

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\
 Data File : VV016354.D
 Acq On : 30 May 2020 12:42
 Operator : SY/MD
 Sample : VSTD0.533
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 03:26:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 03:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	77221	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	74853	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	34606	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3140	0.47	ug/L	0.00
7) Chloroethane-d5	1.58	69	2533	0.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	5560	0.47	ug/L	0.00
20) 2-Butanone-d5	3.95	46	4166	2.84	ug/L	0.02
24) Chloroform-d	4.38	84	5145	0.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	2677	0.45	ug/L	0.00
32) Benzene-d6	5.08	84	9334	0.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	3076	0.48	ug/L	0.00
41) Toluene-d8	7.34	98	8225	0.42	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.65	79	880	0.36	ug/L	0.00
48) 2-Hexanone-d5	8.12	63	3988	3.56	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	2005	0.43	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	3051	0.49	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3100	0.473 ug/L	97
3) Chloromethane	1.25	50	4216	0.553 ug/L	94
5) Vinyl chloride	1.32	62	3322	0.464 ug/L	98
6) Bromomethane	1.53	94	1839	0.465 ug/L	92
8) Chloroethane	1.60	64	2110	0.483 ug/L	93
9) Trichlorofluoromethane	1.77	101	4508	0.461 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2523	0.461 ug/L	91
12) 1,1-Dichloroethene	2.14	96	2413	0.471 ug/L	88
13) Acetone	2.21	43	6807	7.784 ug/L	96
14) Carbon disulfide	2.31	76	7180	0.464 ug/L	100
15) Methyl Acetate	2.45	43	1513	0.680 ug/L #	67
16) Methylene chloride	2.53	84	2672	0.496 ug/L	92
17) Methyl tert-butyl Ether	2.79	73	5434	0.453 ug/L #	87
18) trans-1,2-Dichloroethene	2.78	96	2690	0.501 ug/L	87
19) 1,1-Dichloroethane	3.21	63	4859	0.451 ug/L	96
21) 2-Butanone	4.04	43	6858	4.489 ug/L	79
22) cis-1,2-Dichloroethene	3.94	96	2816	0.478 ug/L	99
23) Bromochloromethane	4.28	128	979	0.412 ug/L #	81
25) Chloroform	4.41	83	4822	0.448 ug/L	96
27) 1,2-Dichloroethane	5.17	62	3146	0.437 ug/L	100
29) 1,1,1-Trichloroethane	4.64	97	3796	0.411 ug/L	95
30) Cyclohexane	4.71	56	4183	0.424 ug/L #	64
31) Carbon tetrachloride	4.85	117	3372	0.421 ug/L	98
33) Benzene	5.13	78	10408	0.456 ug/L	100
34) Trichloroethene	5.94	95	2744	0.456 ug/L	95
35) Methylcyclohexane	6.15	83	4282	0.446 ug/L	97
37) 1,2-Dichloropropane	6.21	63	2524	0.422 ug/L #	87
38) Bromodichloromethane	6.54	83	3037	0.436 ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	3006	0.394 ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	14350	4.029 ug/L	96

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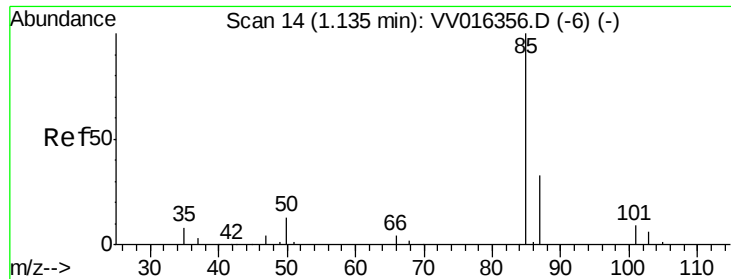
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 03:26:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

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

42) Toluene	7.41	91	10096	0.403	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	7482	0.325	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	7569	0.325	ug/L	96
46) trans-1,3-Dichloropropene	7.68	75	2243	0.342	ug/L	89
47) 1,1,2-Trichloroethane	7.86	97	1625	0.437	ug/L	91
49) Tetrachloroethene	8.00	164	2084	0.484	ug/L	91
50) 2-Hexanone	8.17	43	9190	3.630	ug/L	97
51) Dibromochloromethane	8.27	129	1442	0.375	ug/L	91
52) 1,2-Dibromoethane	8.38	107	1428	0.403	ug/L #	85
53) Chlorobenzene	8.91	112	6794	0.446	ug/L	96
54) Ethylbenzene	9.04	91	10910	0.396	ug/L	100
55) m,p-xylene	9.16	106	4039	0.391	ug/L	93
56) o-xylene	9.56	106	3702	0.374	ug/L	92
57) Styrene	9.59	104	6037	0.354	ug/L	99
58) Isopropylbenzene	9.95	105	9634	0.361	ug/L	97
60) 1,1,2,2-Tetrachloroethane	10.26	83	2039	0.442	ug/L #	91
62) Bromoform	9.76	173	619	0.412	ug/L #	88
63) 1,3-Dichlorobenzene	11.21	146	4652	0.415	ug/L	93
64) 1,4-Dichlorobenzene	11.30	146	5306	0.476	ug/L	92
66) 1,2-Dichlorobenzene	11.67	146	4578	0.455	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	304	0.468	ug/L #	43
68) 1,3,5-Trichlorobenzene	12.67	180	3461	0.433	ug/L	97
69) 1,2,4-trichlorobenzene	13.29	180	3110	0.468	ug/L	98
70) Naphthalene	13.53	128	10993	0.850	ug/L	97
71) 1,2,3-Trichlorobenzene	13.77	180	2523	0.418	ug/L	87

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



#2

Dichlorodifluoromethane

Concen: 0.473 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

Instrument :

MSVOA_V

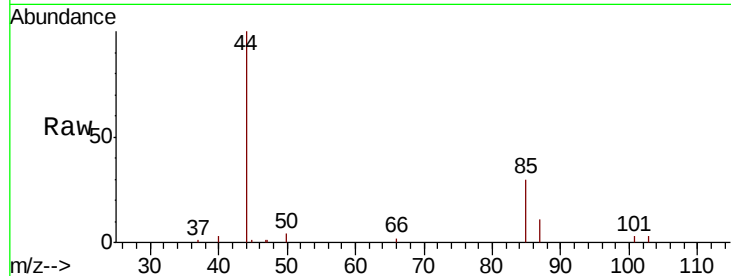
ClientSampleId :

Tot Ion: 85 Resp: 3100

Ion Ratio Lower Upper

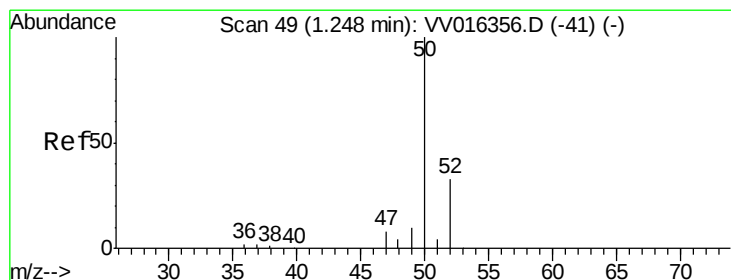
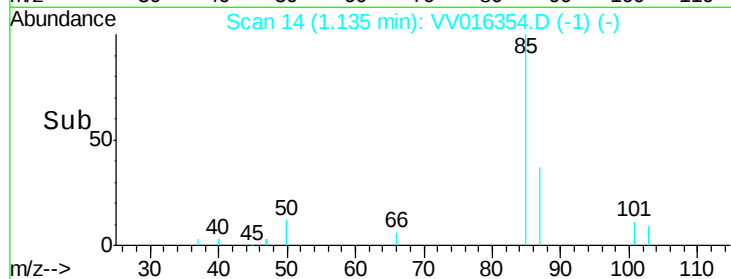
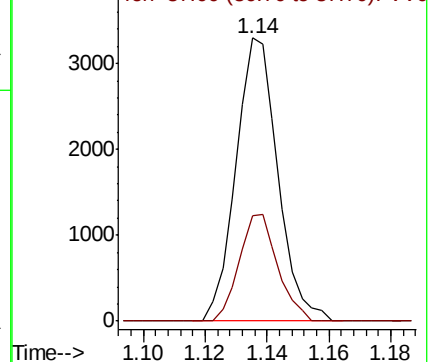
85 100

87 34.5 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: 0.553 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016354.D

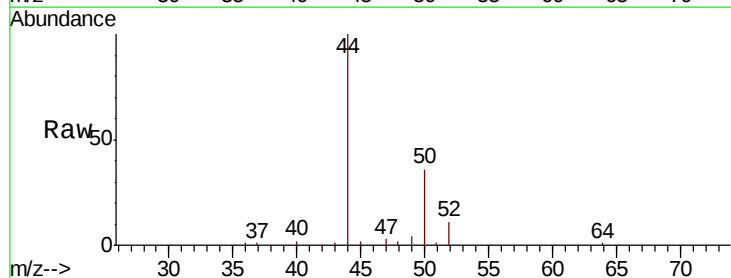
Acq: 30 May 2020 12:42

Tgt Ion: 50 Resp: 4216

Ion Ratio Lower Upper

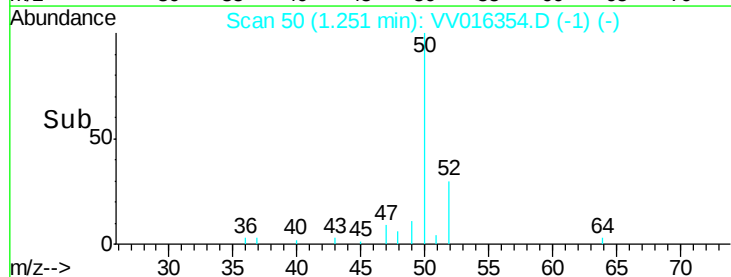
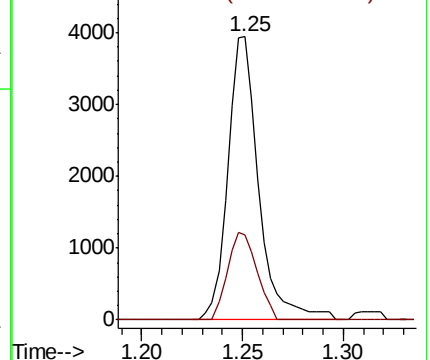
50 100

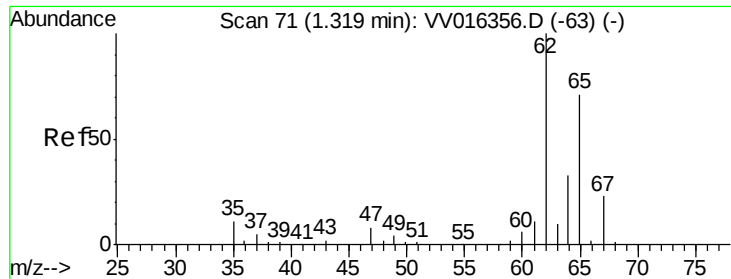
52 29.9 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.464 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

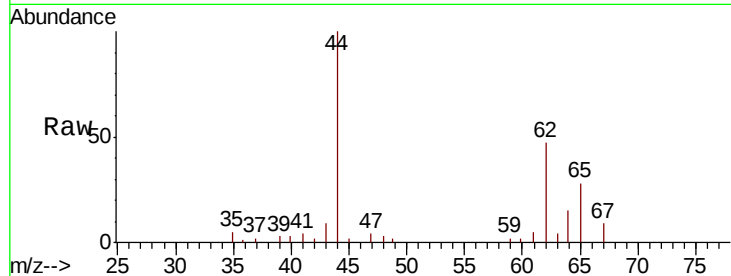
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 3322

Ion Ratio Lower Upper

62 100

64 31.8 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

4000

3000

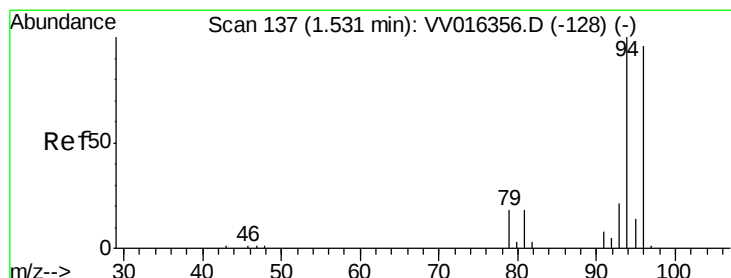
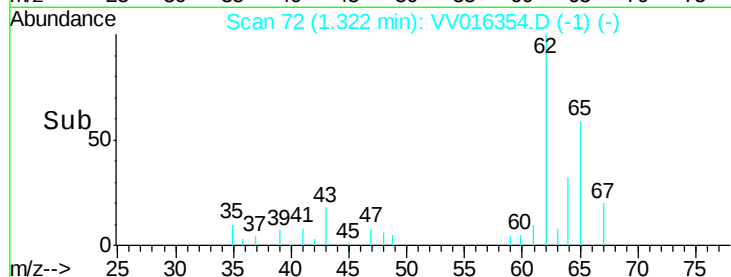
2000

1000

0

Time-->

1.28 1.30 1.32 1.34 1.36



#6

Bromomethane

Concen: 0.465 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016354.D

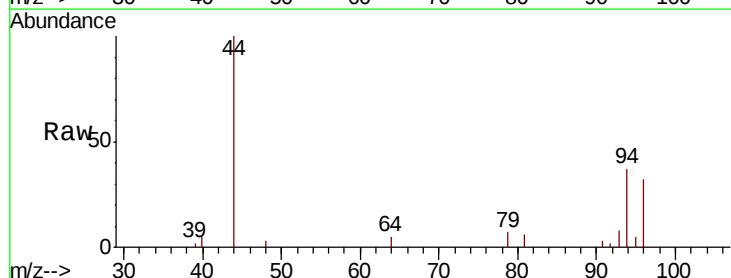
Acq: 30 May 2020 12:42

Tgt Ion: 94 Resp: 1839

Ion Ratio Lower Upper

94 100

96 87.8 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

2000

1500

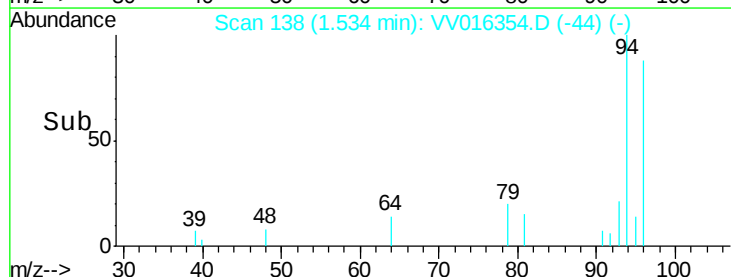
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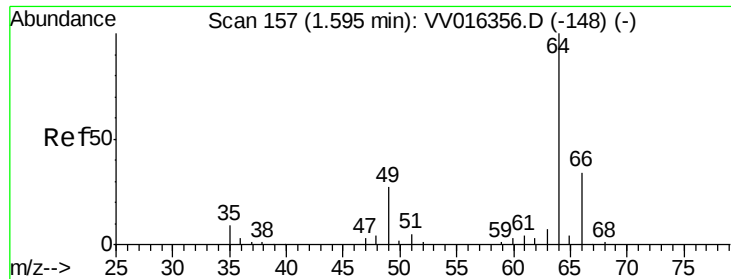
500

0

Time-->

1.50 1.52 1.54 1.56





#8

Chloroethane

Concen: 0.483 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

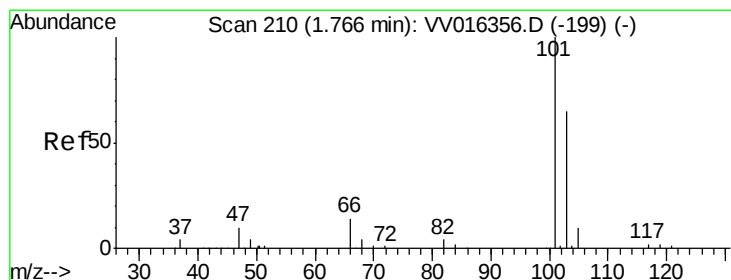
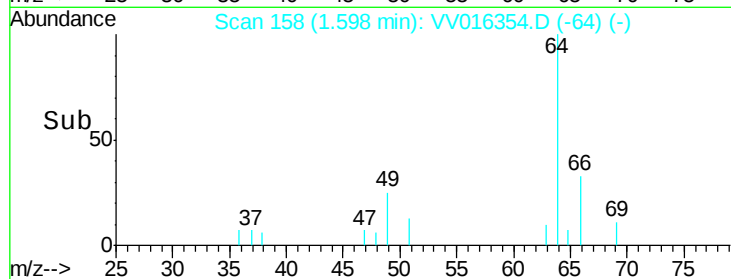
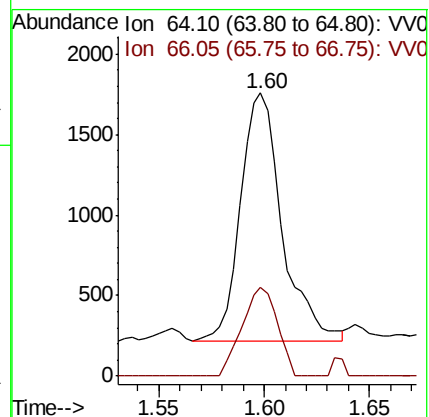
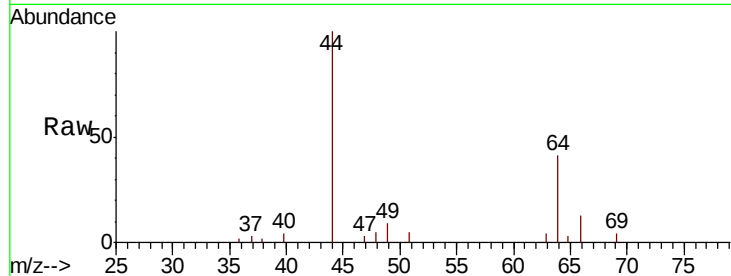
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 2110

Ion Ratio Lower Upper

64 100

66 29.3 23.4 43.6



#9

Trichlorofluoromethane

Concen: 0.461 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV016354.D

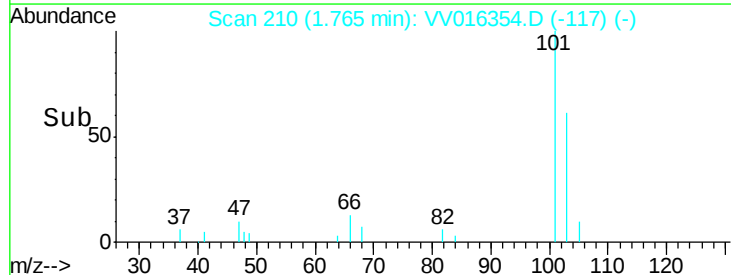
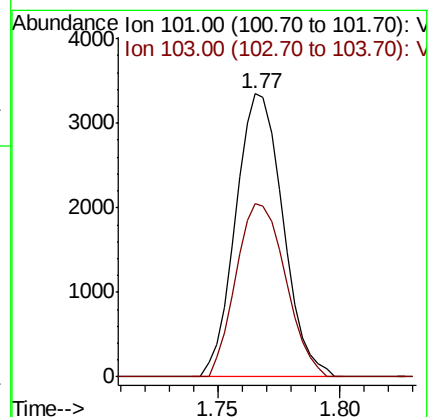
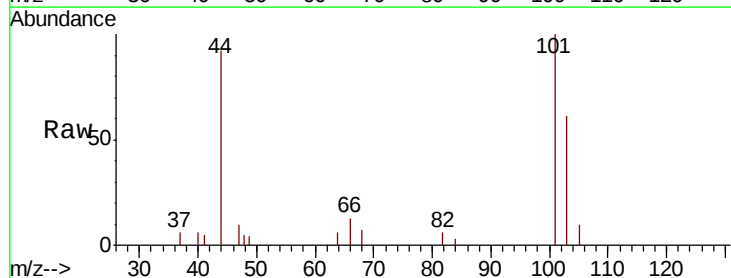
Acq: 30 May 2020 12:42

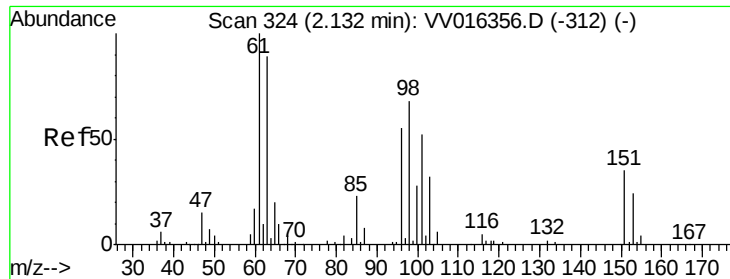
Tgt Ion: 101 Resp: 4508

Ion Ratio Lower Upper

101 100

103 64.2 52.2 78.4





#10

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

Concen: 0.461 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

Instrument :

MSVOA_V

ClientSampleId :

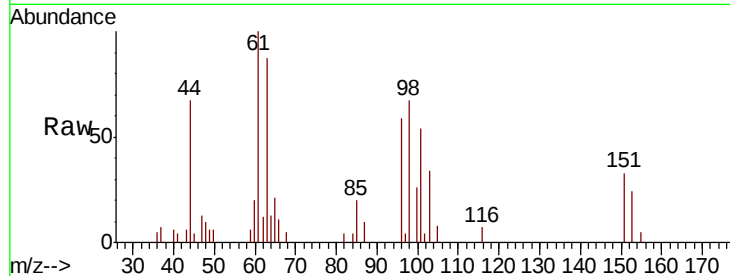
Tot Ion:101 Resp: 2523

Ion Ratio Lower Upper

101 100

85 40.6 35.7 53.5

151 62.7 57.2 85.8

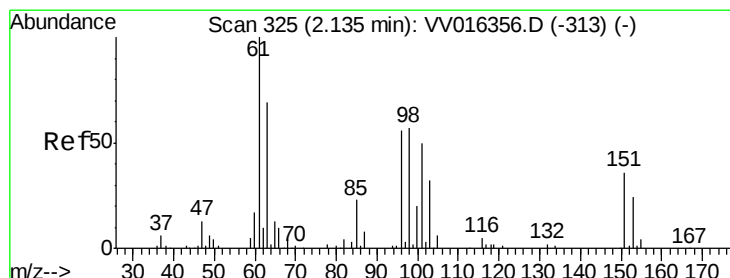
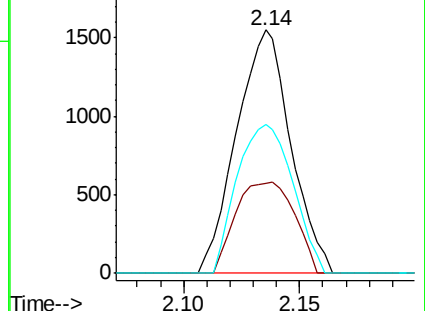
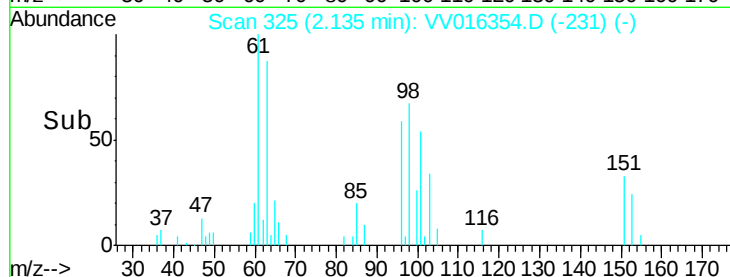


Abundance Ion 101.00 (100.70 to 101.70): VV016354.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV016354.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV016354.D (-231) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 0.471 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

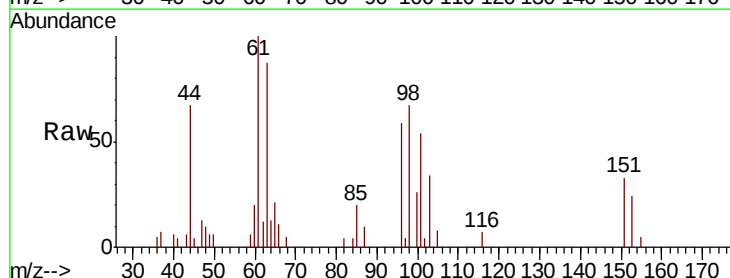
Tgt Ion: 96 Resp: 2413

Ion Ratio Lower Upper

96 100

61 170.7 125.4 233.0

63 149.3 88.2 163.8

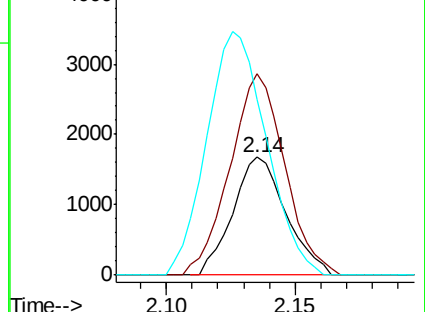
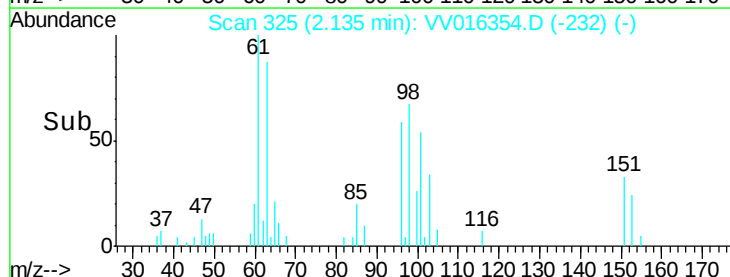


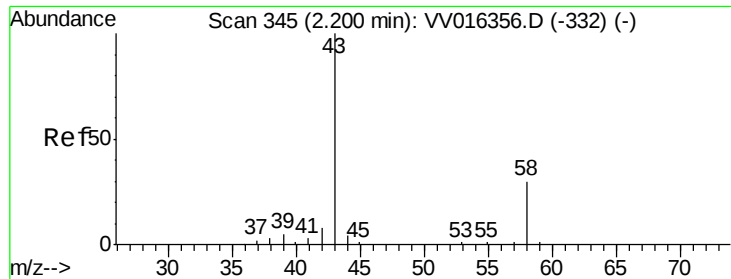
Abundance Ion 96.00 (95.70 to 96.70): VV016354.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV016354.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016354.D (-232) (-)

Time-->





#13

Acetone

Concen: 7.784 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

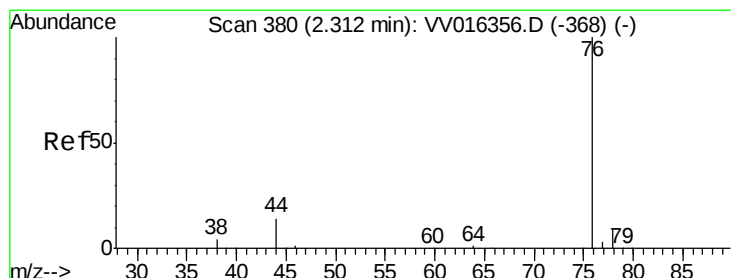
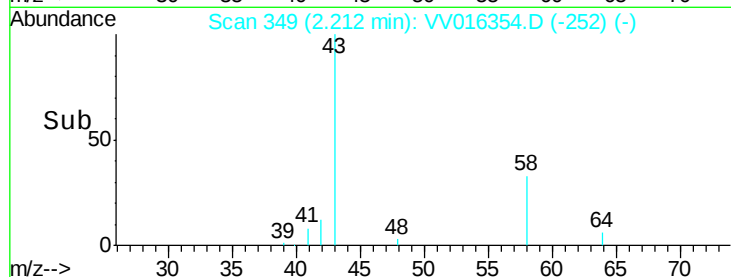
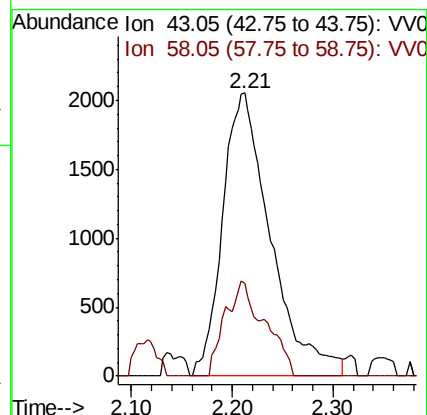
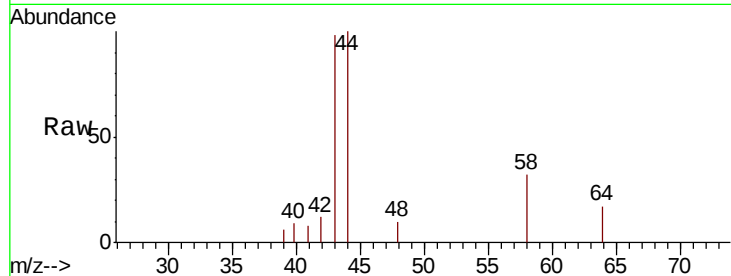
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 6807

Ion Ratio Lower Upper

43 100

58 27.6 0.0 59.2



#14

Carbon disulfide

Concen: 0.464 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV016354.D

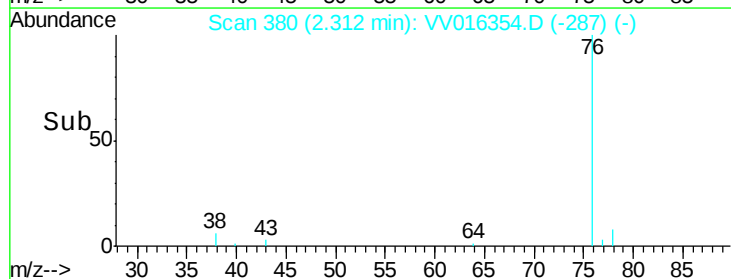
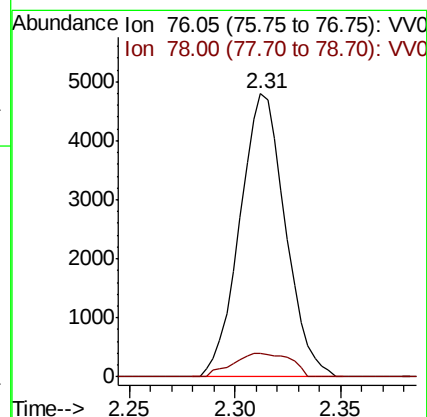
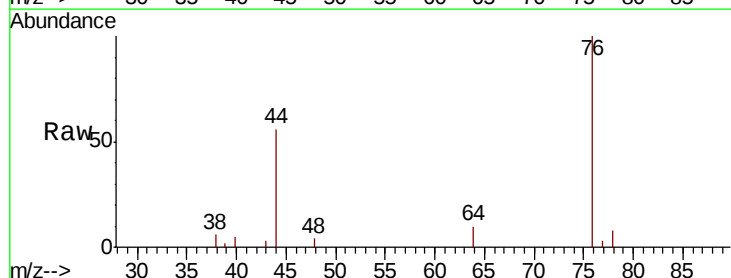
Acq: 30 May 2020 12:42

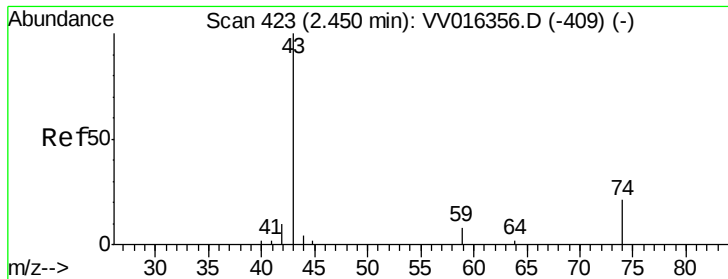
Tgt Ion: 76 Resp: 7180

Ion Ratio Lower Upper

76 100

78 8.4 6.8 10.2





#15

Methyl Acetate

Concen: 0.680 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

Instrument :

MSVOA_V

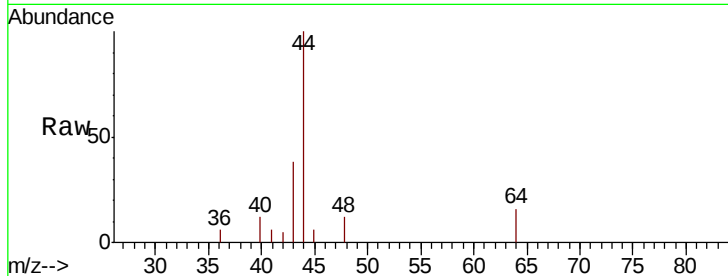
ClientSampleId :

Tot Ion: 43 Resp: 1513

Ion Ratio Lower Upper

43 100

74 7.2 18.6 28.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.45

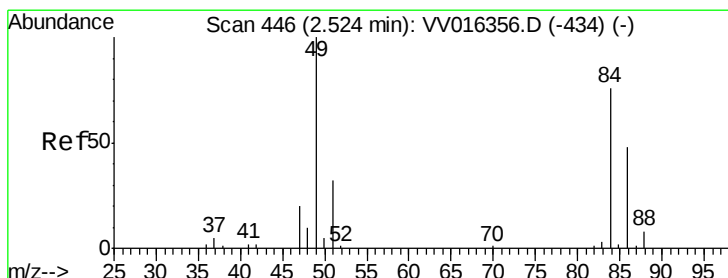
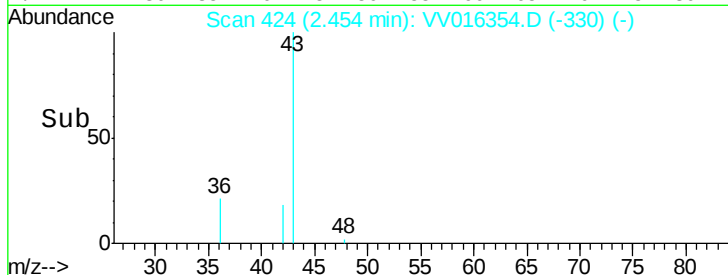
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 0.496 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

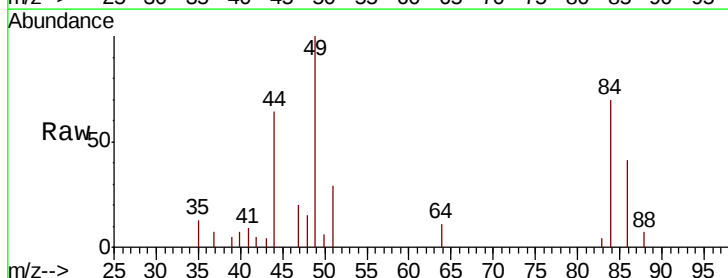
Tgt Ion: 84 Resp: 2672

Ion Ratio Lower Upper

84 100

86 58.7 44.5 82.7

49 143.0 92.3 171.3



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

3000

2500

2000

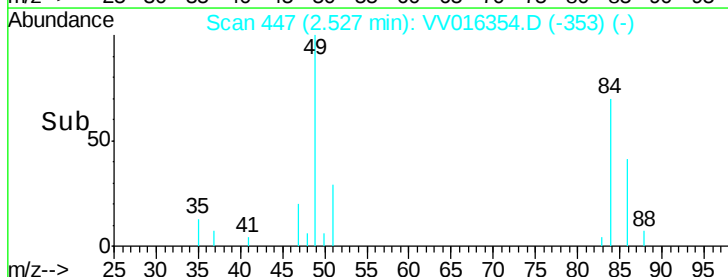
1500

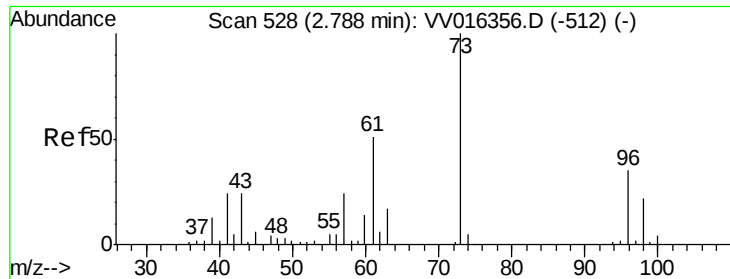
1000

500

0

Time-->



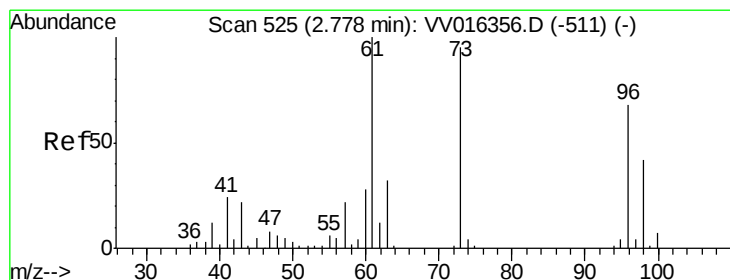
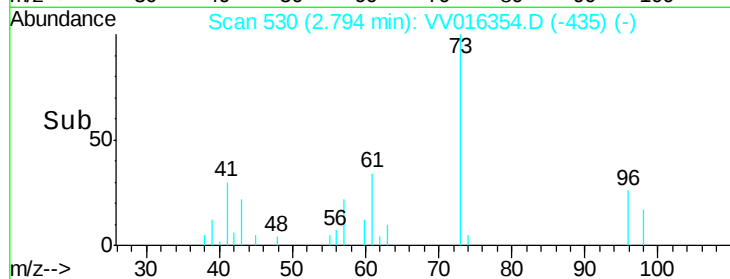
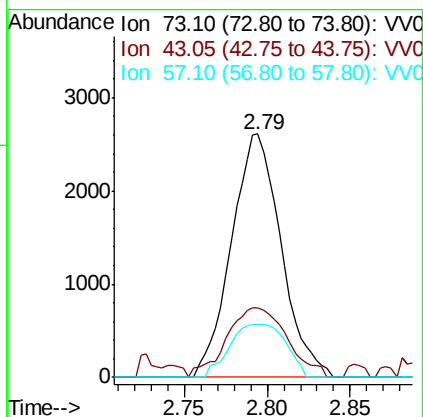
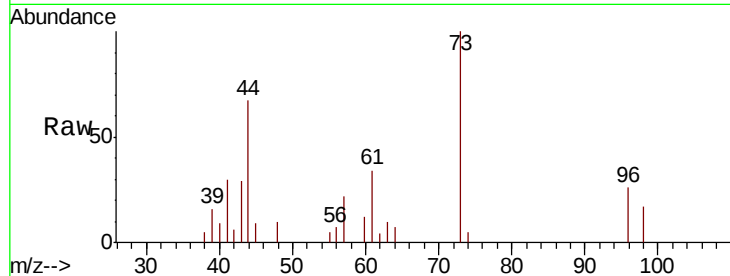


#17

Methvl tert-butvl Ether
 Concen: 0.453 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

Instrument :
 MSVOA_V
 ClientSampleId :

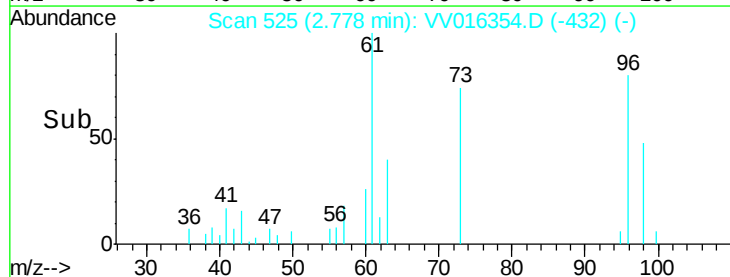
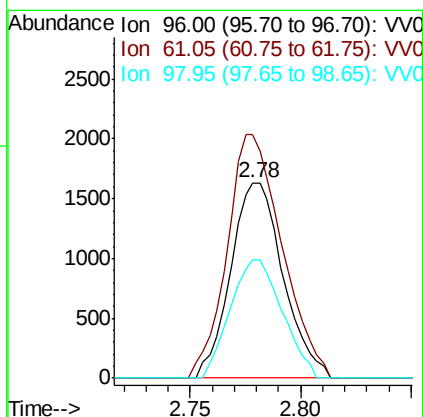
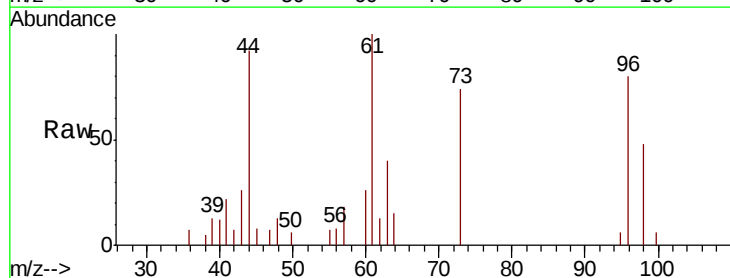
Tot Ion: 73 Resp: 5434
 Ion Ratio Lower Upper
 73 100
 43 34.9 19.4 29.0#
 57 24.6 18.4 27.6

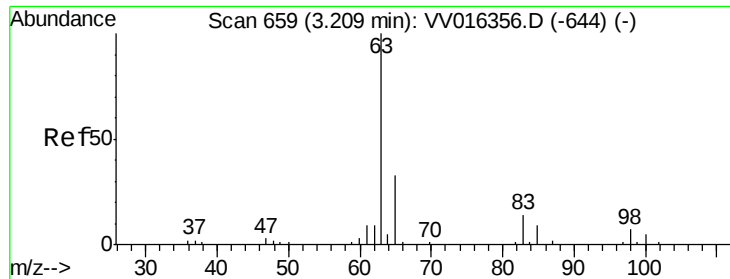


#18

trans-1,2-Dichloroethene
 Concen: 0.501 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

Tgt Ion: 96 Resp: 2690
 Ion Ratio Lower Upper
 96 100
 61 124.8 103.1 191.5
 98 60.4 43.0 79.8

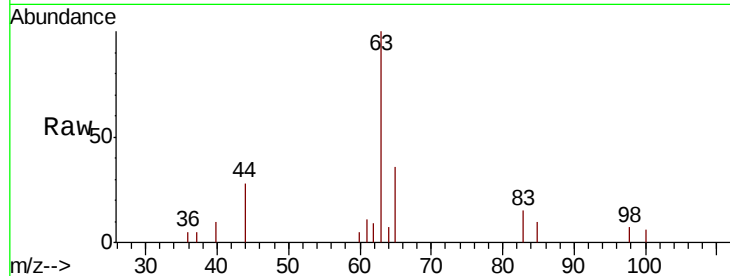




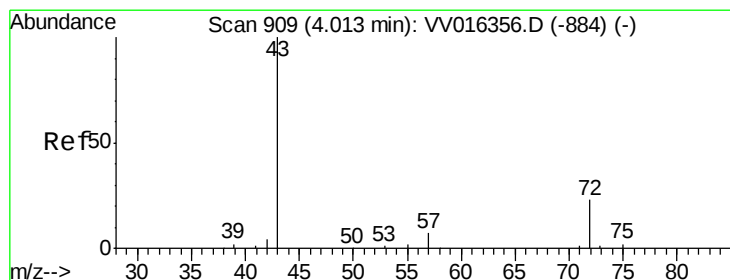
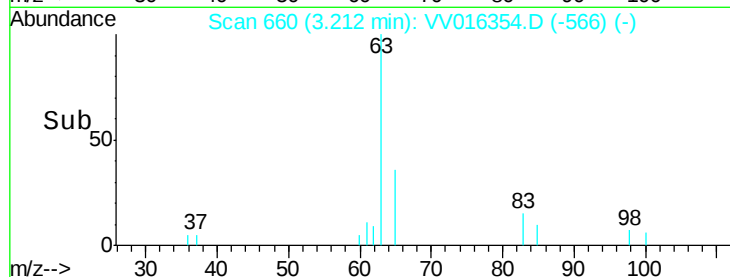
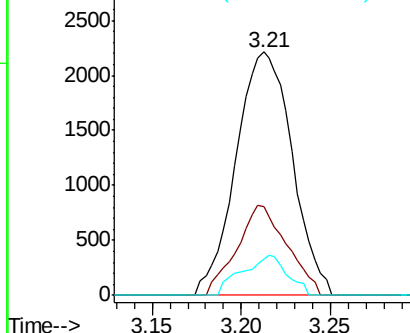
#19
 1,1-Dichloroethane
 Concen: 0.451 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 4859
 Ion Ratio Lower Upper
 63 100
 65 36.4 23.3 43.3
 83 14.9 9.9 18.3

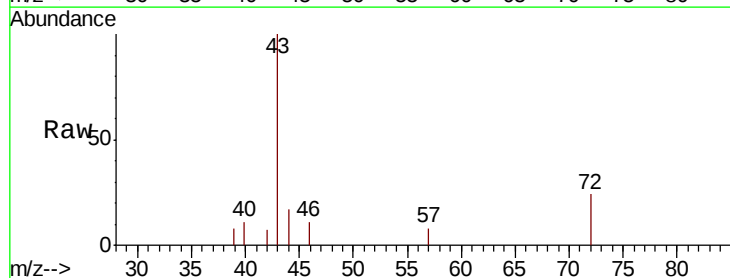


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

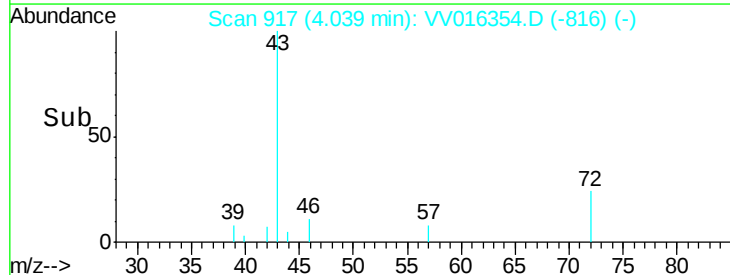
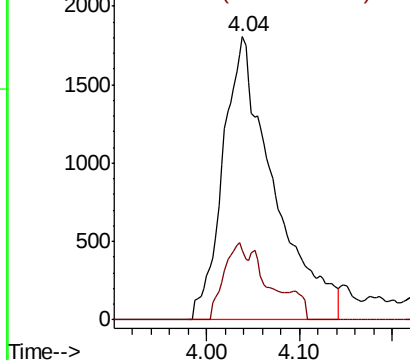


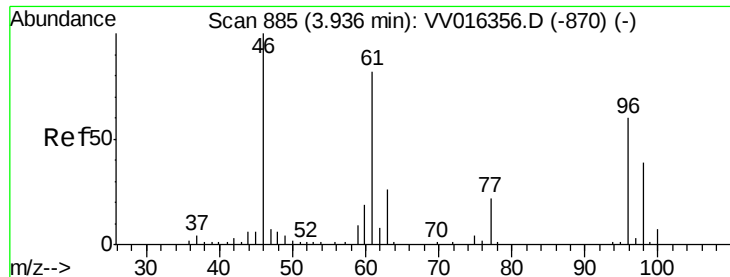
#21
 2-Butanone
 Concen: 4.489 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. 0.03 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

Tgt Ion: 43 Resp: 6858
 Ion Ratio Lower Upper
 43 100
 72 12.3 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



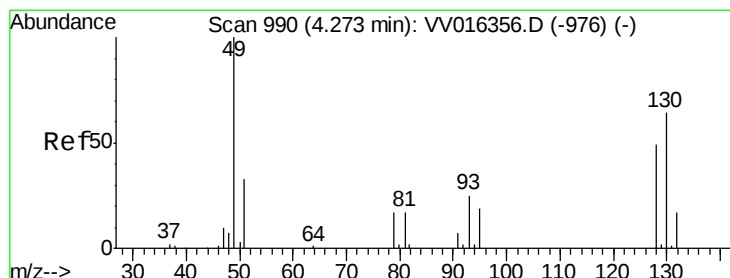
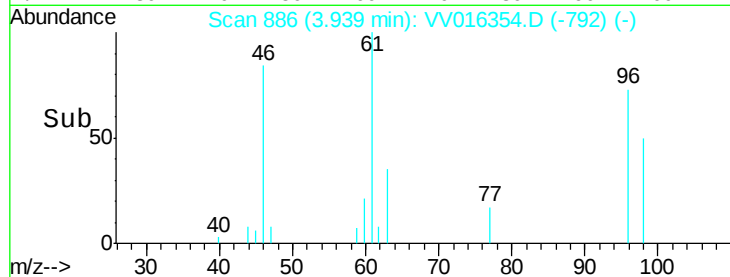
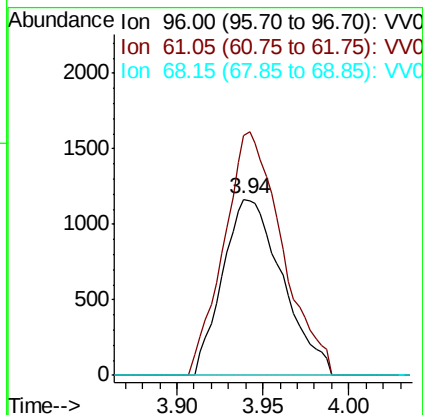
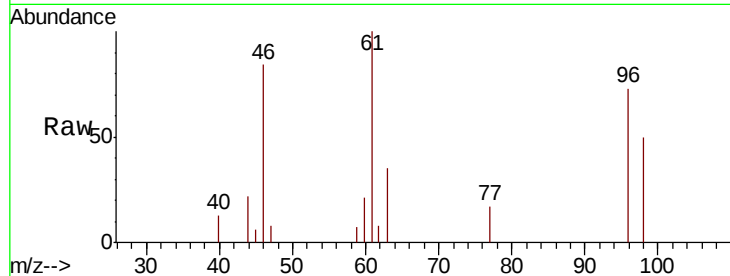


#22

cis-1,2-Dichloroethene
Concen: 0.478 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV016354.D
Acq: 30 May 2020 12:42

Instrument :
MSVOA_V
ClientSampleId :

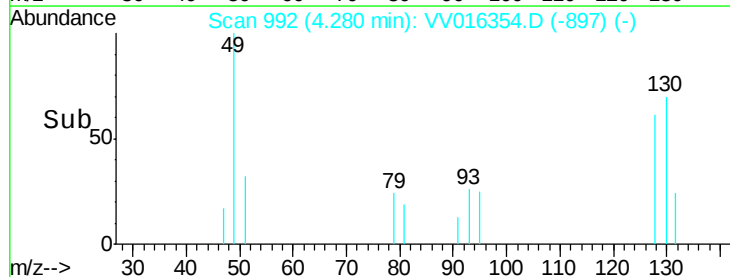
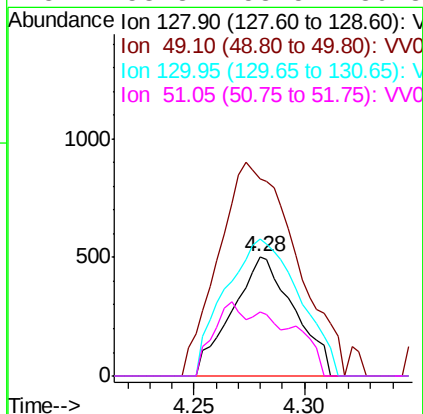
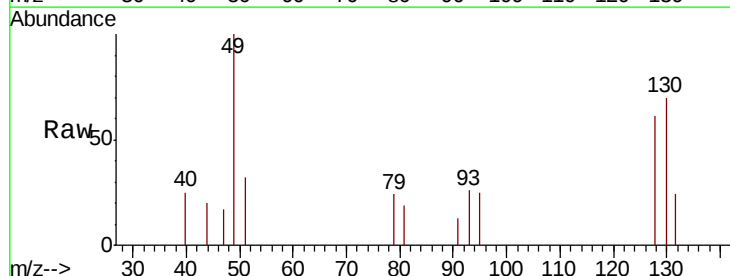
Tot Ion: 96 Resp: 2816
Ion Ratio Lower Upper
96 100
61 136.4 94.8 176.0
68 0.0 0.0 0.0

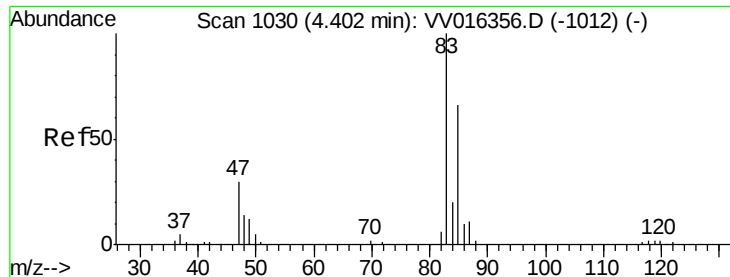


#23

Bromochloromethane
Concen: 0.412 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.01 min
Lab File: VV016354.D
Acq: 30 May 2020 12:42

Tgt Ion: 128 Resp: 979
Ion Ratio Lower Upper
128 100
49 165.2 141.5 262.9
130 115.1 90.4 167.8
51 53.3 53.5 80.3#

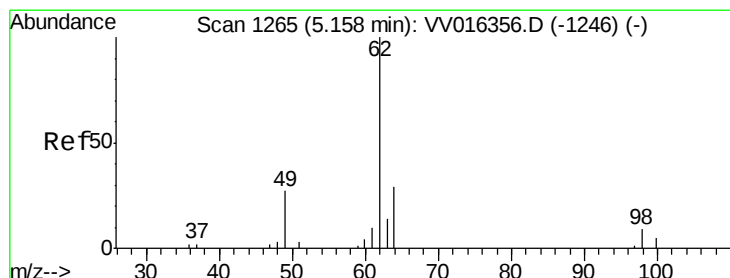
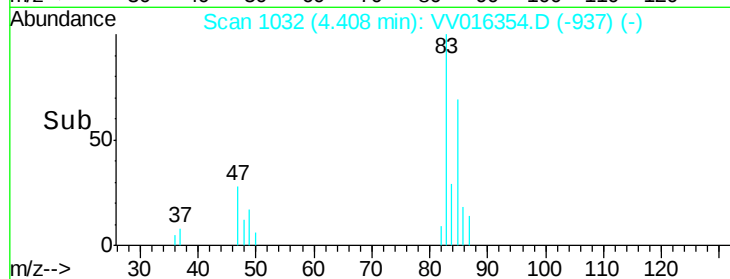
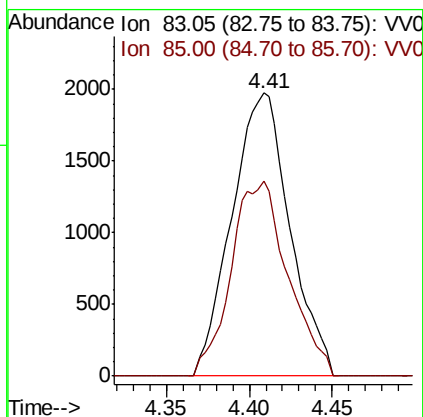
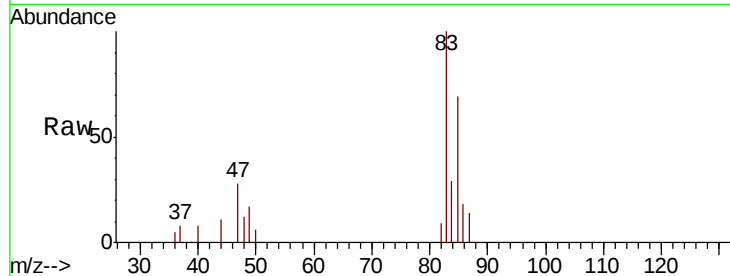




#25
Chloroform
Concen: 0.448 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV016354.D
Acq: 30 May 2020 12:42

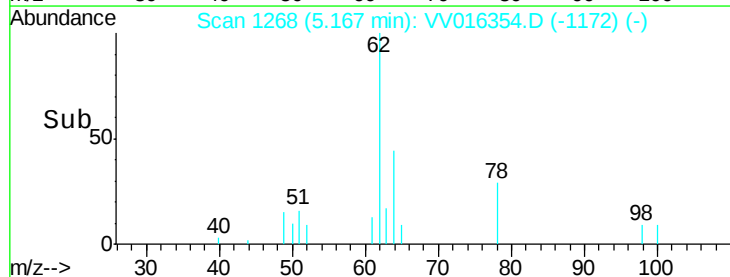
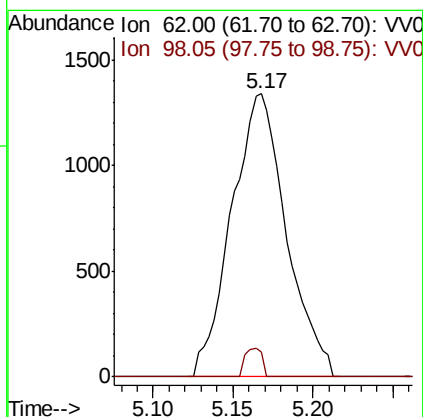
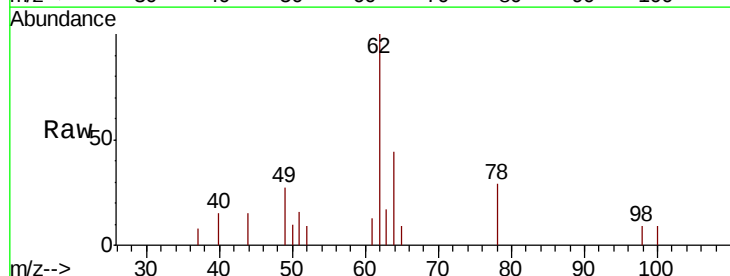
Instrument :
MSVOA_V
ClientSampled :

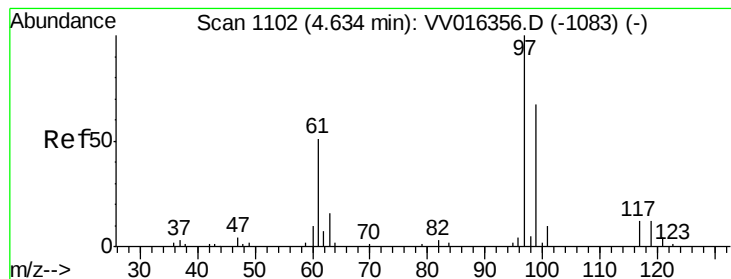
Tot Ion: 83 Resp: 4822
Ion Ratio Lower Upper
83 100
85 69.0 45.8 85.2



#27
1,2-Dichloroethane
Concen: 0.437 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VV016354.D
Acq: 30 May 2020 12:42

Tgt Ion: 62 Resp: 3146
Ion Ratio Lower Upper
62 100
98 8.6 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 0.411 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.01 min

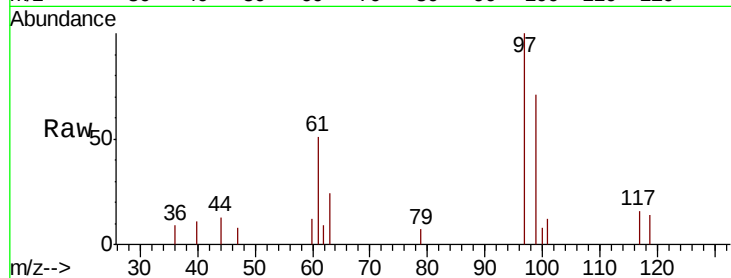
Lab File: VV016354.D

Acq: 30 May 2020 12:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 3796

Ion	Ratio	Lower	Upper
97	100		
99	68.9	52.0	78.0
61	53.4	39.8	59.6

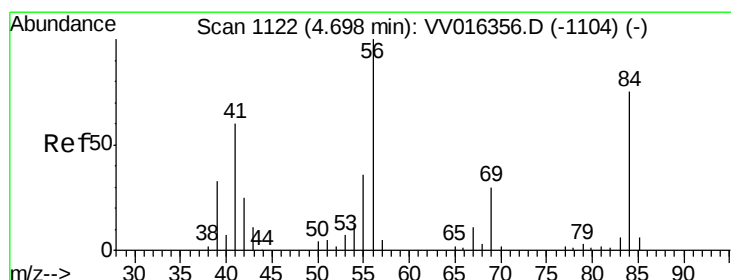
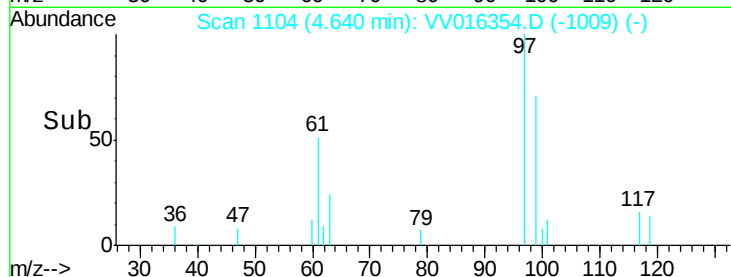
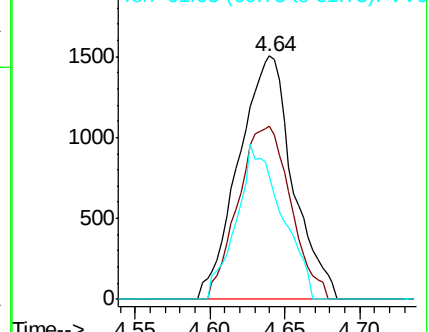


Abundance

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: 0.424 ug/L

RT: 4.71 min Scan# 1125

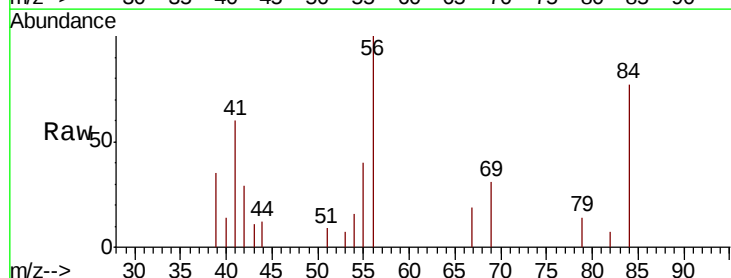
Delta R.T. 0.01 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

Tgt Ion: 56 Resp: 4183

Ion	Ratio	Lower	Upper
56	100		
69	33.1	23.5	35.3
84	40.9	65.8	98.8#

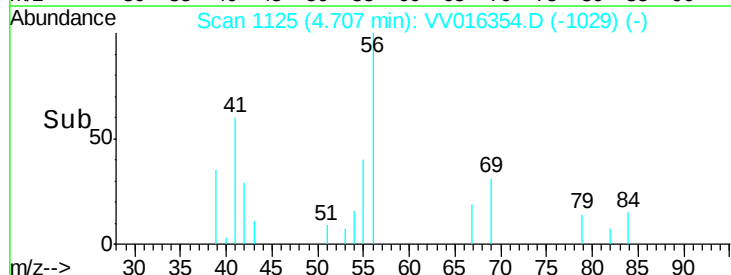
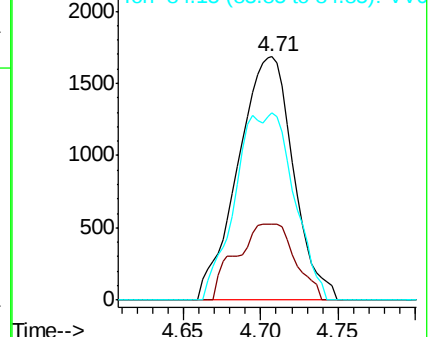


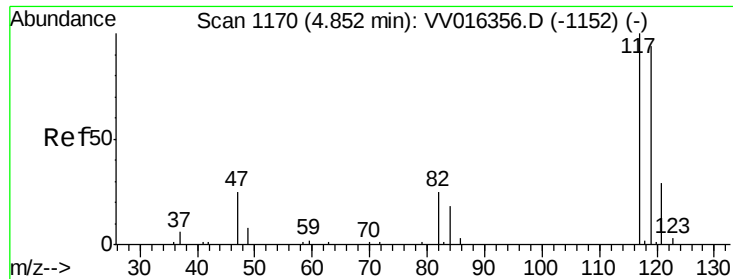
Abundance

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: 0.421 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

Instrument :

MSVOA_V

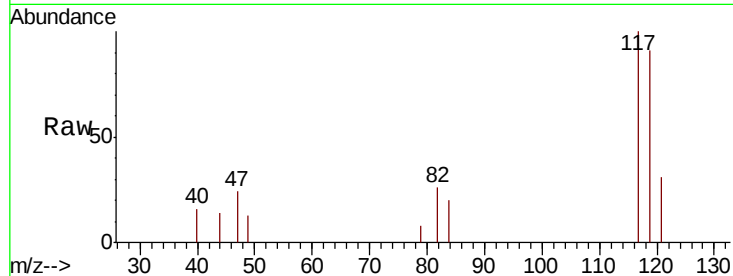
ClientSampleId :

Tot Ion:117 Resp: 3372

Ion Ratio Lower Upper

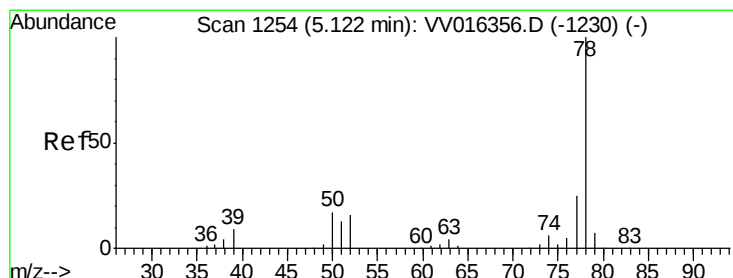
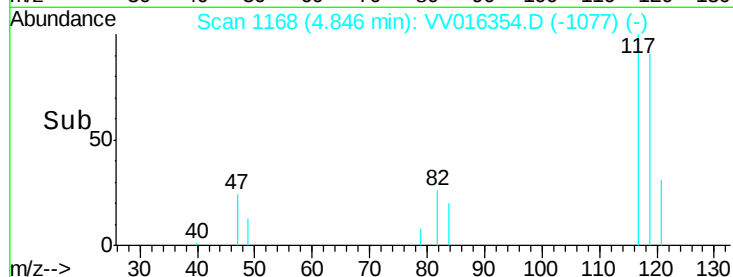
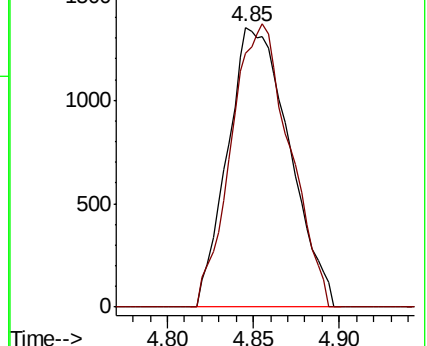
117 100

119 95.8 75.3 112.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.456 ug/L

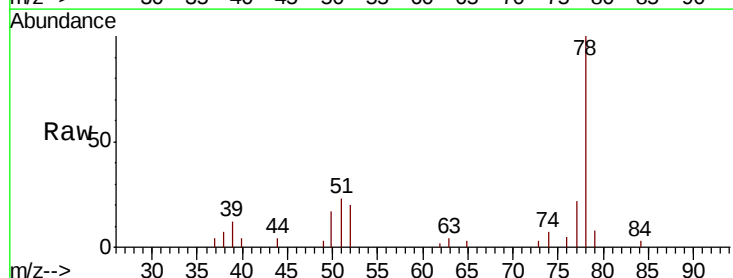
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

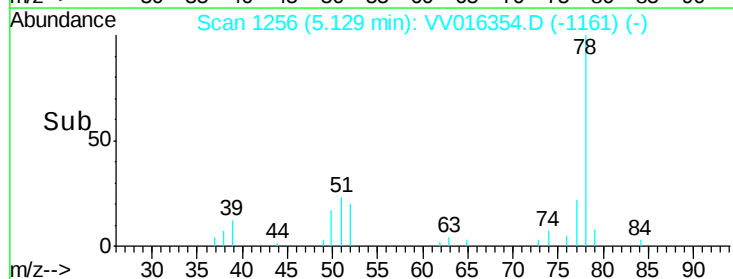
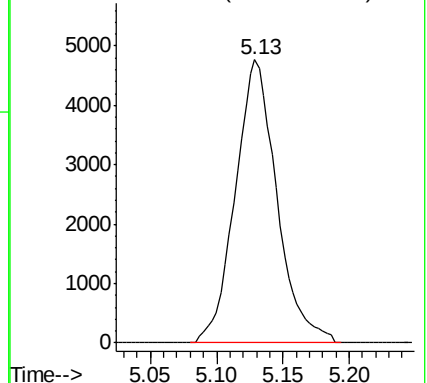
Lab File: VV016354.D

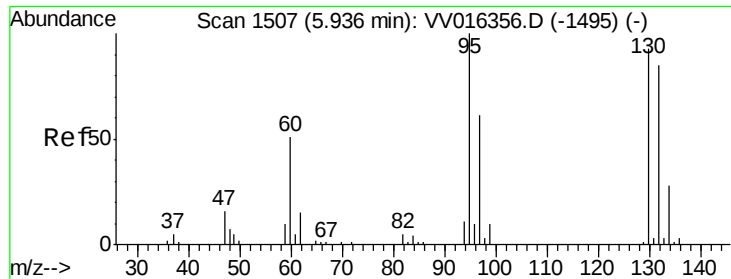
Acq: 30 May 2020 12:42

Tgt Ion: 78 Resp: 10408



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.456 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 2744

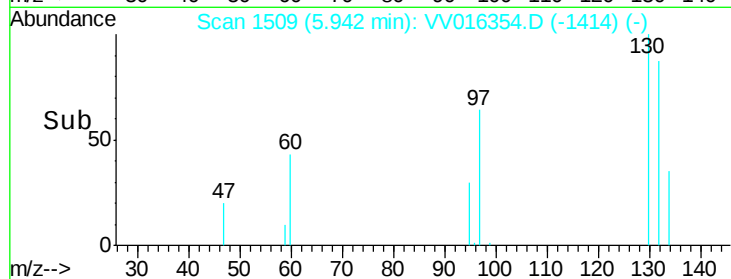
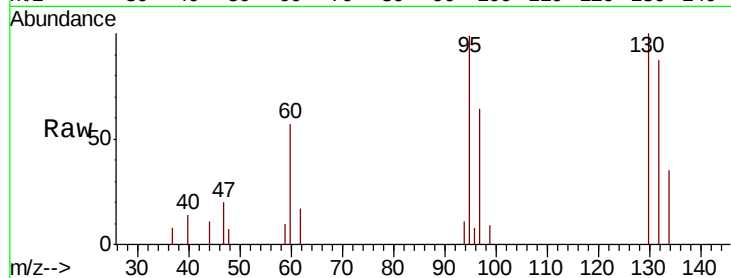
Ion Ratio Lower Upper

95 100

97 64.0 42.6 79.0

132 87.7 59.6 110.8

130 100.6 64.8 120.4



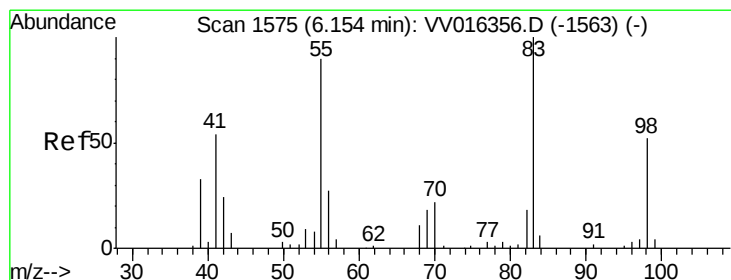
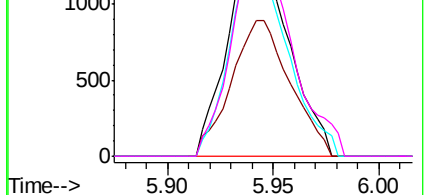
Abundance Ion 95.00 (94.70 to 95.70): VV016356.D (-1495) (-)

Ion 96.95 (96.65 to 97.65): VV016356.D (-1495) (-)

Ion 131.95 (131.65 to 132.65): VV016356.D (-1495) (-)

Ion 129.95 (129.65 to 130.65): VV016356.D (-1495) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.446 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

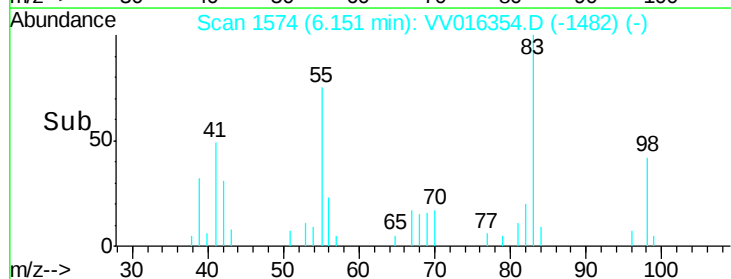
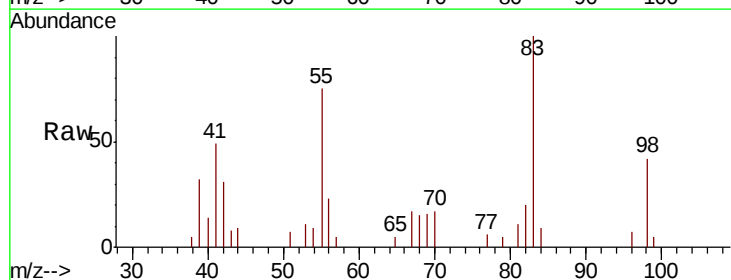
Tgt Ion: 83 Resp: 4282

Ion Ratio Lower Upper

83 100

55 85.8 67.0 100.4

98 46.2 39.0 58.4

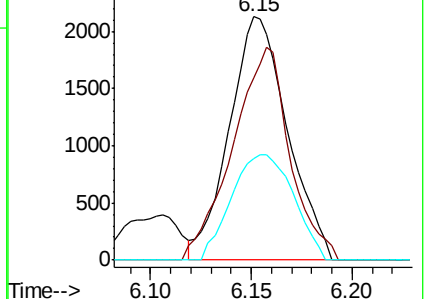


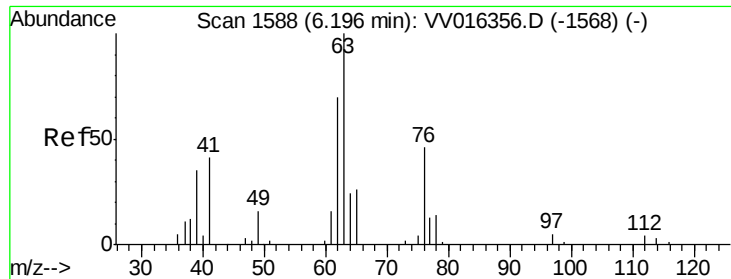
Abundance Ion 83.15 (82.85 to 83.85): VV016356.D (-1563) (-)

Ion 55.10 (54.80 to 55.80): VV016356.D (-1563) (-)

Ion 98.15 (97.85 to 98.85): VV016356.D (-1563) (-)

Time-->

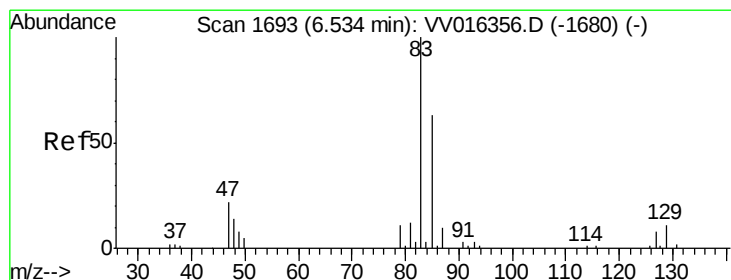
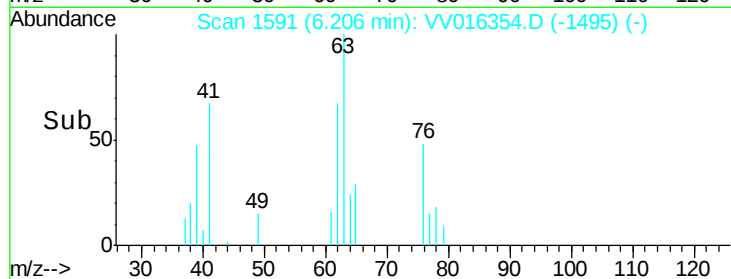
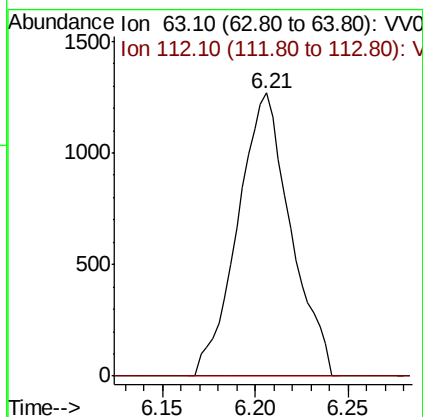
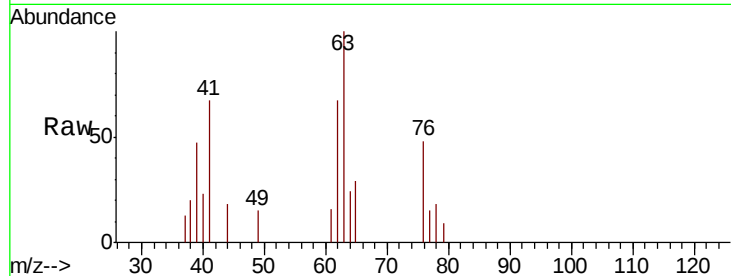




#37
 1,2-Dichloropropane
 Concen: 0.422 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

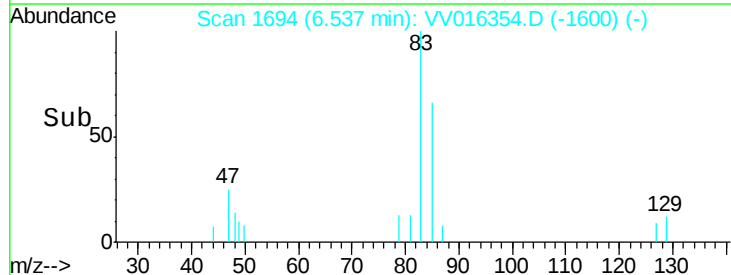
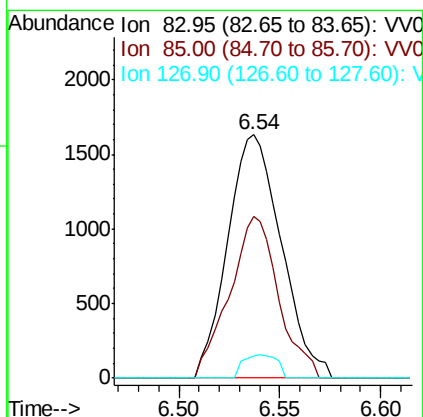
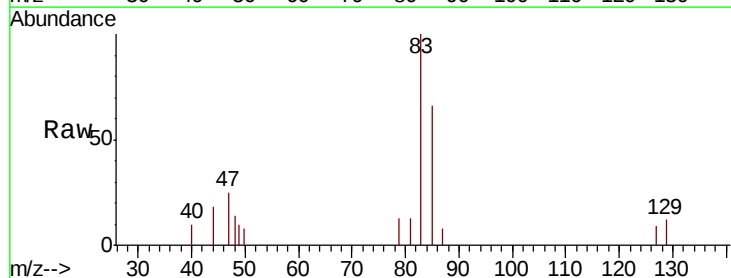
Instrument :
 MSVOA_V
 ClientSampled :

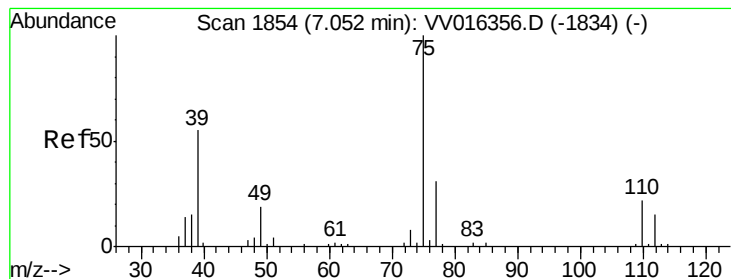
Tot Ion: 63 Resp: 2524
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#38
 Bromodichloromethane
 Concen: 0.436 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

Tgt Ion: 83 Resp: 3037
 Ion Ratio Lower Upper
 83 100
 85 66.3 44.2 82.2
 127 9.2 6.3 9.5



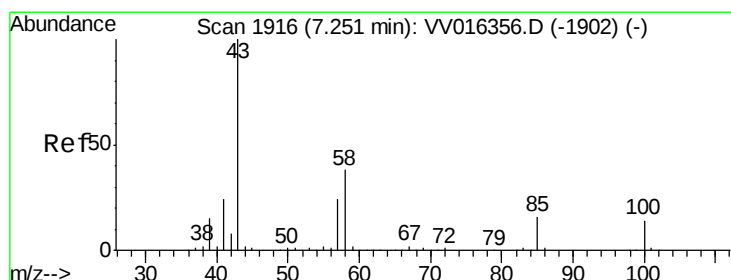
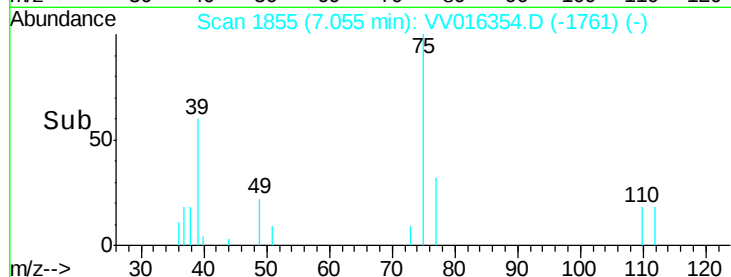
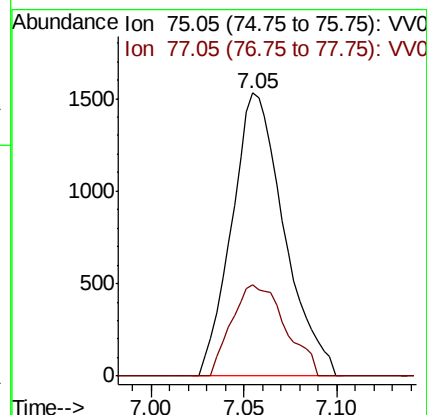
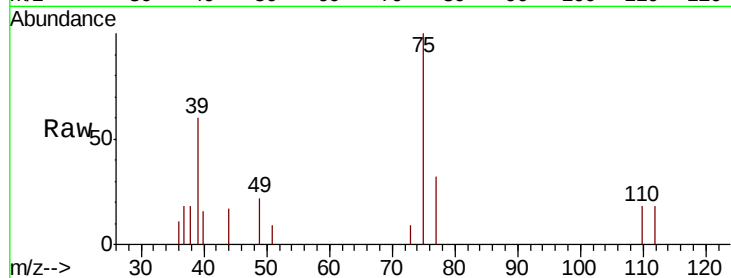


#39

cis-1,3-Dichloropropene
 Concen: 0.394 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

Instrument :
 MSVOA_V
 ClientSampleId :

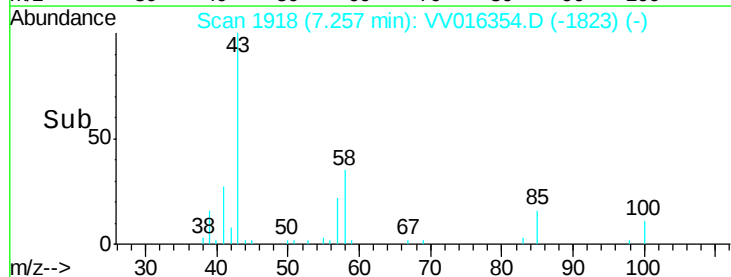
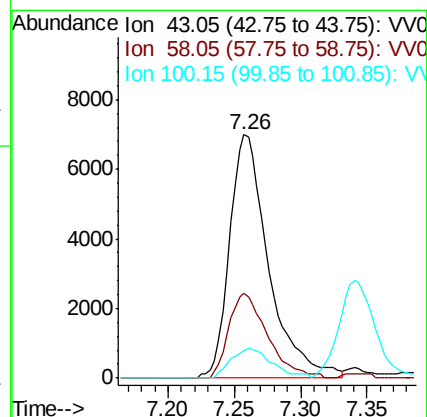
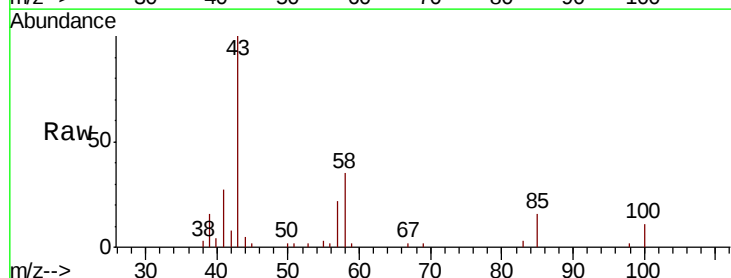
Tot Ion: 75 Resp: 3006
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.0 41.0

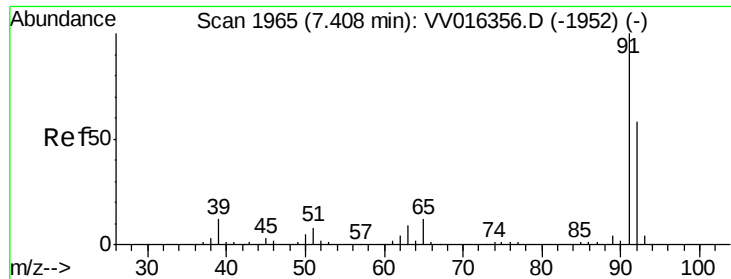


#40

4-Methyl-2-pentanone
 Concen: 4.029 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

Tgt Ion: 43 Resp: 14350
 Ion Ratio Lower Upper
 43 100
 58 34.5 29.5 44.3
 100 12.7 11.0 16.6





#42

Toluene

Concen: 0.403 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

Instrument :

MSVOA_V

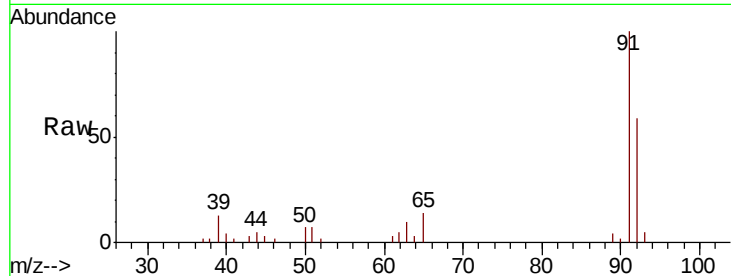
ClientSampleId :

Tot Ion: 91 Resp: 10096

Ion Ratio Lower Upper

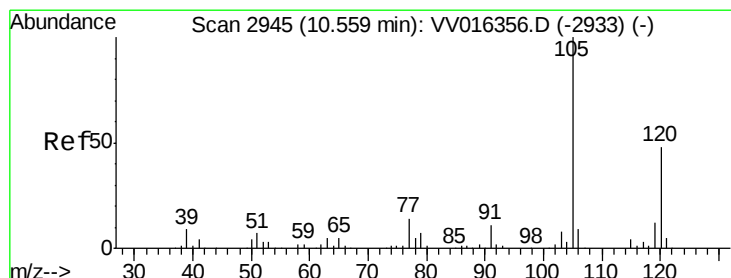
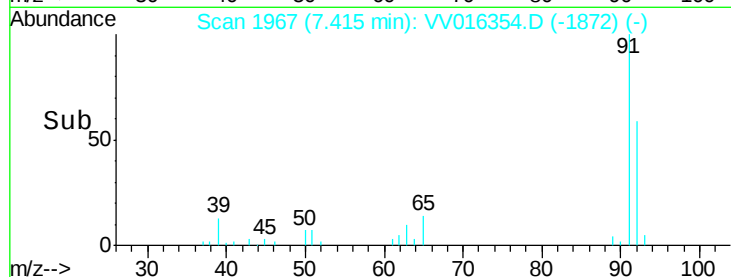
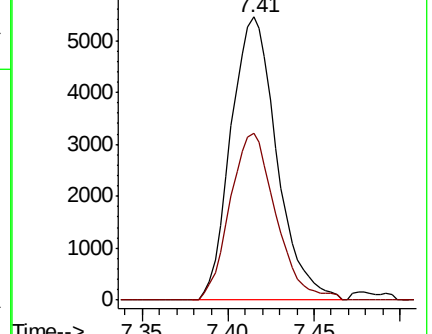
91 100

92 59.0 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV016356.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016356.D (-1952) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.325 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV016354.D

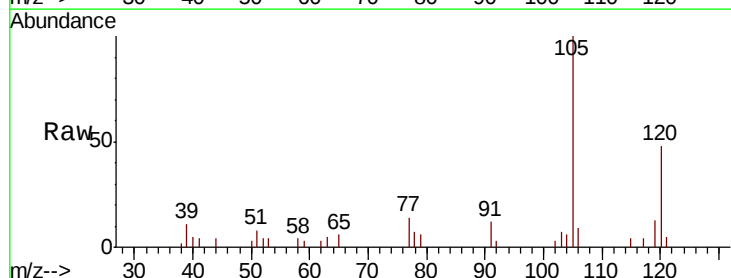
Acq: 30 May 2020 12:42

Tgt Ion: 105 Resp: 7482

Ion Ratio Lower Upper

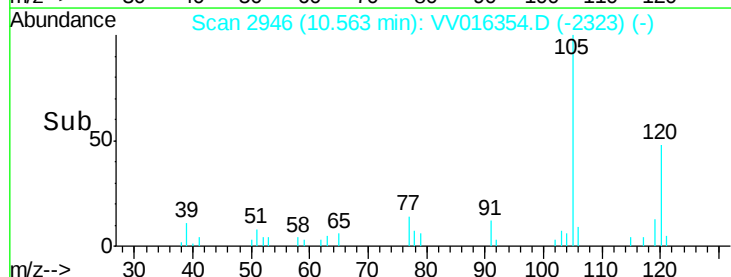
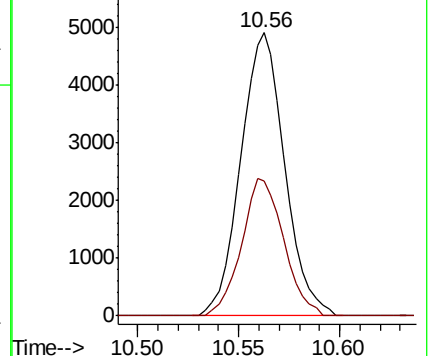
105 100

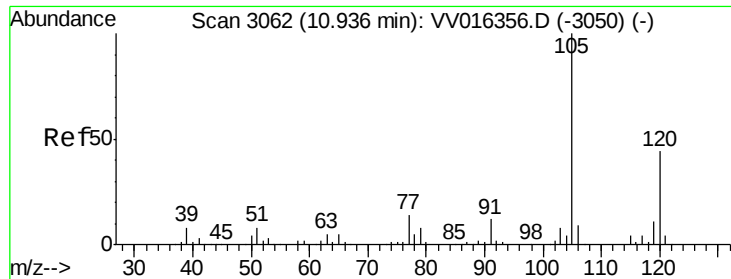
120 46.5 37.5 56.3



Abundance Ion 105.00 (104.70 to 105.70): VV016356.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV016356.D (-2933) (-)

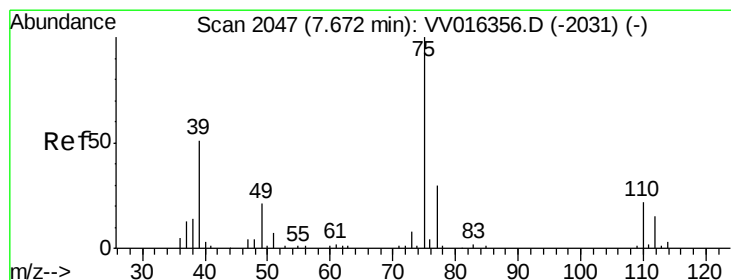
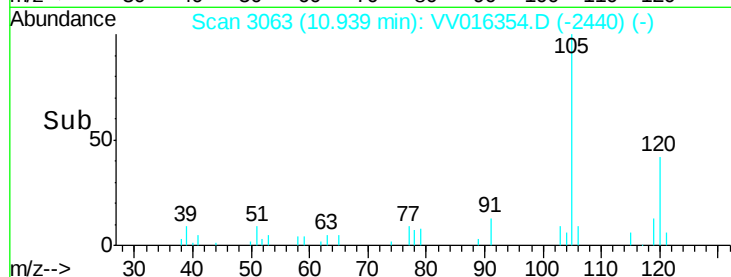
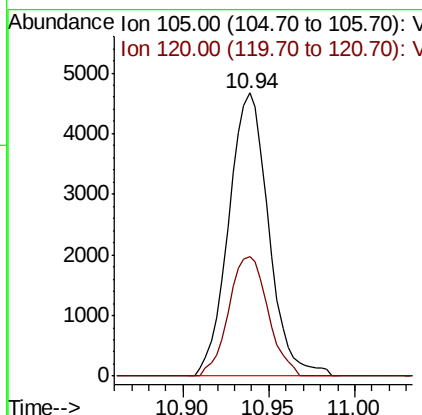
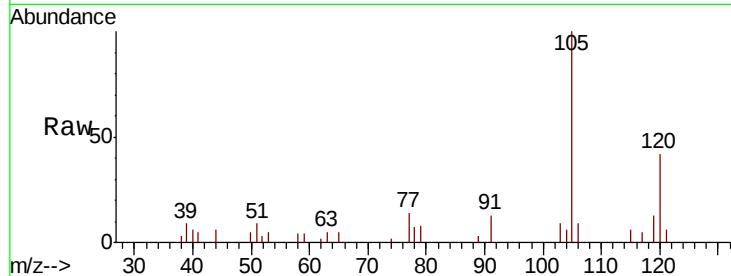




#44
 1,2,4-Trimethylbenzene
 Concen: 0.325 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

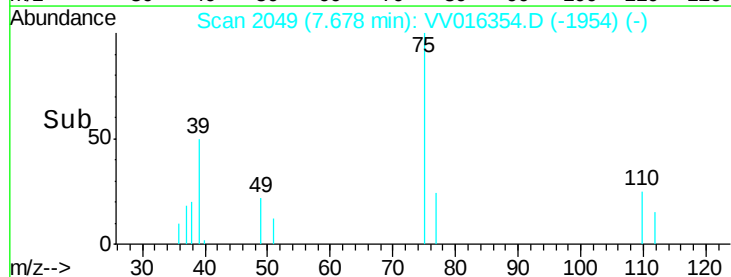
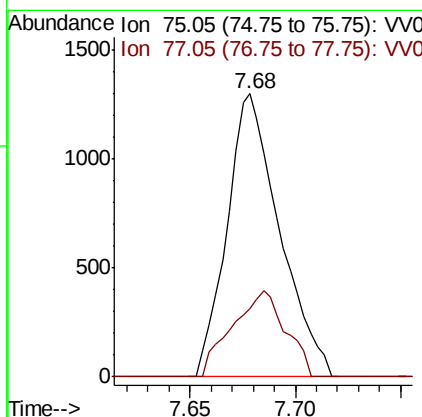
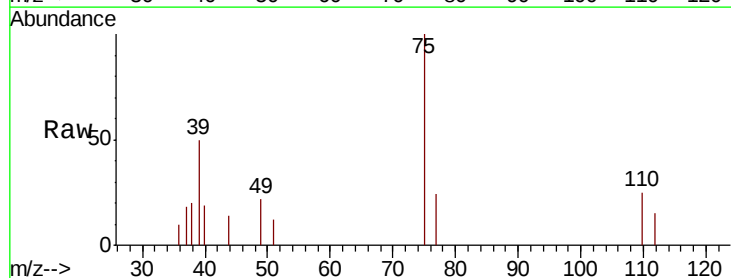
Instrument :
 MSVOA_V
 ClientSampleId :

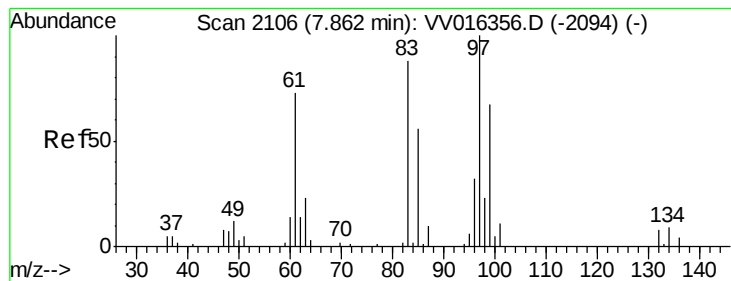
Tot Ion:105 Resp: 7569
 Ion Ratio Lower Upper
 105 100
 120 41.5 35.5 53.3



#46
 trans-1,3-Dichloropropene
 Concen: 0.342 ug/L
 RT: 7.68 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

Tgt Ion: 75 Resp: 2243
 Ion Ratio Lower Upper
 75 100
 77 24.1 21.1 39.3





#47

1,1,2-Trichloroethane

Concen: 0.437 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 1625

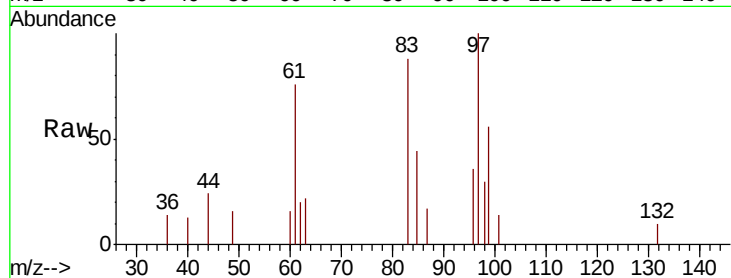
Ion Ratio Lower Upper

97 100

99 56.1 47.0 87.2

83 88.1 61.7 114.5

85 44.0 39.1 72.5

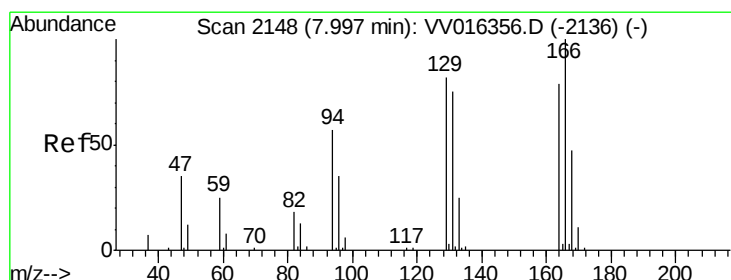
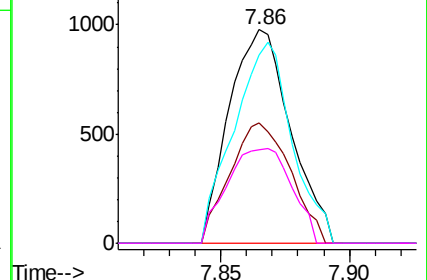
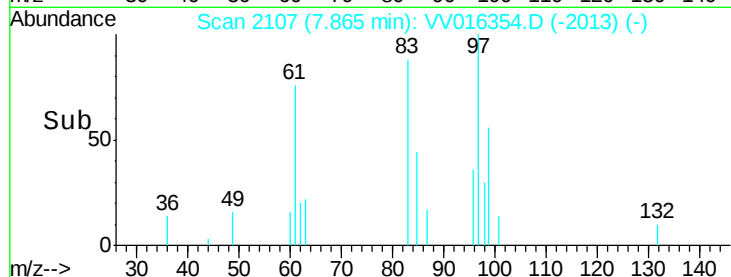


Abundance Ion 96.95 (96.65 to 97.65): VV016354.D (-2094) (-)

Ion 99.05 (98.75 to 99.75): VV016354.D (-2094) (-)

Ion 82.95 (82.65 to 83.65): VV016354.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV016354.D (-2094) (-)



#49

Tetrachloroethene

Concen: 0.484 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

Tgt Ion: 164 Resp: 2084

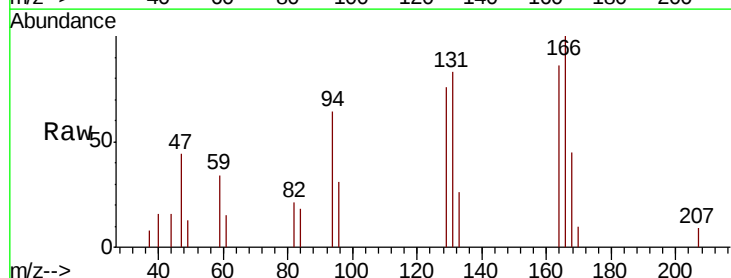
Ion Ratio Lower Upper

164 100

129 88.5 72.2 134.0

131 96.3 65.8 122.2

166 116.2 88.3 163.9

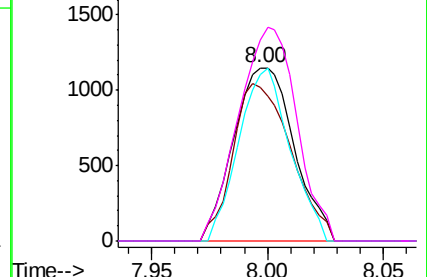
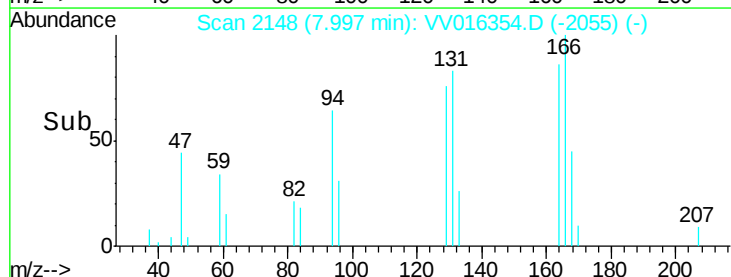


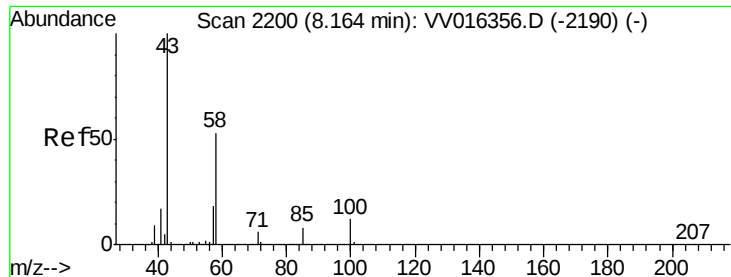
Abundance Ion 163.90 (163.60 to 164.60): VV016354.D (-2055) (-)

Ion 128.95 (128.65 to 129.65): VV016354.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV016354.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV016354.D (-2055) (-)

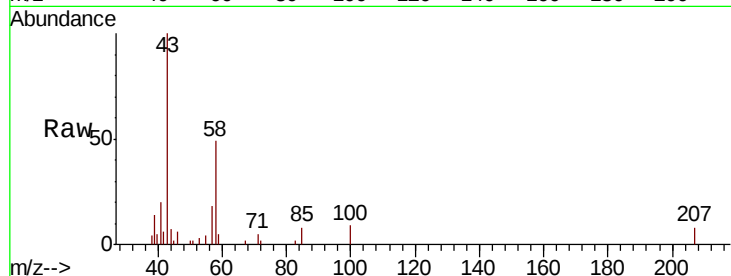




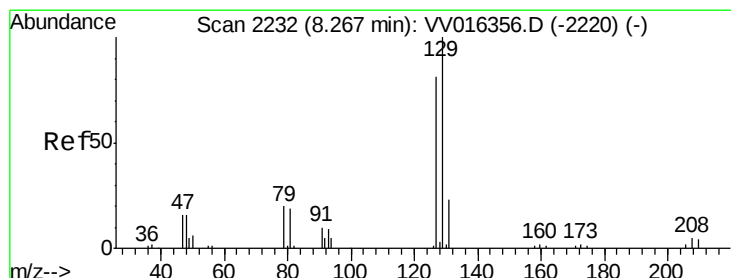
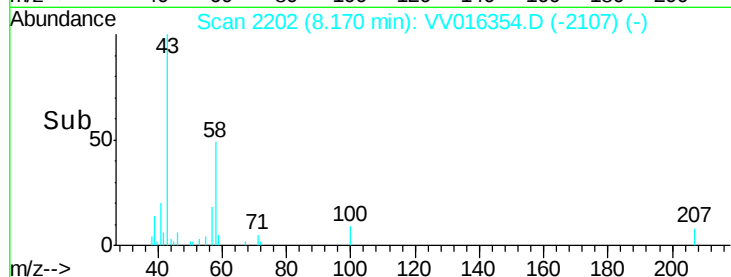
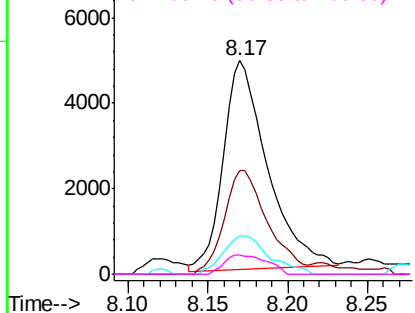
#50
2-Hexanone
Concen: 3.630 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV016354.D
Acq: 30 May 2020 12:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 9190
Ion Ratio Lower Upper
43 100
58 49.3 41.1 61.7
57 19.4 14.2 21.4
100 9.0 8.8 13.2

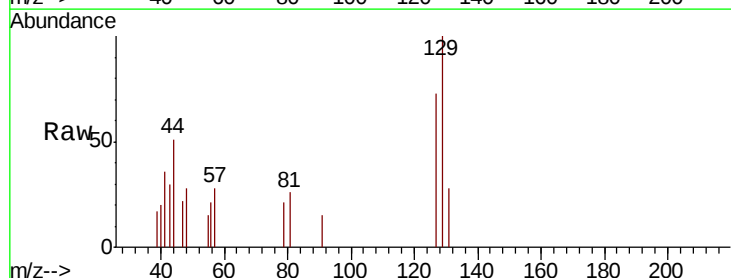


Abundance Ion 43.05 (42.75 to 43.75): VV016356.D (-2190) (-)
Ion 58.05 (57.75 to 58.75): VV016356.D (-2190) (-)
Ion 57.20 (56.90 to 57.90): VV016354.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV016354.D (-2107) (-)

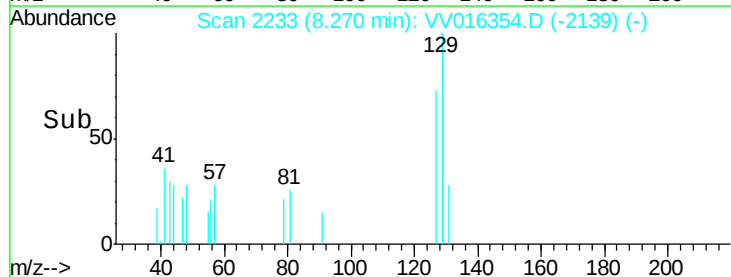
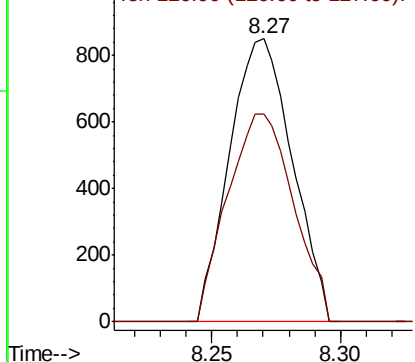


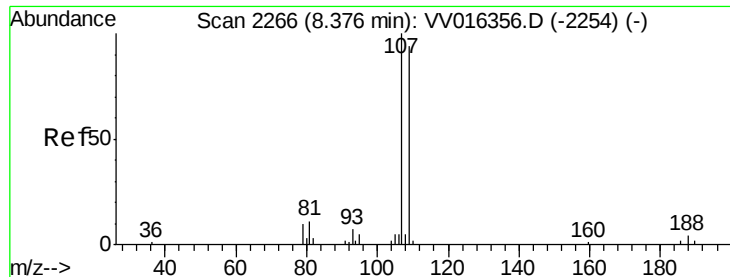
#51
Dibromochloromethane
Concen: 0.375 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016354.D
Acq: 30 May 2020 12:42

Tgt Ion: 129 Resp: 1442
Ion Ratio Lower Upper
129 100
127 73.4 57.0 105.8



Abundance Ion 128.95 (128.65 to 129.65): VV016356.D (-2220) (-)
Ion 126.90 (126.60 to 127.60): VV016354.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 0.403 ug/L

RT: 8.38 min Scan# 2267

Delta R.T. 0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

Instrument :

MSVOA_V

ClientSampleId :

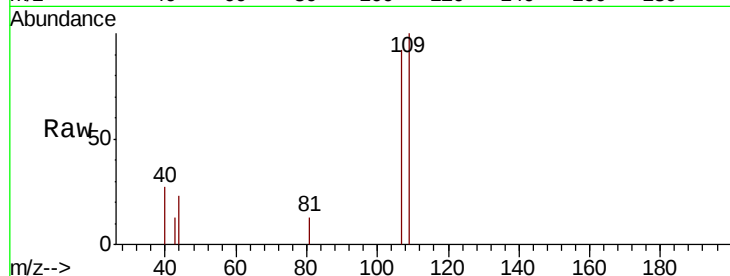
Tot Ion:107 Resp: 1428

Ion Ratio Lower Upper

107 100

109 108.9 65.9 122.3

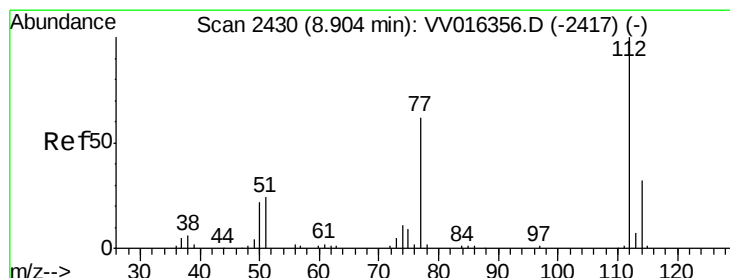
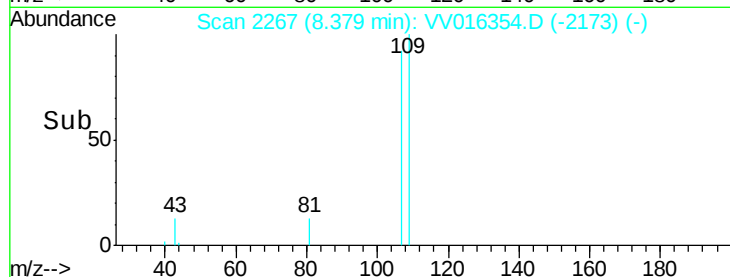
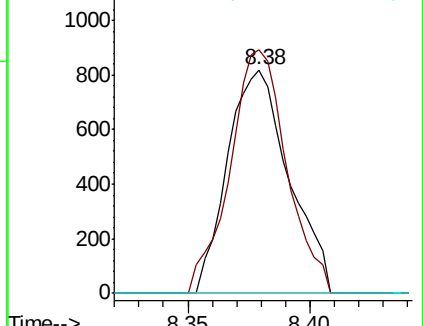
188 0.0 3.0 4.4#



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: 0.446 ug/L

RT: 8.91 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

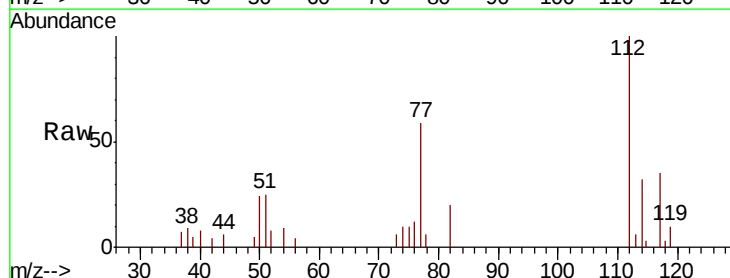
Tgt Ion:112 Resp: 6794

Ion Ratio Lower Upper

112 100

114 32.2 22.6 42.0

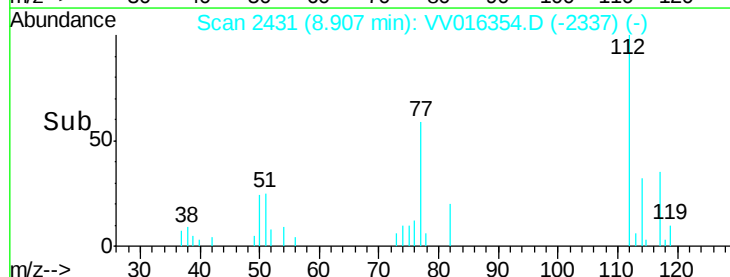
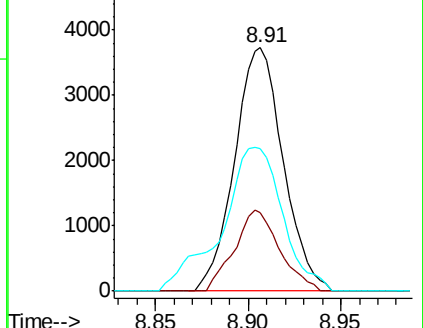
77 58.6 50.5 75.7

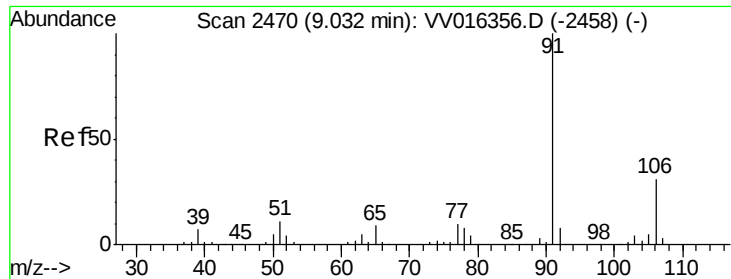


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

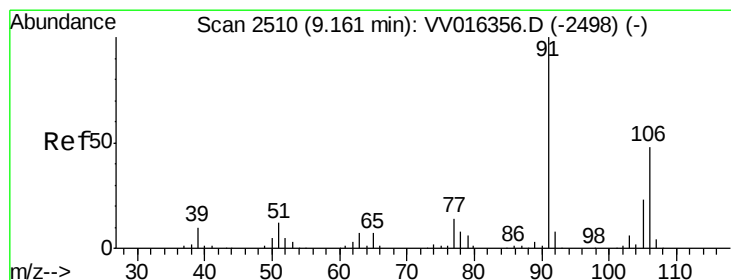
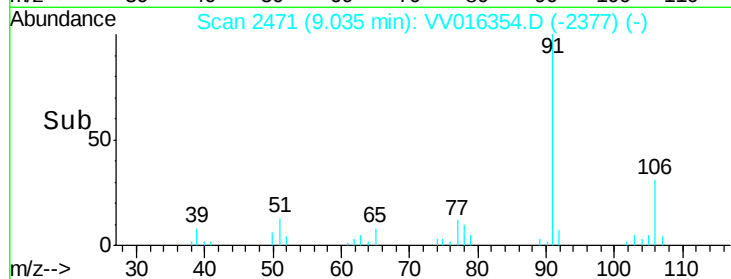
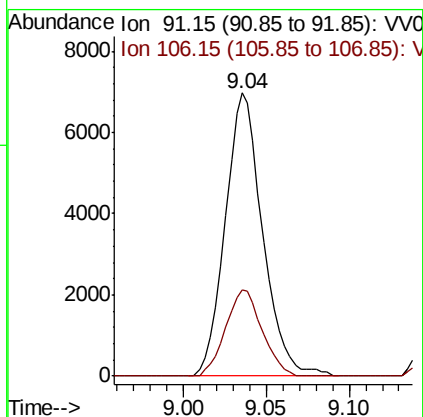
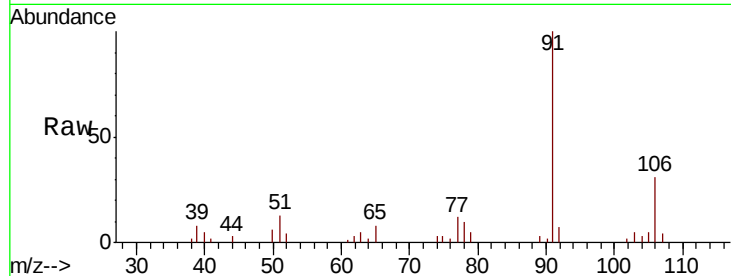




#54
Ethylbenzene
Concen: 0.396 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016354.D
Acq: 30 May 2020 12:42

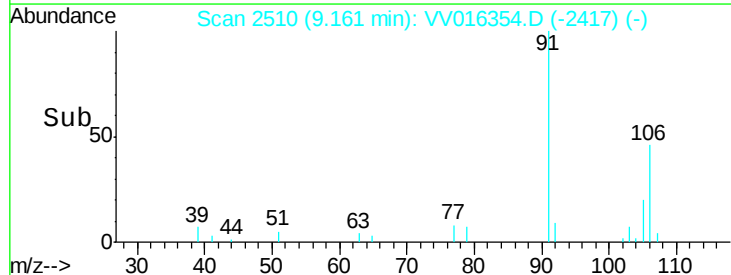
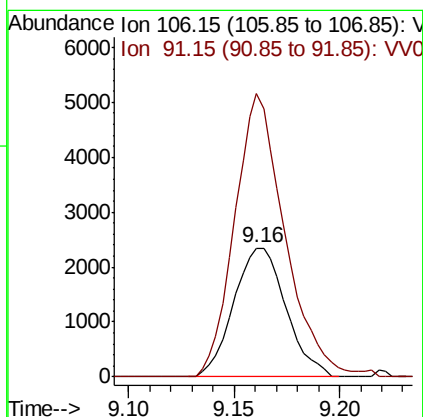
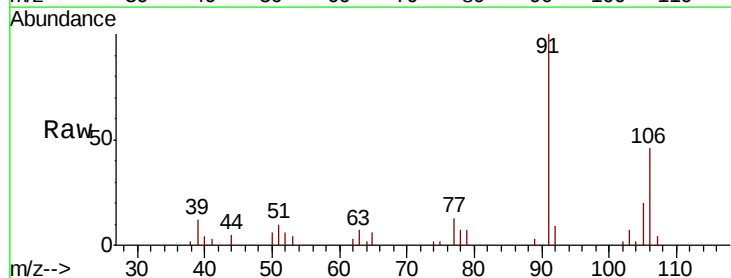
Instrument :
MSVOA_V
ClientSampleId :

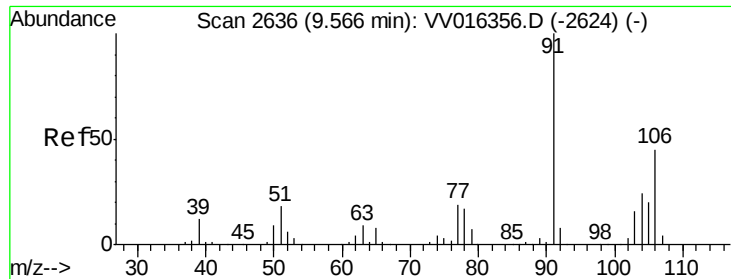
Tot Ion: 91 Resp: 10910
Ion Ratio Lower Upper
91 100
106 30.5 21.4 39.8



#55
m,p-xylene
Concen: 0.391 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. -0.00 min
Lab File: VV016354.D
Acq: 30 May 2020 12:42

Tgt Ion: 106 Resp: 4039
Ion Ratio Lower Upper
106 100
91 219.6 146.6 272.2

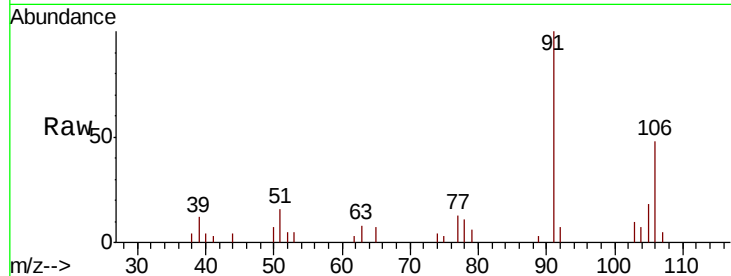




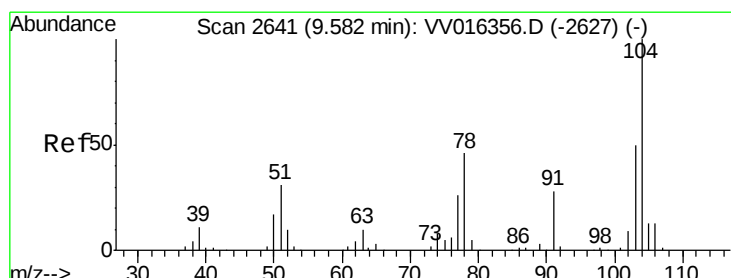
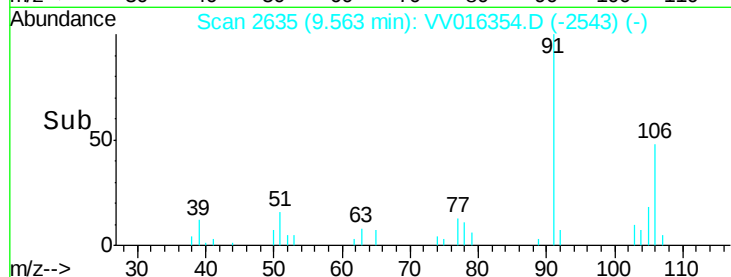
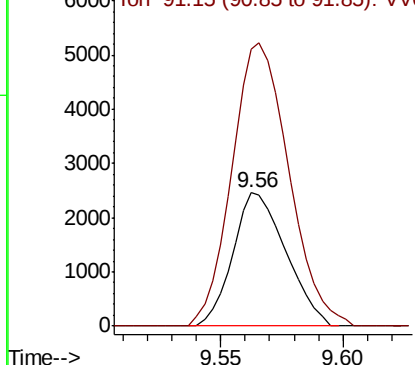
#56
o-xylene
Concen: 0.374 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016354.D
Acq: 30 May 2020 12:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 3702
Ion Ratio Lower Upper
106 100
91 208.1 155.2 288.2

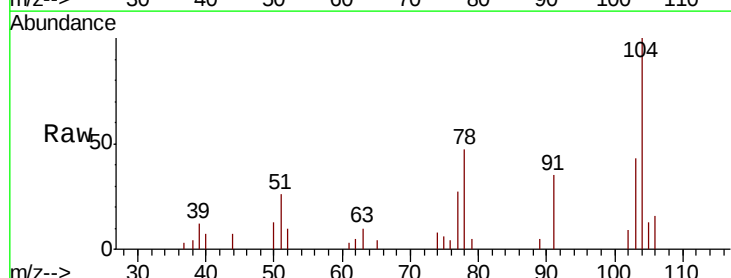


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

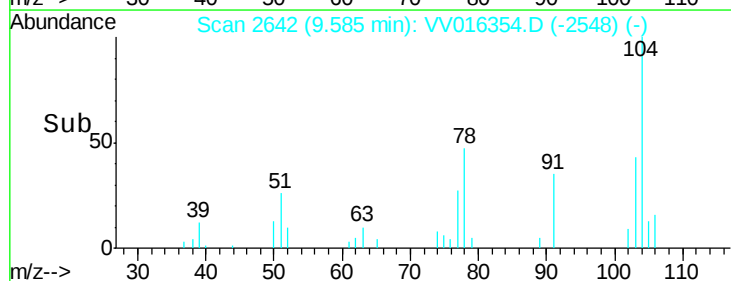
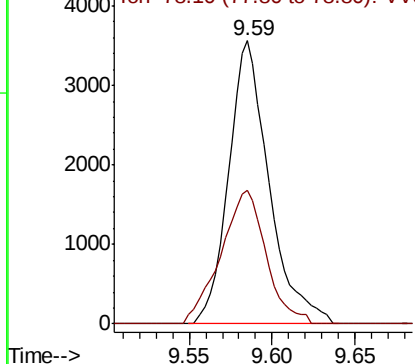


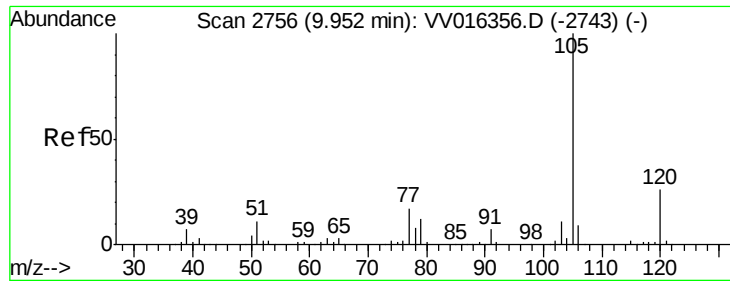
#57
Styrene
Concen: 0.354 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV016354.D
Acq: 30 May 2020 12:42

Tgt Ion:104 Resp: 6037
Ion Ratio Lower Upper
104 100
78 47.1 32.6 60.6



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





#58

Isopropylbenzene

Concen: 0.361 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

Instrument :

MSVOA_V

ClientSampleId :

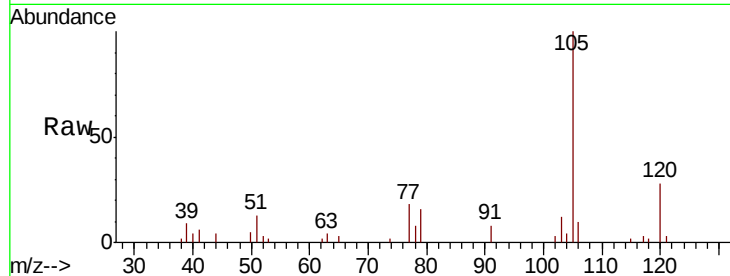
Tot Ion:105 Resp: 9634

Ion Ratio Lower Upper

105 100

120 27.5 20.7 31.1

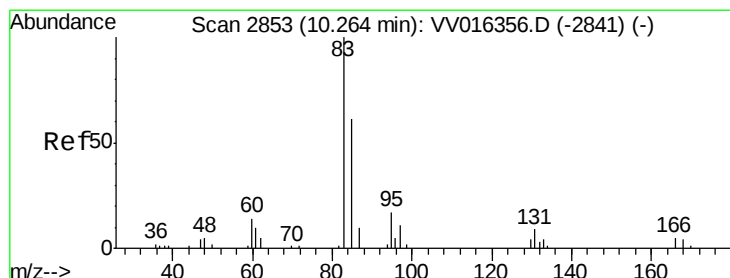
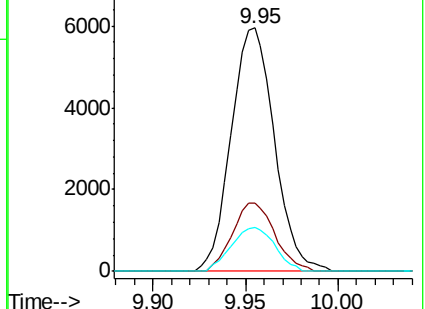
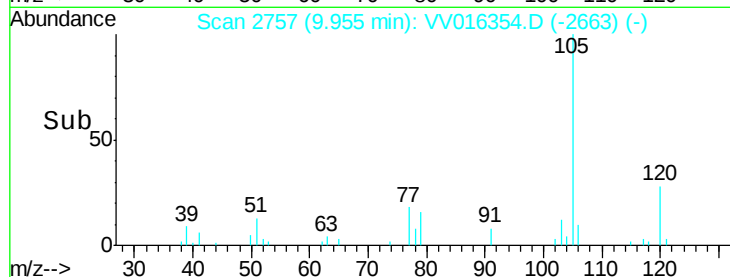
77 18.0 13.4 20.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 0.442 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

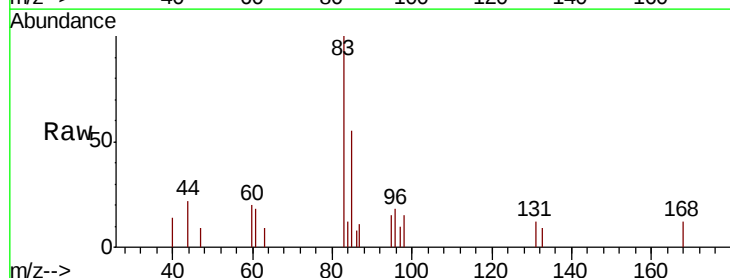
Tgt Ion: 83 Resp: 2039

Ion Ratio Lower Upper

83 100

85 54.8 43.7 81.1

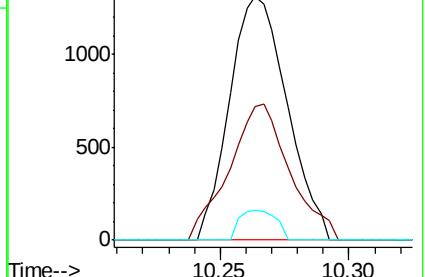
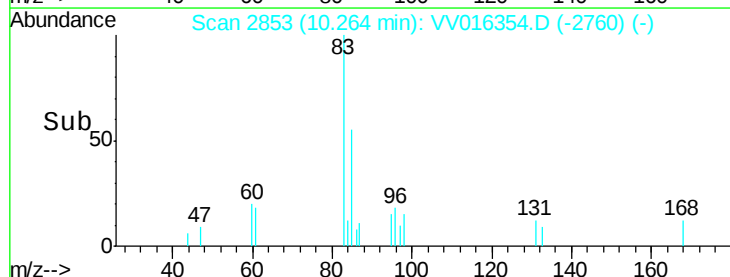
131 12.4 7.8 11.6#

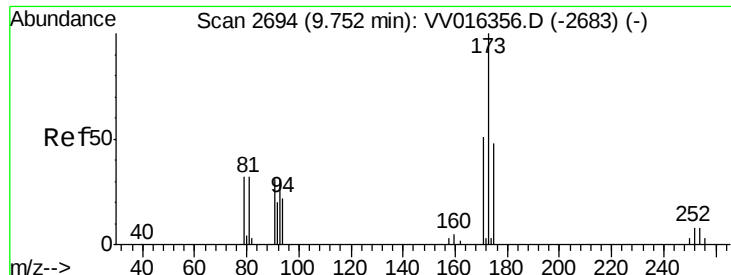


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 0.412 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

Instrument :
MSVOA_V
ClientSampled :

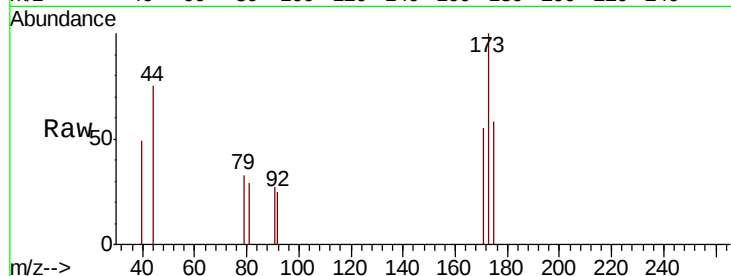
Tot Ion:173 Resp: 619

Ion Ratio Lower Upper

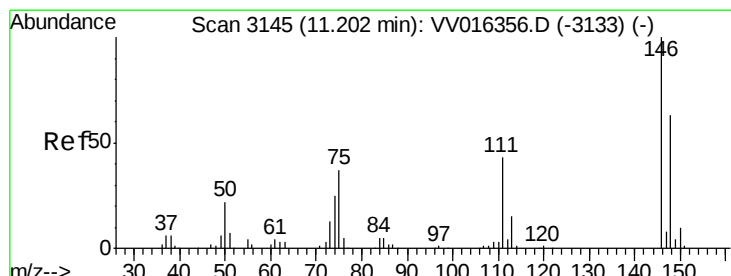
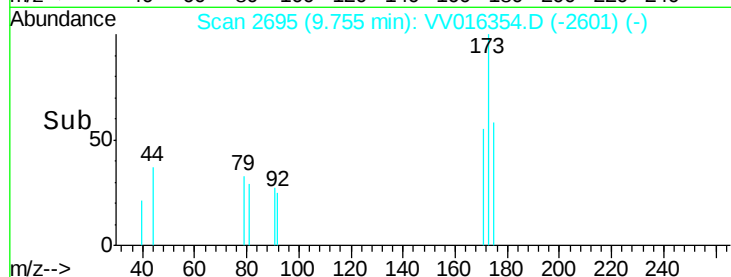
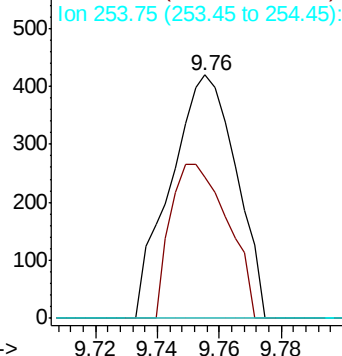
173 100

175 55.1 38.3 57.5

254 0.0 5.8 8.6#



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



#63

1,3-Dichlorobenzene

Concen: 0.415 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

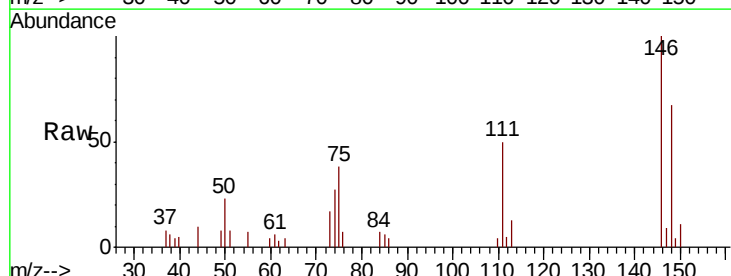
Tgt Ion:146 Resp: 4652

Ion Ratio Lower Upper

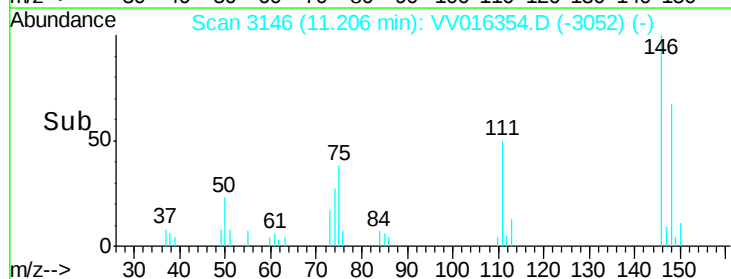
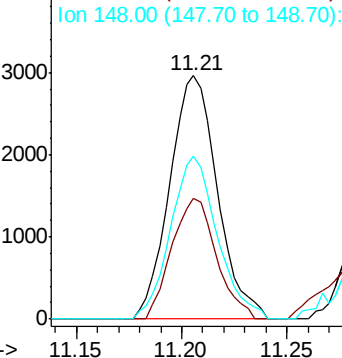
146 100

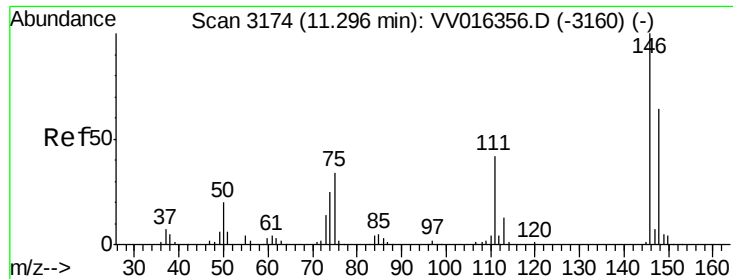
111 49.6 30.3 56.3

148 66.9 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





#64

1,4-Dichlorobenzene

Concen: 0.476 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016354.D

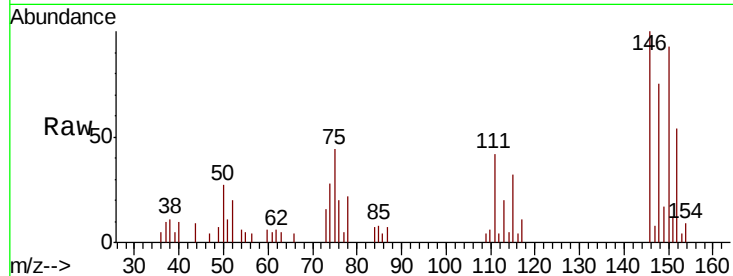
Acq: 30 May 2020 12:42

Instrument :

MSVOA_V

ClientSampleId :

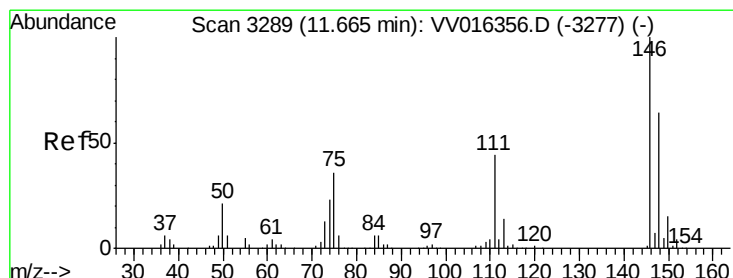
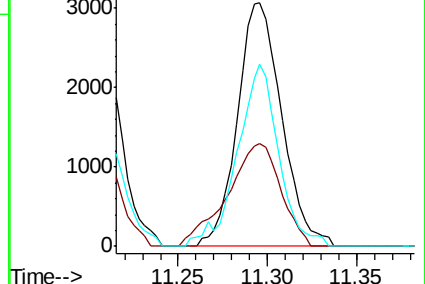
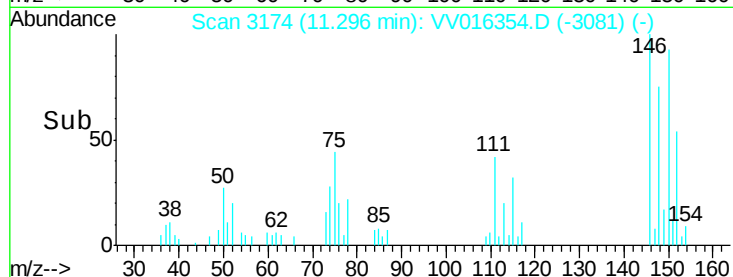
Tot Ion:146	Resp:	5306
Ion	Ratio	Lower Upper
146	100	
111	42.4	29.6 55.0
148	74.6	44.7 83.1



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: 0.455 ug/L

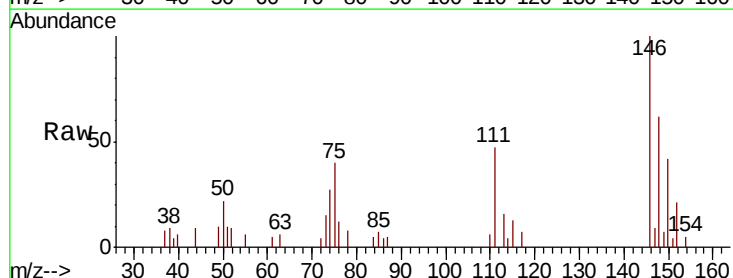
RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016354.D

Acq: 30 May 2020 12:42

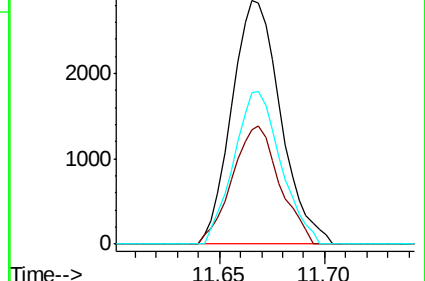
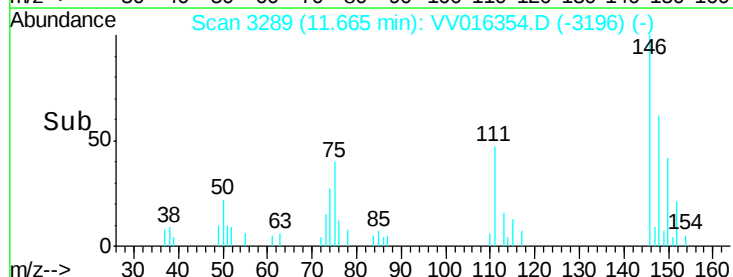
Tgt Ion:146	Resp:	4578
Ion	Ratio	Lower Upper
146	100	
111	47.2	35.4 53.2
148	62.1	51.0 76.4

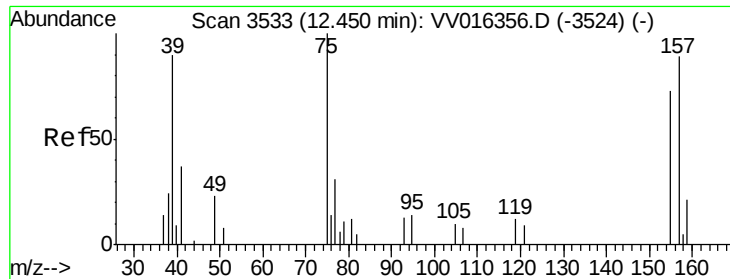


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

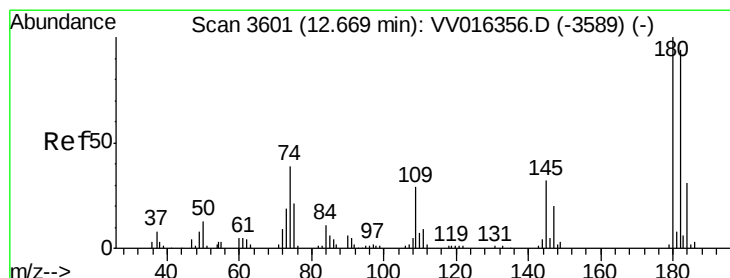
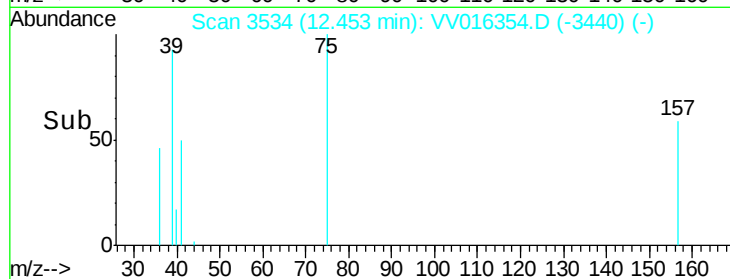
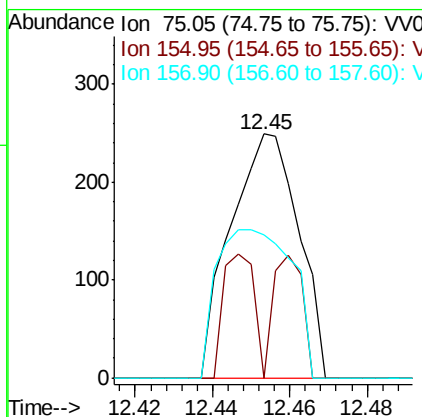
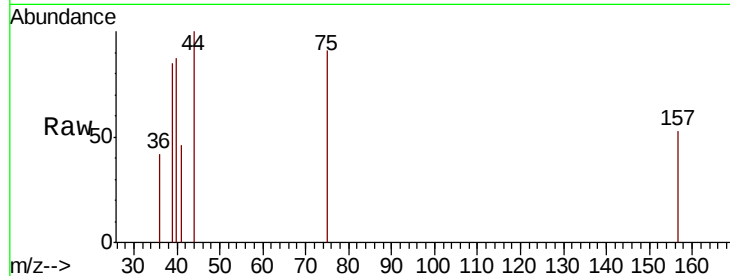




#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.468 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

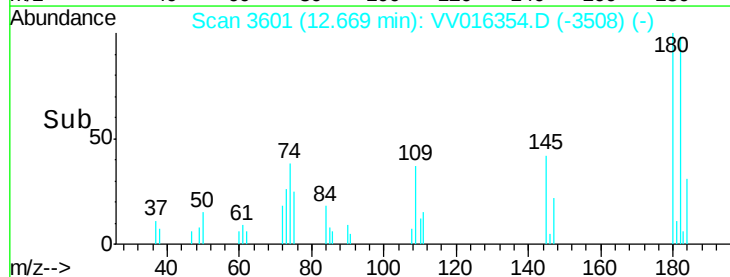
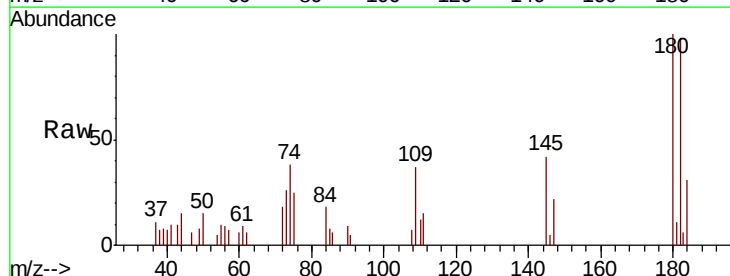
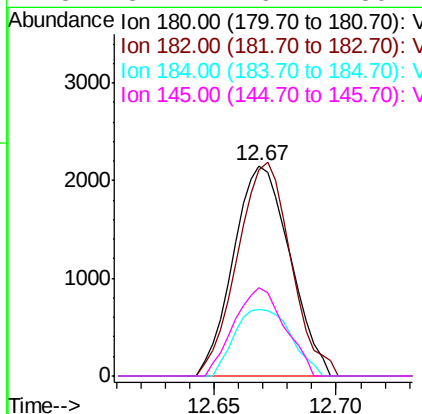
Instrument :
 MSVOA_V
 ClientSampleId :

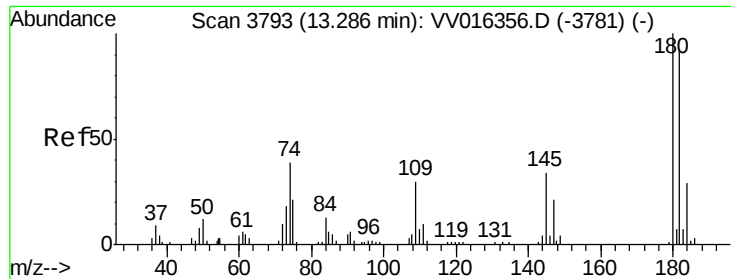
Tot Ion: 75 Resp: 304
 Ion Ratio Lower Upper
 75 100
 155 0.0 58.1 87.1#
 157 58.6 71.0 106.4#



#68
 1,3,5-Trichlorobenzene
 Concen: 0.433 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

Tgt Ion: 180 Resp: 3461
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.5 113.3
 184 31.6 24.2 36.2
 145 37.7 26.2 39.2

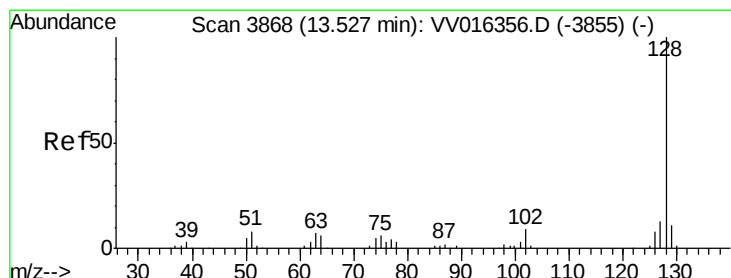
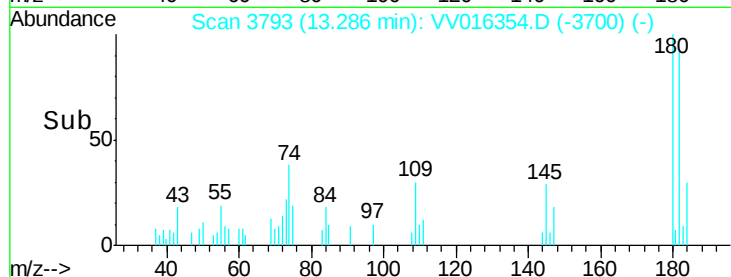
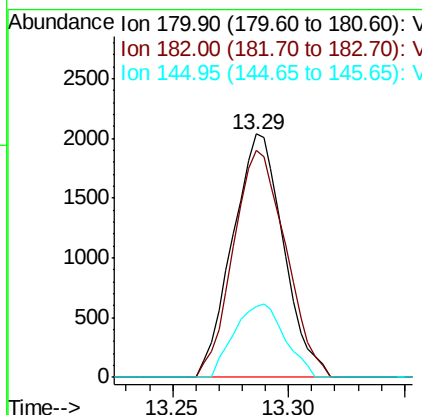
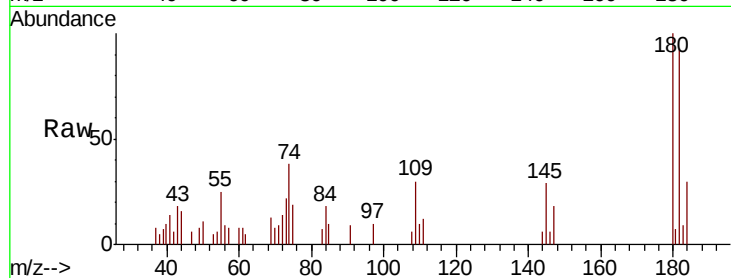




#69
 1,2,4-trichlorobenzene
 Concen: 0.468 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

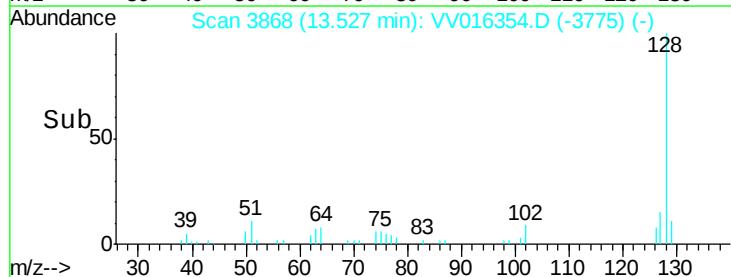
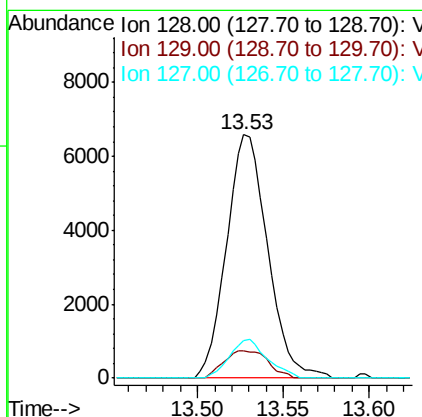
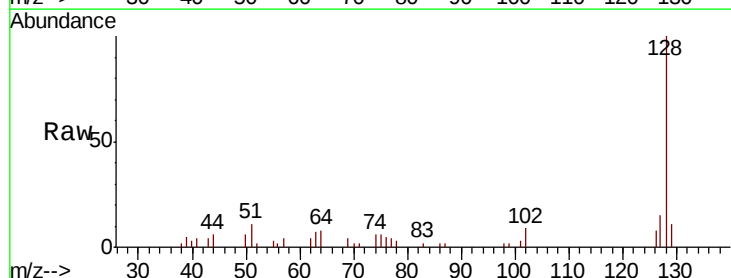
Instrument :
 MSVOA_V
 ClientSampled :

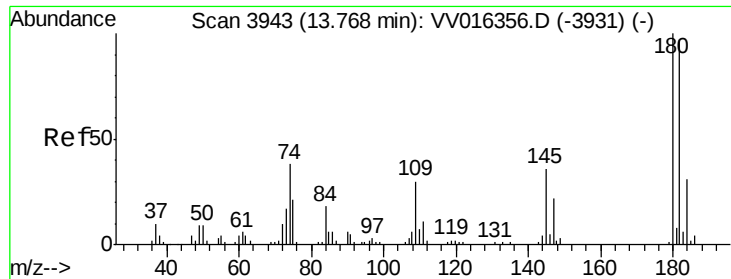
Tot Ion:180 Resp: 3110
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.4 114.6
 145 29.7 26.9 40.3



#70
 Naphthalene
 Concen: 0.850 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

Tgt Ion:128 Resp: 10993
 Ion Ratio Lower Upper
 128 100
 129 12.1 8.6 12.8
 127 14.5 10.7 16.1

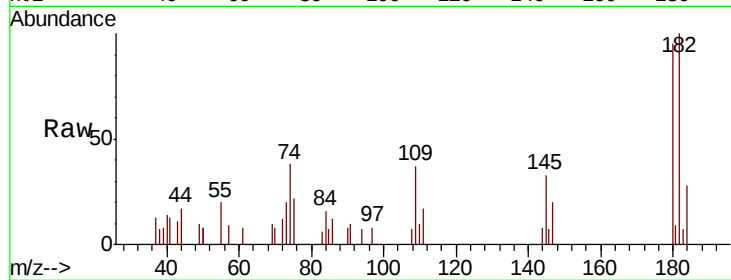




#71
 1,2,3-Trichlorobenzene
 Concen: 0.418 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV016354.D
 Acq: 30 May 2020 12:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 2523
 Ion Ratio Lower Upper
 180 100
 182 108.6 75.1 112.7
 145 39.7 28.5 42.7



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

