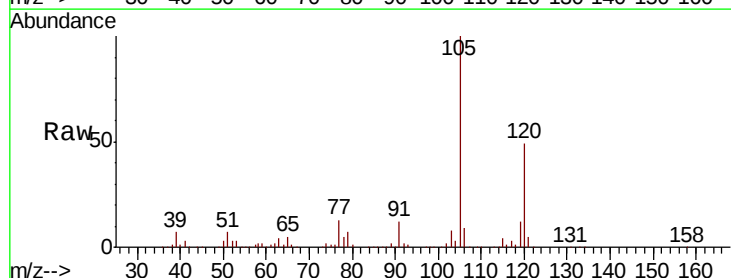
Acq: 26 Jun 2020 08:00

Tgt Ion: 105 Resp: 218461

Ion Ratio Lower Upper

105 100

120 48.8 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017143.D (-2931) (-)

Ion 120.00 (119.70 to 120.70): VV017143.D (-2931) (-)

10.56

150000

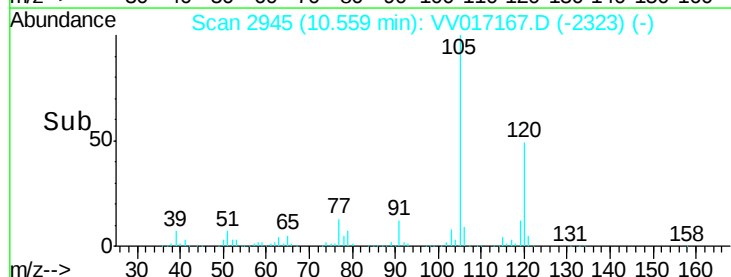
100000

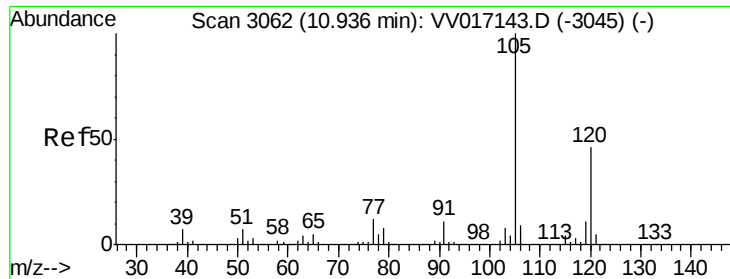
50000

0

Time-->

10.50 10.55 10.60





#44

1,2,4-Trimethylbenzene

Concen: 5.139 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Instrument :

MSVOA_V

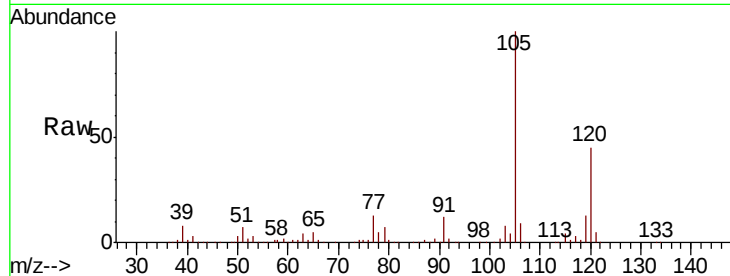
ClientSampleId :

Tot Ion:105 Resp: 231542

Ion Ratio Lower Upper

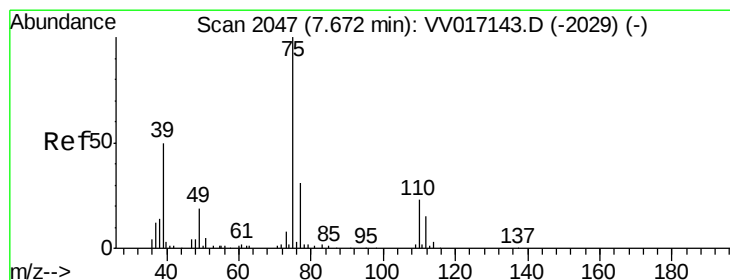
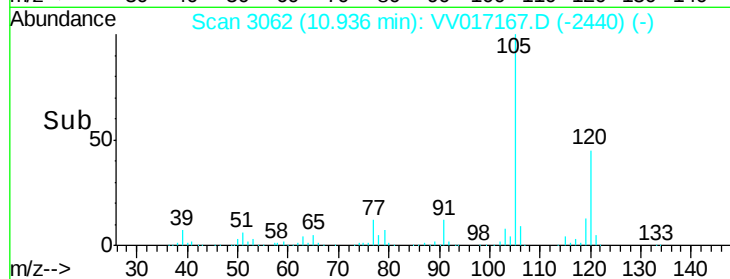
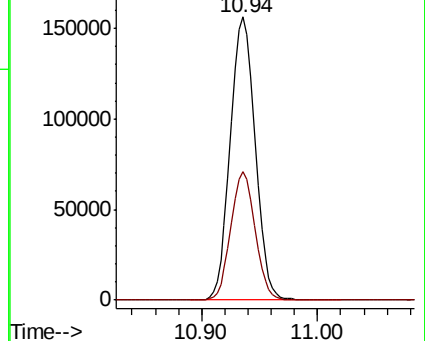
105 100

120 44.3 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#46

trans-1,3-Dichloropropene

Concen: 4.589 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017167.D

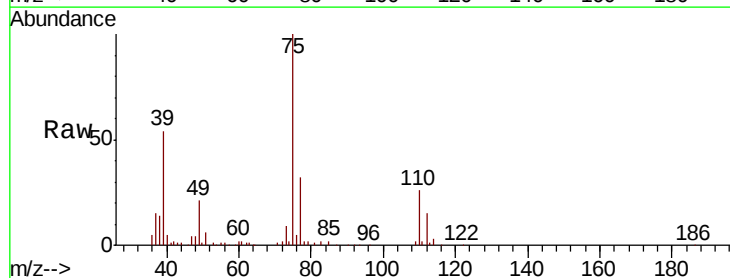
Acq: 26 Jun 2020 08:00

Tgt Ion: 75 Resp: 62125

Ion Ratio Lower Upper

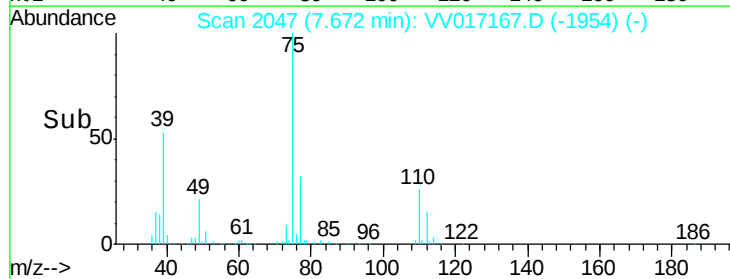
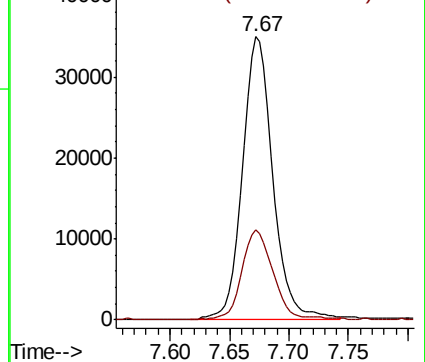
75 100

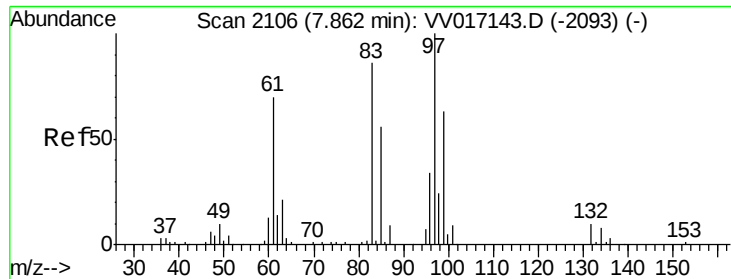
77 31.9 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

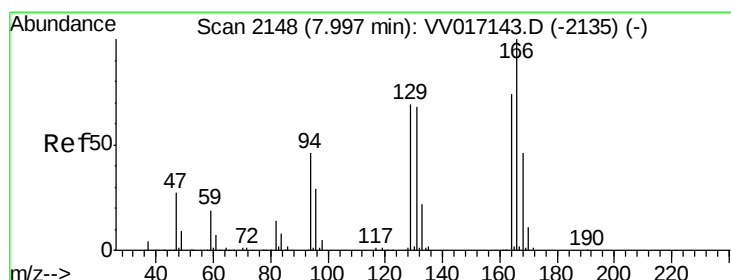
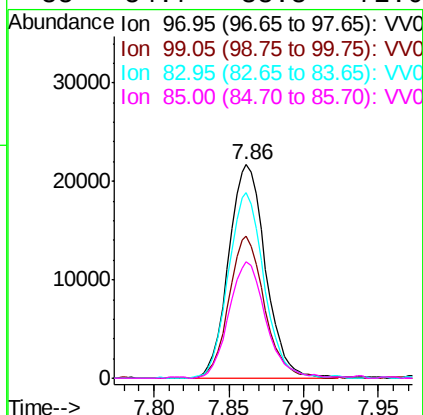
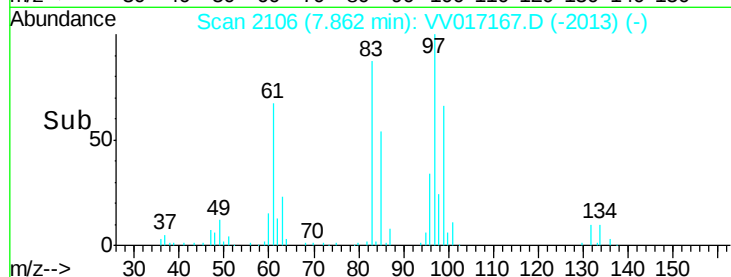
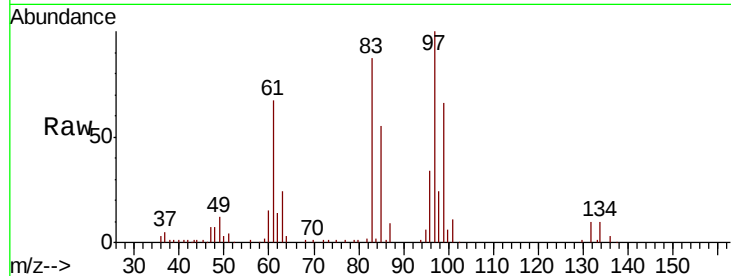




#47
 1,1,2-Trichloroethane
 Concen: 5.001 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017167.D
 Acq: 26 Jun 2020 08:00

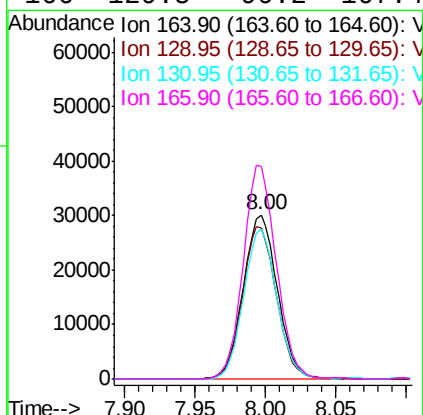
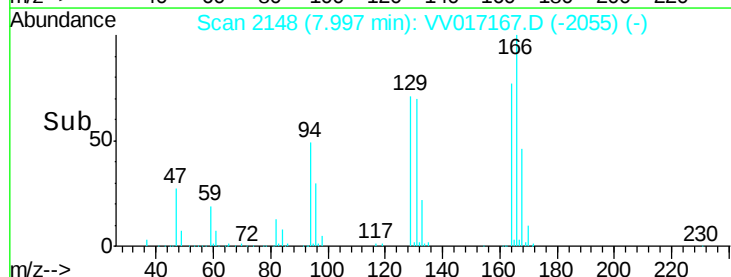
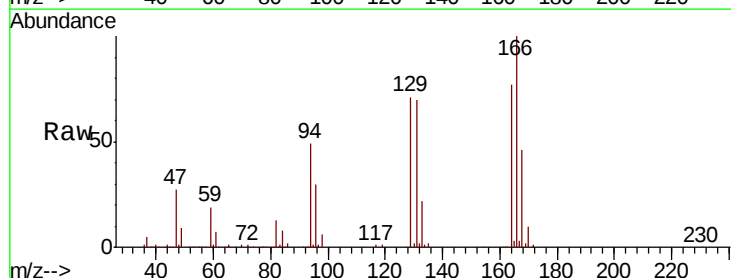
Instrument :
 MSVOA_V
 ClientSampleId :

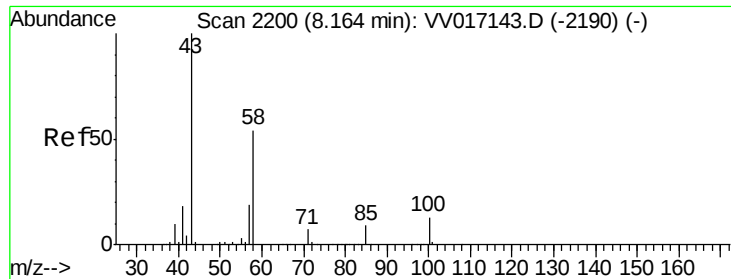
Tot Ion:	97	Resp:	37366
Ion	Ratio	Lower	Upper
97	100		
99	66.5	43.6	81.0
83	86.8	57.4	106.6
85	54.7	38.8	72.0



#49
 Tetrachloroethene
 Concen: 5.120 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017167.D
 Acq: 26 Jun 2020 08:00

Tgt Ion:	164	Resp:	51356
Ion	Ratio	Lower	Upper
164	100		
129	92.3	65.2	121.0
131	91.1	64.1	119.1
166	129.5	90.2	167.4

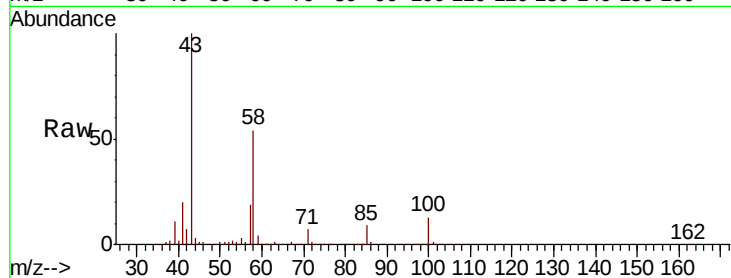




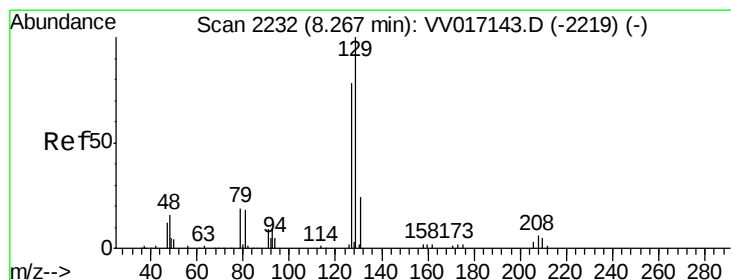
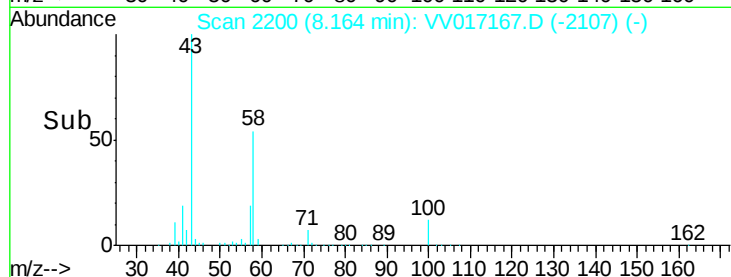
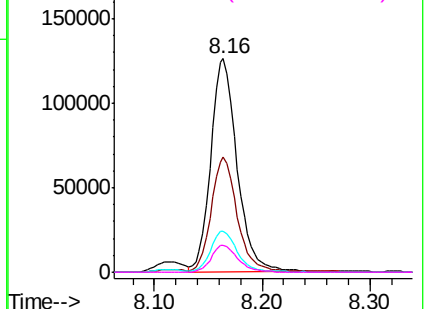
#50
2-Hexanone
Concen: 49.322 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 213486
Ion Ratio Lower Upper
43 100
58 53.1 41.6 62.4
57 19.3 15.4 23.0
100 13.1 10.1 15.1

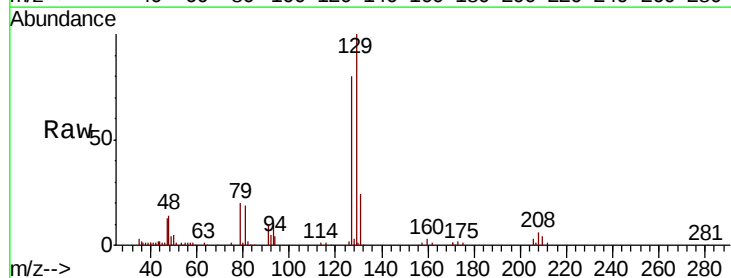


Abundance Ion 43.05 (42.75 to 43.75): VV017167.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV017167.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV017167.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV017167.D (-2107) (-)

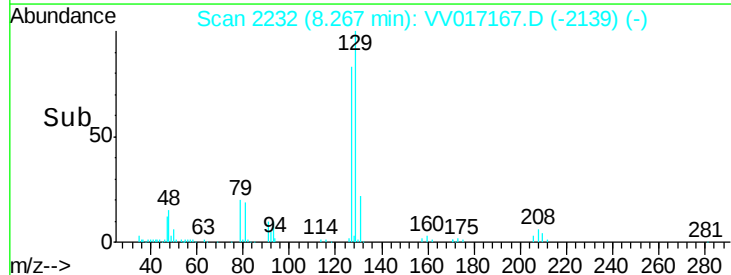
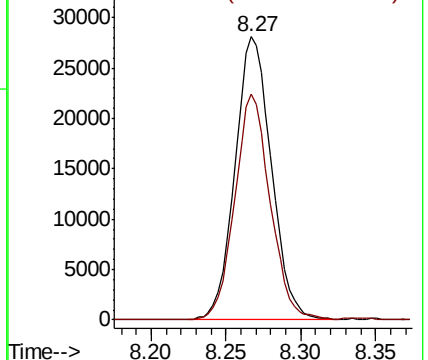


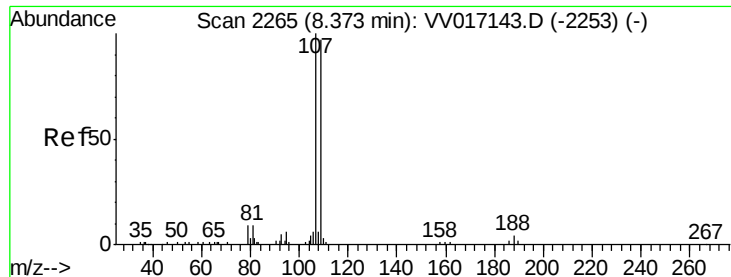
#51
Dibromochloromethane
Concen: 5.250 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

Tgt Ion: 129 Resp: 47552
Ion Ratio Lower Upper
129 100
127 79.9 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): VV017167.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV017167.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 4.989 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Instrument :

MSVOA_V

ClientSampled :

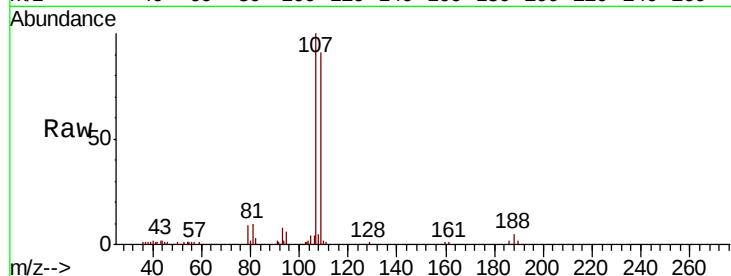
Tot Ion:107 Resp: 35350

Ion Ratio Lower Upper

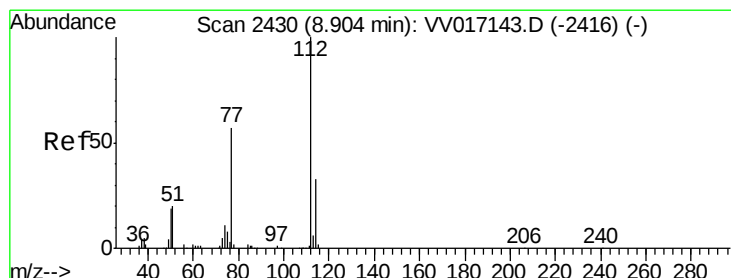
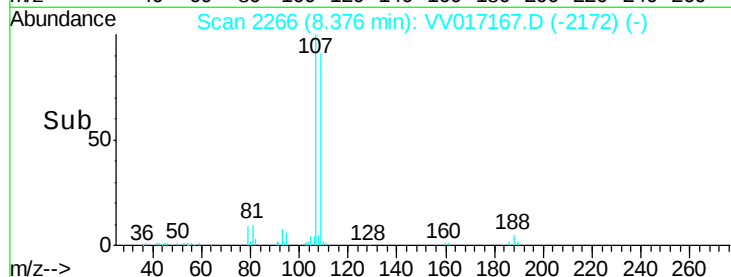
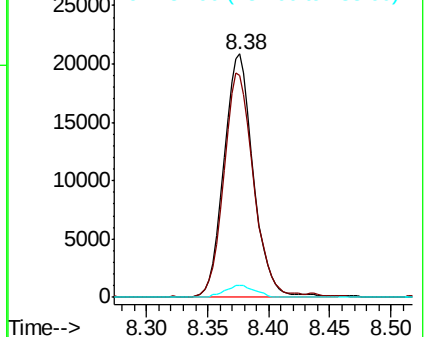
107 100

109 91.0 69.4 128.8

188 5.1 3.9 5.9



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



#53

Chlorobenzene

Concen: 5.068 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

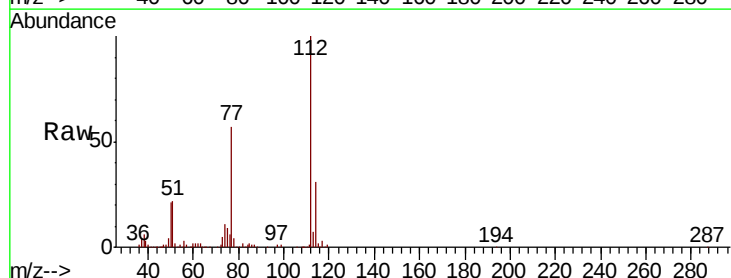
Tgt Ion:112 Resp: 156298

Ion Ratio Lower Upper

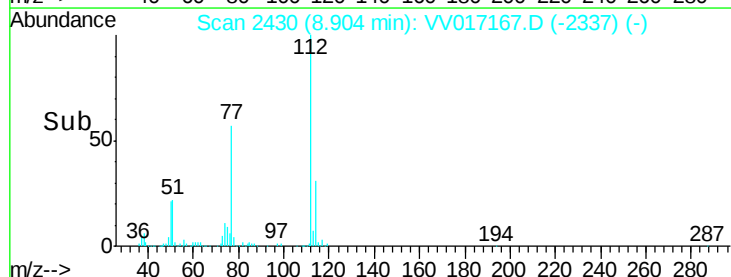
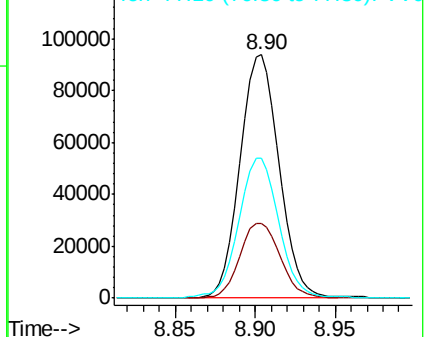
112 100

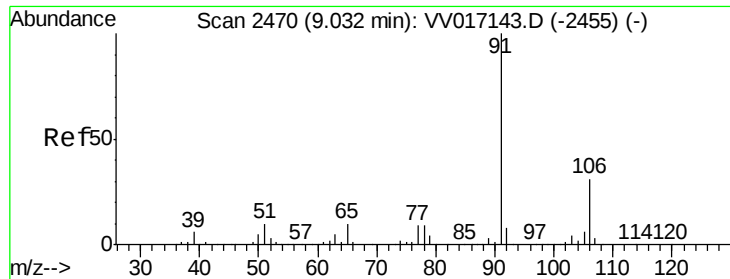
114 30.5 22.0 41.0

77 57.4 46.0 69.0



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





#54

Ethylbenzene

Concen: 5.051 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

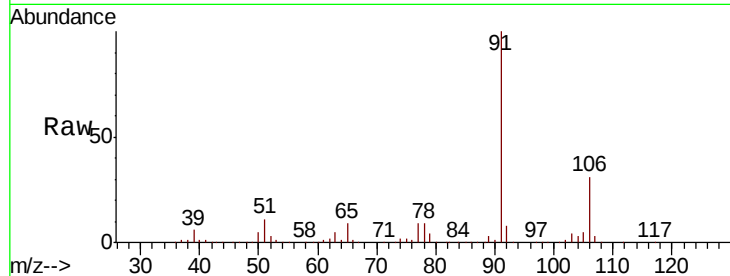
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 266758

Ion Ratio Lower Upper

91 100

106 31.2 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV017143.D (-2455) (-)

Ion 106.15 (105.85 to 106.85): VV017143.D (-2455) (-)

9.03

150000

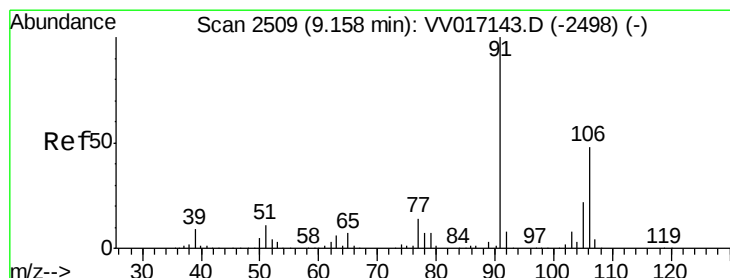
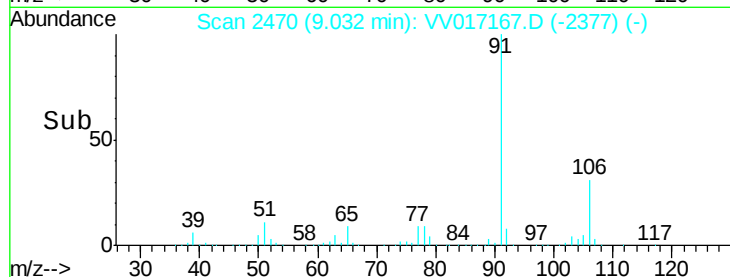
100000

50000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#55

m,p-xylene

Concen: 4.898 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017167.D

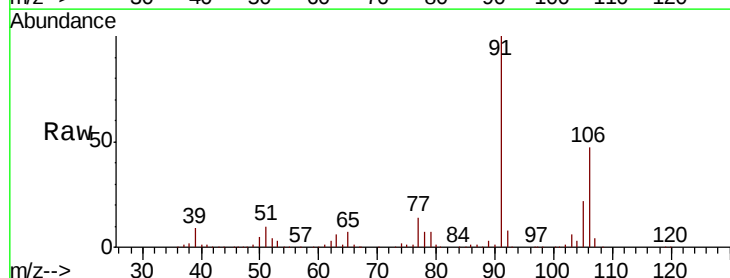
Acq: 26 Jun 2020 08:00

Tgt Ion: 106 Resp: 101461

Ion Ratio Lower Upper

106 100

91 213.1 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): VV017143.D (-2498) (-)

Ion 91.15 (90.85 to 91.85): VV017143.D (-2498) (-)

9.16

150000

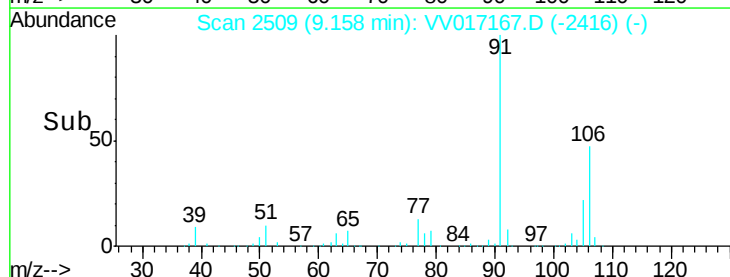
100000

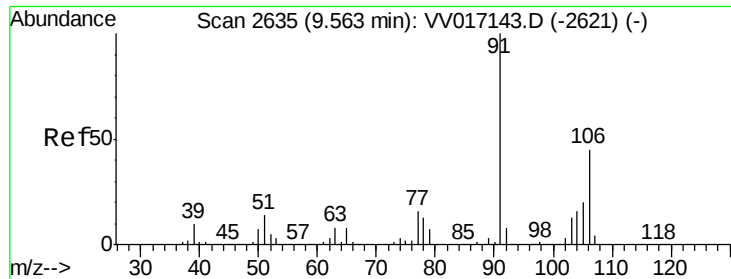
50000

0

9.10 9.15 9.20 9.25

Time-->

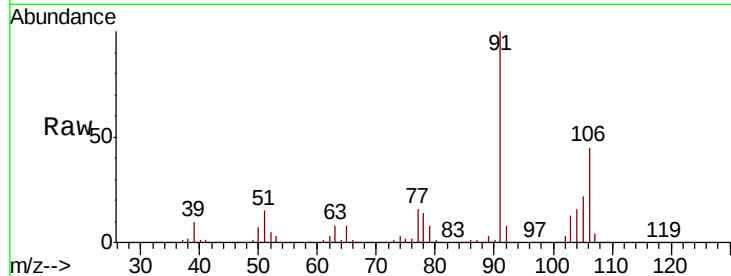




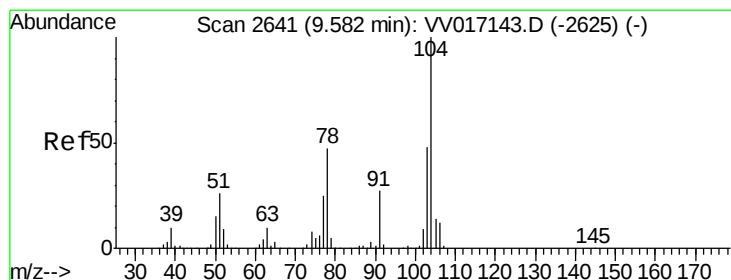
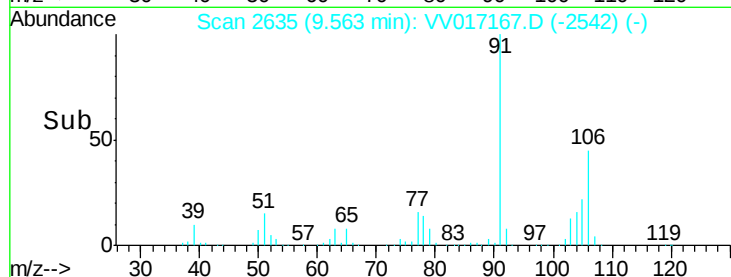
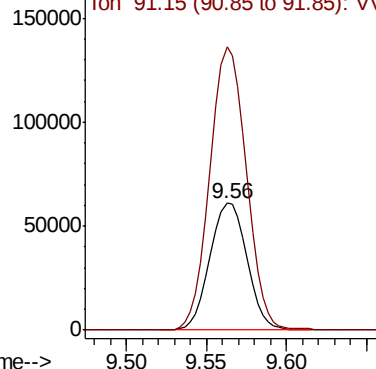
#56
o-xylene
Concen: 5.000 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 96641
Ion Ratio Lower Upper
106 100
91 222.6 153.6 285.2

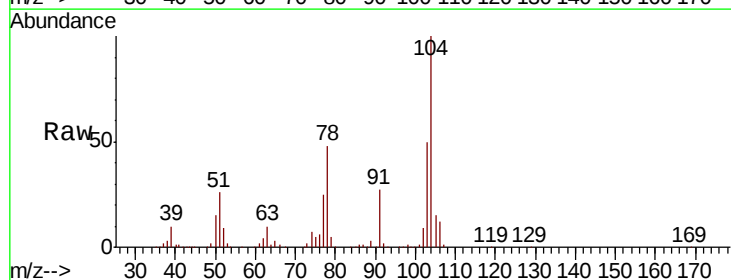


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

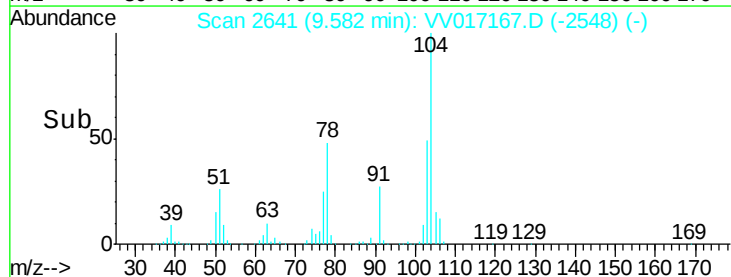
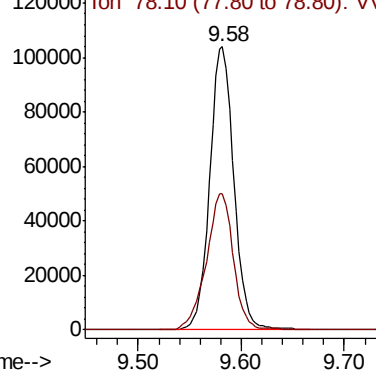


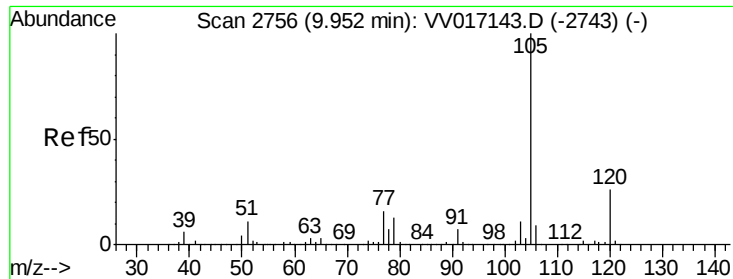
#57
Styrene
Concen: 5.298 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017167.D
Acq: 26 Jun 2020 08:00

Tgt Ion:104 Resp: 169685
Ion Ratio Lower Upper
104 100
78 47.9 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: 4.910 ug/L

RT: 9.95 min Scan# 2756

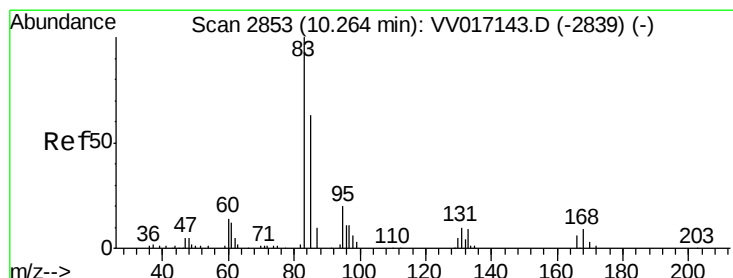
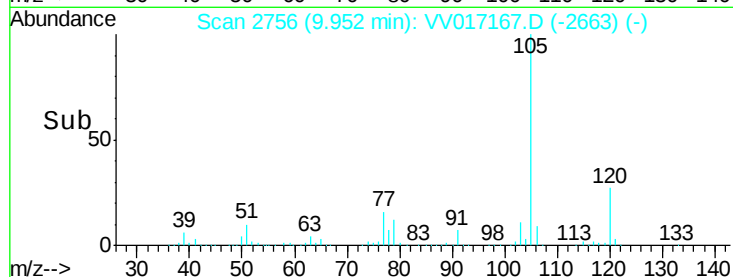
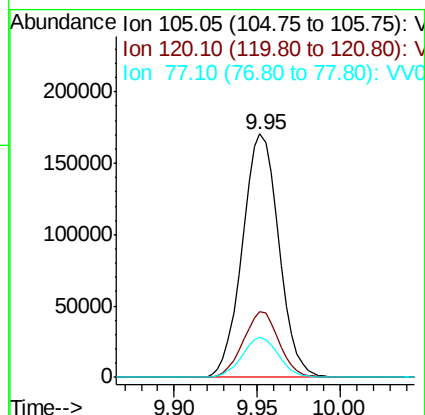
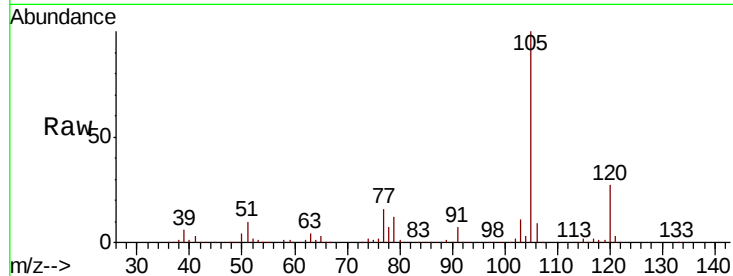
Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	105	Resp:	261162
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.2	31.8
77	16.4	13.0	19.4



#60

1,1,2,2-Tetrachloroethane

Concen: 5.566 ug/L

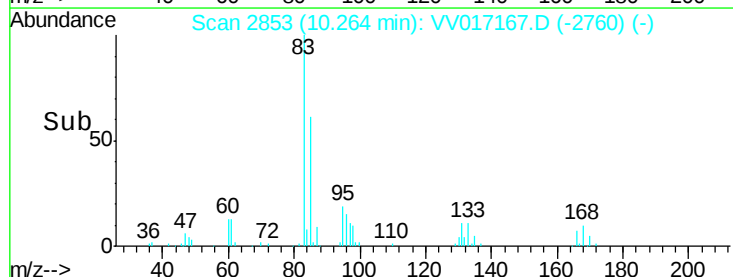
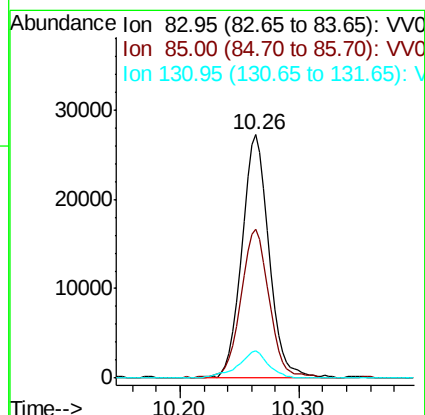
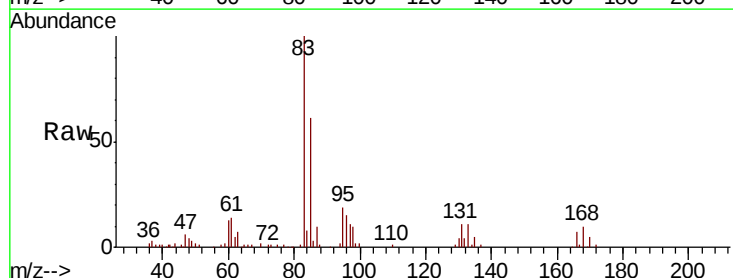
RT: 10.26 min Scan# 2853

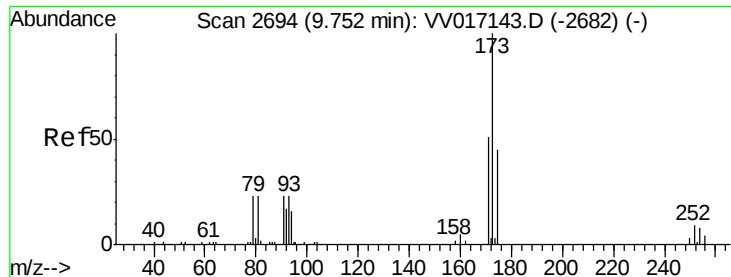
Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Tgt Ion:	83	Resp:	43014
Ion	Ratio	Lower	Upper
83	100		
85	61.3	42.9	79.7
131	11.1	8.6	13.0





#62

Bromoform

Concen: 5.458 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Instrument :
MSVOA_V
ClientSampleId :

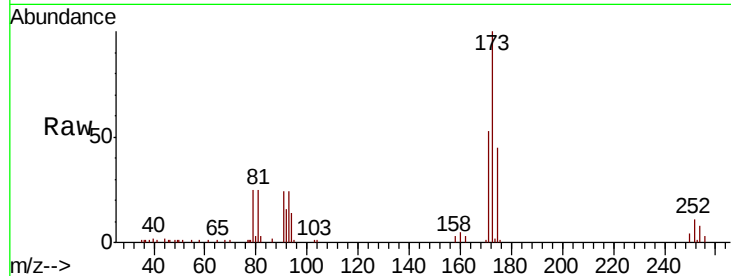
Tot Ion:173 Resp: 25596

Ion Ratio Lower Upper

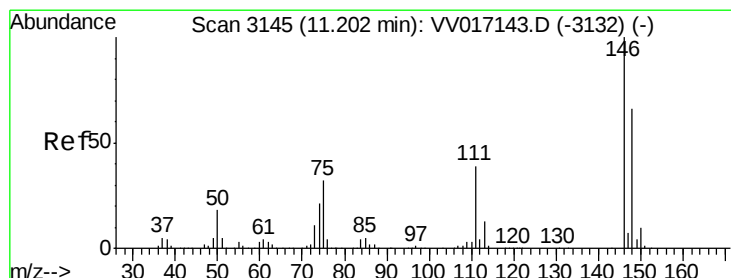
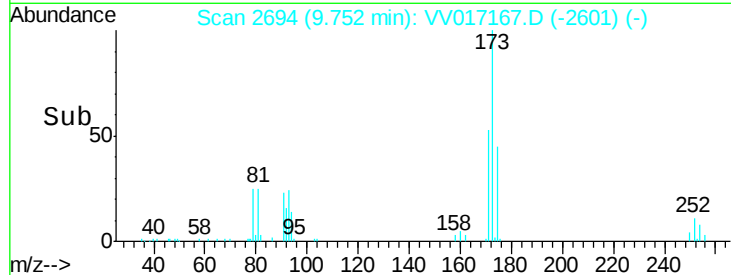
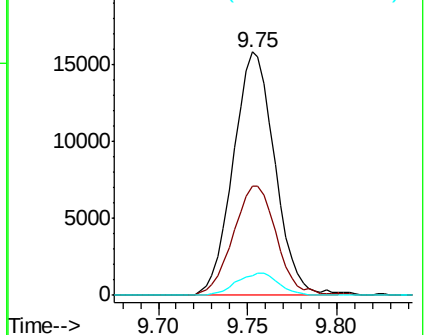
173 100

175 47.2 39.4 59.2

254 9.2 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: 5.033 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

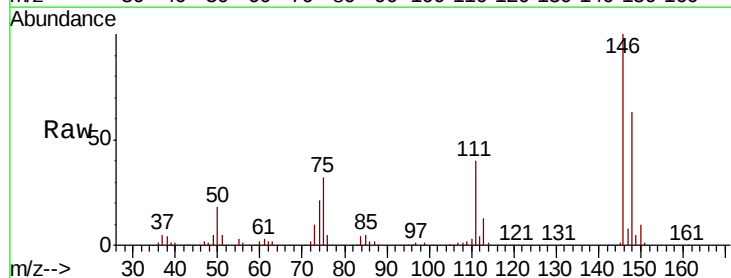
Tgt Ion:146 Resp: 132817

Ion Ratio Lower Upper

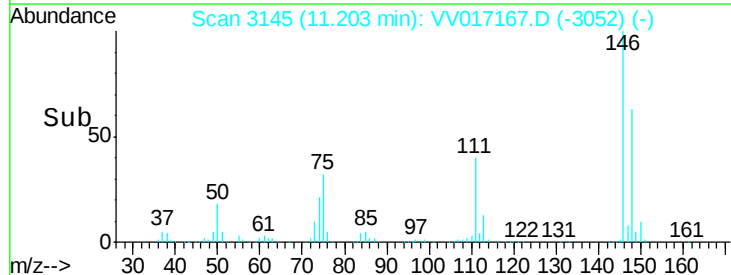
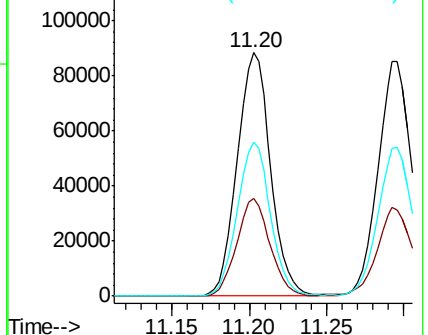
146 100

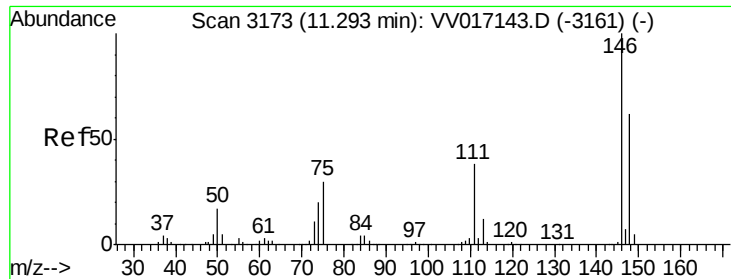
111 40.2 29.2 54.2

148 63.2 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: 4.913 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Instrument :

MSVOA_V

ClientSampled :

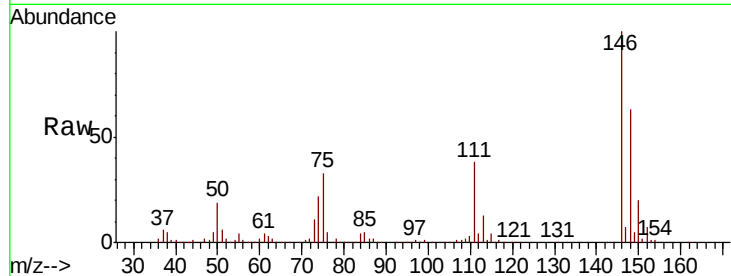
Tot Ion:146 Resp: 131778

Ion Ratio Lower Upper

146 100

111 37.8 27.4 50.8

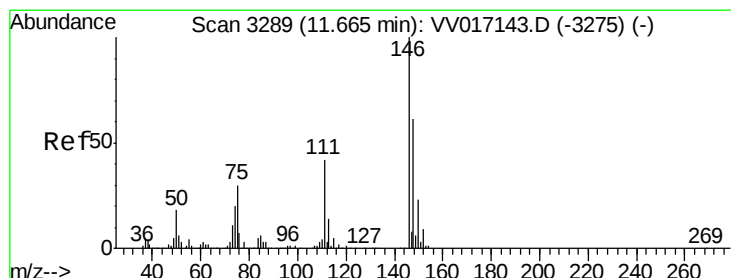
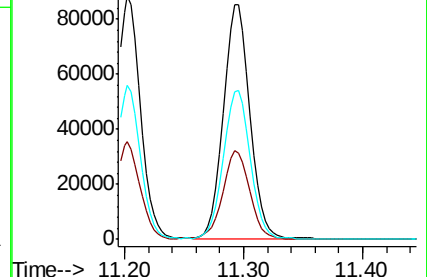
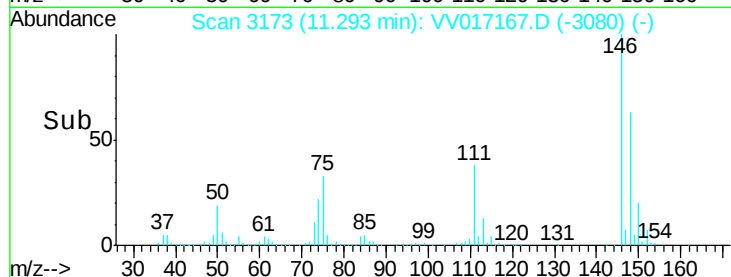
148 62.7 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 5.066 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

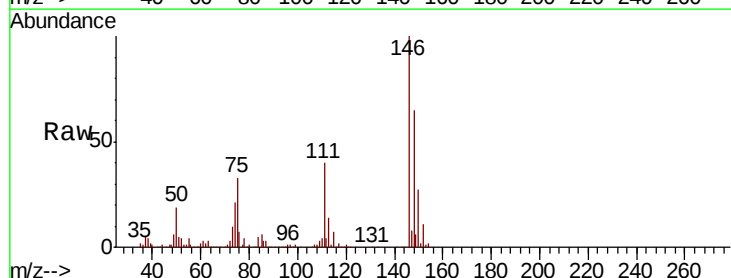
Tgt Ion:146 Resp: 121320

Ion Ratio Lower Upper

146 100

111 40.4 34.4 51.6

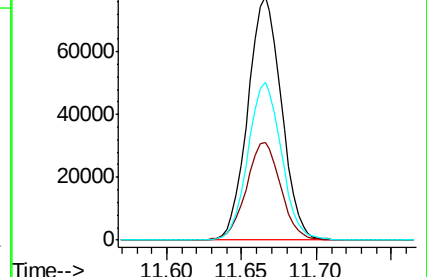
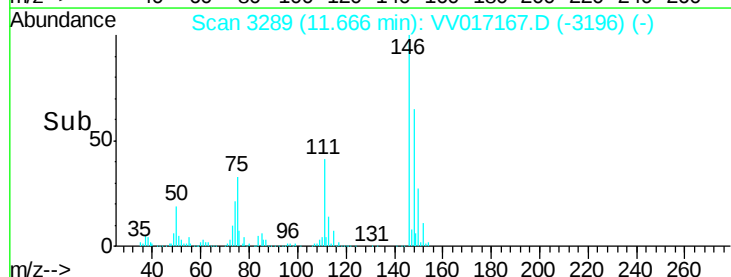
148 64.7 49.9 74.9

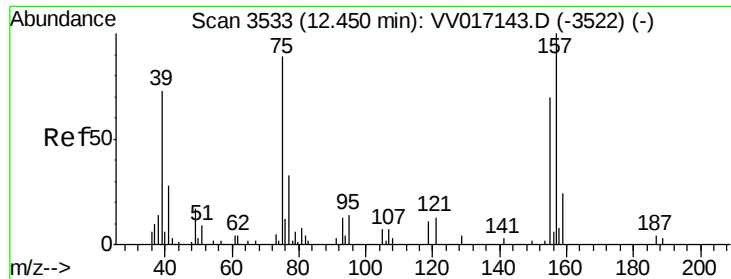


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

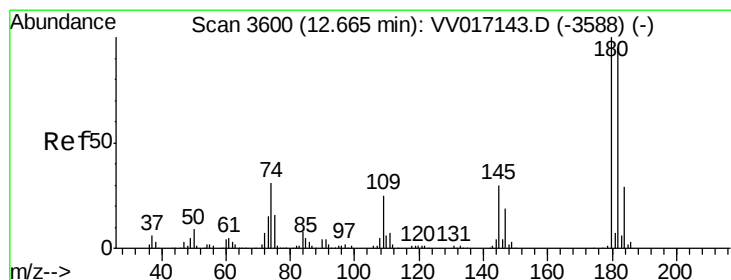
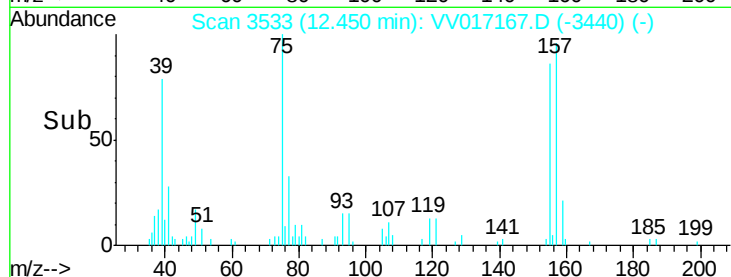
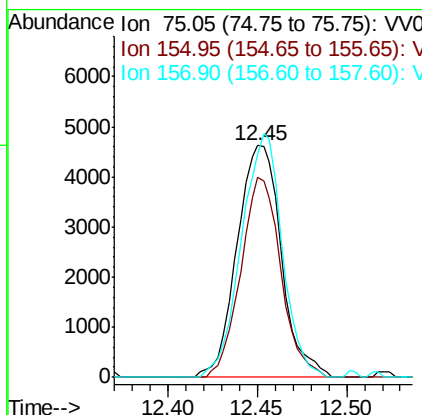
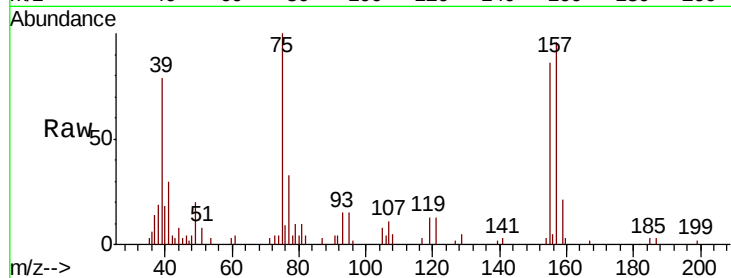




#67
 1,2-Dibromo-3-chloropropane
 Concen: 6.034 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017167.D
 Acq: 26 Jun 2020 08:00

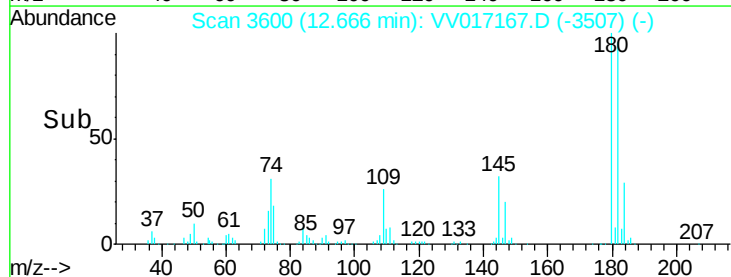
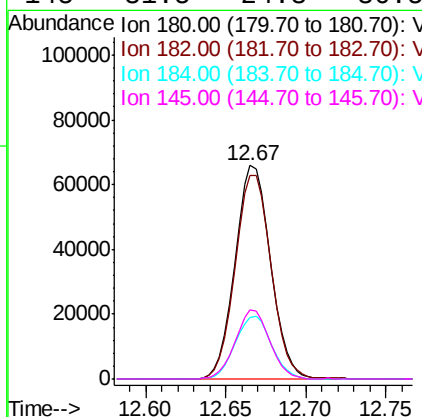
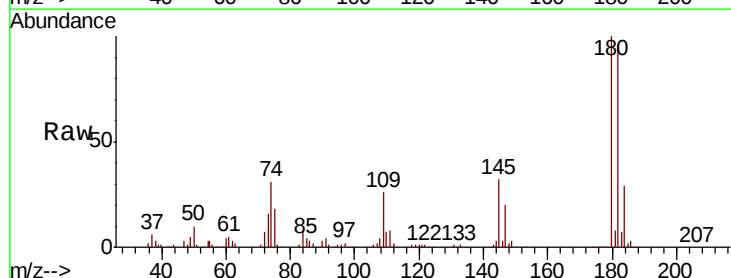
Instrument :
 MSVOA_V
 ClientSampleId :

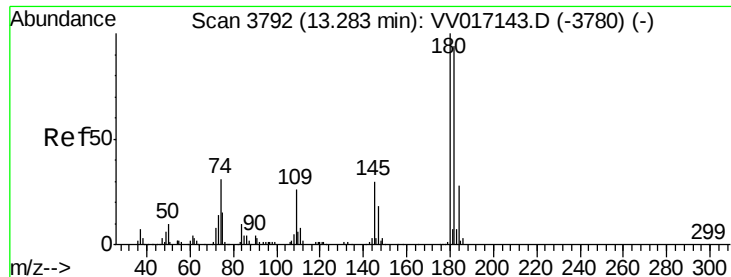
Tot Ion: 75 Resp: 7994
 Ion Ratio Lower Upper
 75 100
 155 86.1 71.1 106.7
 157 96.1 88.3 132.5



#68
 1,3,5-Trichlorobenzene
 Concen: 4.683 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV017167.D
 Acq: 26 Jun 2020 08:00

Tgt Ion: 180 Resp: 99298
 Ion Ratio Lower Upper
 180 100
 182 97.1 77.4 116.2
 184 30.0 24.2 36.4
 145 31.5 24.3 36.5





#69

1,2,4-trichlorobenzene

Concen: 4.685 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

Instrument :

MSVOA_V

ClientSampleId :

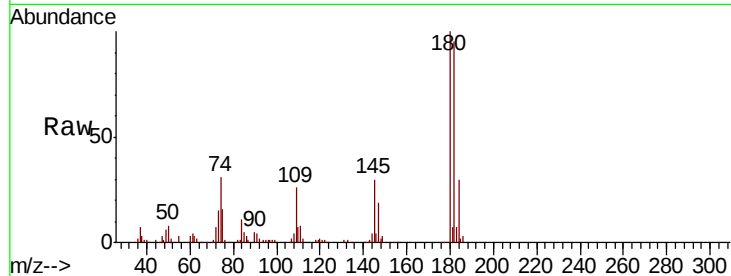
Tot Ion:180 Resp: 81772

Ion Ratio Lower Upper

180 100

182 92.5 76.6 114.8

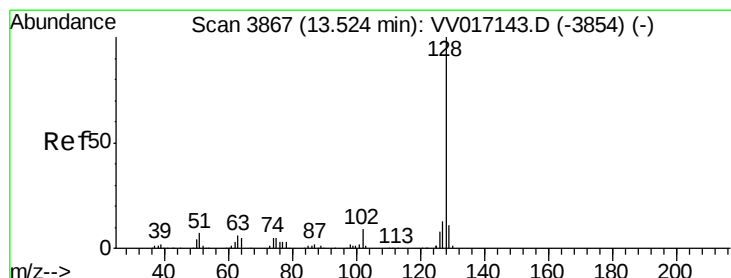
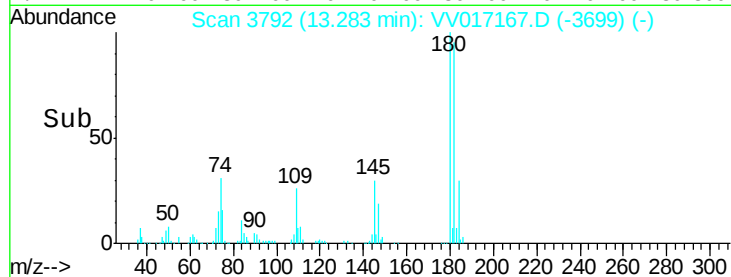
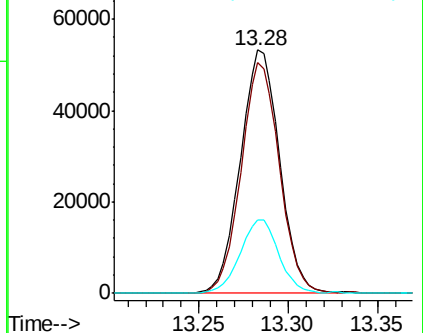
145 29.8 25.0 37.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#70

Naphthalene

Concen: 4.706 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017167.D

Acq: 26 Jun 2020 08:00

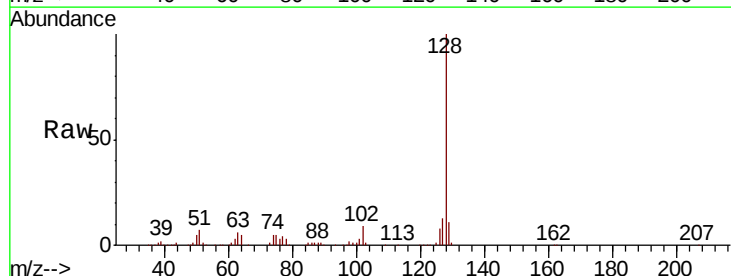
Tgt Ion:128 Resp: 115986

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

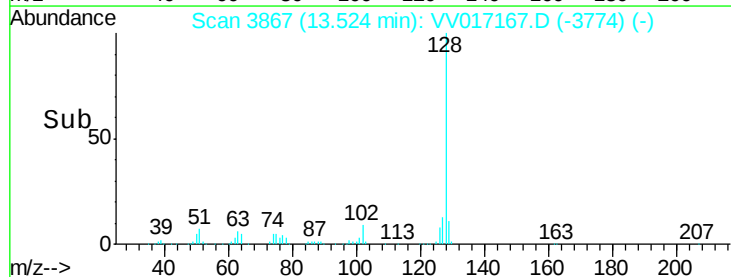
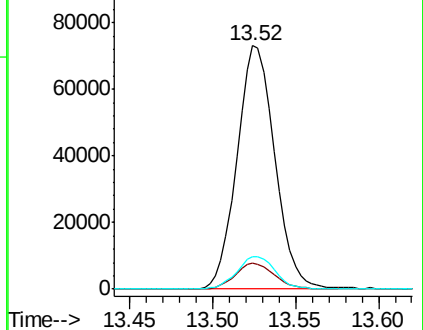
127 13.8 10.5 15.7

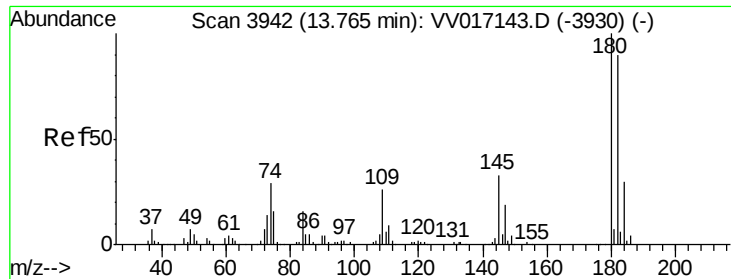


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

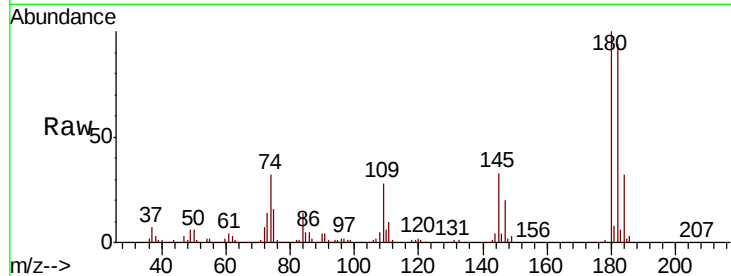




#71
 1,2,3-Trichlorobenzene
 Concen: 5.082 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017167.D
 Acq: 26 Jun 2020 08:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.0
145	33.9	25.9	38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

