

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\
 Data File : VV016355.D
 Acq On : 30 May 2020 13:15
 Operator : SY/MD
 Sample : VSTD00134
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 03:27:43 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	79191	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	76589	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	36469	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7073	1.02	ug/L	0.00
7) Chloroethane-d5	1.58	69	5376	1.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	12273	1.01	ug/L	0.00
20) 2-Butanone-d5	3.94	46	14795	9.85	ug/L	0.01
24) Chloroform-d	4.38	84	11830	1.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	6167	1.00	ug/L	0.00
32) Benzene-d6	5.08	84	21704	1.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	6939	1.06	ug/L	0.00
41) Toluene-d8	7.34	98	19333	0.96	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.65	79	2294	0.93	ug/L	0.00
48) 2-Hexanone-d5	8.12	63	9844	8.58	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	4713	0.99	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	7015	1.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6144	0.914 ug/L	99
3) Chloromethane	1.25	50	7886	1.009 ug/L	99
5) Vinyl chloride	1.32	62	6818	0.929 ug/L	99
6) Bromomethane	1.53	94	3862	0.953 ug/L	92
8) Chloroethane	1.60	64	4248	0.947 ug/L	90
9) Trichlorofluoromethane	1.77	101	9457	0.942 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5286	0.942 ug/L	98
12) 1,1-Dichloroethene	2.13	96	5198	0.989 ug/L #	83
13) Acetone	2.20	43	9927	11.069 ug/L	94
14) Carbon disulfide	2.31	76	14981	0.945 ug/L	99
15) Methyl Acetate	2.45	43	2783	1.219 ug/L #	90
16) Methylene chloride	2.52	84	5780	1.046 ug/L	99
17) Methyl tert-butyl Ether	2.79	73	11680	0.949 ug/L #	93
18) trans-1,2-Dichloroethene	2.78	96	5261	0.956 ug/L	97
19) 1,1-Dichloroethane	3.21	63	10703	0.968 ug/L	97
21) 2-Butanone	4.02	43	12787	8.161 ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	5846	0.968 ug/L	97
23) Bromochloromethane	4.27	128	2209	0.906 ug/L	97
25) Chloroform	4.40	83	10570	0.957 ug/L	96
27) 1,2-Dichloroethane	5.16	62	6908	0.936 ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	8616	0.911 ug/L	97
30) Cyclohexane	4.70	56	9130	0.904 ug/L	98
31) Carbon tetrachloride	4.85	117	7358	0.899 ug/L	99
33) Benzene	5.13	78	21715	0.929 ug/L	100
34) Trichloroethene	5.94	95	5735	0.931 ug/L	94
35) Methylcyclohexane	6.15	83	8436	0.858 ug/L	96
37) 1,2-Dichloropropane	6.20	63	5508	0.901 ug/L #	97
38) Bromodichloromethane	6.53	83	6585	0.924 ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	6504	0.833 ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	31234	8.571 ug/L	98

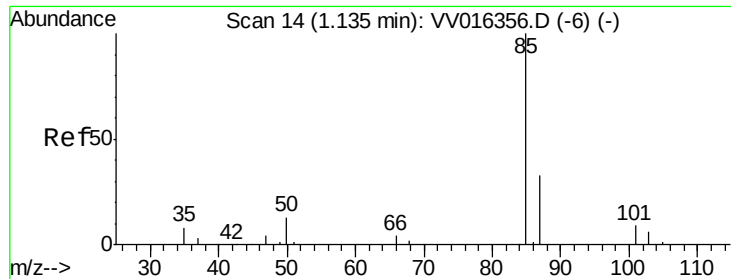
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\
 Data File : VV016355.D
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 ClientSampleId :

Quant Time: Jun 01 03:27:43 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)
42) Toluene	7.41	91	22306	0.870	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	18061	0.767	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	18400	0.773	ug/L	97
46) trans-1,3-Dichloropropene	7.68	75	5285	0.788	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	3459	0.910	ug/L	93
49) Tetrachloroethene	8.00	164	4088	0.928	ug/L	97
50) 2-Hexanone	8.17	43	21574	8.329	ug/L	97
51) Dibromochloromethane	8.27	129	3568	0.907	ug/L	99
52) 1,2-Dibromoethane	8.38	107	3434	0.948	ug/L #	99
53) Chlorobenzene	8.90	112	14533	0.933	ug/L	100
54) Ethylbenzene	9.04	91	23596	0.837	ug/L	100
55) m,p-xylene	9.16	106	8886	0.841	ug/L	96
56) o-xylene	9.57	106	8238	0.814	ug/L	98
57) Styrene	9.58	104	13768	0.789	ug/L	99
58) Isopropylbenzene	9.95	105	22619	0.828	ug/L	98
60) 1,1,2,2-Tetrachloroethane	10.26	83	4529	0.959	ug/L	99
62) Bromoform	9.76	173	1313	0.829	ug/L #	91
63) 1,3-Dichlorobenzene	11.21	146	10801	0.915	ug/L	97
64) 1,4-Dichlorobenzene	11.30	146	11309	0.963	ug/L	95
66) 1,2-Dichlorobenzene	11.67	146	10388	0.980	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	596	0.870	ug/L #	73
68) 1,3,5-Trichlorobenzene	12.67	180	7363	0.875	ug/L	96
69) 1,2,4-trichlorobenzene	13.29	180	6121	0.874	ug/L	97
70) Naphthalene	13.53	128	17096	1.254	ug/L	97
71) 1,2,3-Trichlorobenzene	13.77	180	5809	0.913	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.914 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

Instrument :

MSVOA_V

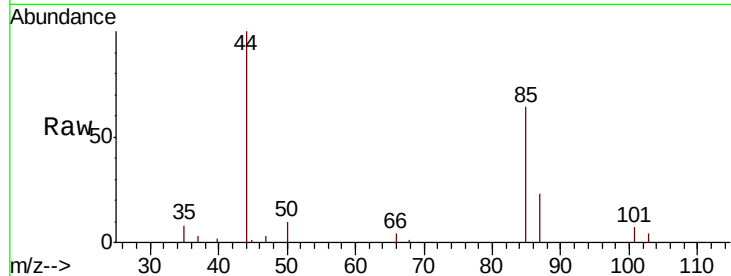
ClientSampleId :

Tot Ion: 85 Resp: 6144

Ion Ratio Lower Upper

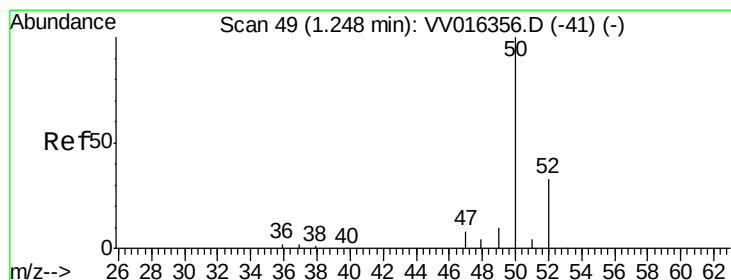
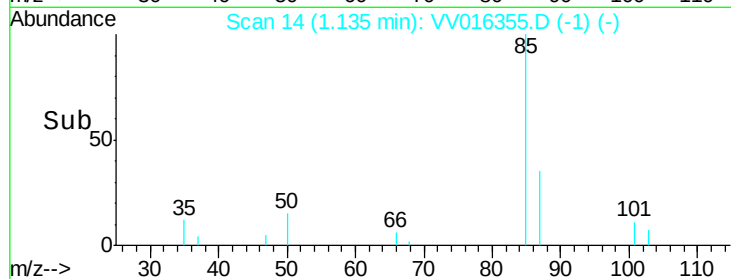
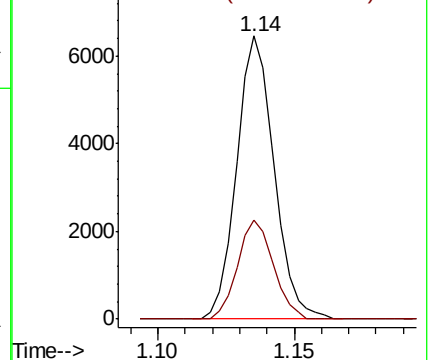
85 100

87 33.5 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: 1.009 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016355.D

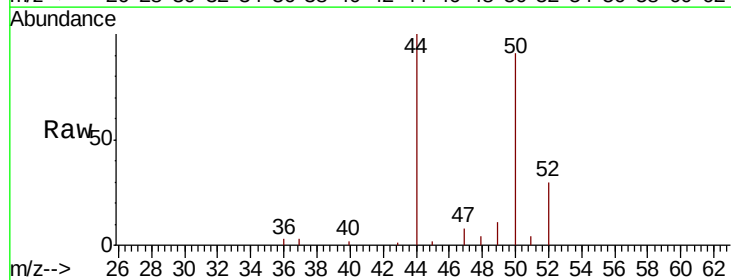
Acq: 30 May 2020 13:15

Tgt Ion: 50 Resp: 7886

Ion Ratio Lower Upper

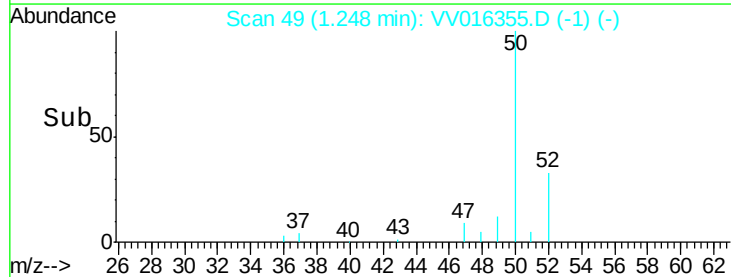
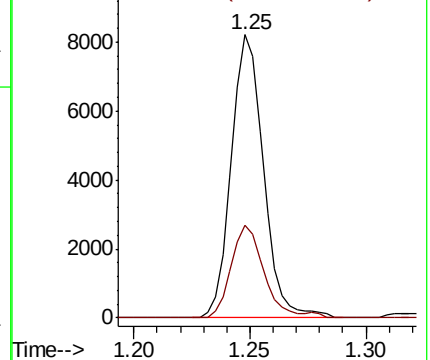
50 100

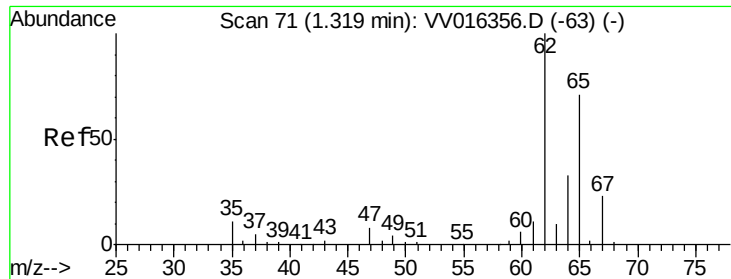
52 32.6 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.929 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

Instrument :

MSVOA_V

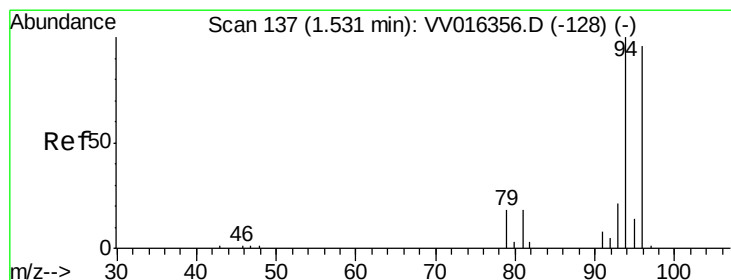
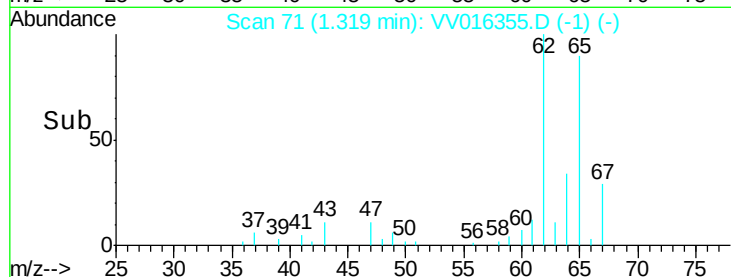
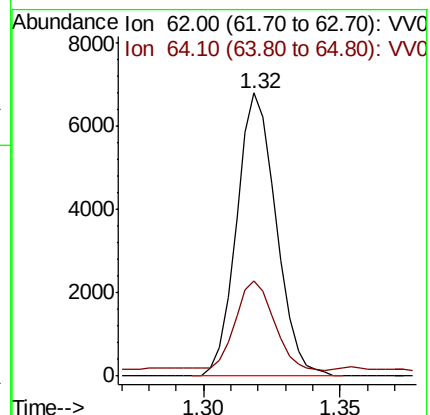
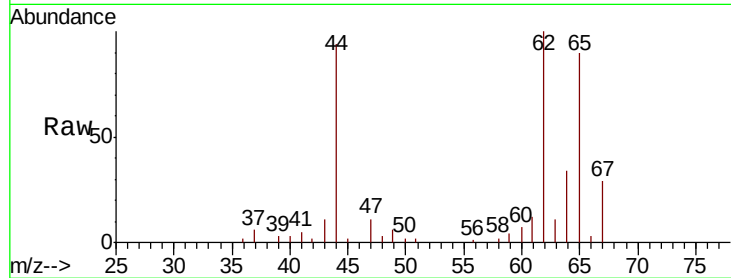
ClientSampleId :

Tot Ion: 62 Resp: 6818

Ion Ratio Lower Upper

62 100

64 33.8 23.1 42.9



#6

Bromomethane

Concen: 0.953 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV016355.D

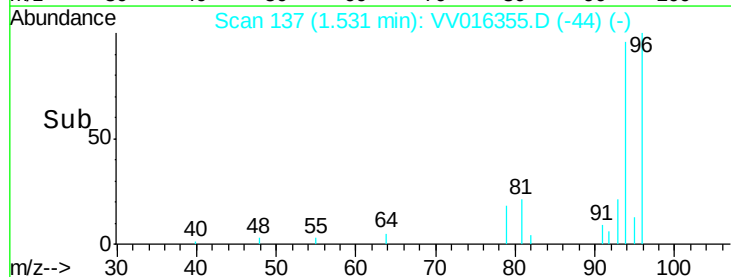
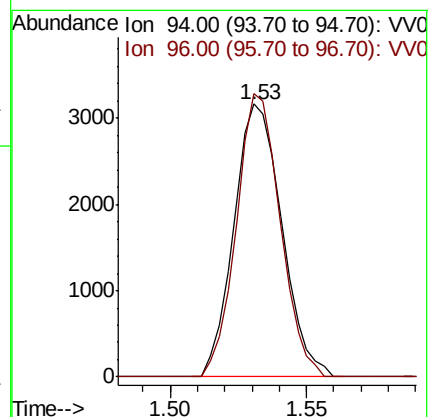
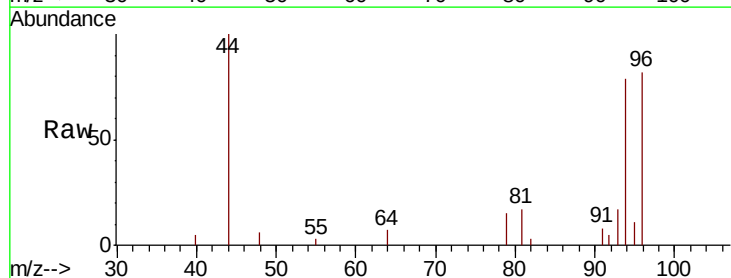
Acq: 30 May 2020 13:15

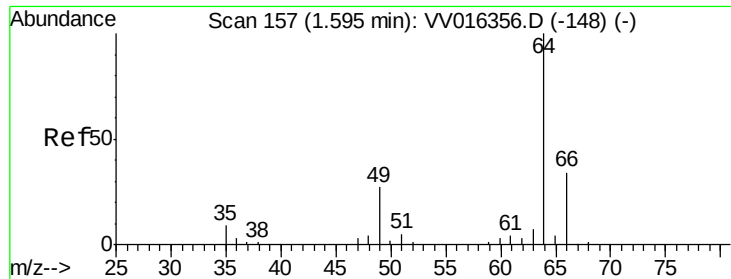
Tgt Ion: 94 Resp: 3862

Ion Ratio Lower Upper

94 100

96 103.8 67.0 124.4





#8

Chloroethane

Concen: 0.947 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

Instrument :

MSVOA_V

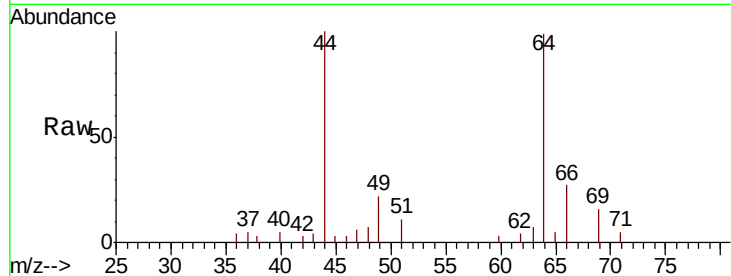
ClientSampleId :

Tot Ion: 64 Resp: 4248

Ion Ratio Lower Upper

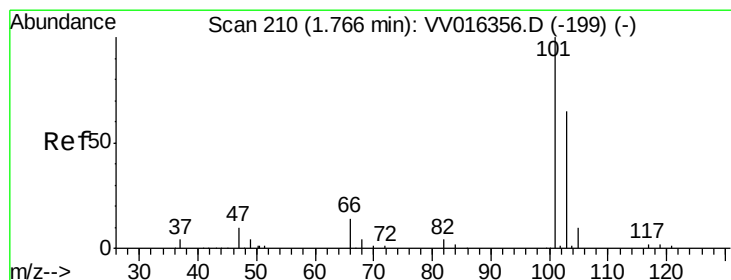
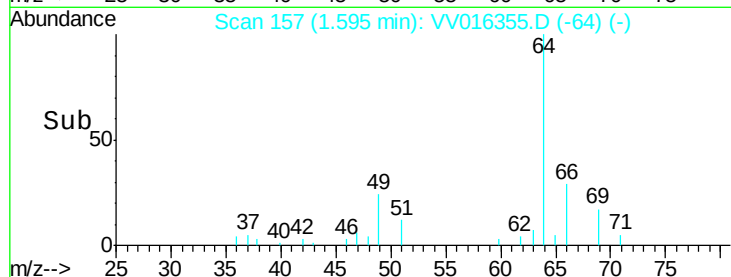
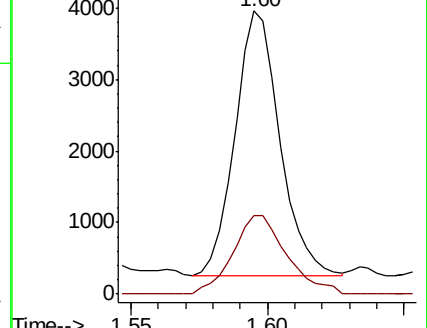
64 100

66 27.8 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VV016355.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV016355.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 0.942 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV016355.D

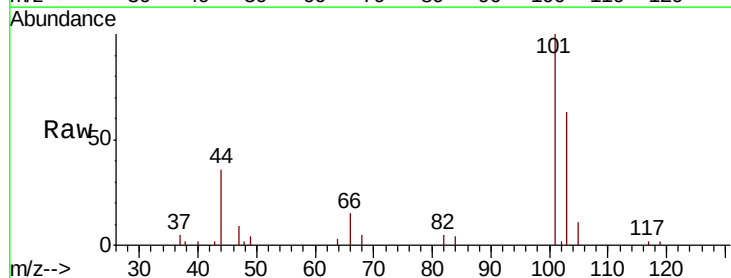
Acq: 30 May 2020 13:15

Tgt Ion: 101 Resp: 9457

Ion Ratio Lower Upper

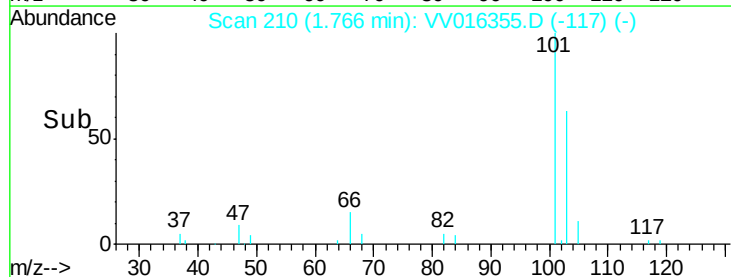
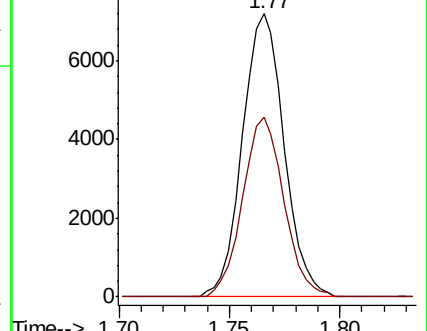
101 100

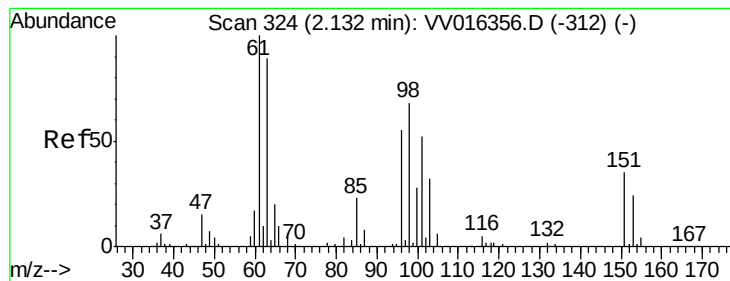
103 63.0 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VV016355.D (-101) (-)

Ion 103.00 (102.70 to 103.70): VV016355.D (-103) (-)





#10

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

Concen: 0.942 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

Instrument :
MSVOA_V
ClientSampleId :

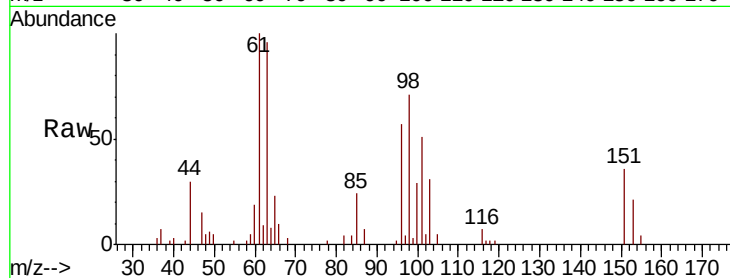
Tot Ion:101 Resp: 5286

Ion Ratio Lower Upper

101 100

85 46.8 35.7 53.5

151 73.1 57.2 85.8

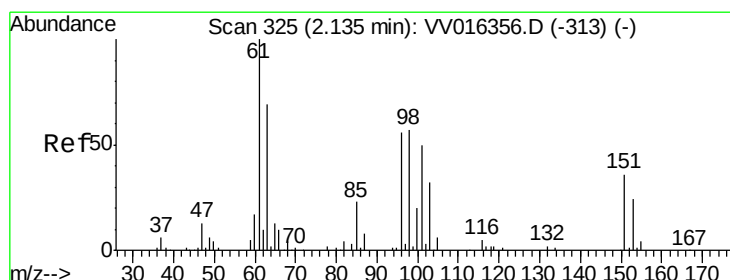
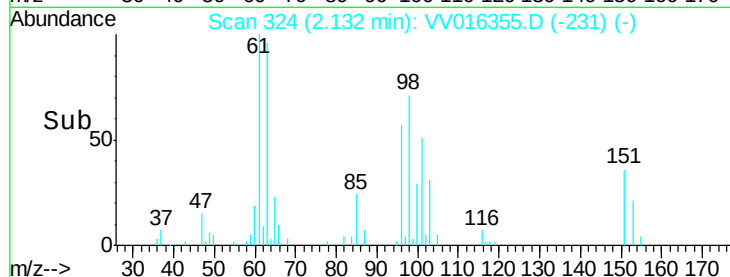


Abundance Ion 101.00 (100.70 to 101.70): VV016356.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV016356.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV016356.D (-312) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 0.989 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

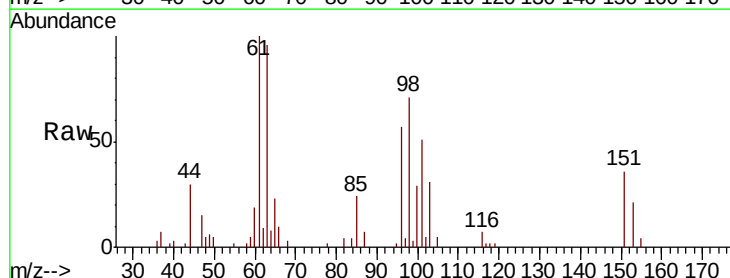
Tgt Ion: 96 Resp: 5198

Ion Ratio Lower Upper

96 100

61 176.2 125.4 233.0

63 168.8 88.2 163.8#

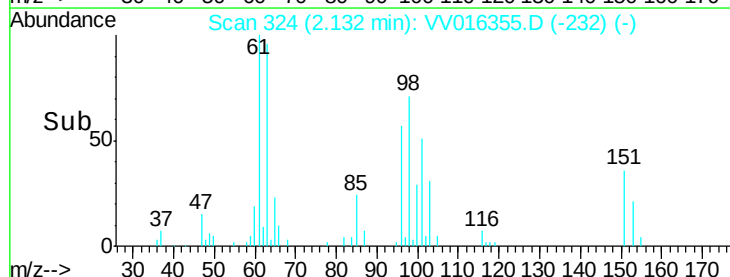


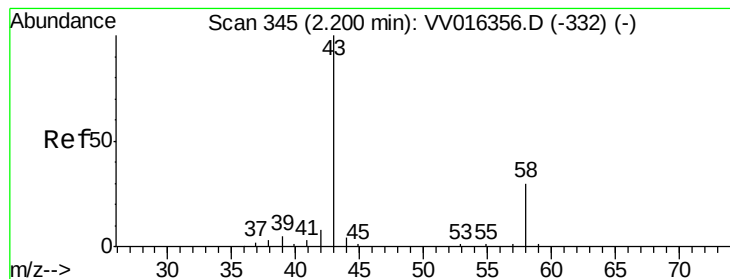
Abundance Ion 96.00 (95.70 to 96.70): VV016355.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV016355.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016355.D (-232) (-)

Time-->





#13

Acetone

Concen: 11.069 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

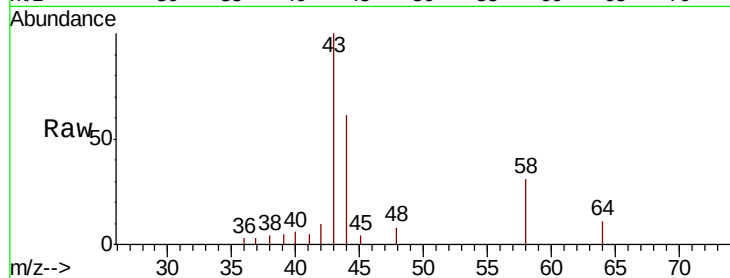
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 9927

Ion Ratio Lower Upper

43 100

58 32.8 0.0 59.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.20

3000

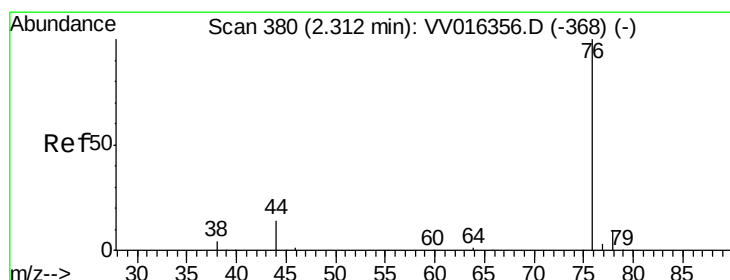
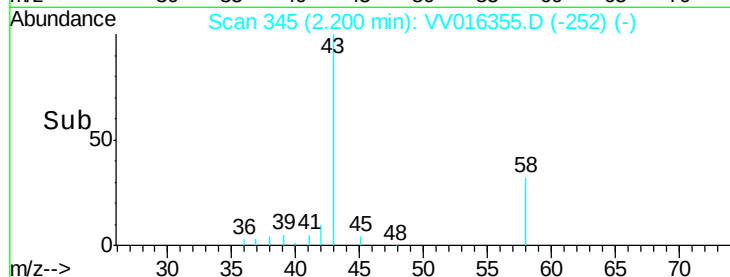
2000

1000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 0.945 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016355.D

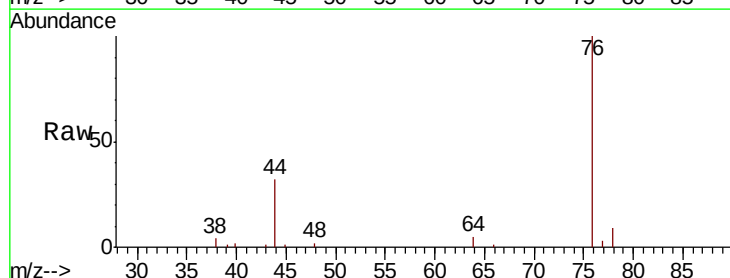
Acq: 30 May 2020 13:15

Tgt Ion: 76 Resp: 14981

Ion Ratio Lower Upper

76 100

78 8.9 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

12000

10000

8000

6000

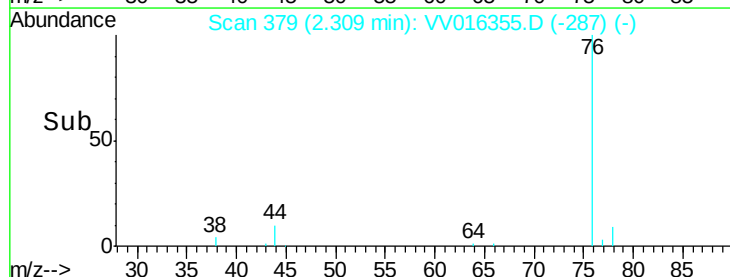
4000

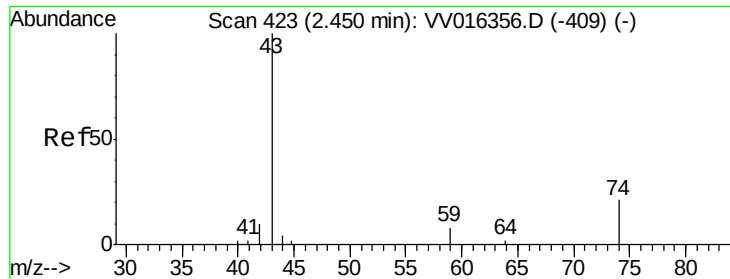
2000

0

Time-->

2.25 2.30 2.35

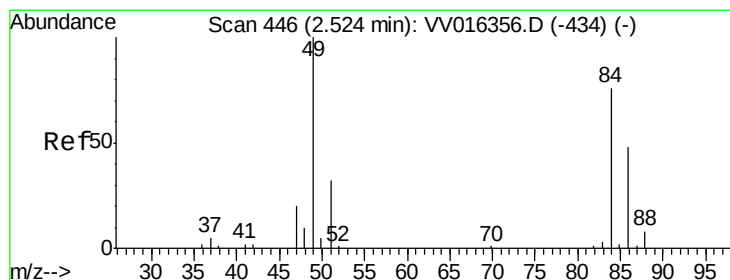
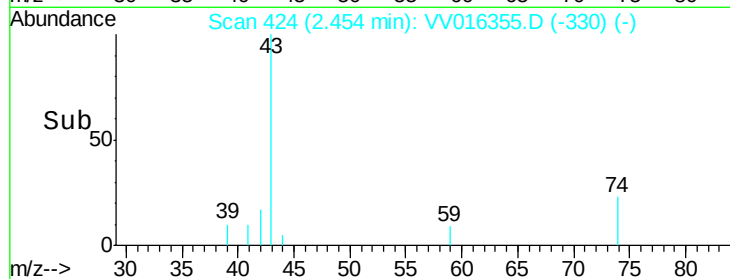
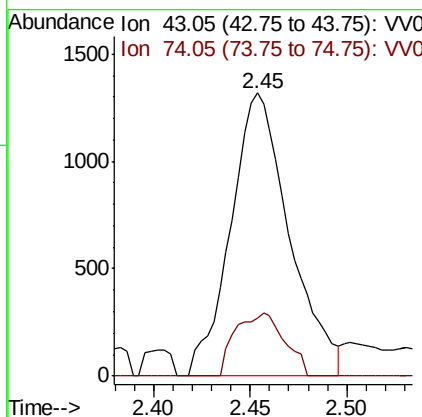
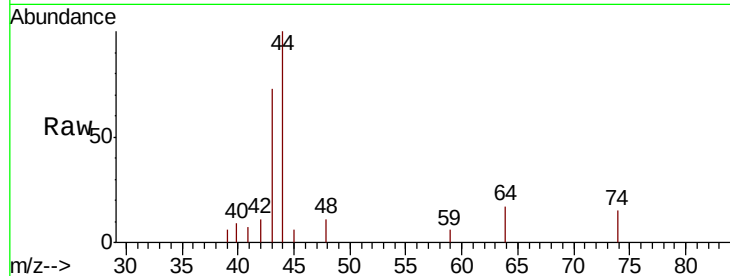




#15
Methyl Acetate
Concen: 1.219 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

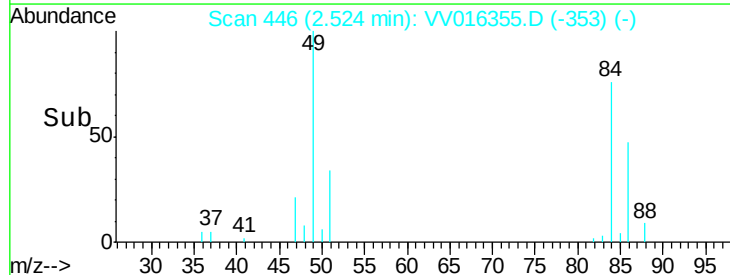
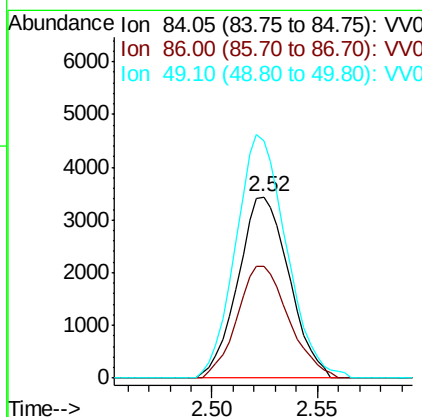
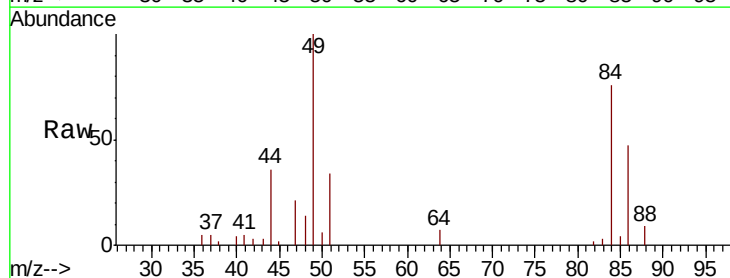
Instrument :
MSVOA_V
ClientSampled :

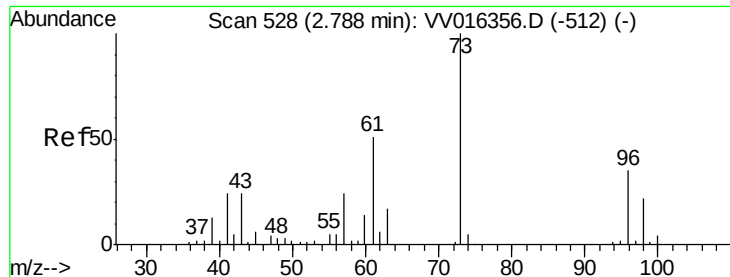
Tot Ion: 43 Resp: 2783
Ion Ratio Lower Upper
43 100
74 18.5 18.6 28.0#



#16
Methylene chloride
Concen: 1.046 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

Tgt Ion: 84 Resp: 5780
Ion Ratio Lower Upper
84 100
86 61.4 44.5 82.7
49 131.0 92.3 171.3

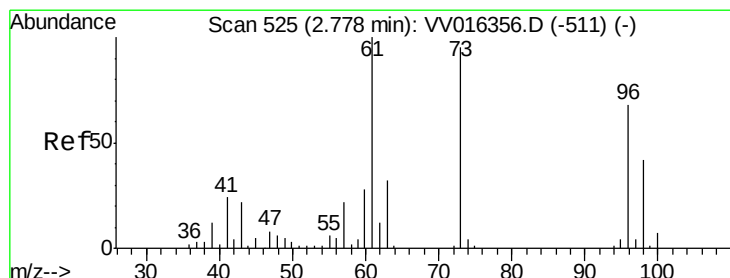
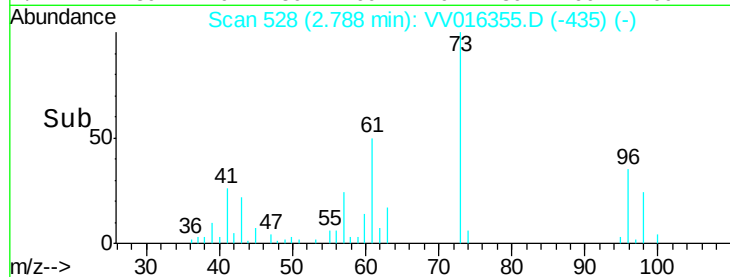
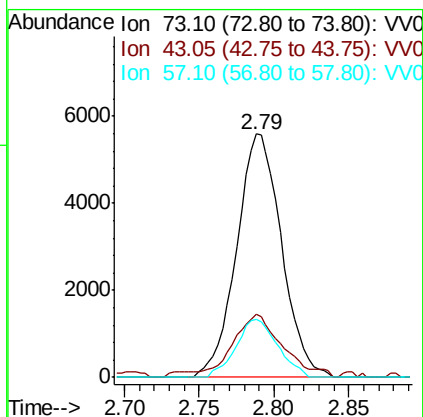
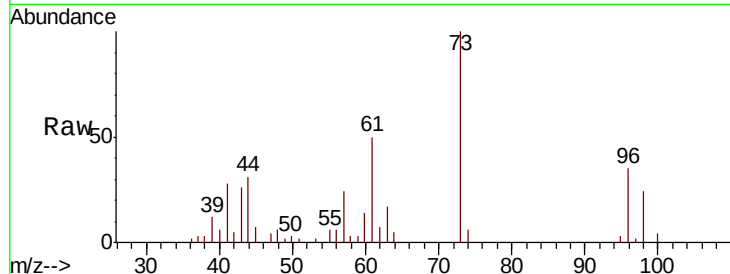




#17
Methyl tert-butyl Ether
Concen: 0.949 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

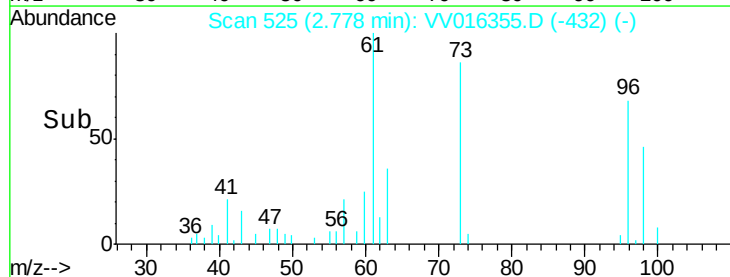
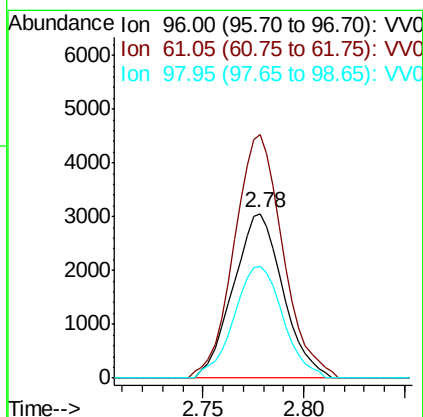
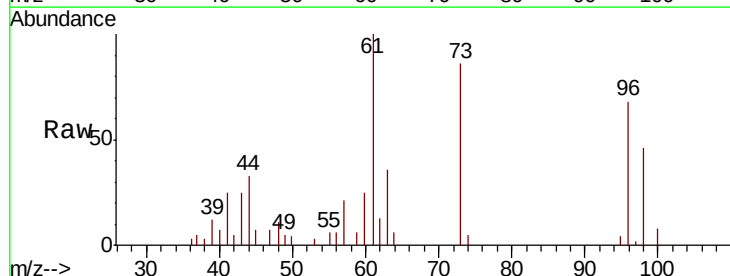
Instrument :
MSVOA_V
ClientSampleId :

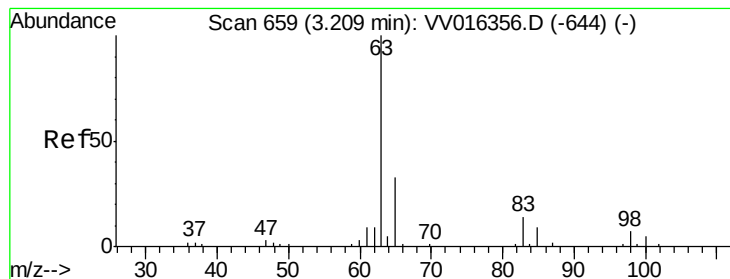
Tot Ion: 73 Resp: 11680
Ion Ratio Lower Upper
73 100
43 29.6 19.4 29.0#
57 22.1 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 0.956 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

Tgt Ion: 96 Resp: 5261
Ion Ratio Lower Upper
96 100
61 147.7 103.1 191.5
98 67.7 43.0 79.8





#19

1,1-Dichloroethane

Concen: 0.968 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

Instrument :
MSVOA_V
ClientSampleId :

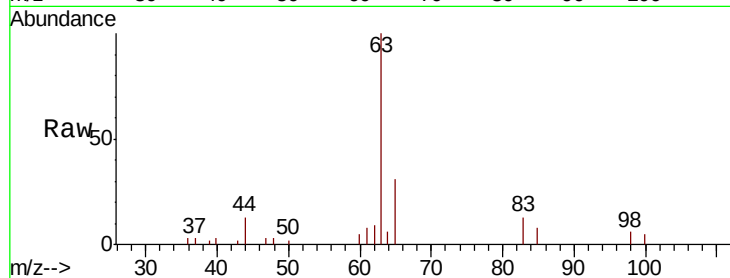
Tot Ion: 63 Resp: 10703

Ion Ratio Lower Upper

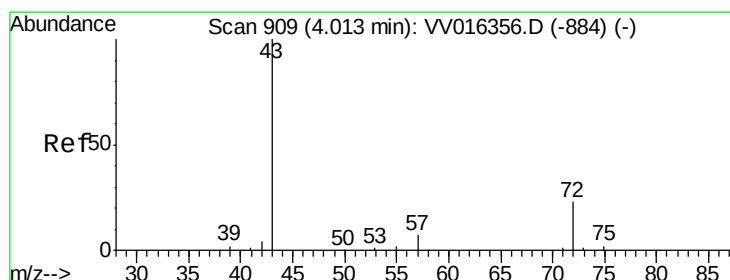
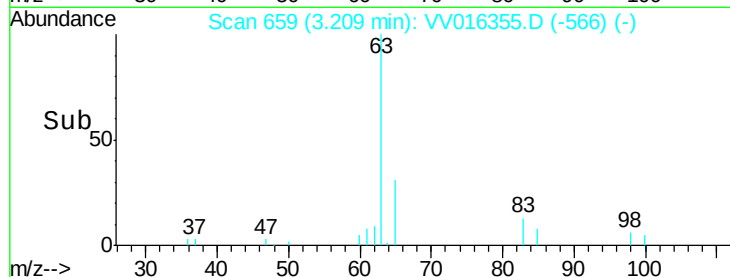
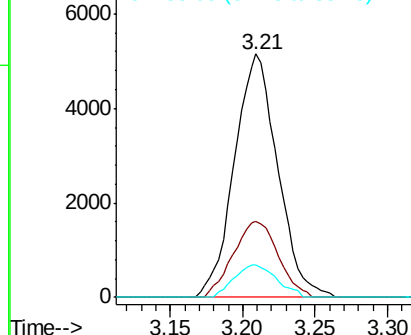
63 100

65 31.1 23.3 43.3

83 13.2 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: 8.161 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.01 min

Lab File: VV016355.D

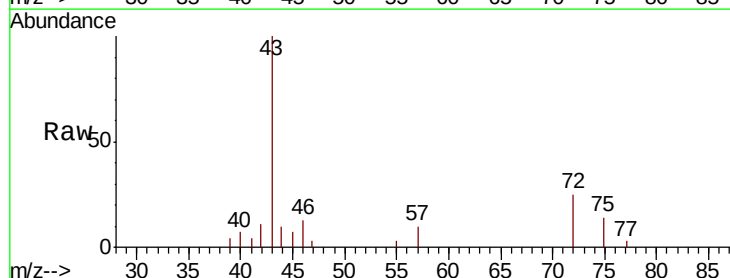
Acq: 30 May 2020 13:15

Tgt Ion: 43 Resp: 12787

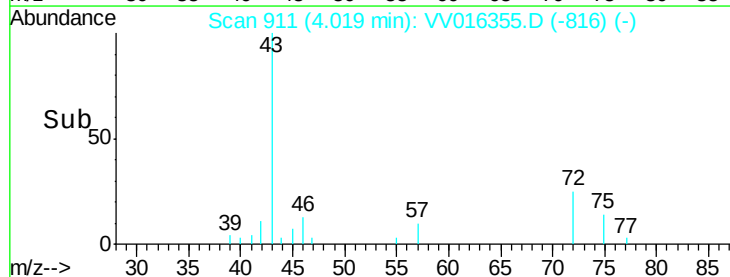
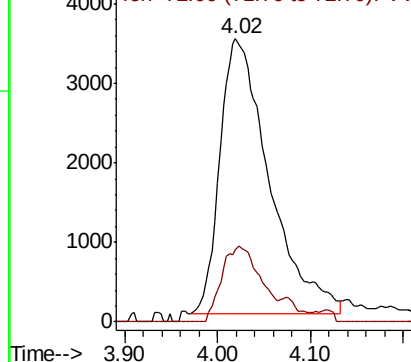
Ion Ratio Lower Upper

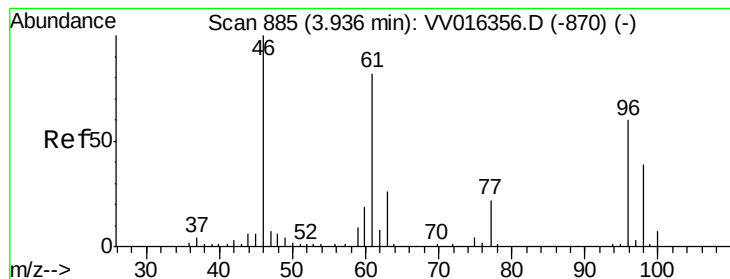
43 100

72 21.5 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: 0.968 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

Instrument :
MSVOA_V
ClientSampleId :

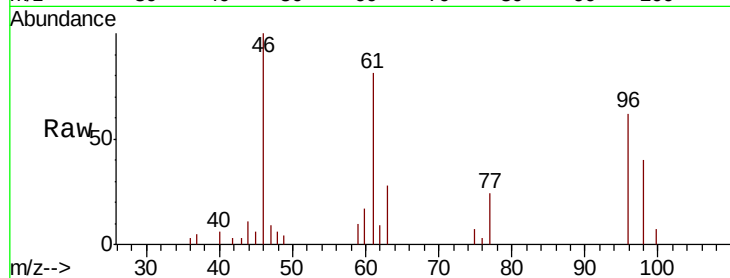
Tot Ion: 96 Resp: 5846

Ion Ratio Lower Upper

96 100

61 131.4 94.8 176.0

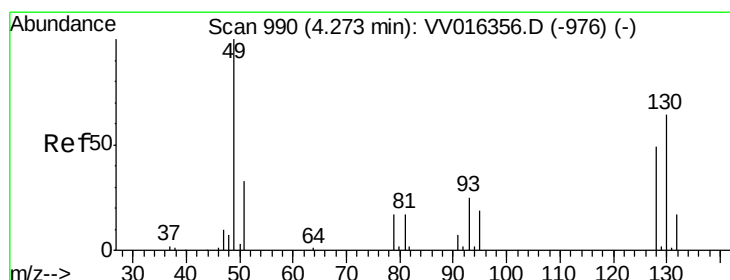
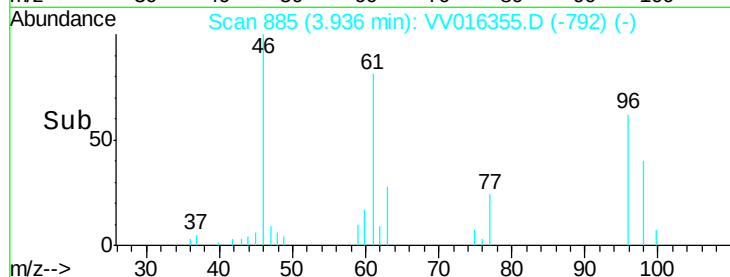
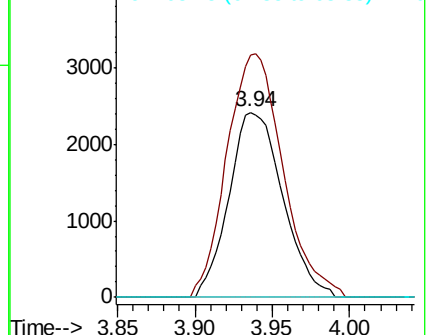
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV016355.D (-897) (-)

Ion 61.05 (60.75 to 61.75): VV016355.D (-897) (-)

Ion 68.15 (67.85 to 68.85): VV016355.D (-897) (-)



#23

Bromochloromethane

Concen: 0.906 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

Tgt Ion: 128 Resp: 2209

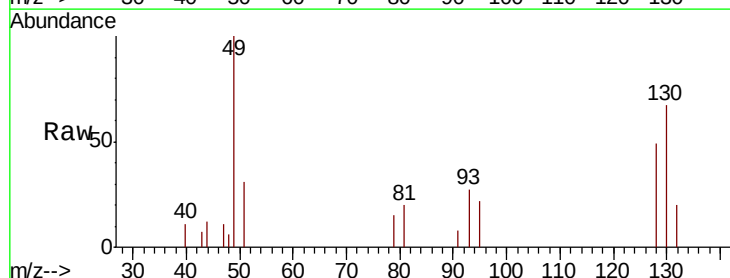
Ion Ratio Lower Upper

128 100

49 202.6 141.5 262.9

130 136.7 90.4 167.8

51 62.0 53.5 80.3

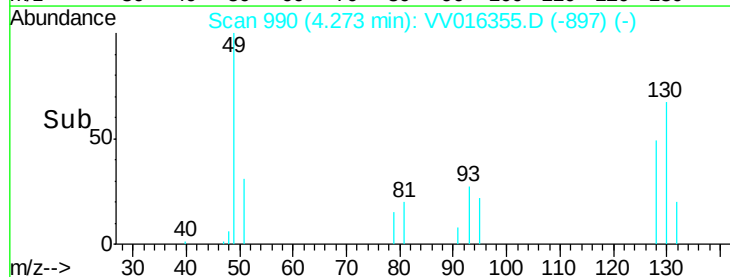
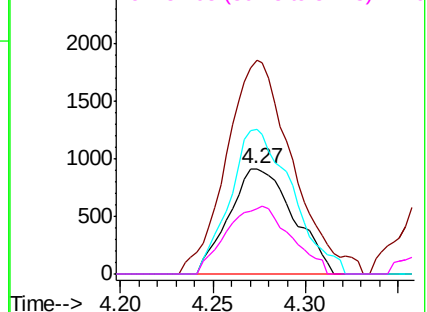


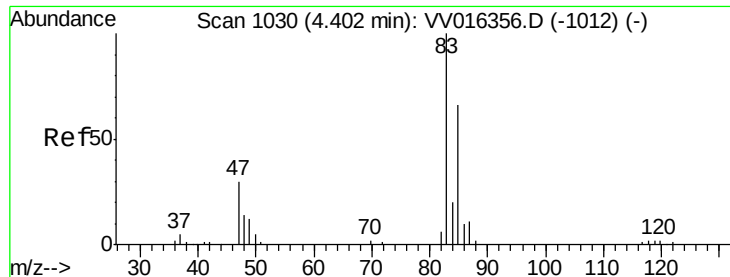
Abundance Ion 127.90 (127.60 to 128.60): VV016355.D (-897) (-)

Ion 49.10 (48.80 to 49.80): VV016355.D (-897) (-)

Ion 129.95 (129.65 to 130.65): VV016355.D (-897) (-)

Ion 51.05 (50.75 to 51.75): VV016355.D (-897) (-)

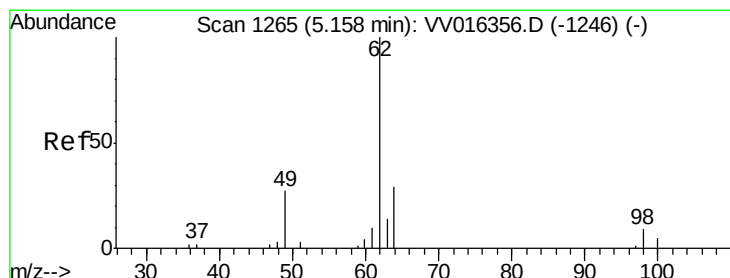
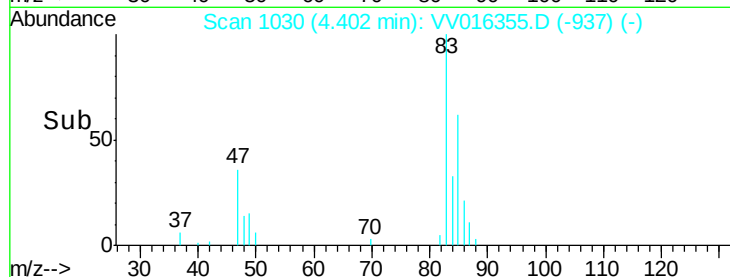
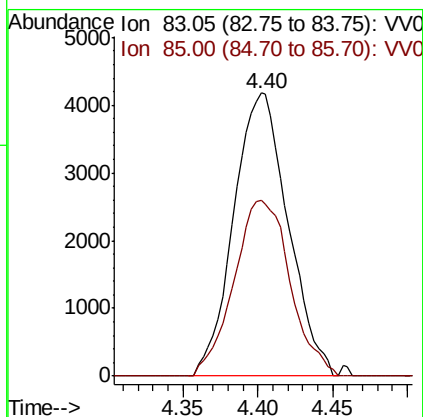
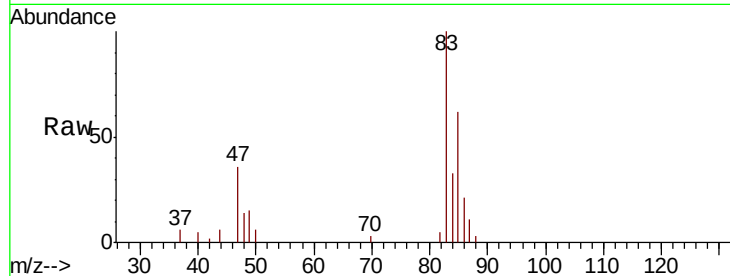




#25
Chloroform
Concen: 0.957 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

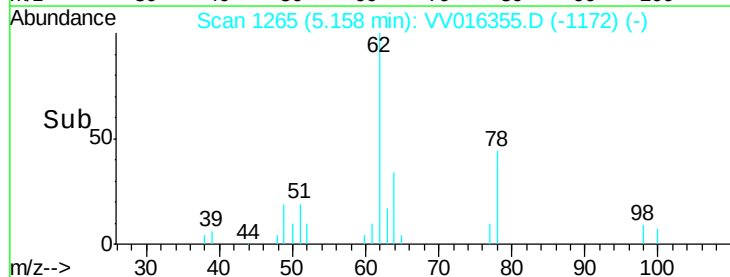
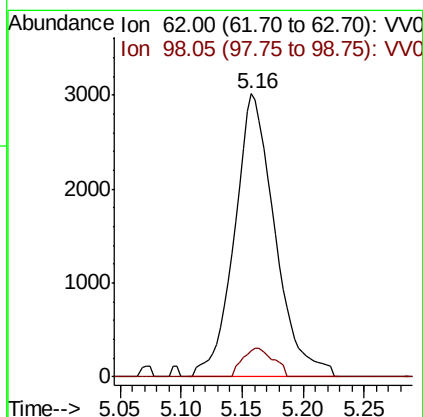
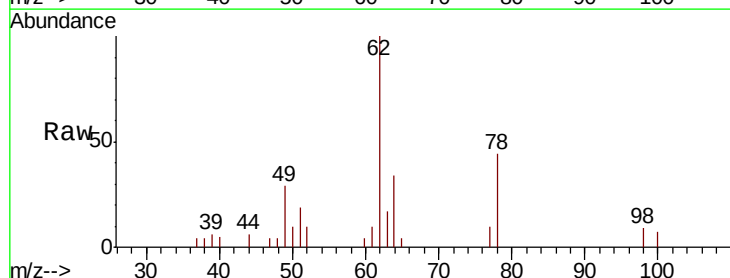
Instrument :
MSVOA_V
ClientSampleId :

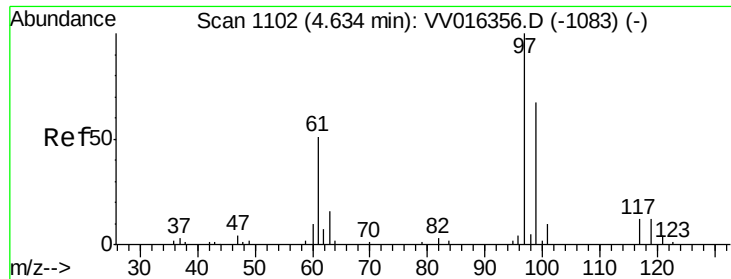
Tot Ion: 83 Resp: 10570
Ion Ratio Lower Upper
83 100
85 62.1 45.8 85.2



#27
1,2-Dichloroethane
Concen: 0.936 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

Tgt Ion: 62 Resp: 6908
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.4

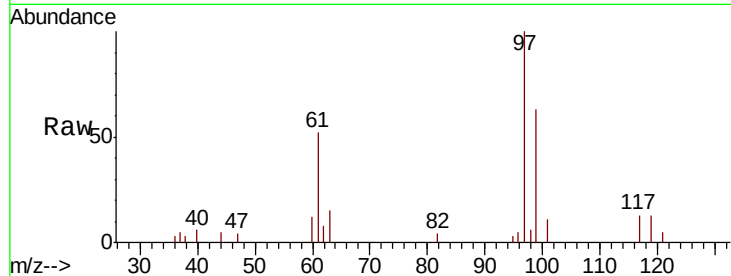




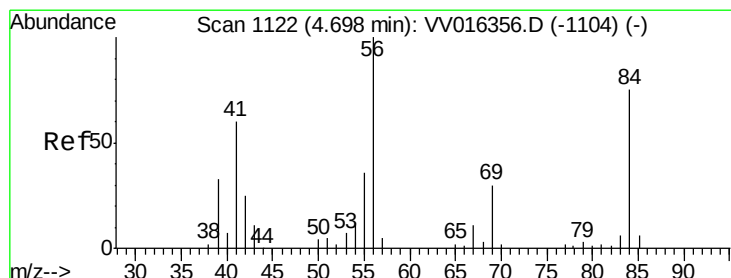
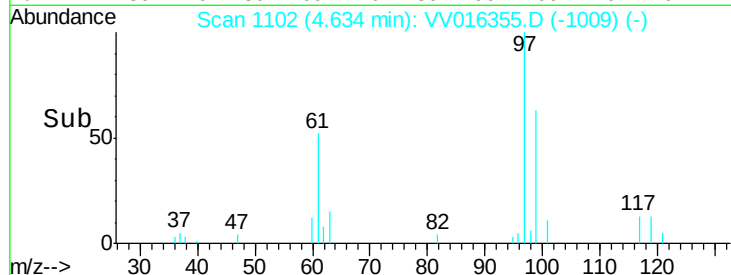
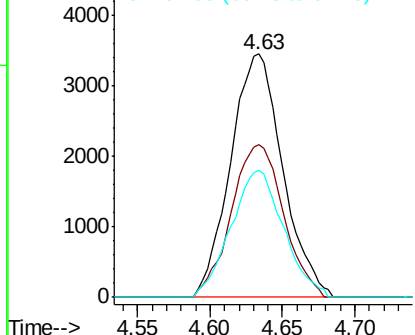
#29
 1,1,1-Trichloroethane
 Concen: 0.911 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 8616
 Ion Ratio Lower Upper
 97 100
 99 62.8 52.0 78.0
 61 52.7 39.8 59.6

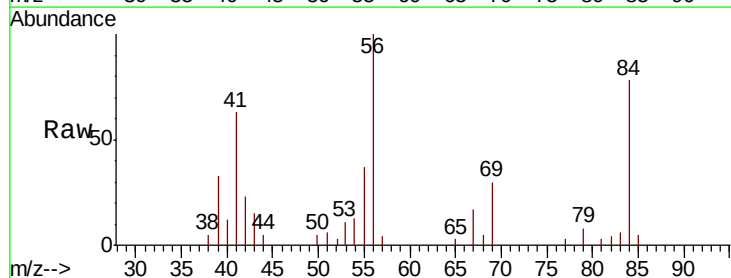


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

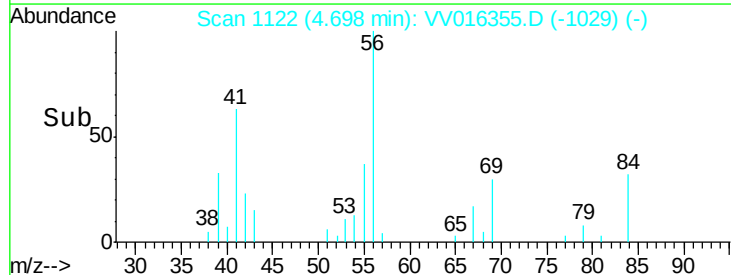
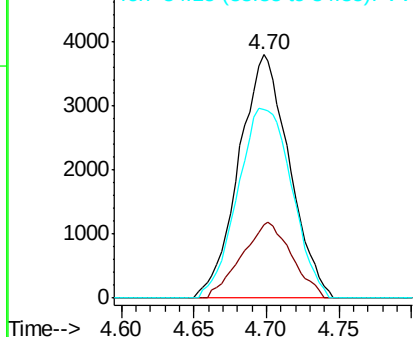


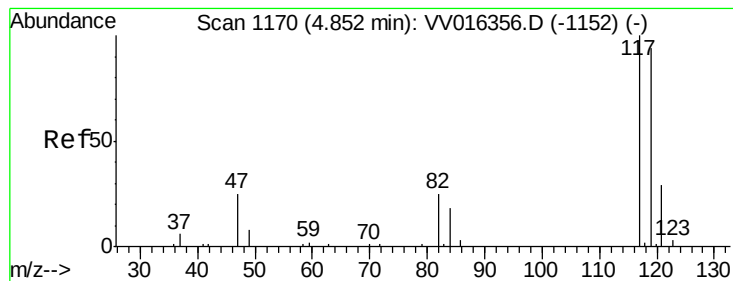
#30
 Cyclohexane
 Concen: 0.904 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Tgt Ion: 56 Resp: 9130
 Ion Ratio Lower Upper
 56 100
 69 30.8 23.5 35.3
 84 84.1 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: 0.899 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

Instrument :

MSVOA_V

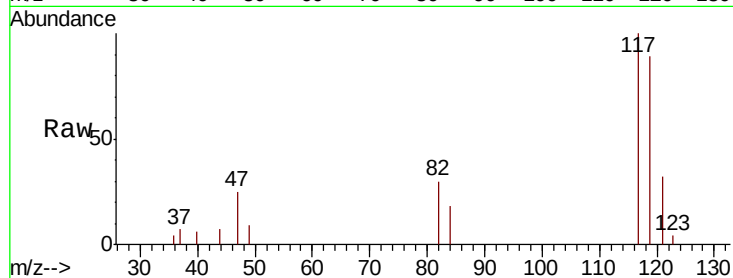
ClientSampleId :

Tot Ion:117 Resp: 7358

Ion Ratio Lower Upper

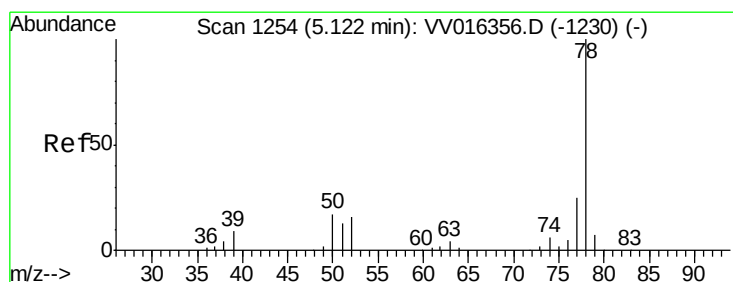
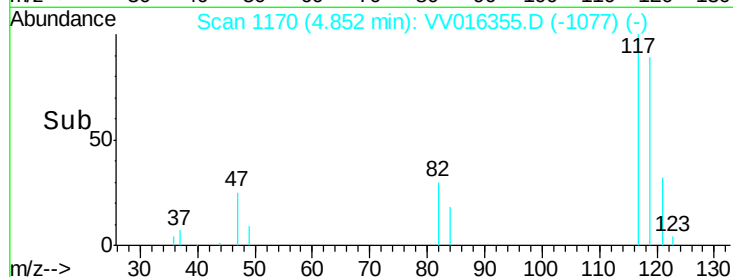
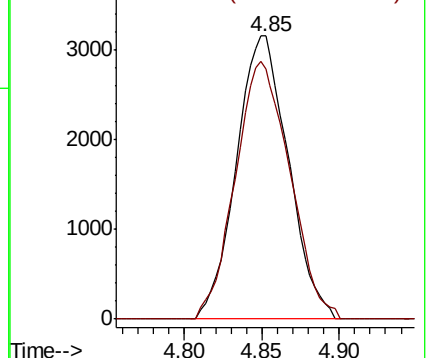
117 100

119 95.4 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: 0.929 ug/L

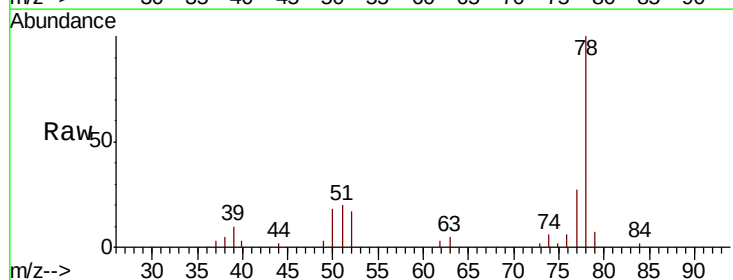
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

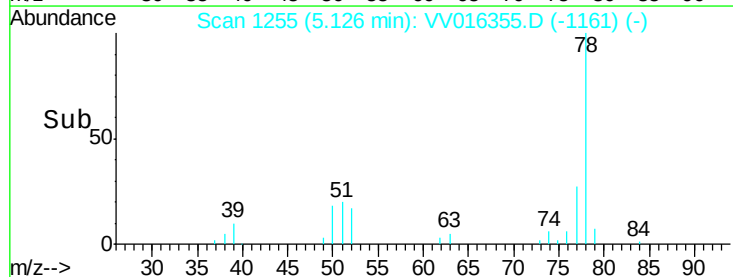
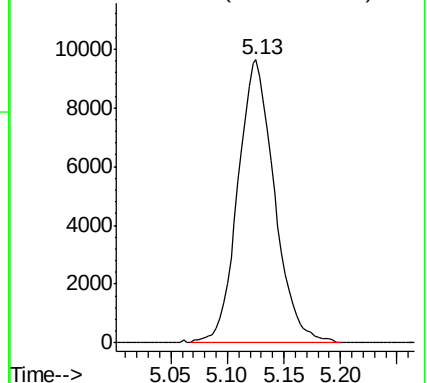
Lab File: VV016355.D

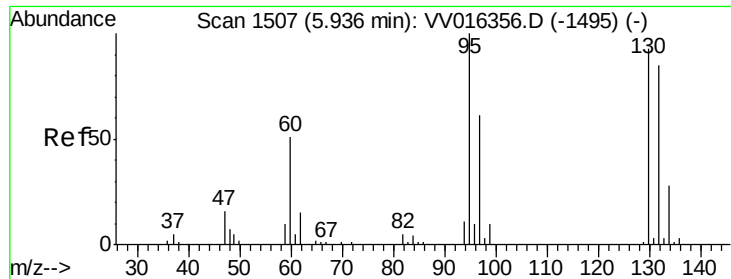
Acq: 30 May 2020 13:15

Tgt Ion: 78 Resp: 21715



Abundance Ion 78.10 (77.80 to 78.80): VV0

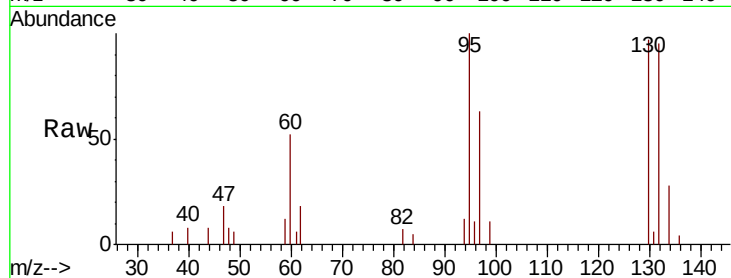




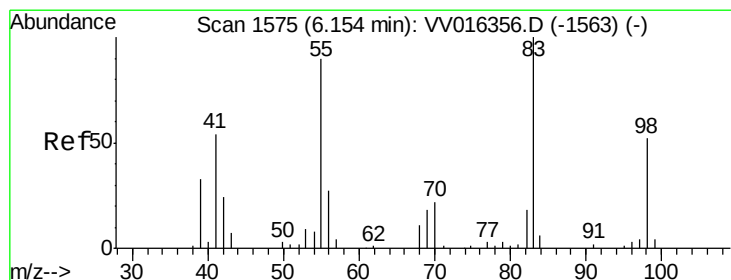
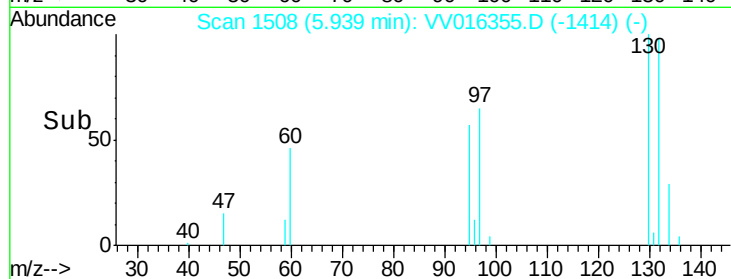
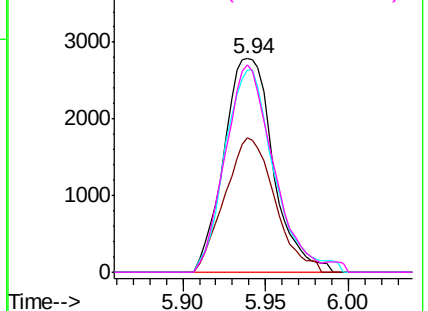
#34
 Trichloroethene
 Concen: 0.931 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 5735
 Ion Ratio Lower Upper
 95 100
 97 62.8 42.6 79.0
 132 94.5 59.6 110.8
 130 96.9 64.8 120.4

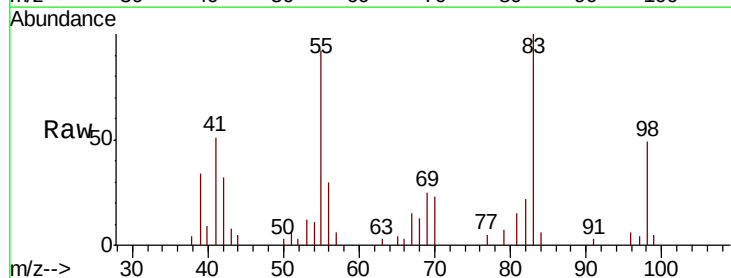


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

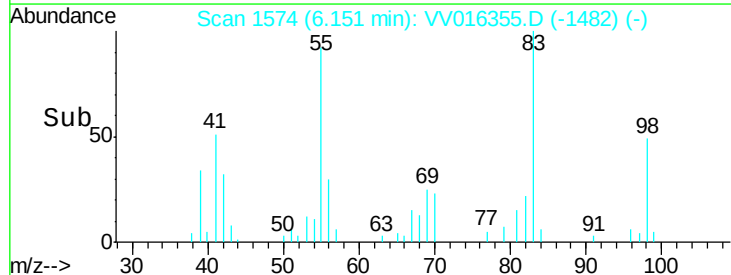
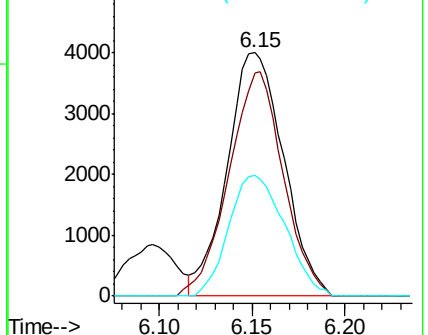


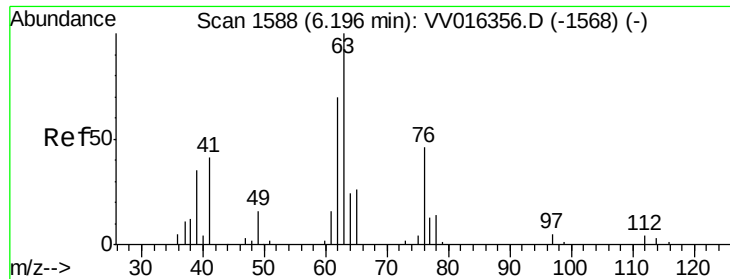
#35
 Methylcyclohexane
 Concen: 0.858 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Tgt Ion: 83 Resp: 8436
 Ion Ratio Lower Upper
 83 100
 55 88.8 67.0 100.4
 98 49.4 39.0 58.4



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

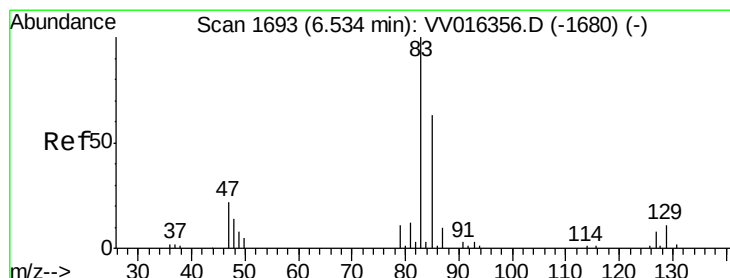
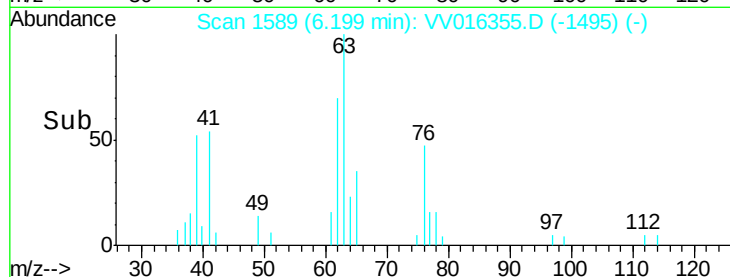
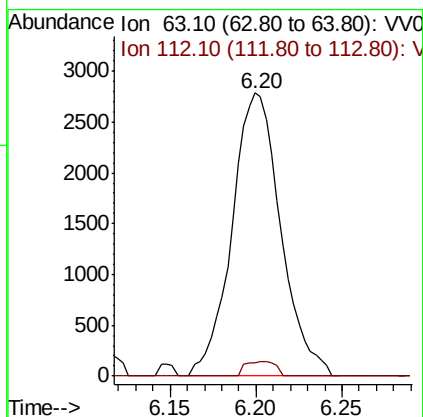
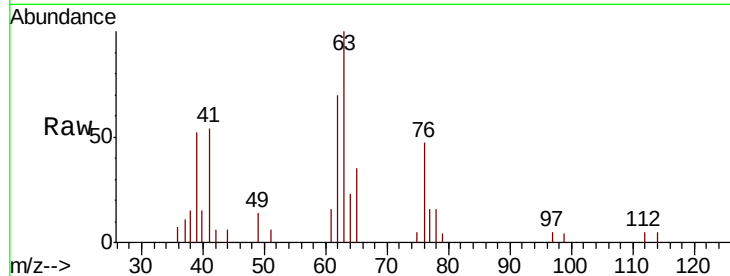




#37
 1,2-Dichloropropane
 Concen: 0.901 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

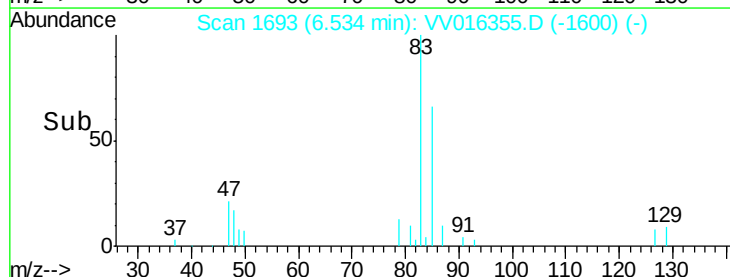
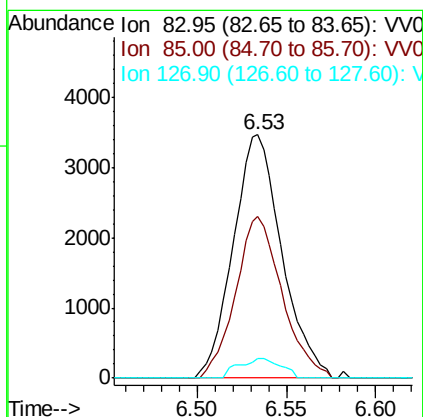
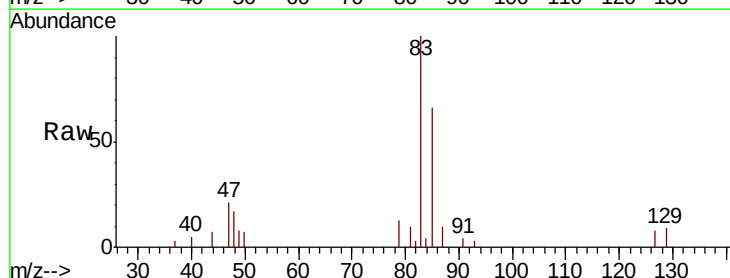
Instrument :
 MSVOA_V
 ClientSampleId :

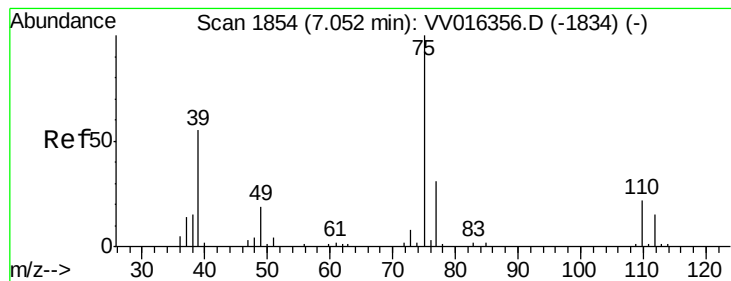
Tot Ion: 63 Resp: 5508
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.4 5.0#



#38
 Bromodichloromethane
 Concen: 0.924 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Tgt Ion: 83 Resp: 6585
 Ion Ratio Lower Upper
 83 100
 85 66.5 44.2 82.2
 127 8.1 6.3 9.5



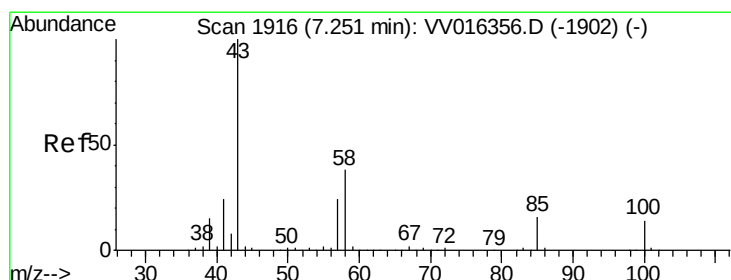
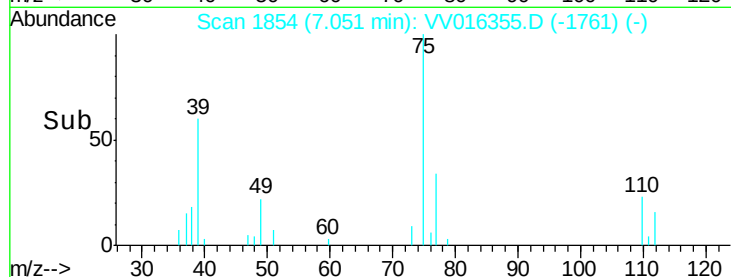
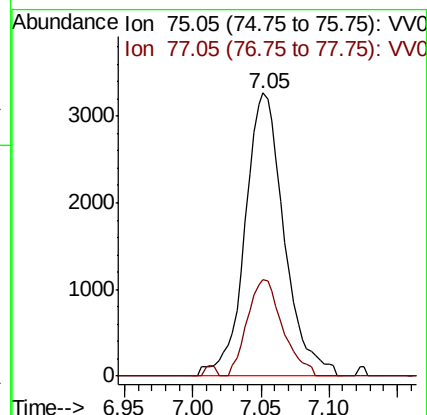
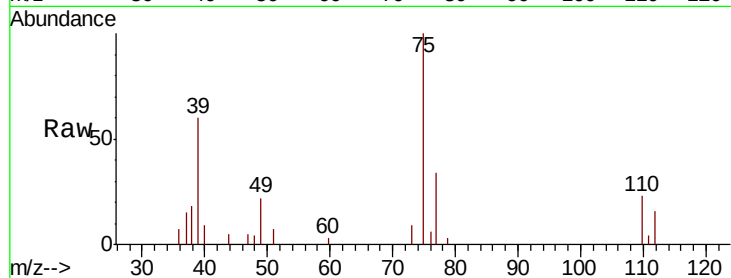


#39

cis-1,3-Dichloropropene
 Concen: 0.833 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Instrument :
 MSVOA_V
 ClientSampleId :

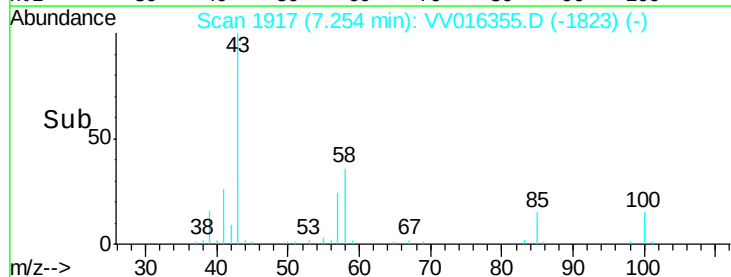
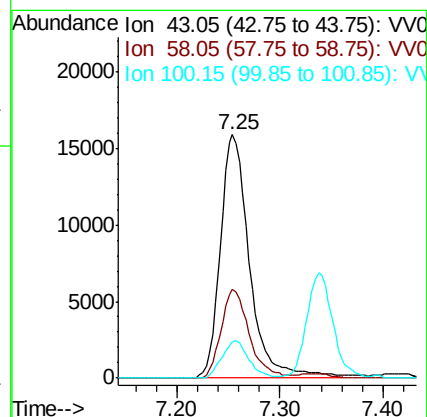
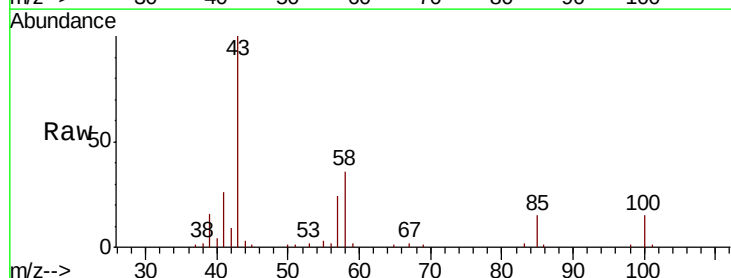
Tot Ion: 75 Resp: 6504
 Ion Ratio Lower Upper
 75 100
 77 34.0 22.0 41.0

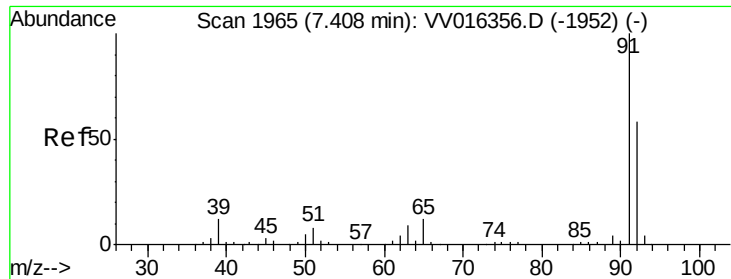


#40

4-Methyl-2-pentanone
 Concen: 8.571 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Tgt Ion: 43 Resp: 31234
 Ion Ratio Lower Upper
 43 100
 58 35.0 29.5 44.3
 100 14.0 11.0 16.6





#42

Toluene

Concen: 0.870 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

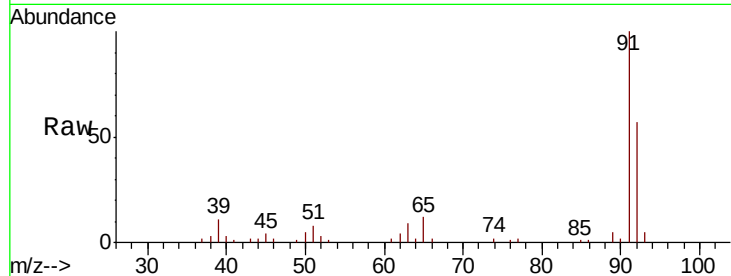
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 22306

Ion Ratio Lower Upper

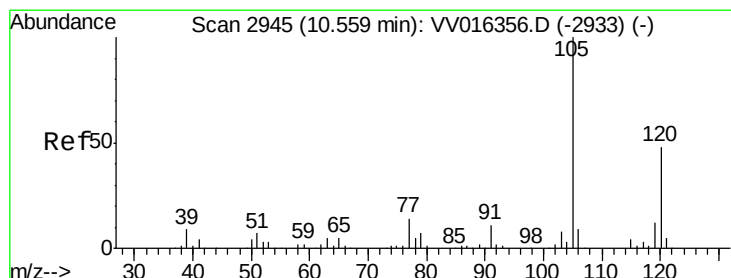
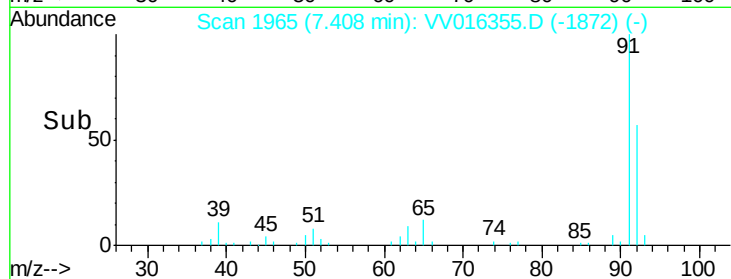
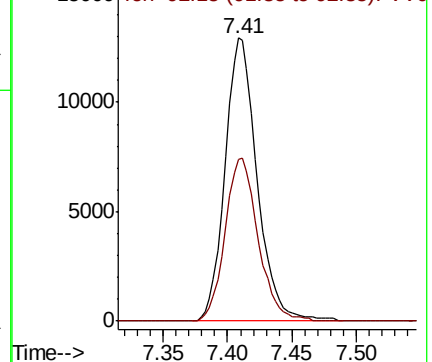
91 100

92 56.9 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV016355.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV016355.D (-1872) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.767 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV016355.D

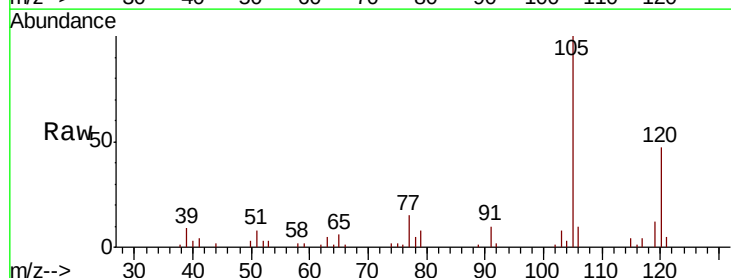
Acq: 30 May 2020 13:15

Tgt Ion: 105 Resp: 18061

Ion Ratio Lower Upper

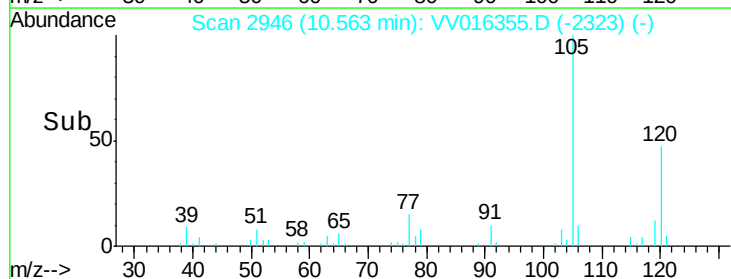
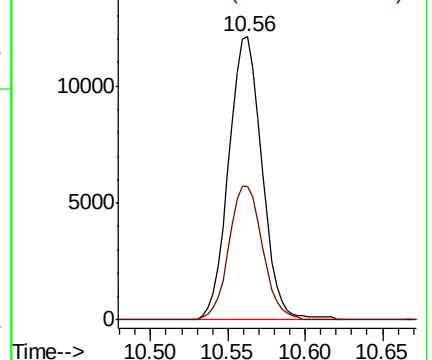
105 100

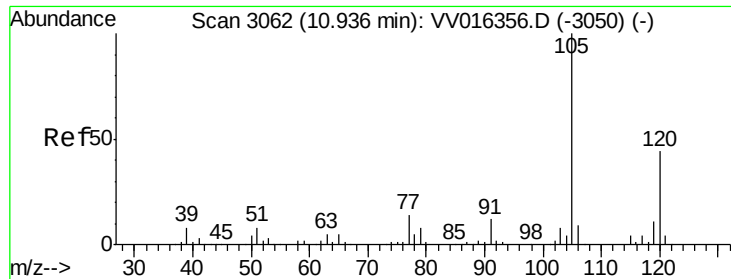
120 47.6 37.5 56.3



Abundance Ion 105.00 (104.70 to 105.70): VV016355.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV016355.D (-2323) (-)

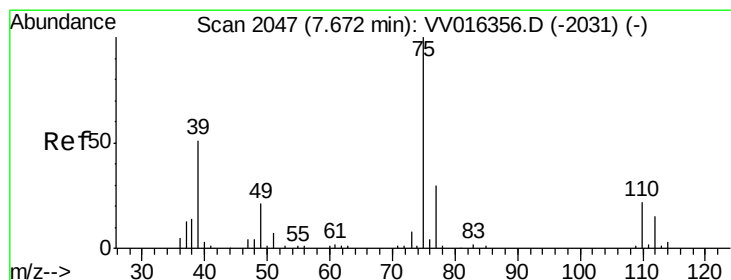
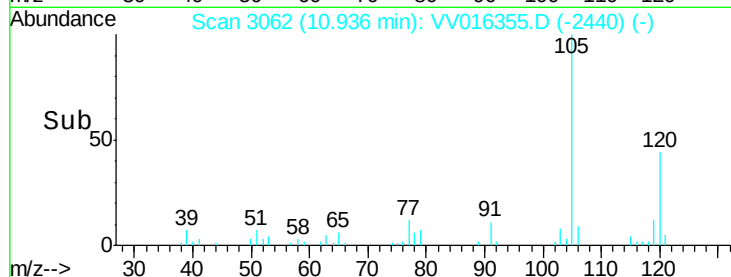
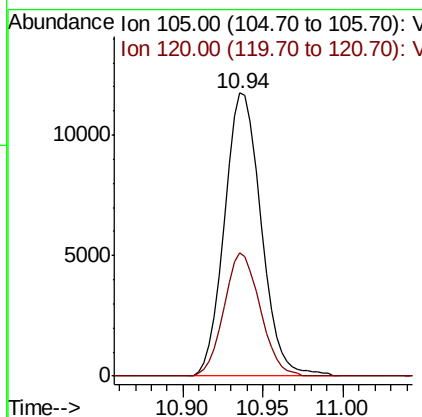
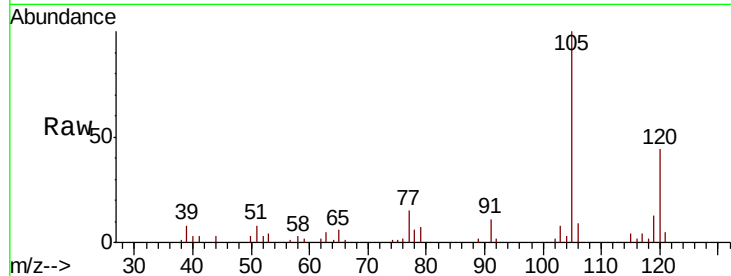




#44
1,2,4-Trimethylbenzene
Concen: 0.773 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

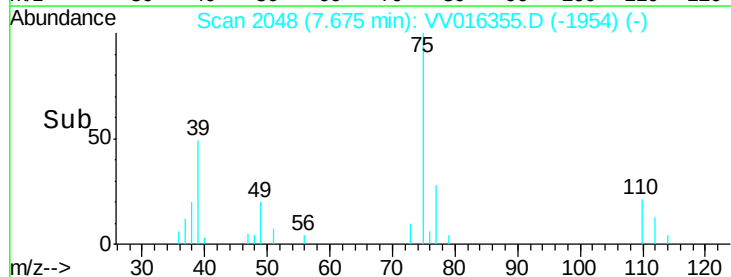
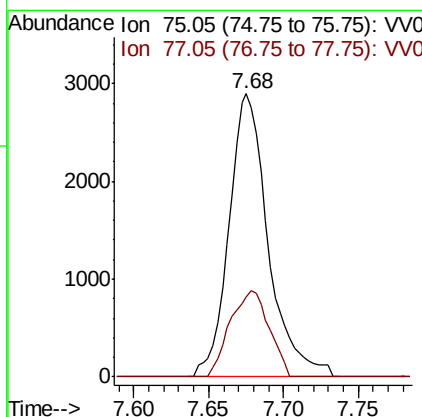
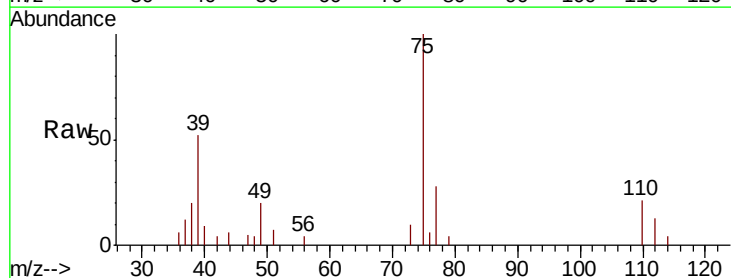
Instrument :
MSVOA_V
ClientSampled :

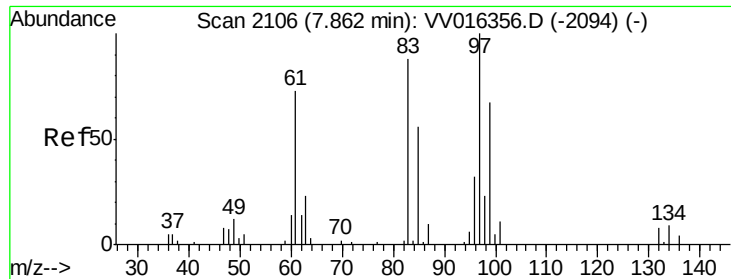
Tot Ion:105 Resp: 18400
Ion Ratio Lower Upper
105 100
120 42.8 35.5 53.3



#46
trans-1,3-Dichloropropene
Concen: 0.788 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

Tgt Ion: 75 Resp: 5285
Ion Ratio Lower Upper
75 100
77 28.4 21.1 39.3

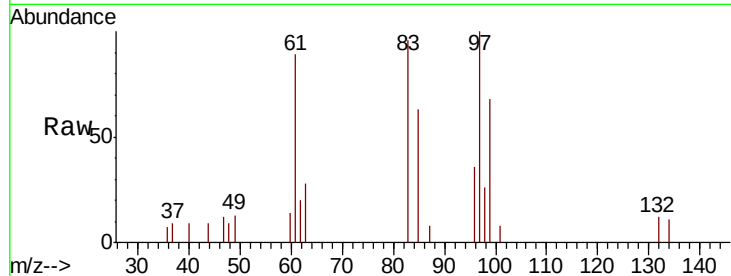




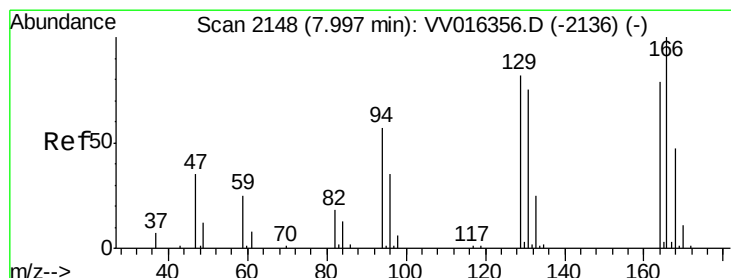
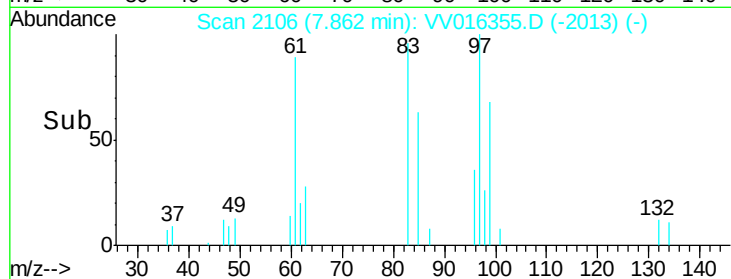
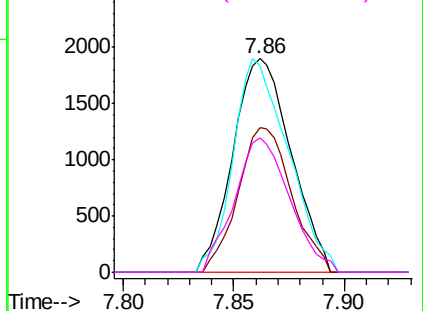
#47
 1,1,2-Trichloroethane
 Concen: 0.910 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	3459
Ion	Ratio	Lower	Upper
97	100		
99	67.8	47.0	87.2
83	96.5	61.7	114.5
85	62.9	39.1	72.5

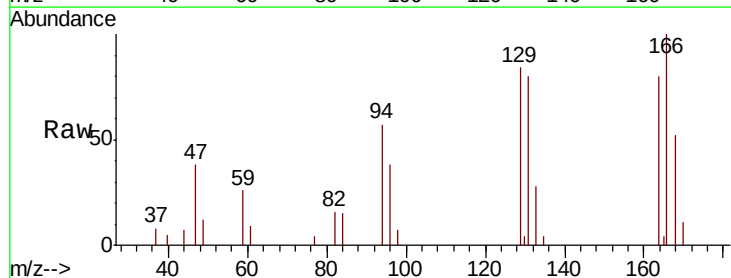


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

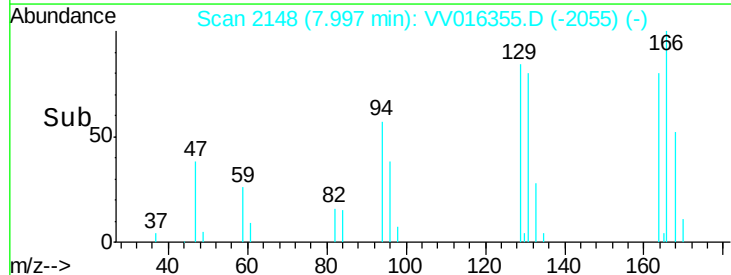
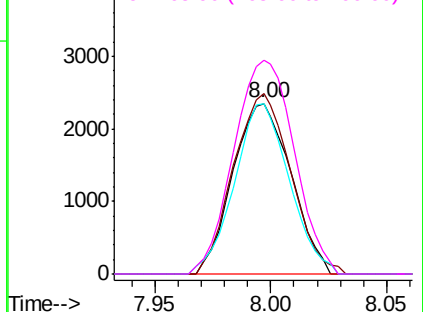


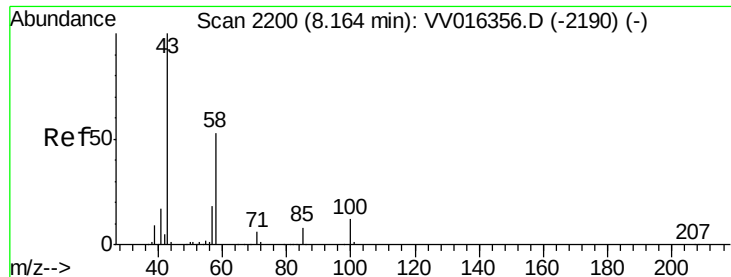
#49
 Tetrachloroethene
 Concen: 0.928 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Tgt Ion:	164	Resp:	4088
Ion	Ratio	Lower	Upper
164	100		
129	105.6	72.2	134.0
131	99.8	65.8	122.2
166	125.1	88.3	163.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

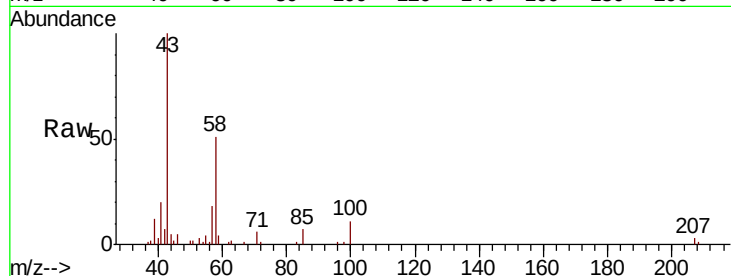




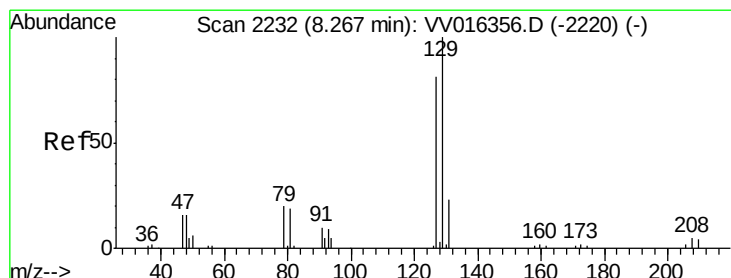
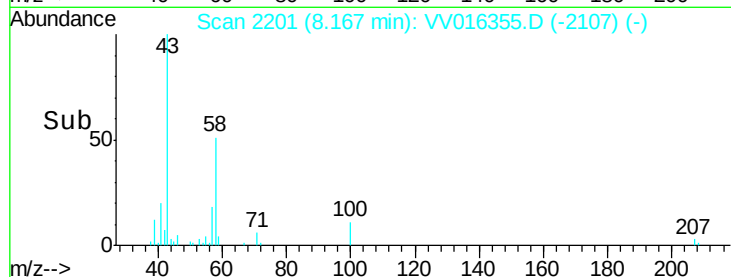
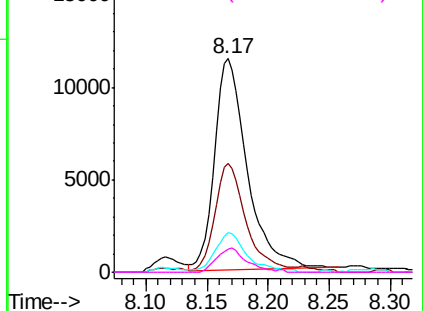
#50
2-Hexanone
Concen: 8.329 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 21574
Ion Ratio Lower Upper
43 100
58 49.0 41.1 61.7
57 18.5 14.2 21.4
100 10.6 8.8 13.2

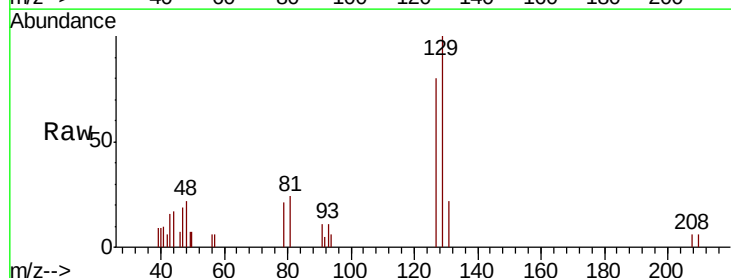


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

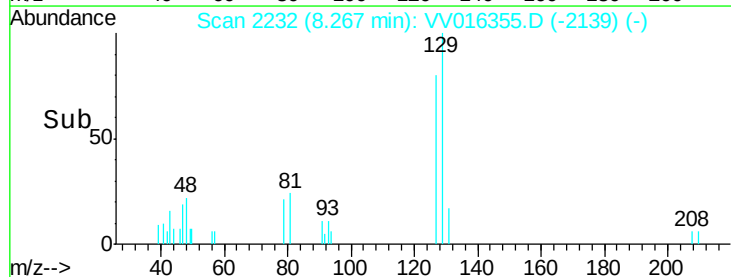
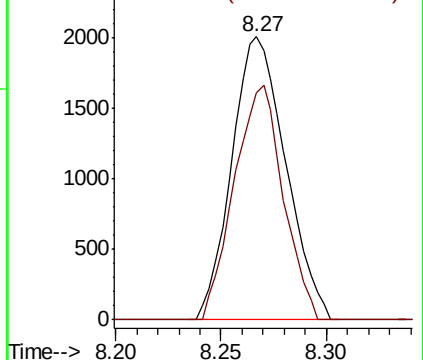


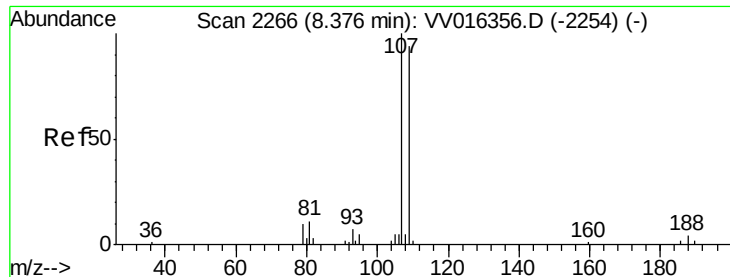
#51
Dibromochloromethane
Concen: 0.907 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

Tgt Ion: 129 Resp: 3568
Ion Ratio Lower Upper
129 100
127 80.1 57.0 105.8



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





#52

1,2-Dibromoethane

Concen: 0.948 ug/L

RT: 8.38 min Scan# 2266

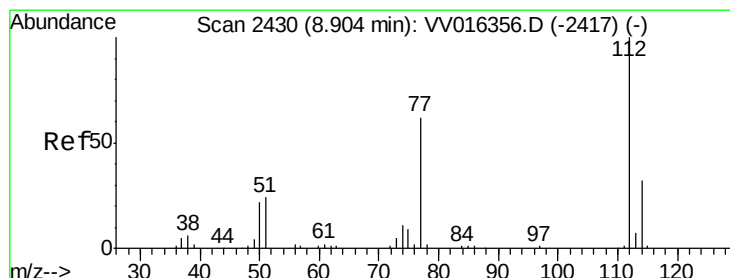
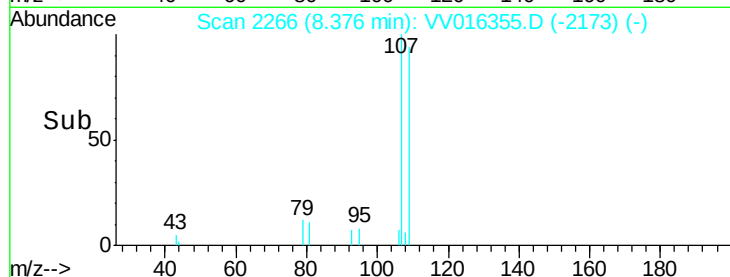
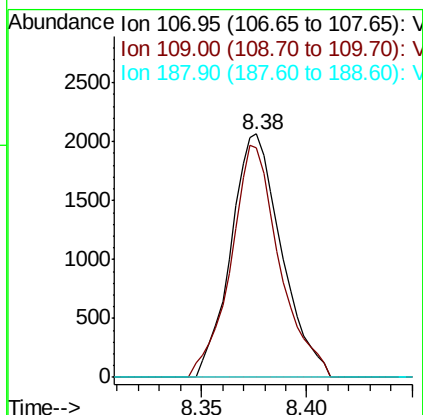
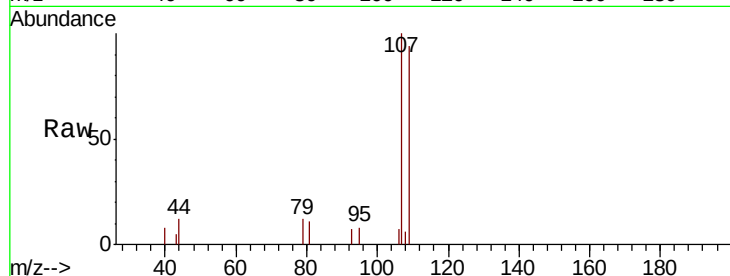
Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	107	Resp:	3434
Ion	Ratio	Lower	Upper
107	100		
109	94.5	65.9	122.3
188	0.0	3.0	4.4#



#53

Chlorobenzene

Concen: 0.933 ug/L

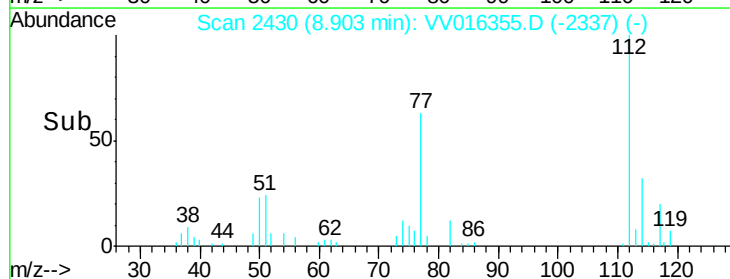
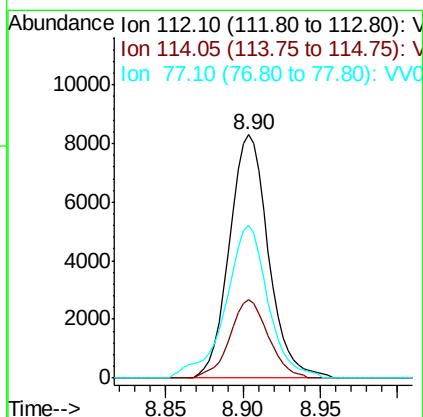
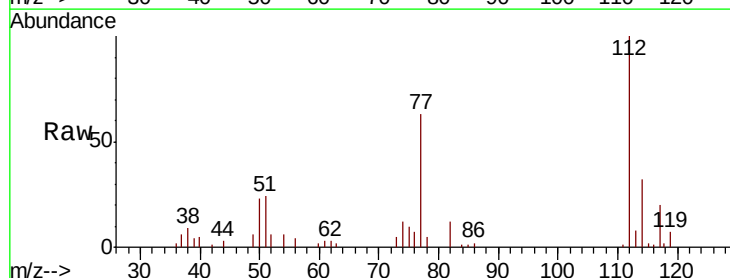
RT: 8.90 min Scan# 2430

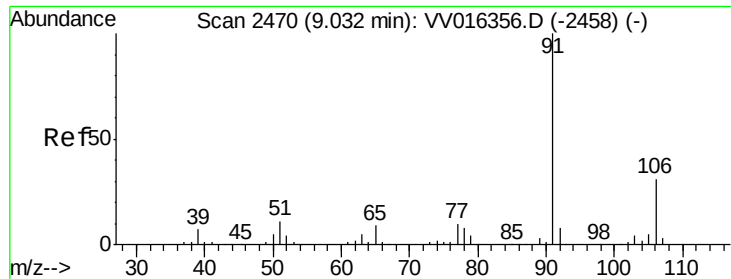
Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

Tgt Ion:	112	Resp:	14533
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.6	42.0
77	62.8	50.5	75.7

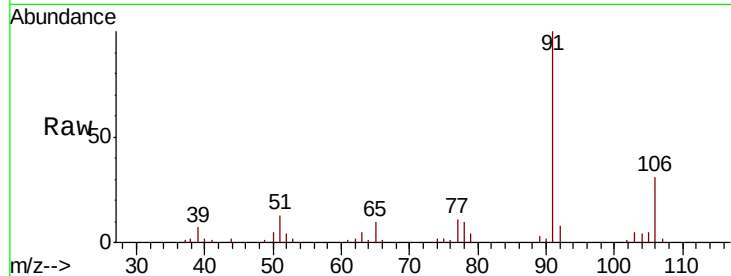




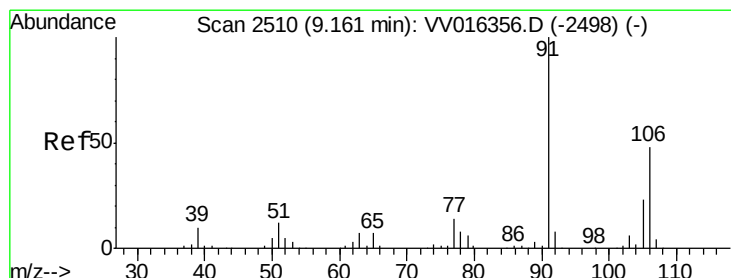
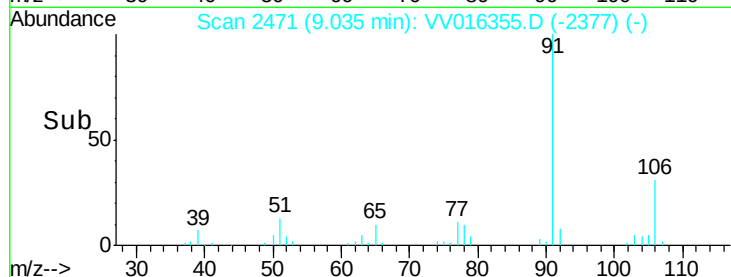
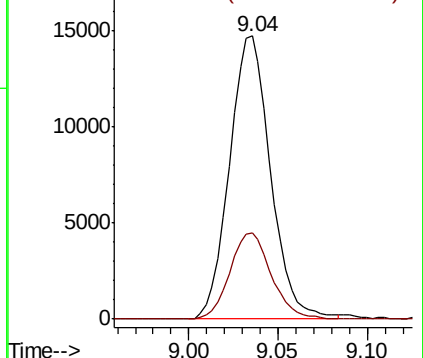
#54
Ethylbenzene
Concen: 0.837 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 23596
Ion Ratio Lower Upper
91 100
106 30.6 21.4 39.8

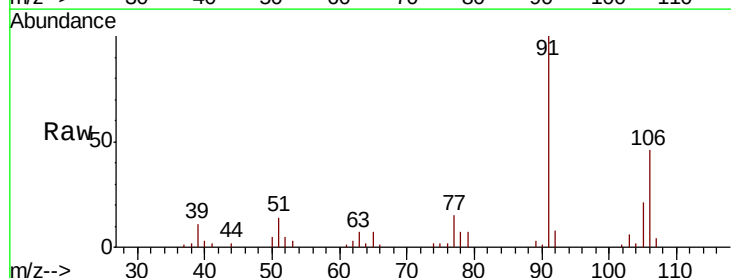


Abundance Ion 91.15 (90.85 to 91.85): VV016355.D (-2458) (-)
Ion 106.15 (105.85 to 106.85): VV016355.D (-2458) (-)

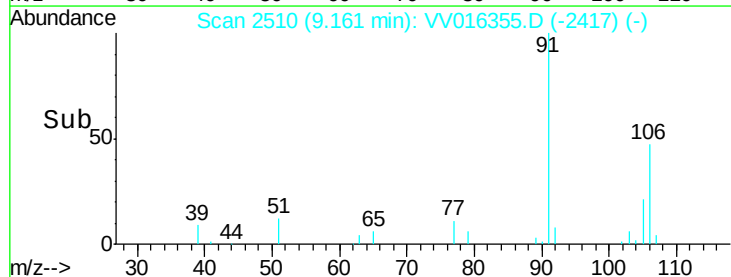
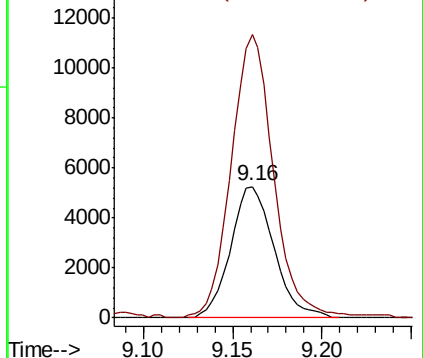


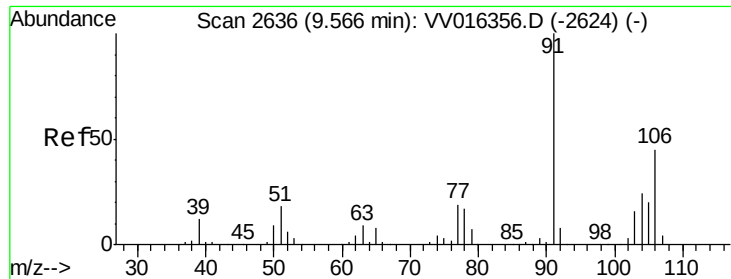
#55
m,p-xylene
Concen: 0.841 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. -0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

Tgt Ion: 106 Resp: 8886
Ion Ratio Lower Upper
106 100
91 215.8 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VV016355.D (-2498) (-)
Ion 91.15 (90.85 to 91.85): VV016355.D (-2498) (-)

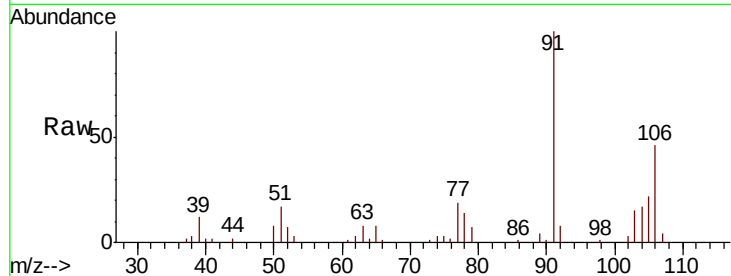




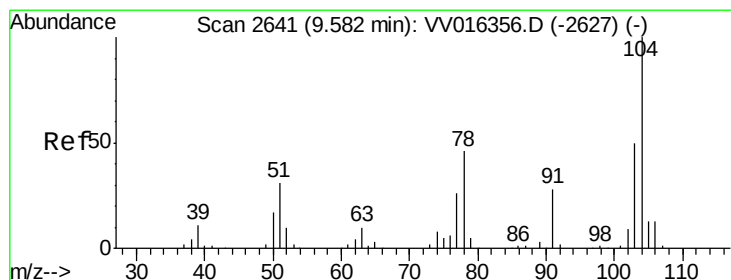
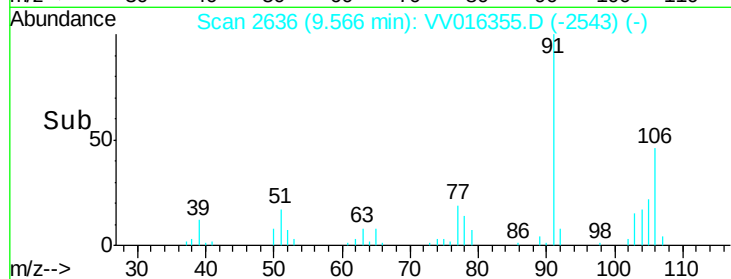
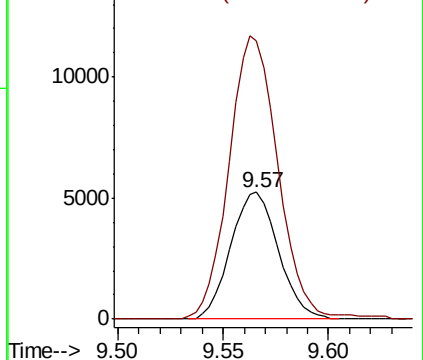
#56
o-xylene
Concen: 0.814 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 8238
Ion Ratio Lower Upper
106 100
91 219.1 155.2 288.2

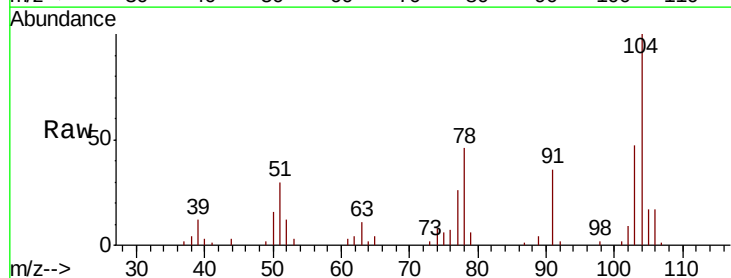


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

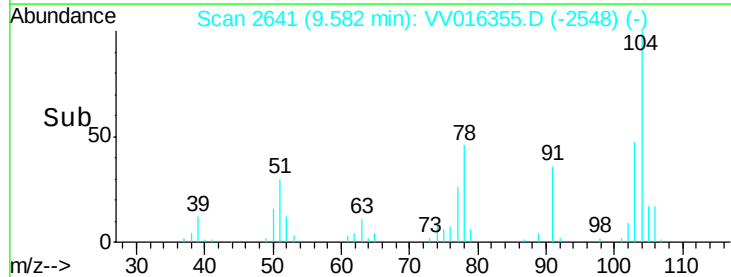
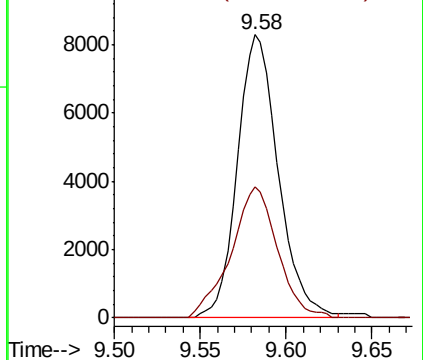


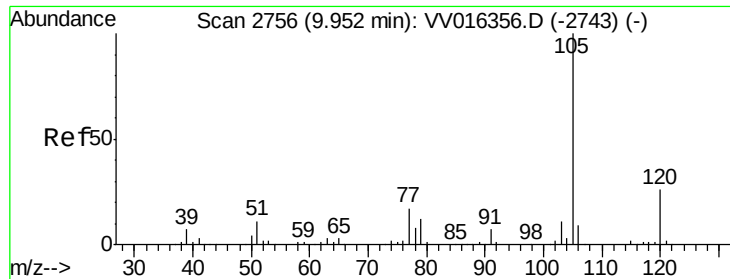
#57
Styrene
Concen: 0.789 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016355.D
Acq: 30 May 2020 13:15

Tgt Ion:104 Resp: 13768
Ion Ratio Lower Upper
104 100
78 46.2 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: 0.828 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

Instrument :
MSVOA_V
ClientSampleId :

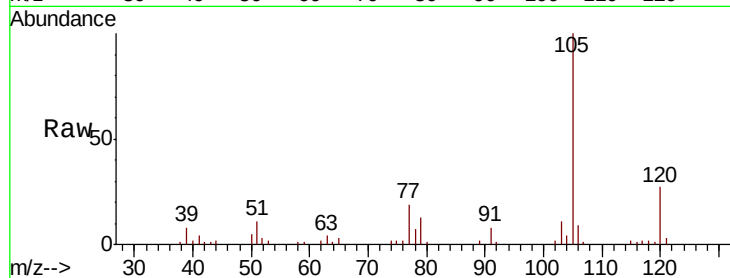
Tot Ion:105 Resp: 22619

Ion Ratio Lower Upper

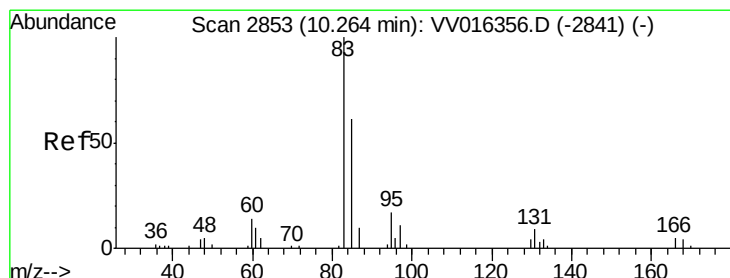
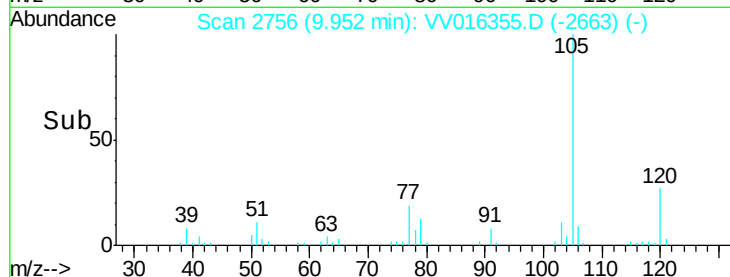
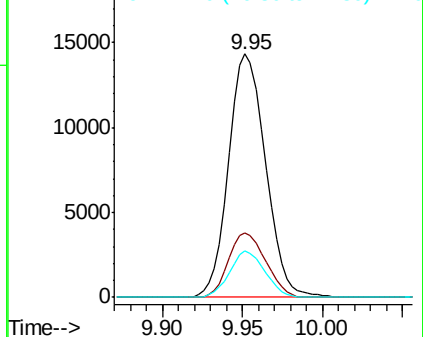
105 100

120 26.3 20.7 31.1

77 18.1 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: 0.959 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

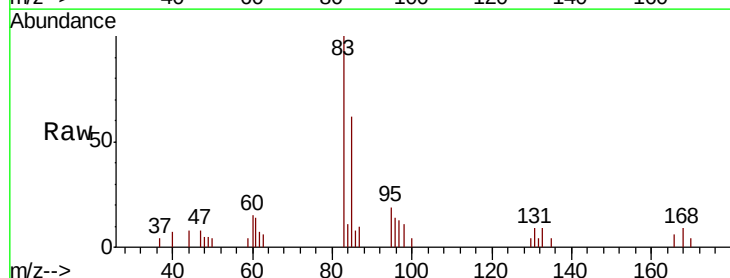
Tgt Ion: 83 Resp: 4529

Ion Ratio Lower Upper

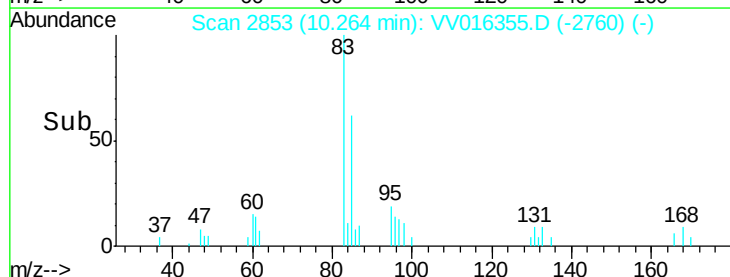
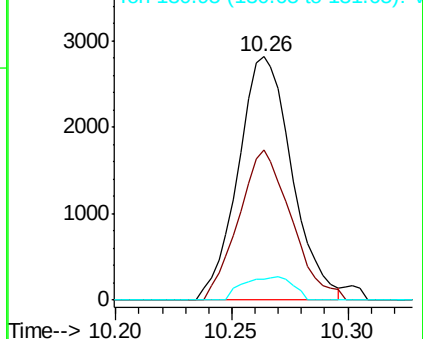
83 100

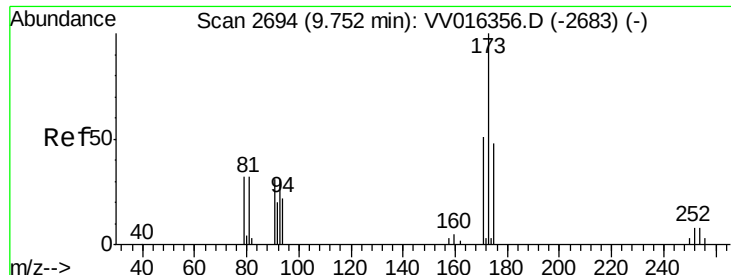
85 61.7 43.7 81.1

131 8.6 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: 0.829 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

Instrument :
MSVOA_V
ClientSampled :

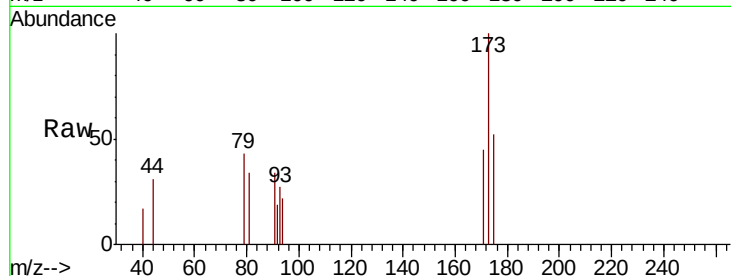
Tot Ion:173 Resp: 1313

Ion Ratio Lower Upper

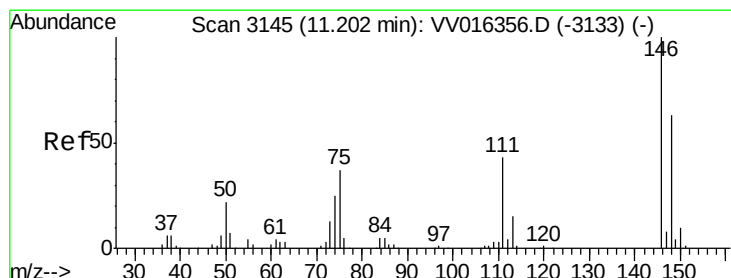
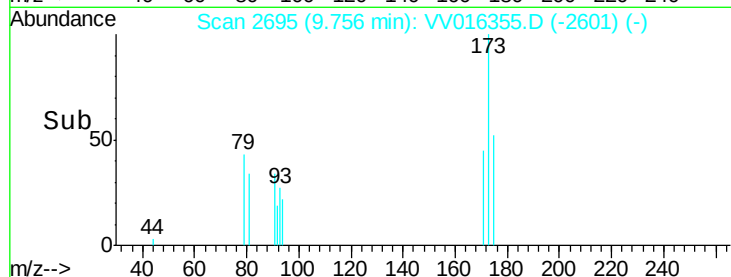
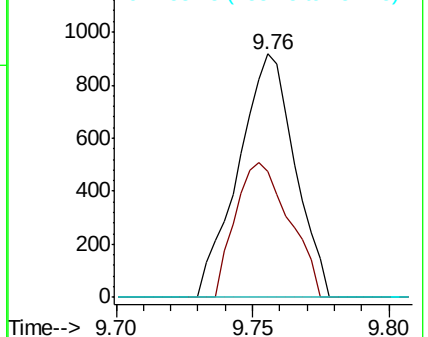
173 100

175 53.1 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: 0.915 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV016355.D

Acq: 30 May 2020 13:15

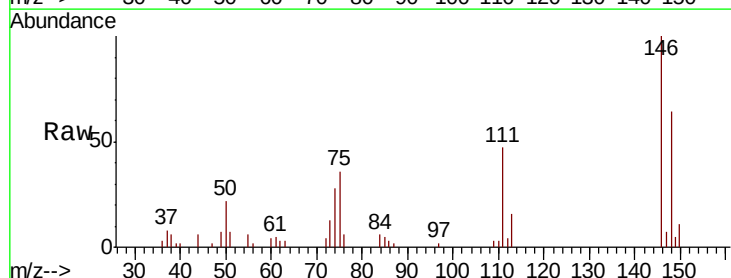
Tgt Ion:146 Resp: 10801

Ion Ratio Lower Upper

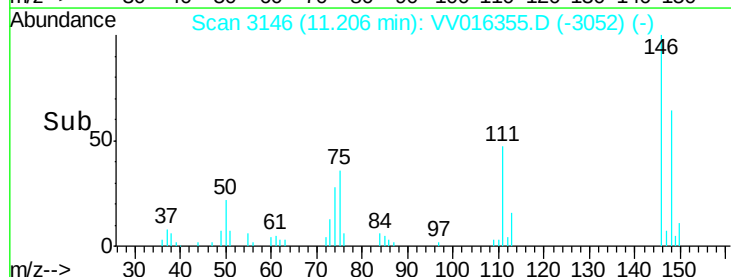
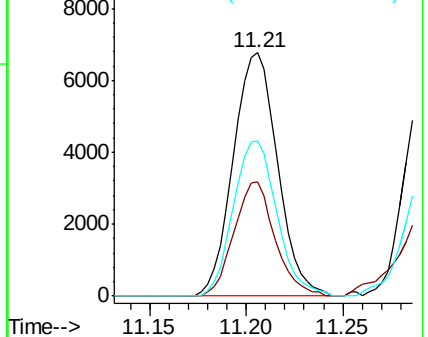
146 100

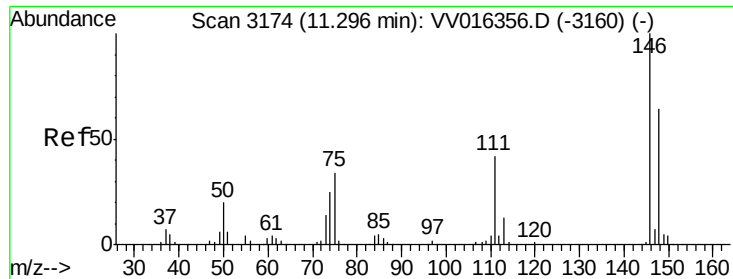
111 47.2 30.3 56.3

148 64.0 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

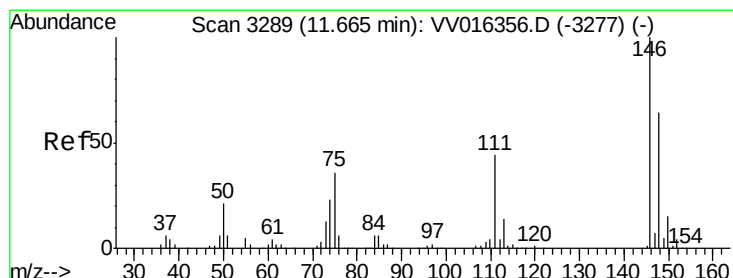
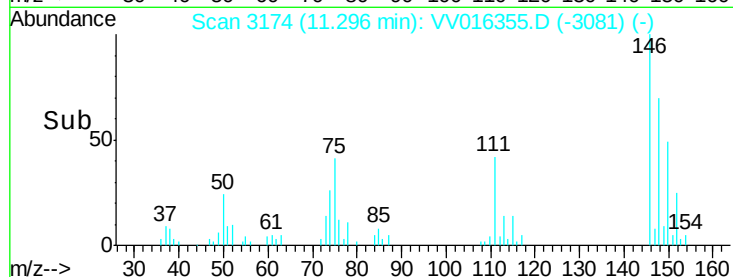
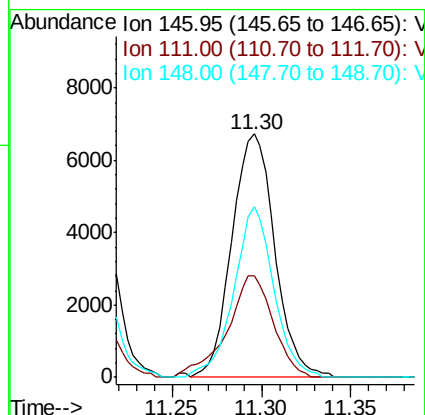
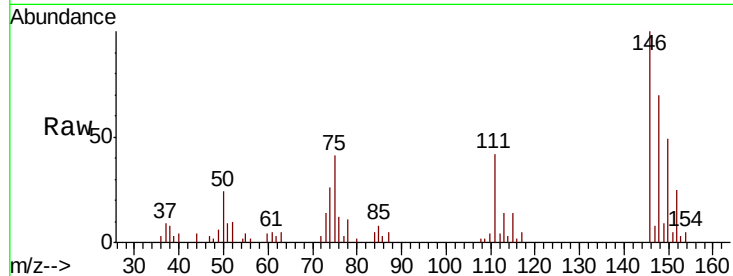




#64
 1,4-Dichlorobenzene
 Concen: 0.963 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

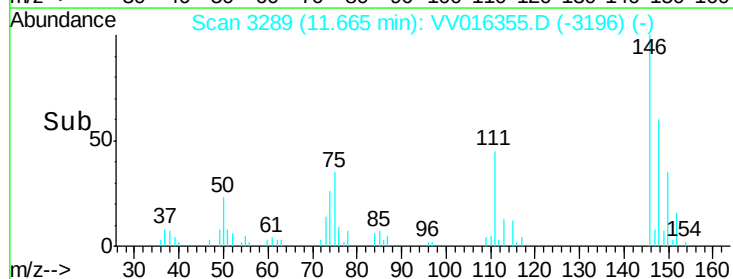
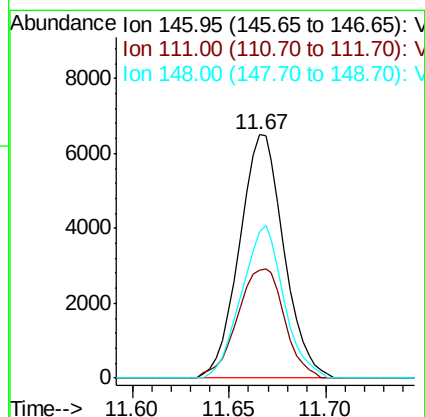
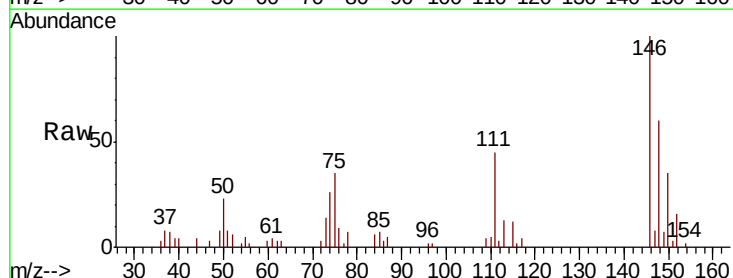
Instrument :
 MSVOA_V
 ClientSampled :

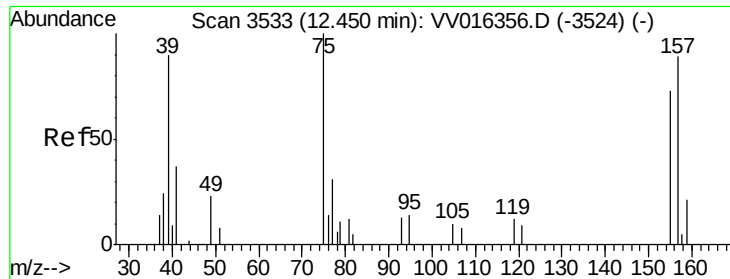
Tot Ion:146 Resp: 11309
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.6 55.0
 148 70.3 44.7 83.1



#66
 1,2-Dichlorobenzene
 Concen: 0.980 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Tgt Ion:146 Resp: 10388
 Ion Ratio Lower Upper
 146 100
 111 44.5 35.4 53.2
 148 60.0 51.0 76.4

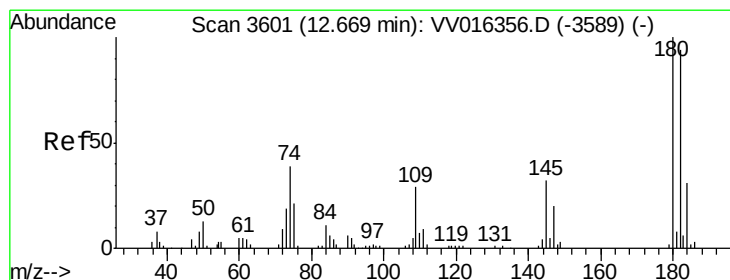
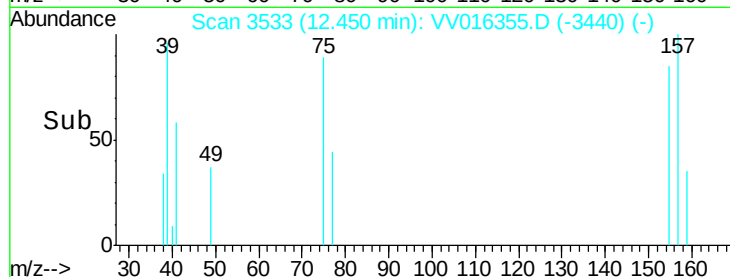
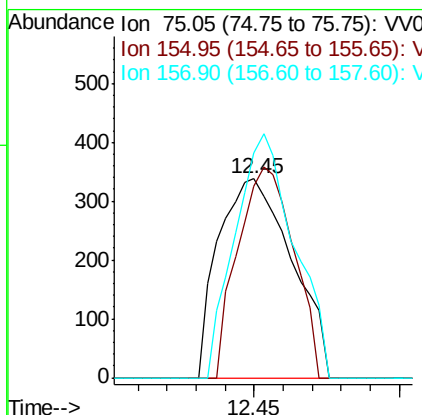
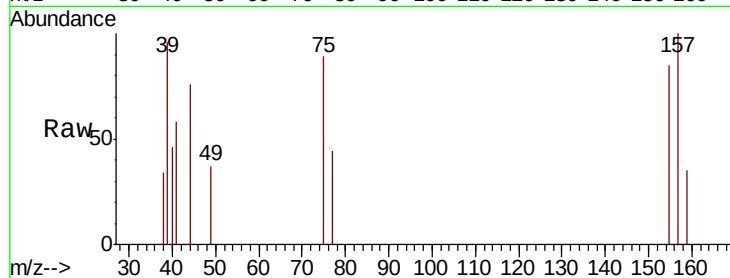




#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.870 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

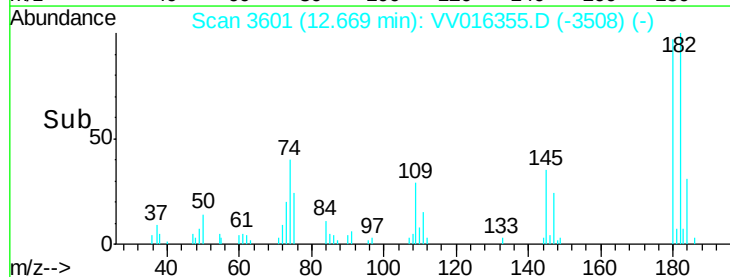
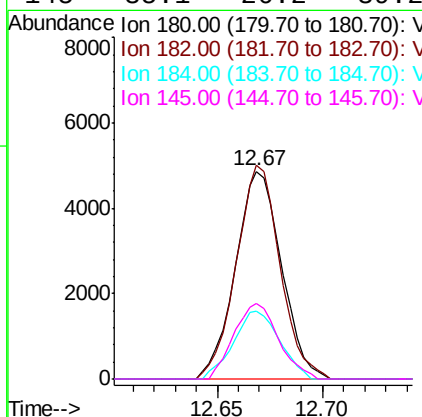
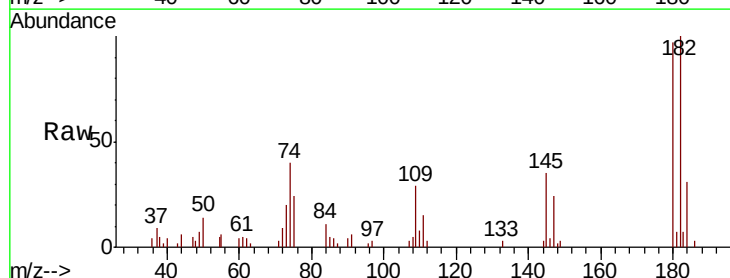
Instrument :
 MSVOA_V
 ClientSampleId :

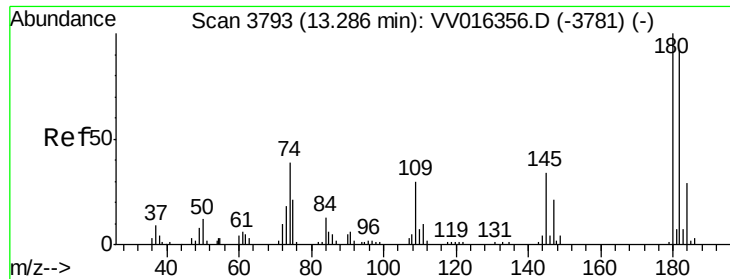
Tot Ion: 75 Resp: 596
 Ion Ratio Lower Upper
 75 100
 155 96.2 58.1 87.1#
 157 112.7 71.0 106.4#



#68
 1,3,5-Trichlorobenzene
 Concen: 0.875 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Tgt Ion: 180 Resp: 7363
 Ion Ratio Lower Upper
 180 100
 182 98.0 75.5 113.3
 184 32.8 24.2 36.2
 145 35.1 26.2 39.2

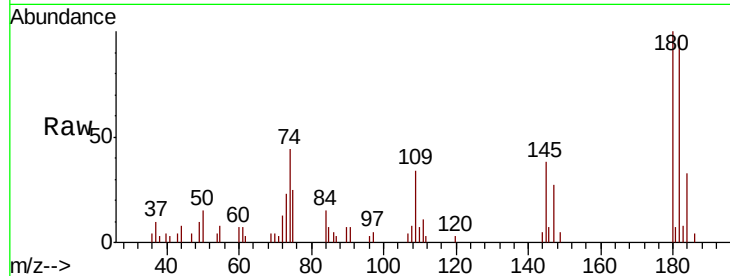




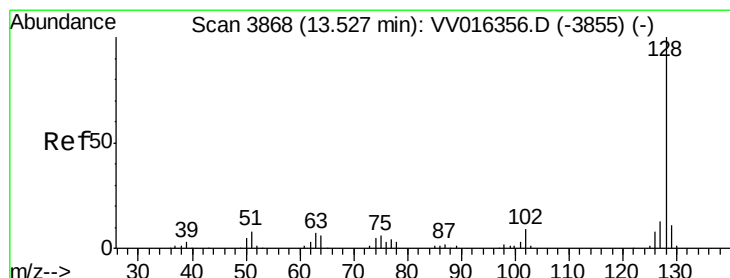
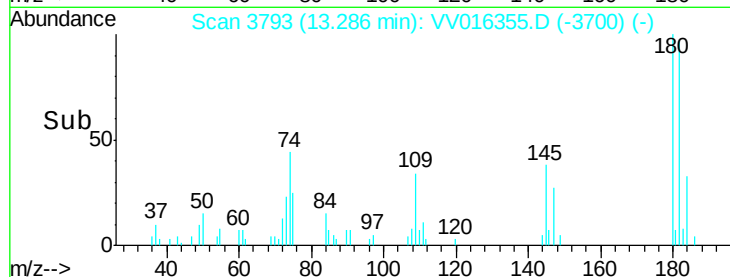
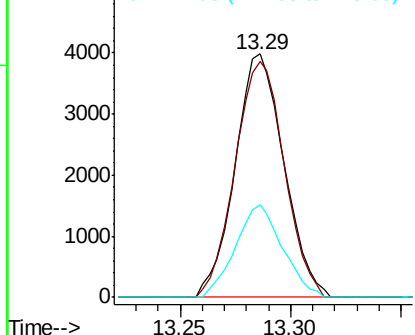
#69
 1,2,4-trichlorobenzene
 Concen: 0.874 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 6121
 Ion Ratio Lower Upper
 180 100
 182 97.7 76.4 114.6
 145 36.5 26.9 40.3

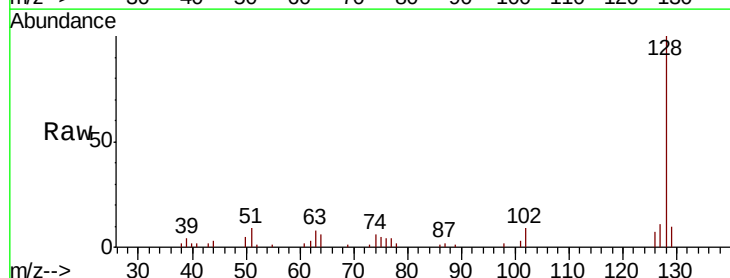


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

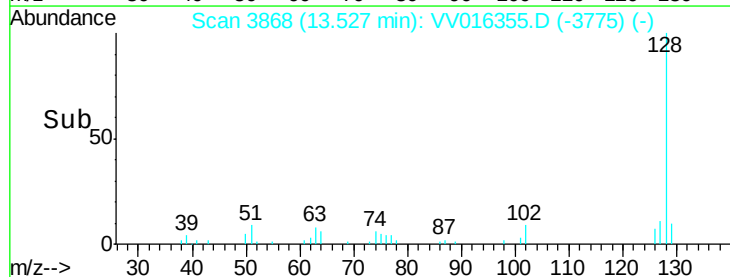
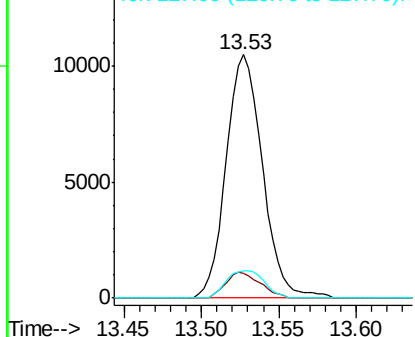


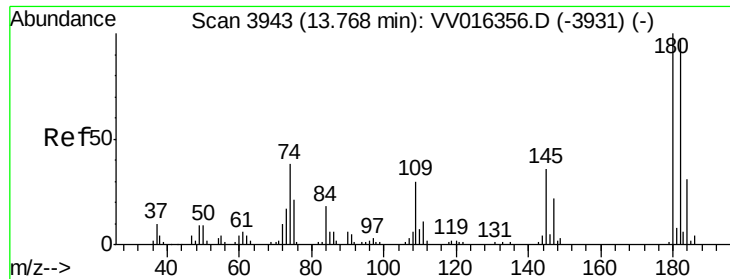
#70
 Naphthalene
 Concen: 1.254 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Tgt Ion:128 Resp: 17096
 Ion Ratio Lower Upper
 128 100
 129 10.2 8.6 12.8
 127 11.7 10.7 16.1



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

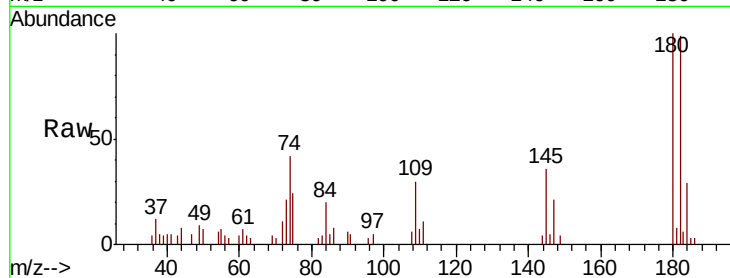




#71
 1,2,3-Trichlorobenzene
 Concen: 0.913 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016355.D
 Acq: 30 May 2020 13:15

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 5809
 Ion Ratio Lower Upper
 180 100
 182 97.6 75.1 112.7
 145 35.1 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

