

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\
 Data File : VV016359.D
 Acq On : 30 May 2020 14:50
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 05:11:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 05:08:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	83626	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	82152	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	39884	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34411	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.58	69	25277	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.13	63	60905	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	3.93	46	77337	48.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.92%
24) Chloroform-d	4.38	84	59708	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.06	65	31340	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.08	84	112689	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.10	67	34080	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.34	98	103127	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
45) trans-1,3-Dichloropropene-	7.64	79	12622	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
48) 2-Hexanone-d5	8.11	63	60974	50.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.82%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24570	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	35753	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	34621	5.079	ug/L 100
3) Chloromethane	1.25	50	39320	4.710	ug/L 99
5) Vinyl chloride	1.32	62	36898	4.946	ug/L 99
6) Bromomethane	1.53	94	21431	5.114	ug/L 97
8) Chloroethane	1.60	64	22140	4.926	ug/L 94
9) Trichlorofluoromethane	1.77	101	51099	5.058	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	28233	4.985	ug/L 98
12) 1,1-Dichloroethene	2.14	96	26318	4.890	ug/L 99
13) Acetone	2.21	43	47587	44.786	ug/L 98
14) Carbon disulfide	2.31	76	81890	5.003	ug/L 98
15) Methyl Acetate	2.46	43	12400	4.650	ug/L 91
16) Methylene chloride	2.53	84	27891	4.844	ug/L 99
17) Methyl tert-butyl Ether	2.79	73	62987	4.997	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	27982	4.898	ug/L 97
19) 1,1-Dichloroethane	3.21	63	56917	5.051	ug/L 100
21) 2-Butanone	4.02	43	80139	51.147	ug/L 99
22) cis-1,2-Dichloroethene	3.94	96	32500	5.154	ug/L 96

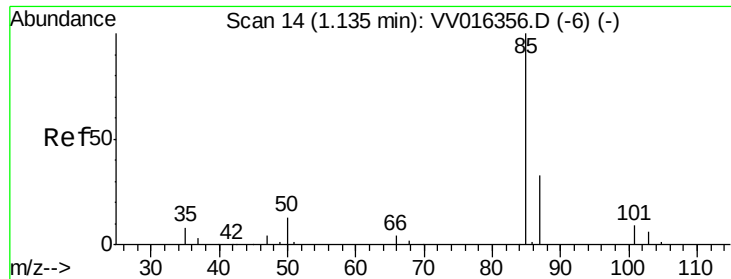
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 05:08:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	13254	5.386	ug/L	92
25) Chloroform	4.41	83	57082	5.054	ug/L	99
27) 1,2-Dichloroethane	5.16	62	37163	4.989	ug/L	98
29) 1,1,1-Trichloroethane	4.64	97	49265	5.087	ug/L	100
30) Cyclohexane	4.70	56	53522	5.134	ug/L	96
31) Carbon tetrachloride	4.86	117	42124	5.052	ug/L	99
33) Benzene	5.13	78	123831	5.090	ug/L	100
34) Trichloroethene	5.94	95	32129	5.038	ug/L	97
35) Methylcyclohexane	6.16	83	53154	5.174	ug/L	98
37) 1,2-Dichloropropane	6.20	63	30937	5.030	ug/L	100
38) Bromodichloromethane	6.54	83	36699	4.962	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	43133	5.309	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	194446	52.351	ug/L	100
42) Toluene	7.41	91	133812	5.176	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	122409	5.338	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	126516	5.415	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	35006	5.216	ug/L	96
47) 1,1,2-Trichloroethane	7.86	97	20097	5.109	ug/L	96
49) Tetrachloroethene	8.00	164	23535	5.032	ug/L	97
50) 2-Hexanone	8.16	43	141899	54.773	ug/L	99
51) Dibromochloromethane	8.27	129	21294	5.177	ug/L	96
52) 1,2-Dibromoethane	8.38	107	19077	5.131	ug/L	100
53) Chlorobenzene	8.90	112	82247	5.068	ug/L	99
54) Ethylbenzene	9.04	91	149059	5.227	ug/L	99
55) m,p-xylene	9.16	106	55567	5.206	ug/L	98
56) o-xylene	9.57	106	53854	5.357	ug/L	95
57) Styrene	9.58	104	92312	5.378	ug/L	97
58) Isopropylbenzene	9.95	105	145071	5.296	ug/L	98
60) 1,1,2,2-Tetrachloroethane	10.26	83	24957	5.030	ug/L	97
62) Bromoform	9.76	173	8572	5.089	ug/L	100
63) 1,3-Dichlorobenzene	11.20	146	65180	5.305	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	65389	5.148	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	60002	5.247	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.45	75	3864	5.184	ug/L	93
68) 1,3,5-Trichlorobenzene	12.67	180	46355	5.240	ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	39501	5.201	ug/L	97
70) Naphthalene	13.53	128	82157	4.517	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	37735	5.569	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.079 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

Instrument :

MSVOA_V

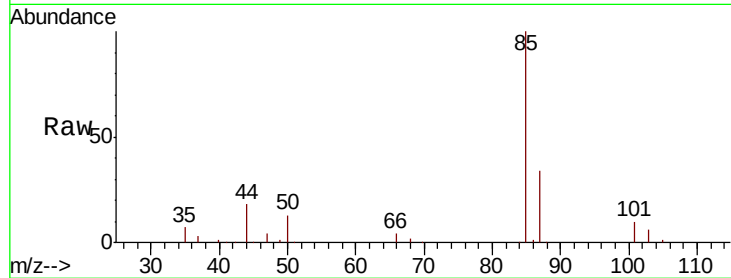
ClientSampleId :

Tot Ion: 85 Resp: 34621

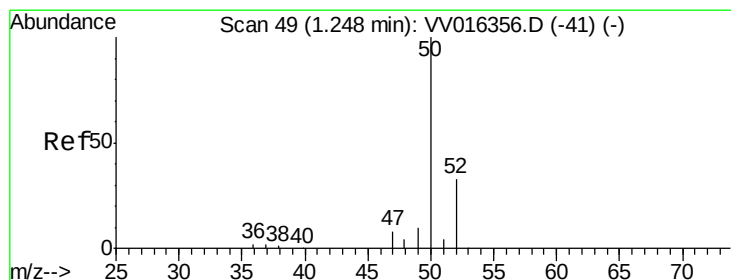
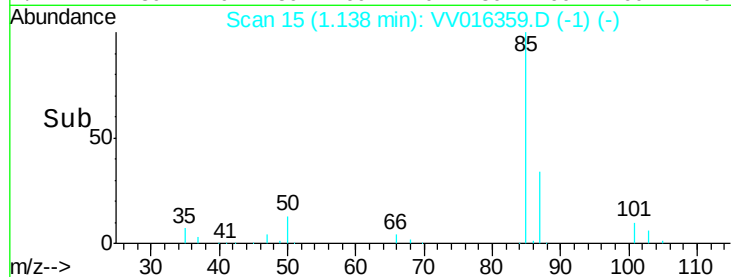
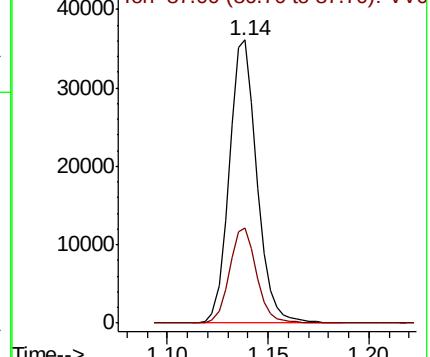
Ion Ratio Lower Upper

85 100

87 32.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV016359.D (-1) (-)



#3

Chloromethane

Concen: 4.710 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016359.D

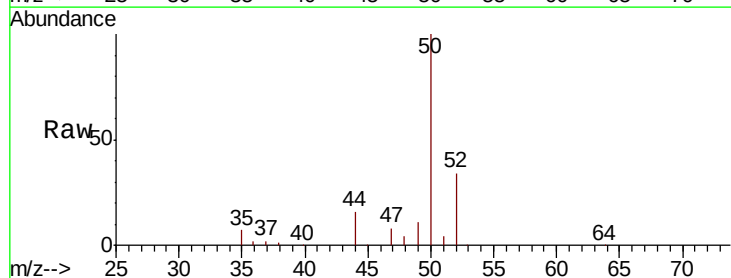
Acq: 30 May 2020 14:50

Tgt Ion: 50 Resp: 39320

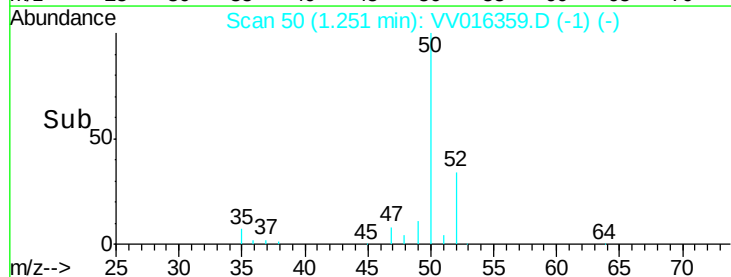
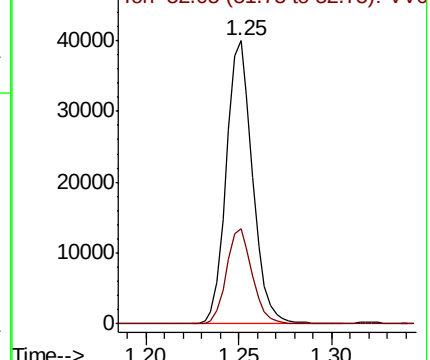
Ion Ratio Lower Upper

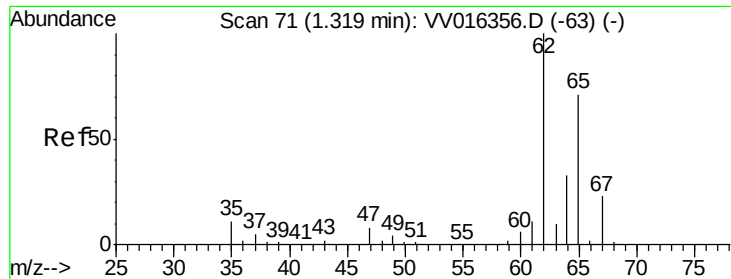
50 100

52 33.5 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV016359.D (-1) (-)





#5

Vinyl chloride

Concen: 4.946 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

Instrument :

MSVOA_V

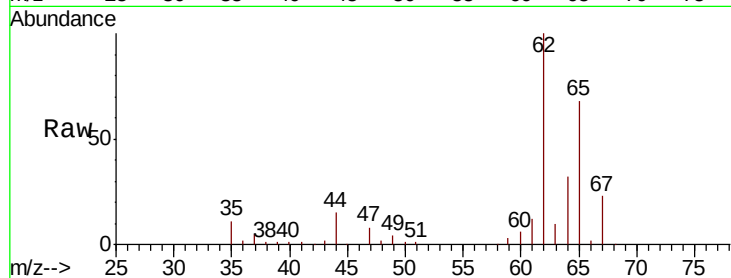
ClientSampled :

Tot Ion: 62 Resp: 36898

Ion Ratio Lower Upper

62 100

64 32.5 23.1 42.9



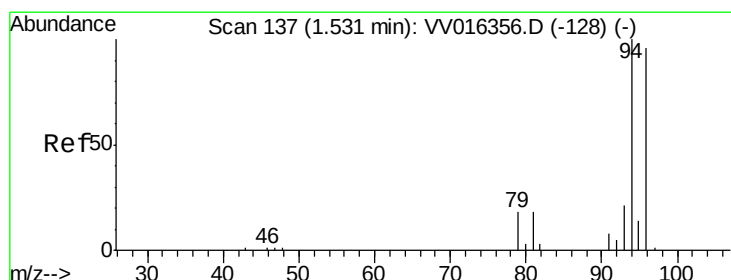
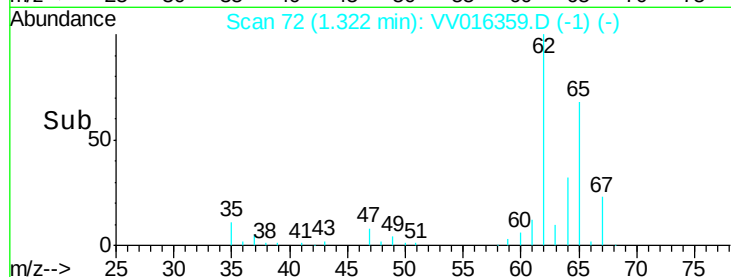
Abundance Ion 62.00 (61.70 to 62.70): VV016359.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV016359.D (-63) (-)

1.32

1.35

Time-->



#6

Bromomethane

Concen: 5.114 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016359.D

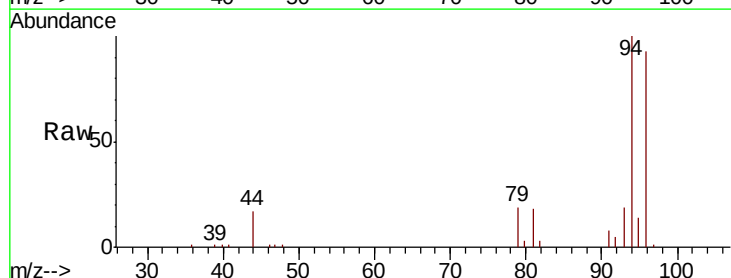
Acq: 30 May 2020 14:50

Tgt Ion: 94 Resp: 21431

Ion Ratio Lower Upper

94 100

96 93.0 67.0 124.4



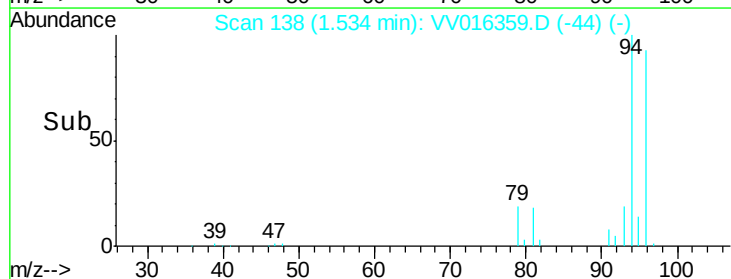
Abundance Ion 94.00 (93.70 to 94.70): VV016359.D (-128) (-)

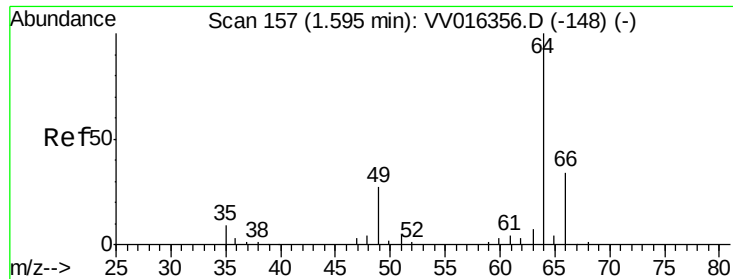
Ion 96.00 (95.70 to 96.70): VV016359.D (-128) (-)

1.53

1.60

Time-->

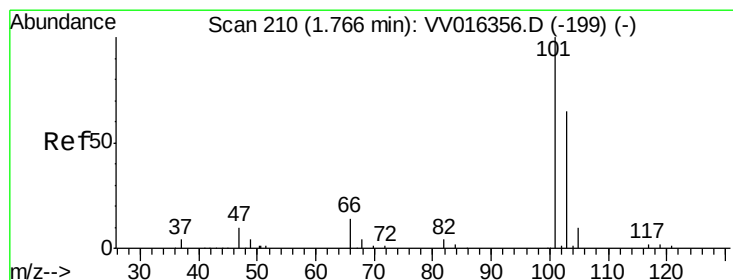
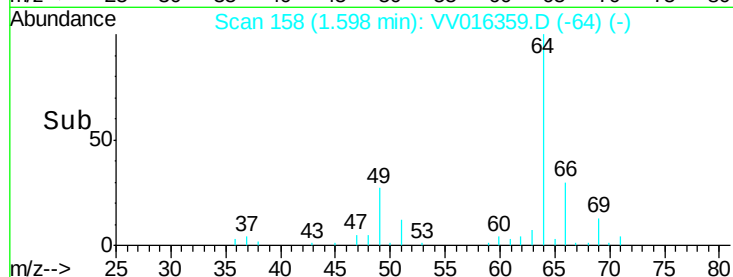
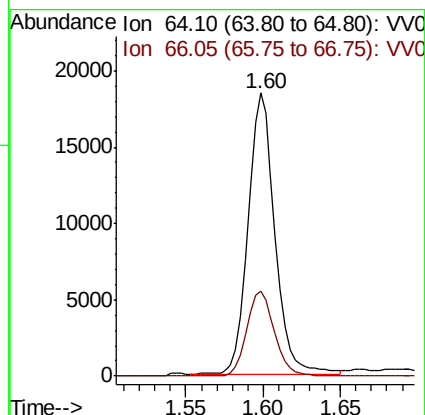
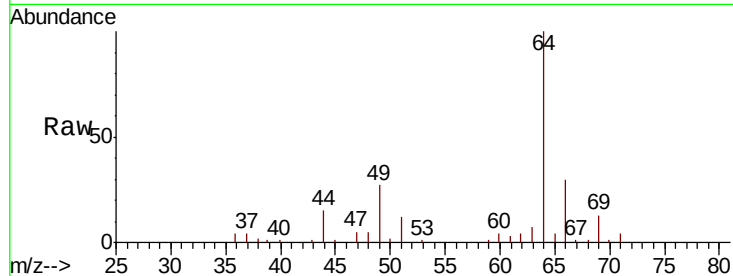




#8
Chloroethane
Concen: 4.926 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV016359.D
Acq: 30 May 2020 14:50

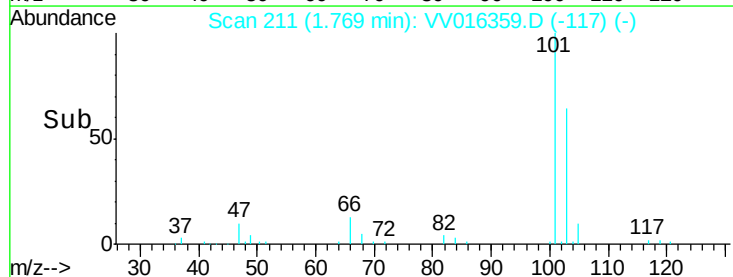
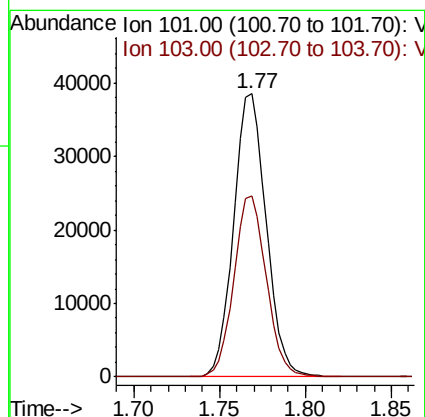
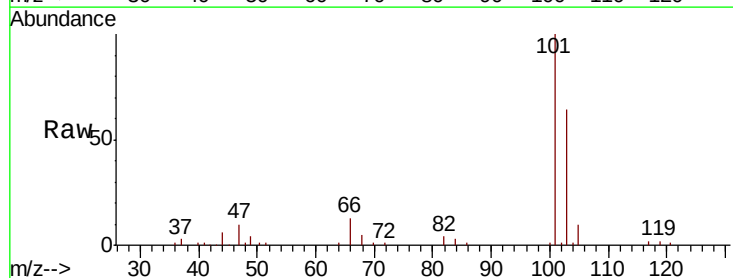
Instrument :
MSVOA_V
ClientSampleId :

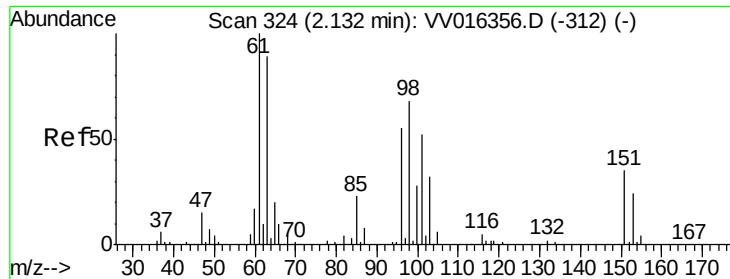
Tot Ion: 64 Resp: 22140
Ion Ratio Lower Upper
64 100
66 30.0 23.4 43.6



#9
Trichlorofluoromethane
Concen: 5.058 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV016359.D
Acq: 30 May 2020 14:50

Tgt Ion:101 Resp: 51099
Ion Ratio Lower Upper
101 100
103 63.7 52.2 78.4





#10

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

Concen: 4.985 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

Instrument :

MSVOA_V

ClientSampled :

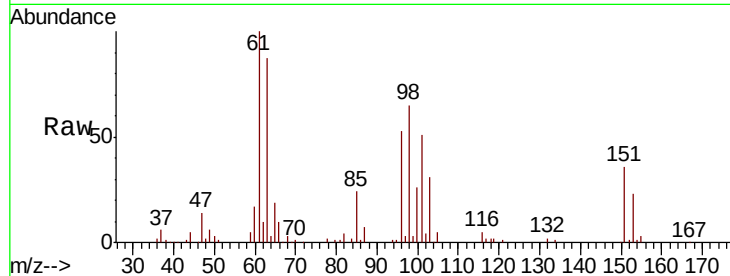
Tot Ion:101 Resp: 28233

Ion Ratio Lower Upper

101 100

85 45.4 35.7 53.5

151 73.0 57.2 85.8

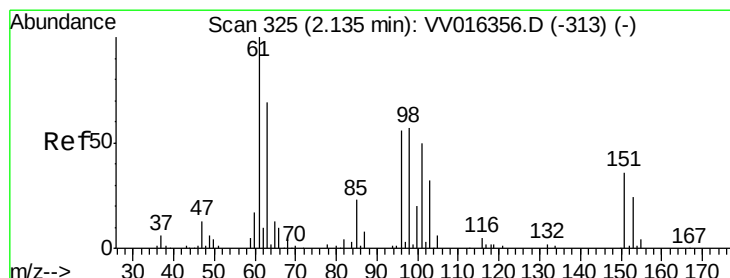
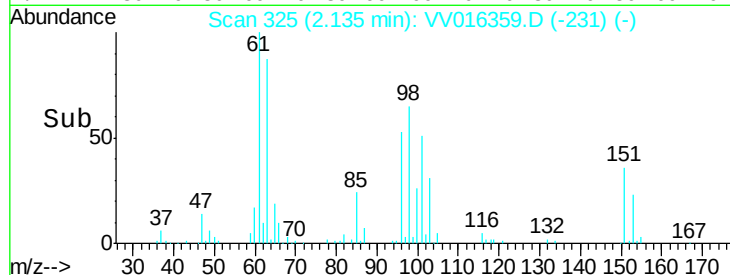
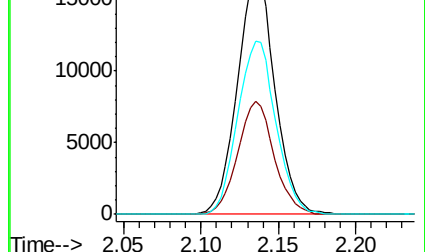


Abundance Ion 101.00 (100.70 to 101.70): VV016356.D (-312) (-)

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: 4.890 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

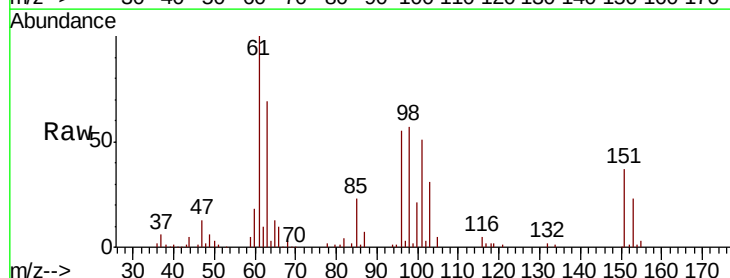
Tgt Ion: 96 Resp: 26318

Ion Ratio Lower Upper

96 100

61 181.9 125.4 233.0

63 126.0 88.2 163.8

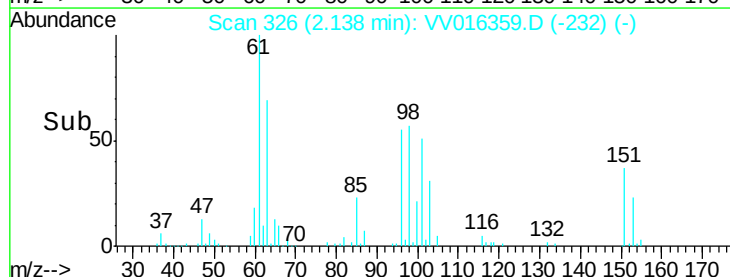
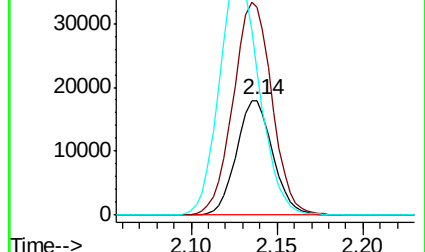


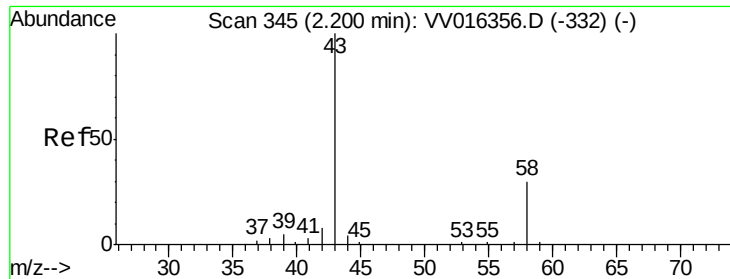
Abundance Ion 96.00 (95.70 to 96.70): VV016359.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV016359.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016359.D (-232) (-)

Time-->





#13

Acetone

Concen: 44.786 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

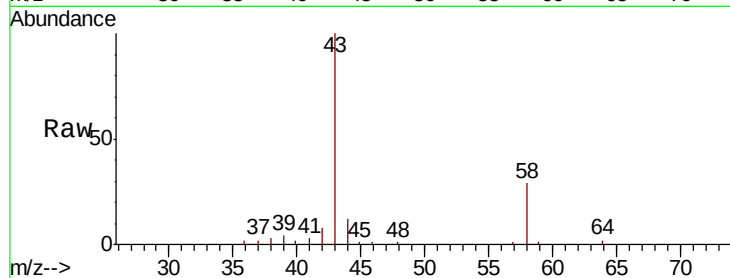
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 47587

Ion Ratio Lower Upper

43 100

58 28.3 0.0 59.2



Abundance Ion 43.05 (42.75 to 43.75): VV016359.D (-252) (-)

Ion 58.05 (57.75 to 58.75): VV016359.D (-252) (-)

2.21

15000

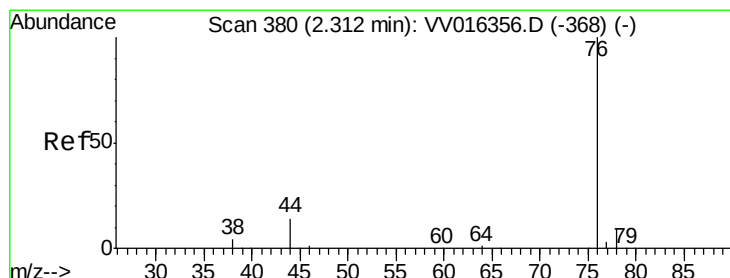
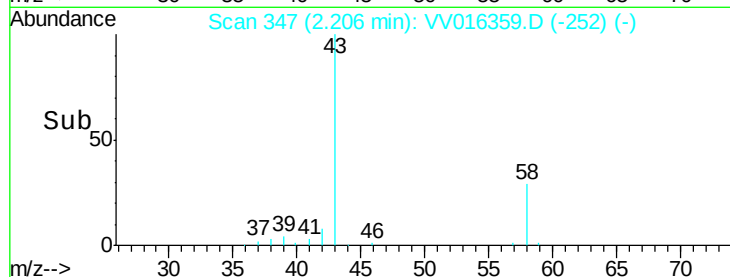
10000

5000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 5.003 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV016359.D

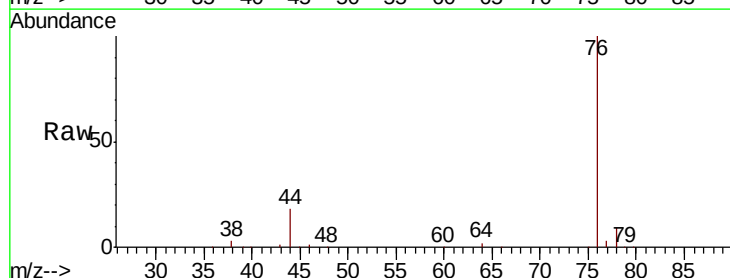
Acq: 30 May 2020 14:50

Tgt Ion: 76 Resp: 81890

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VV016359.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV016359.D (-287) (-)

2.31

60000

50000

40000

30000

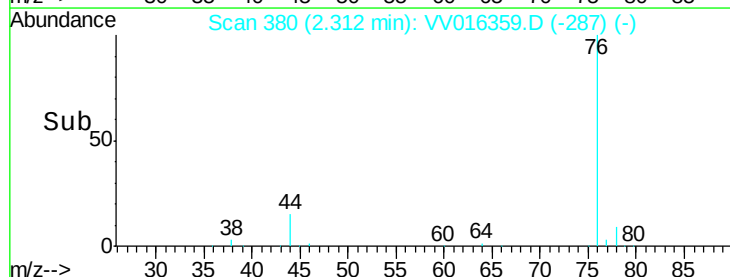
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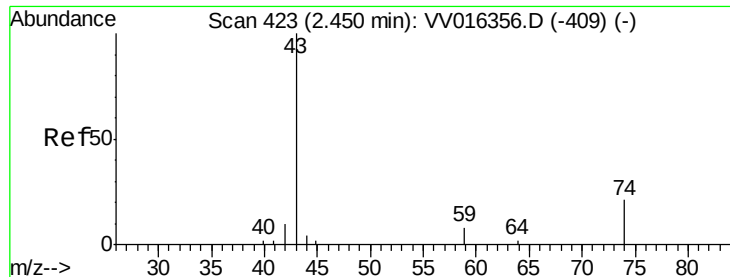
10000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 4.650 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.01 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

Instrument :

MSVOA_V

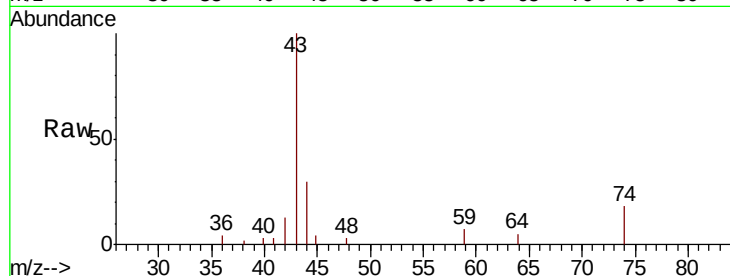
ClientSampled :

Tot Ion: 43 Resp: 12400

Ion Ratio Lower Upper

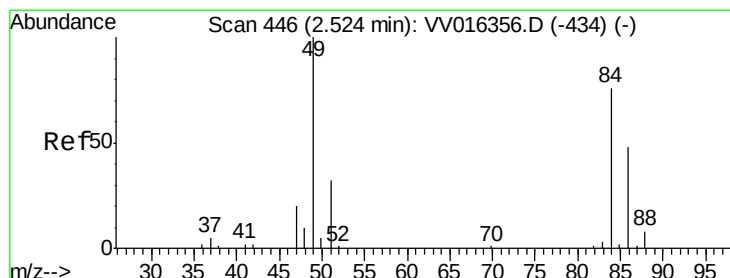
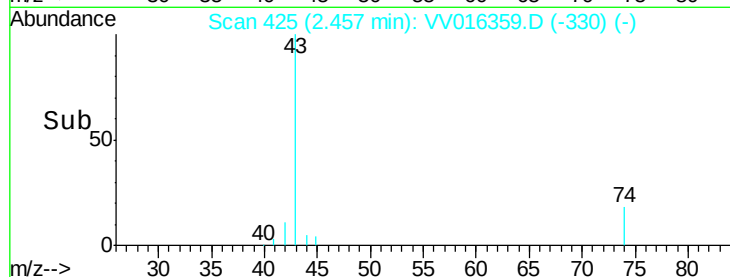
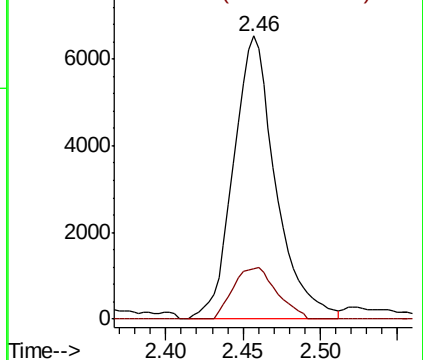
43 100

74 18.8 18.6 28.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.844 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

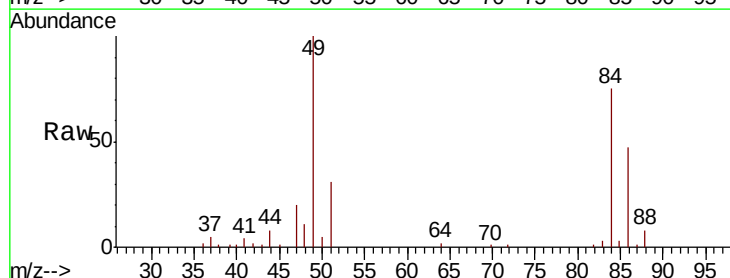
Tgt Ion: 84 Resp: 27891

Ion Ratio Lower Upper

84 100

86 63.3 44.5 82.7

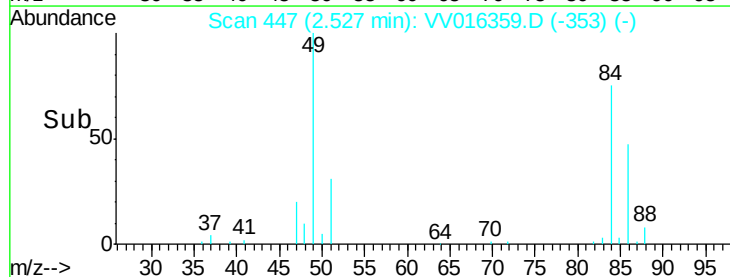
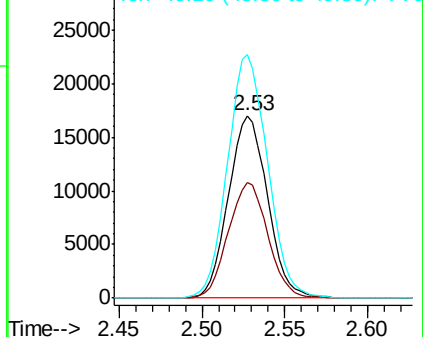
49 133.6 92.3 171.3

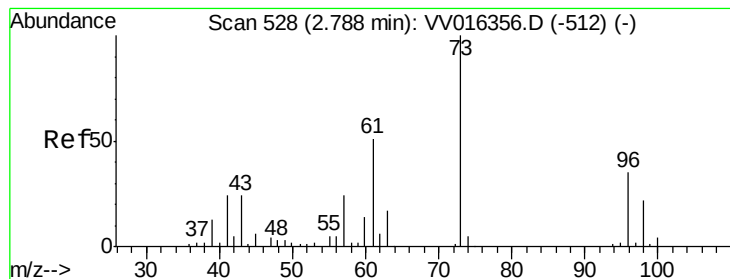


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



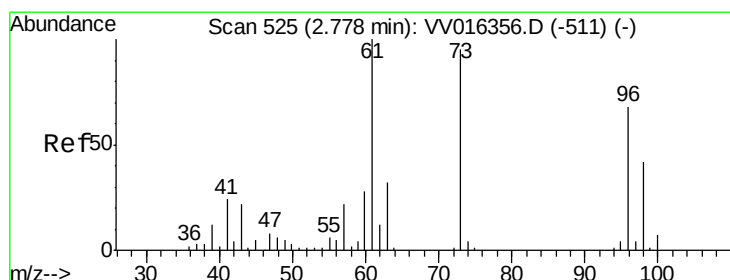
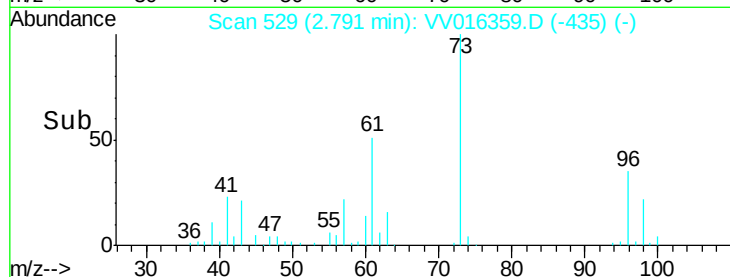
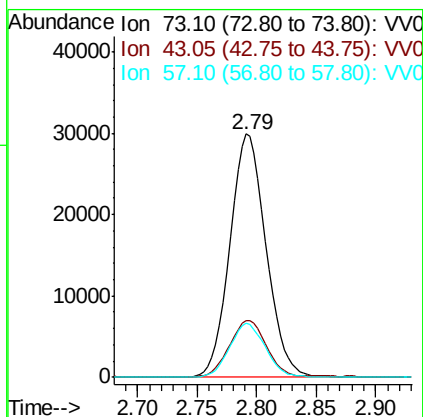
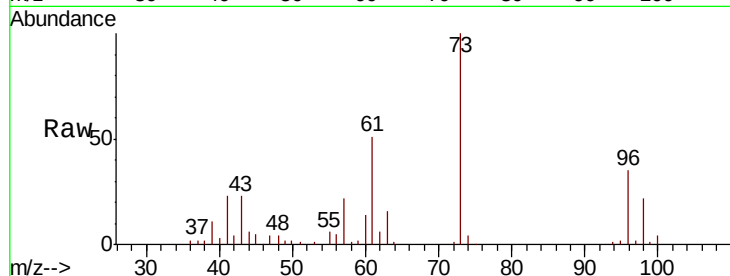


#17

Methyl tert-butyl Ether
 Concen: 4.997 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

Instrument :
 MSVOA_V
 ClientSampleId :

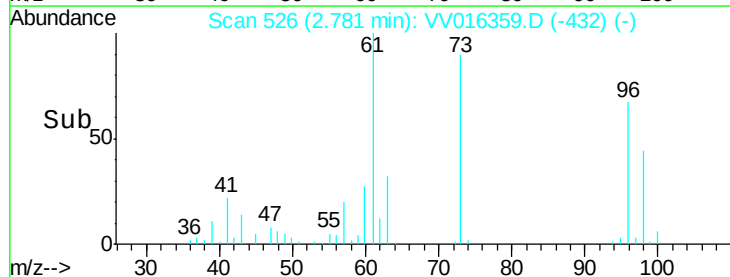
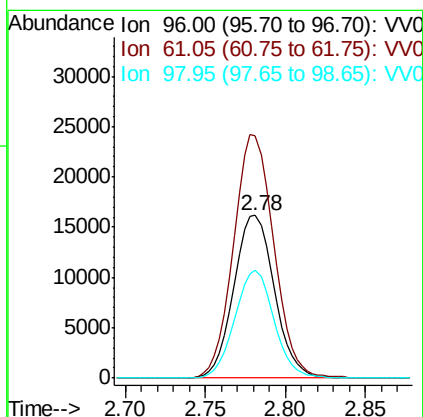
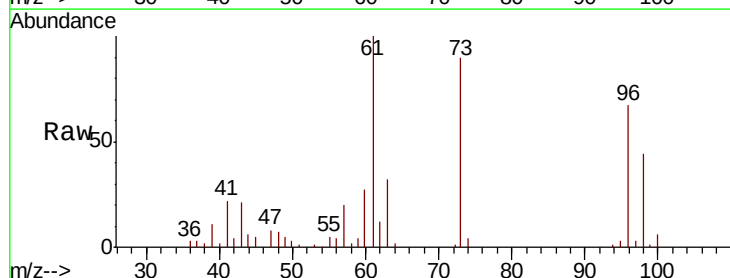
Tot Ion:	73	Resp:	62987
Ion	Ratio	Lower	Upper
73	100		
43	24.1	19.4	29.0
57	22.0	18.4	27.6

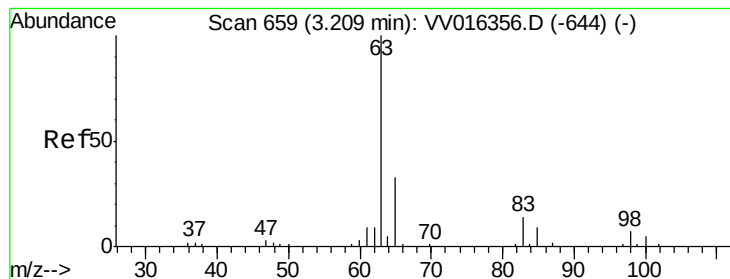


#18

trans-1,2-Dichloroethene
 Concen: 4.898 ug/L
 RT: 2.78 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

Tgt Ion:	96	Resp:	27982
Ion	Ratio	Lower	Upper
96	100		
61	149.2	103.1	191.5
98	66.0	43.0	79.8





#19

1,1-Dichloroethane

Concen: 5.051 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

Instrument :

MSVOA_V

ClientSampleId :

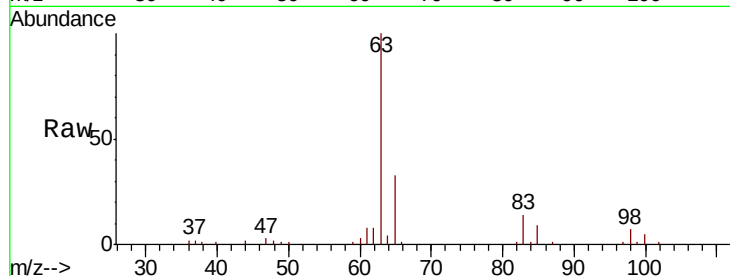
Tot Ion: 63 Resp: 56917

Ion Ratio Lower Upper

63 100

65 33.2 23.3 43.3

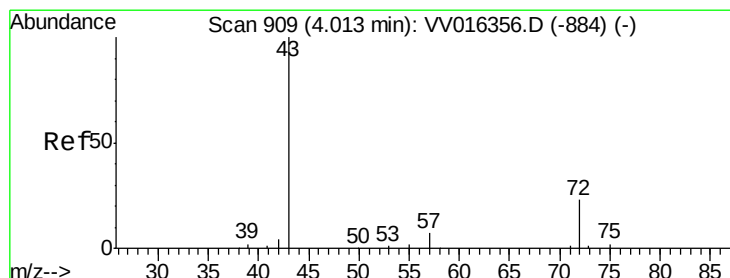
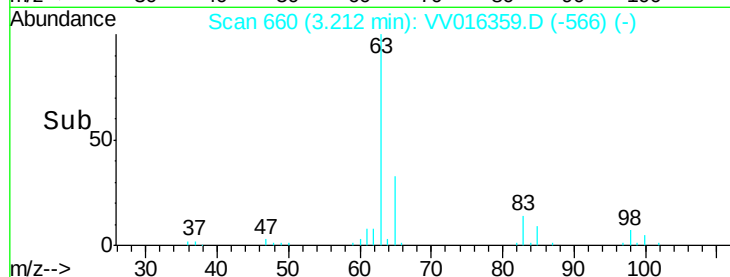
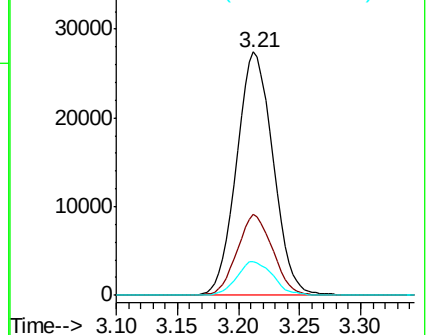
83 14.0 9.9 18.3



Abundance Ion 63.10 (62.80 to 63.80): VV016359.D (-566) (-)

Ion 65.10 (64.80 to 65.80): VV016359.D (-566) (-)

Ion 83.05 (82.75 to 83.75): VV016359.D (-566) (-)



#21

2-Butanone

Concen: 51.147 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV016359.D

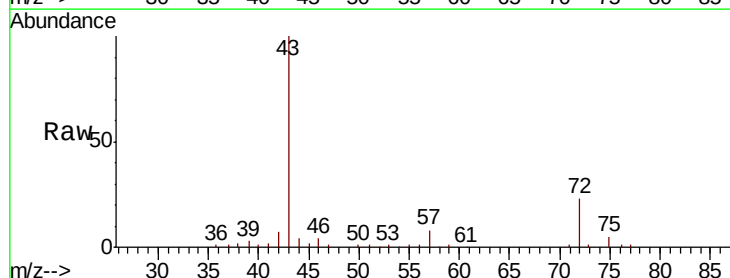
Acq: 30 May 2020 14:50

Tgt Ion: 43 Resp: 80139

Ion Ratio Lower Upper

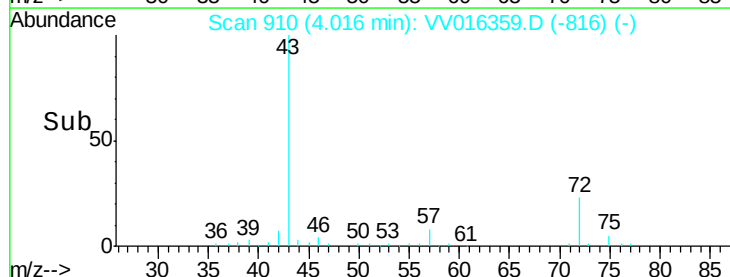
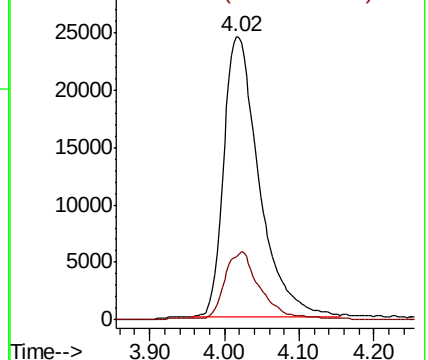
43 100

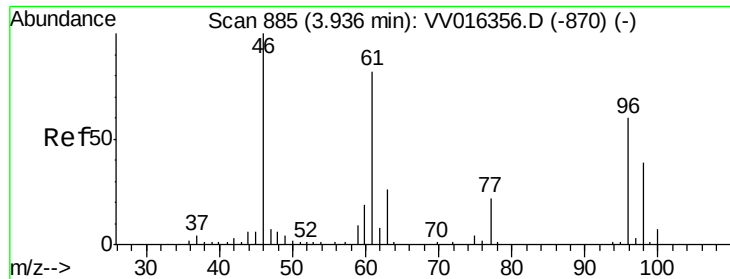
72 22.8 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VV016359.D (-816) (-)

Ion 72.00 (71.70 to 72.70): VV016359.D (-816) (-)



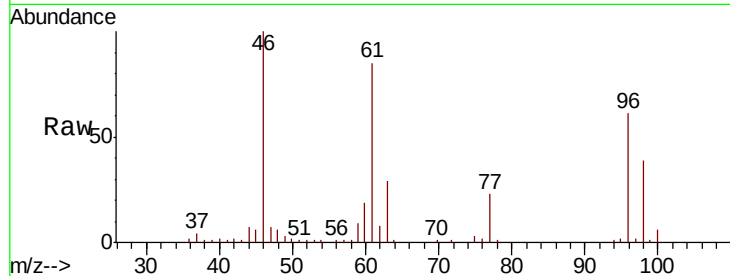


#22

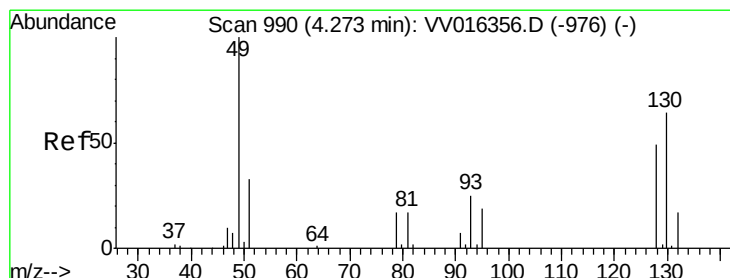
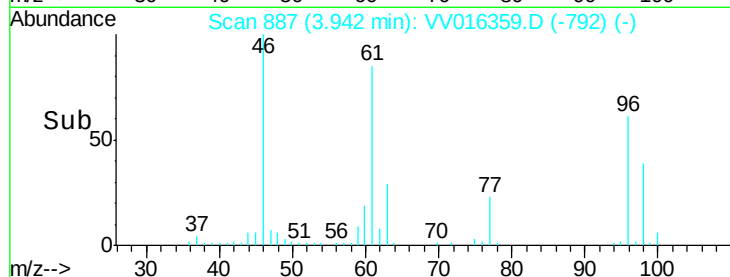
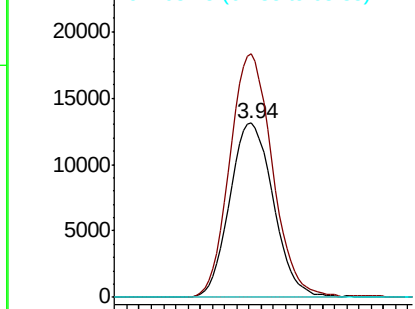
cis-1,2-Dichloroethene
 Concen: 5.154 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 32500
 Ion Ratio Lower Upper
 96 100
 61 139.9 94.8 176.0
 68 0.0 0.0 0.0



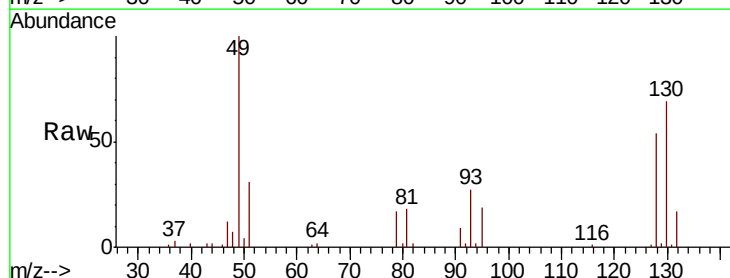
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



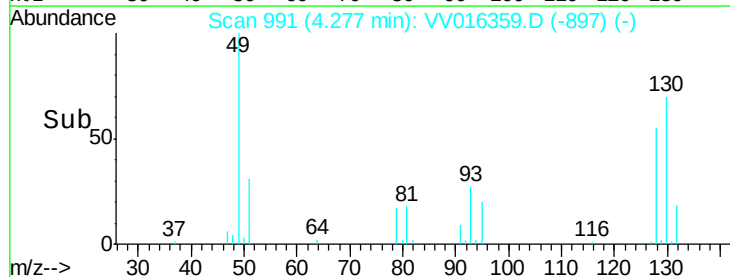
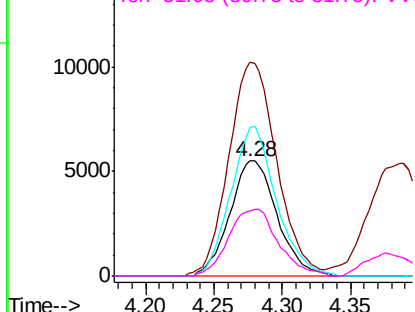
#23

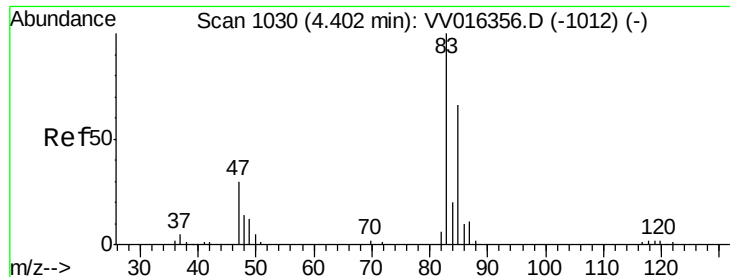
Bromochloromethane
 Concen: 5.386 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

Tgt Ion: 128 Resp: 13254
 Ion Ratio Lower Upper
 128 100
 49 185.6 141.5 262.9
 130 128.7 90.4 167.8
 51 56.8 53.5 80.3



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

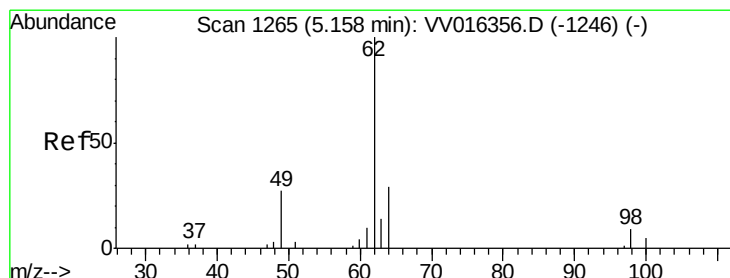
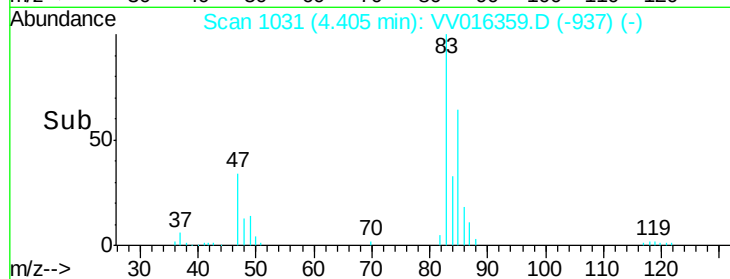
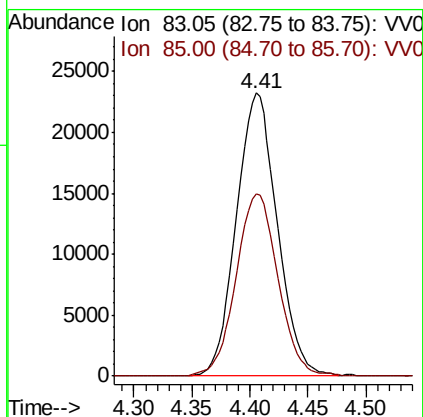
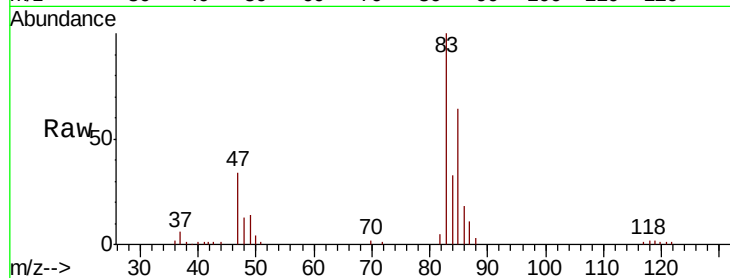




#25
Chloroform
Concen: 5.054 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016359.D
Acq: 30 May 2020 14:50

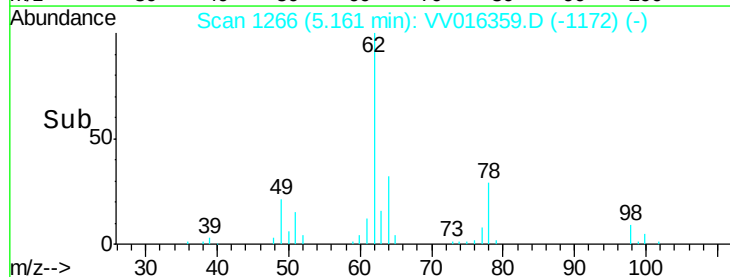
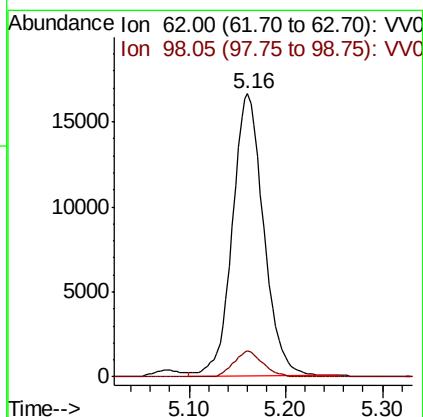
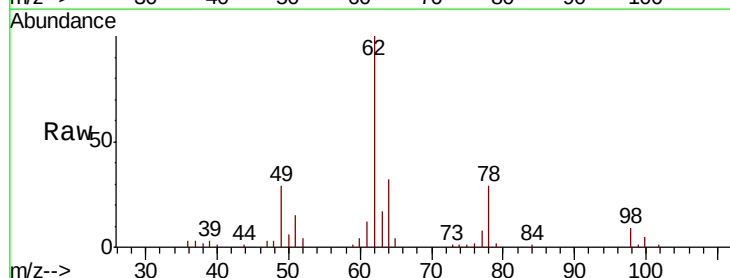
Instrument :
MSVOA_V
ClientSampleId :

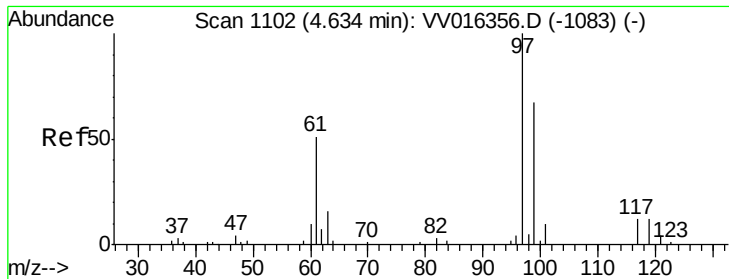
Tot Ion: 83 Resp: 57082
Ion Ratio Lower Upper
83 100
85 64.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.989 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016359.D
Acq: 30 May 2020 14:50

Tgt Ion: 62 Resp: 37163
Ion Ratio Lower Upper
62 100
98 9.4 7.0 10.4

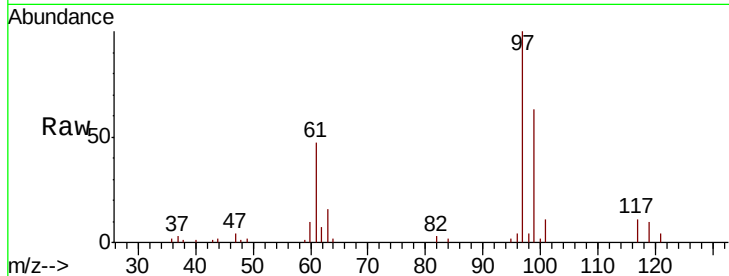




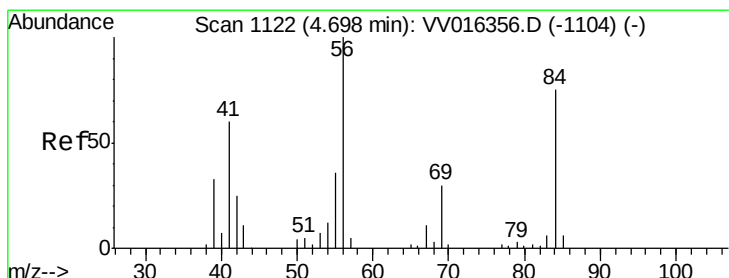
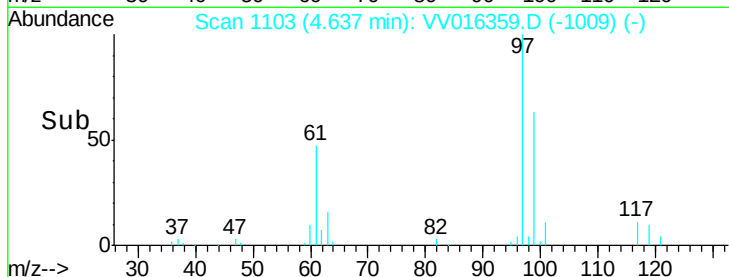
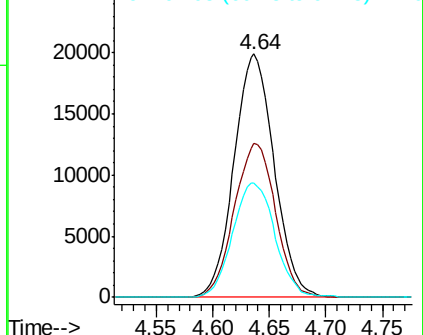
#29
1,1,1-Trichloroethane
Concen: 5.087 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV016359.D
Acq: 30 May 2020 14:50

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 49265
Ion Ratio Lower Upper
97 100
99 64.8 52.0 78.0
61 49.4 39.8 59.6

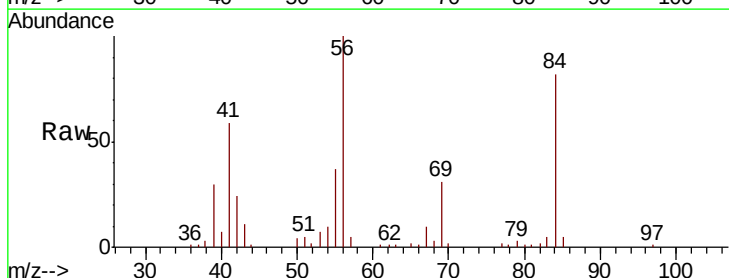


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

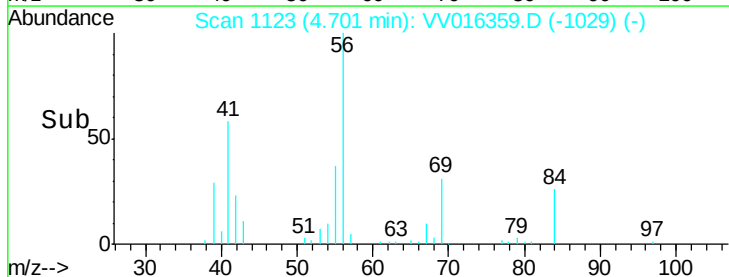
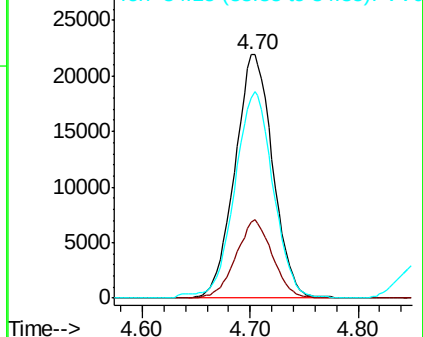


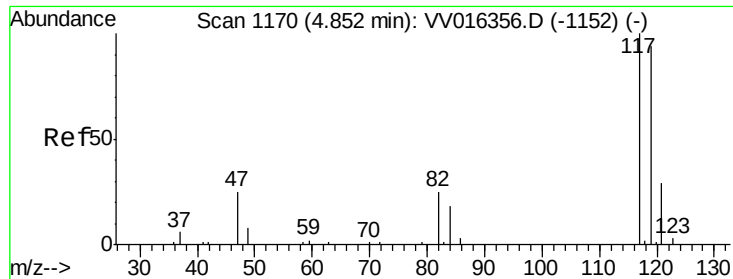
#30
Cyclohexane
Concen: 5.134 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV016359.D
Acq: 30 May 2020 14:50

Tgt Ion: 56 Resp: 53522
Ion Ratio Lower Upper
56 100
69 30.7 23.5 35.3
84 86.4 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: 5.052 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

Instrument :

MSVOA_V

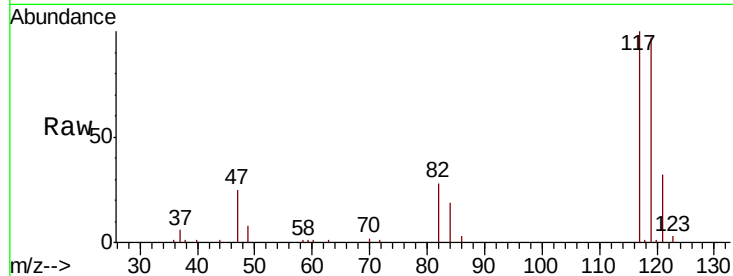
ClientSampleId :

Tot Ion:117 Resp: 42124

Ion Ratio Lower Upper

117 100

119 95.5 75.3 112.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.86

20000

15000

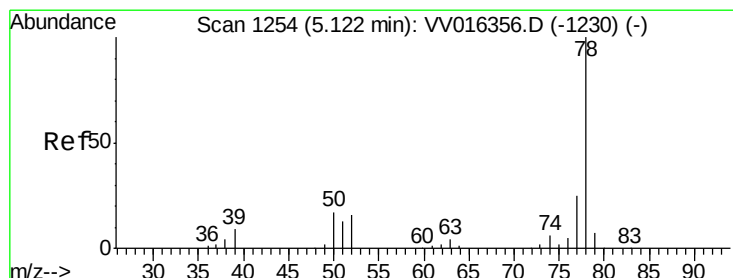
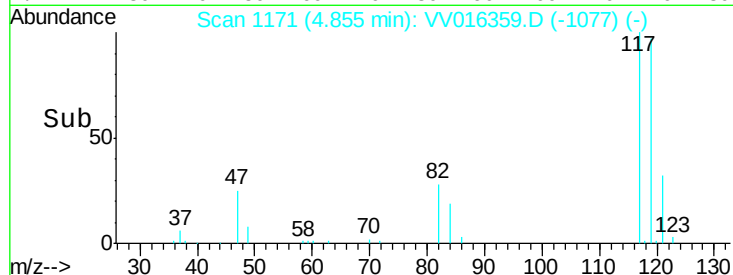
10000

5000

0

Time-->

4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 5.090 ug/L

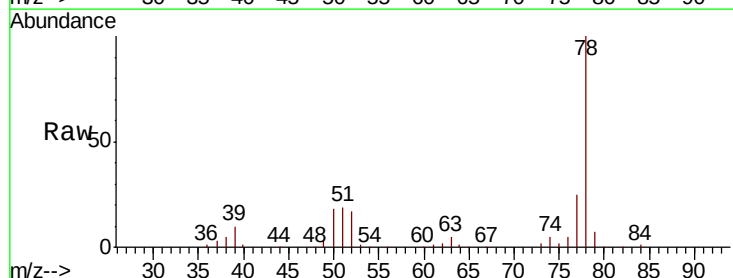
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

Tgt Ion: 78 Resp: 123831



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.13

60000

50000

40000

30000

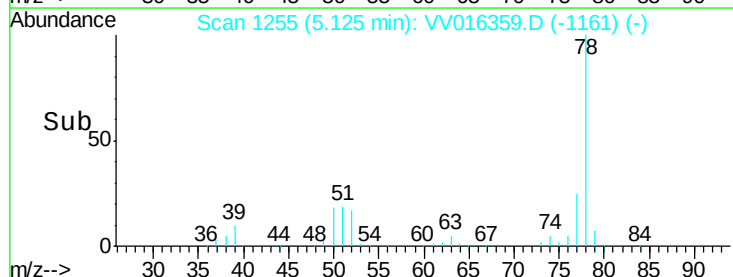
20000

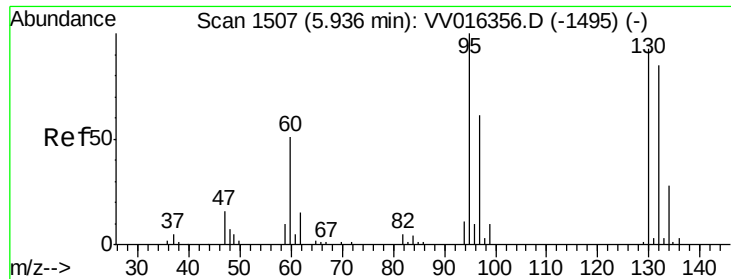
10000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 5.038 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 32129

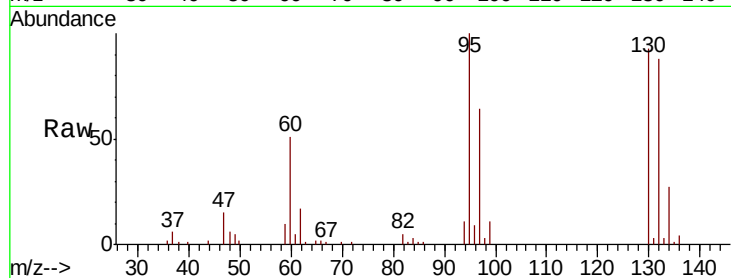
Ion Ratio Lower Upper

95 100

97 64.4 42.6 79.0

132 88.1 59.6 110.8

130 93.0 64.8 120.4



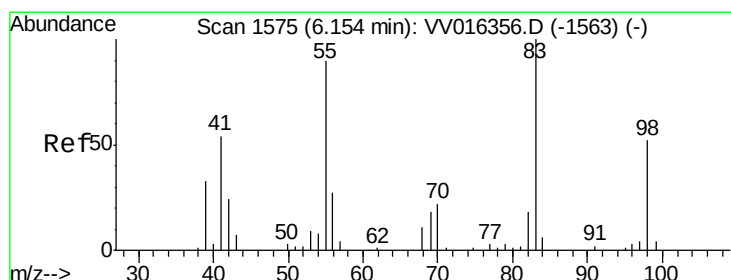
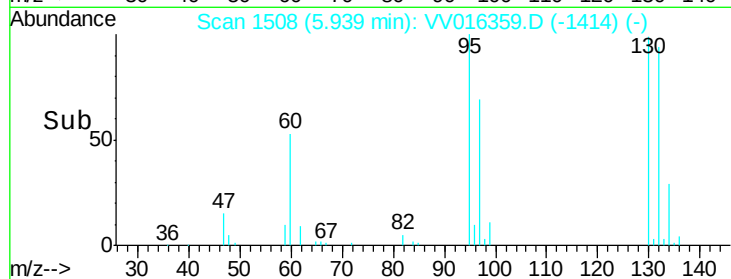
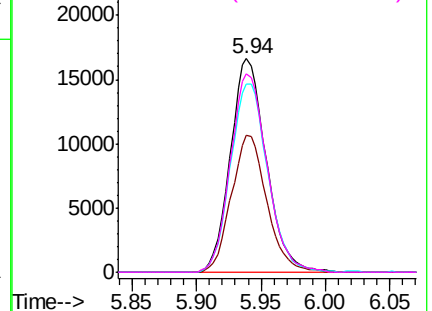
Abundance

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: 5.174 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

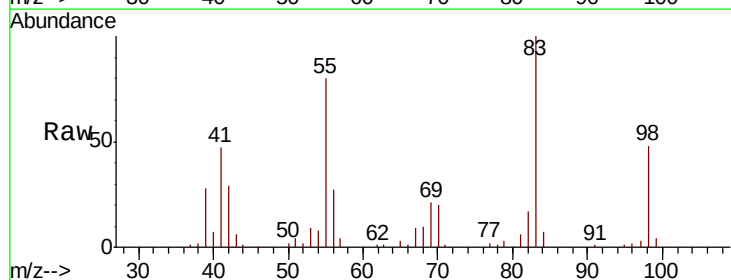
Tgt Ion: 83 Resp: 53154

Ion Ratio Lower Upper

83 100

55 81.6 67.0 100.4

98 48.1 39.0 58.4

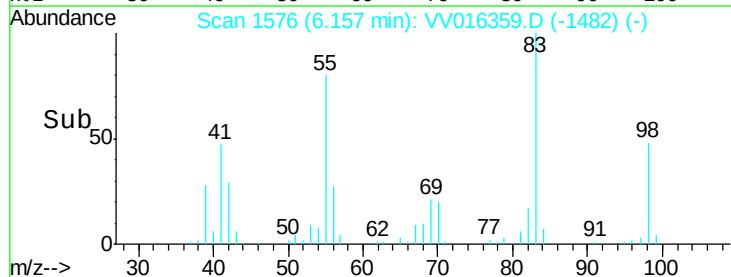
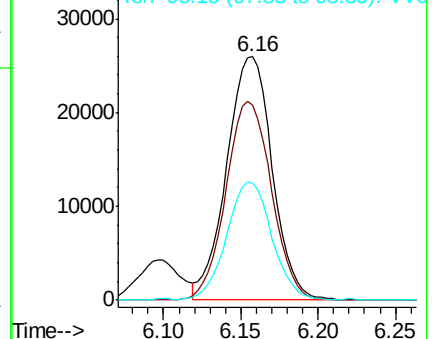


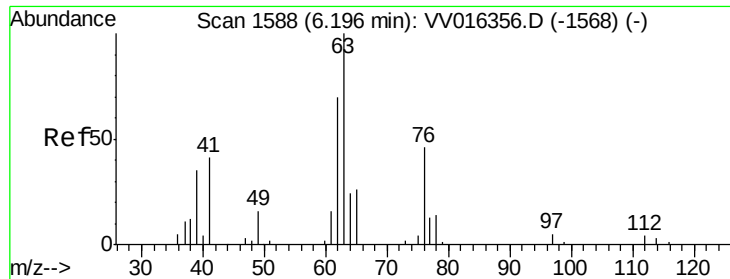
Abundance

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

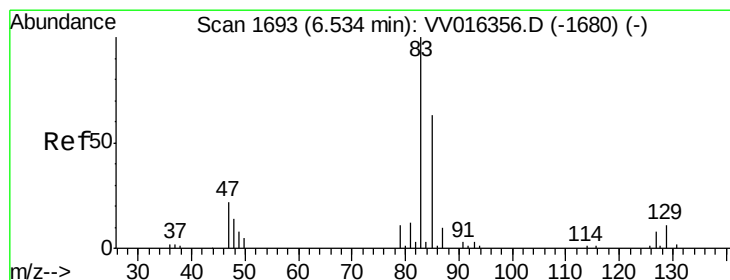
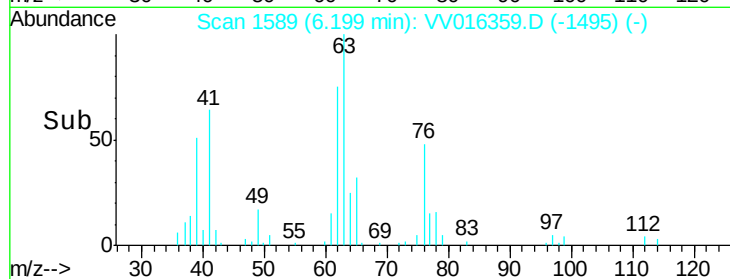
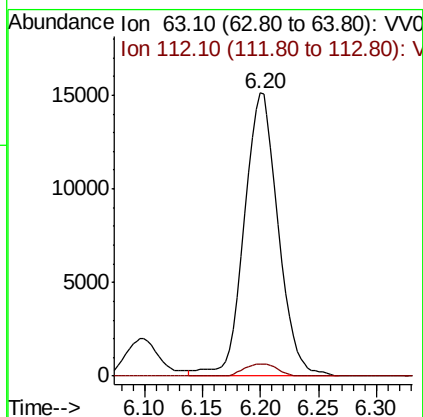
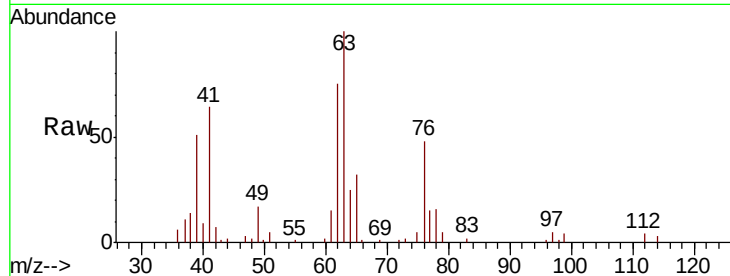




#37
 1,2-Dichloropropane
 Concen: 5.030 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

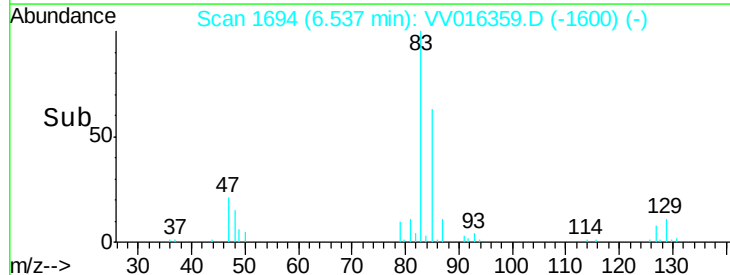
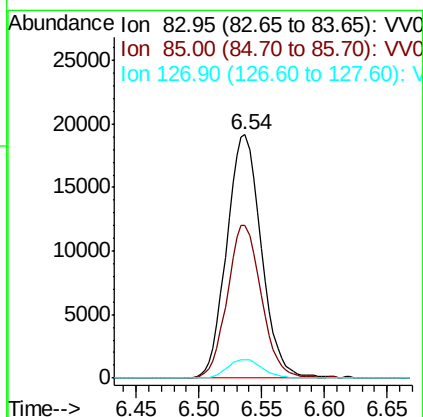
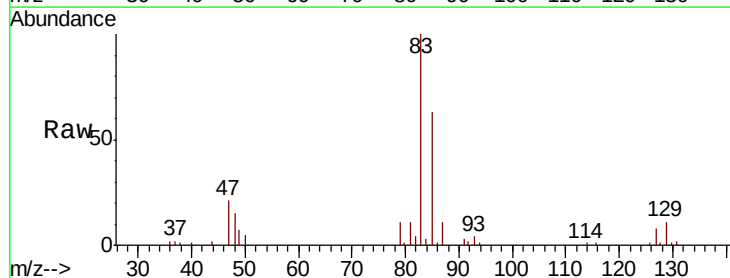
Instrument :
 MSVOA_V
 ClientSampled :

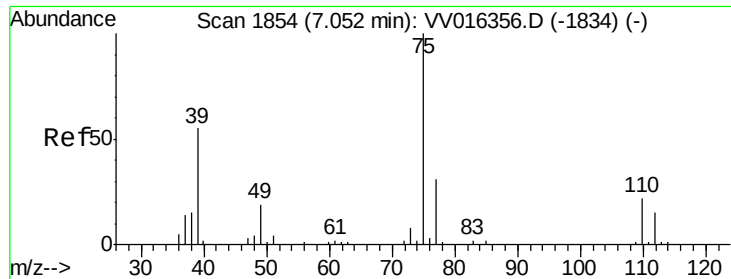
Tot Ion: 63 Resp: 30937
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.0



#38
 Bromodichloromethane
 Concen: 4.962 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

Tgt Ion: 83 Resp: 36699
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.2 82.2
 127 7.8 6.3 9.5

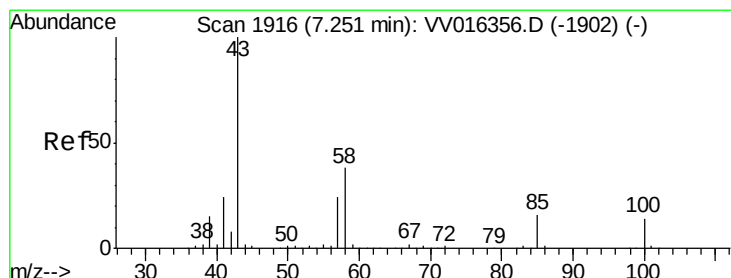
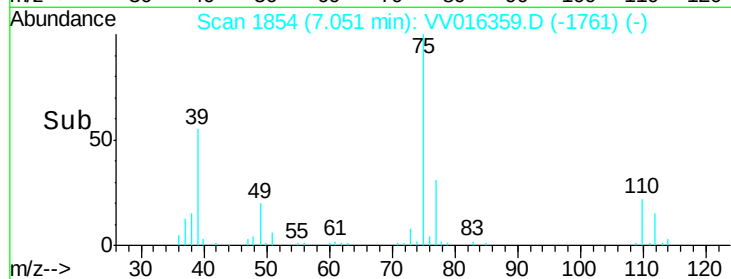
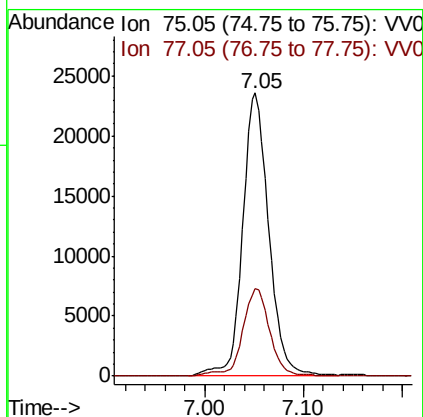
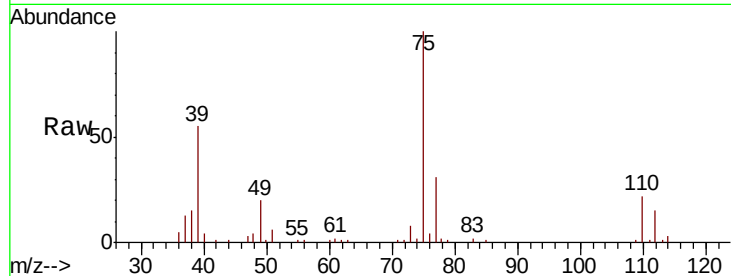




#39
 cis-1,3-Dichloropropene
 Concen: 5.309 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

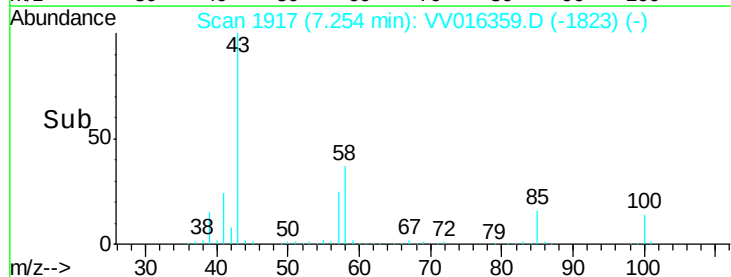
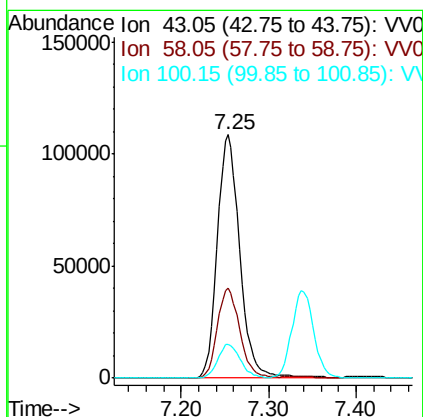
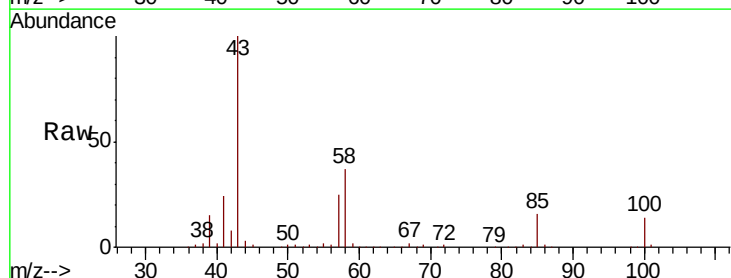
Instrument :
 MSVOA_V
 ClientSampled :

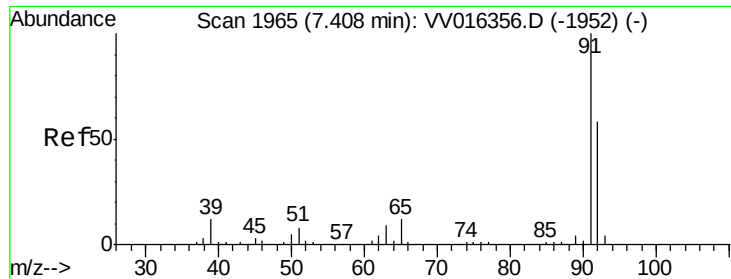
Tot Ion: 75 Resp: 43133
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 52.351 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

Tgt Ion: 43 Resp: 194446
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.5 44.3
 100 13.9 11.0 16.6





#42

Toluene

Concen: 5.176 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

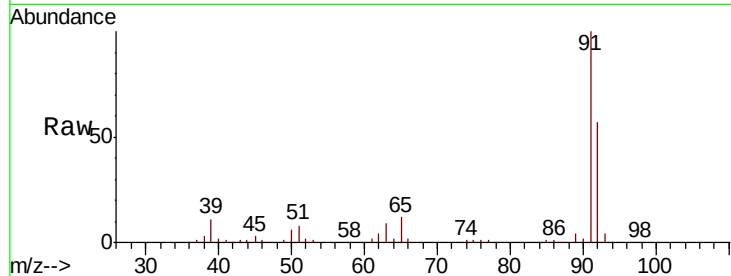
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 133812

Ion Ratio Lower Upper

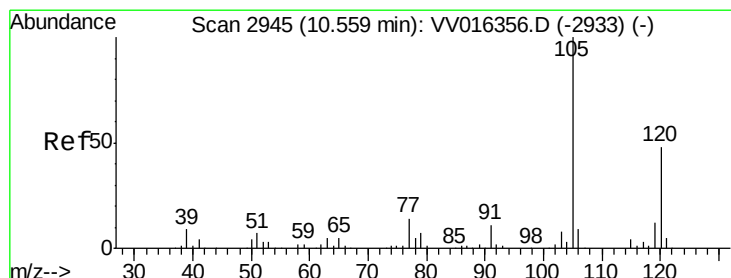
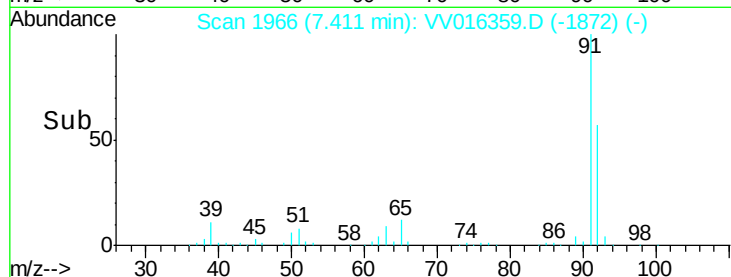
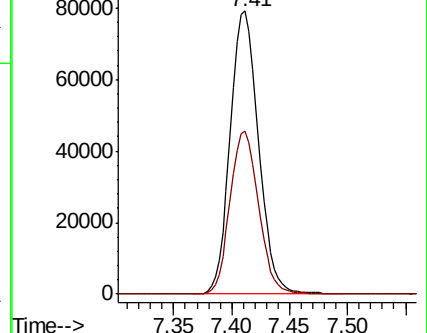
91 100

92 57.4 40.5 75.1



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

Ion 92.15 (91.85 to 92.85): VV016359.D (-1872) (-)



#43

1,3,5-Trimethylbenzene

Concen: 5.338 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV016359.D

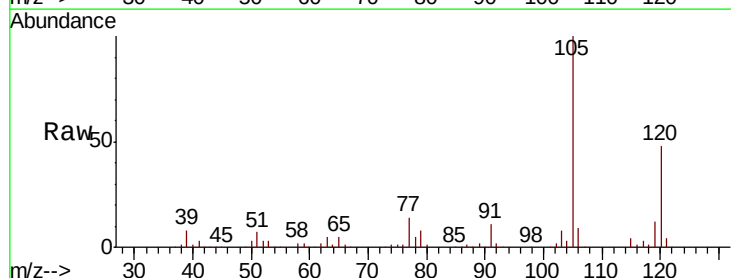
Acq: 30 May 2020 14:50

Tgt Ion: 105 Resp: 122409

Ion Ratio Lower Upper

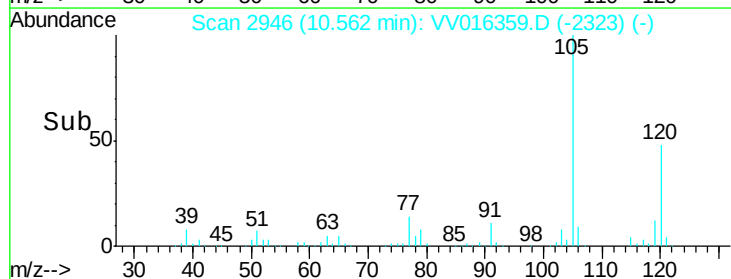
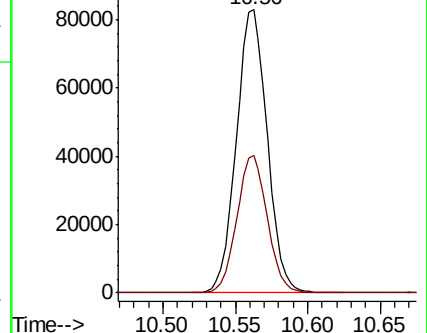
105 100

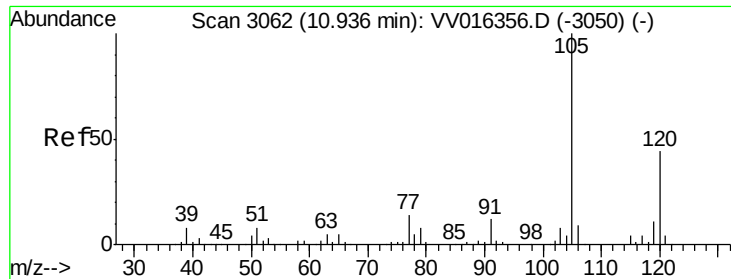
120 47.8 37.5 56.3



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

Ion 120.00 (119.70 to 120.70): VV016359.D (-2323) (-)

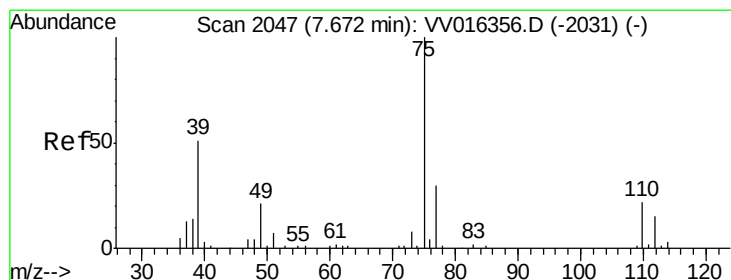
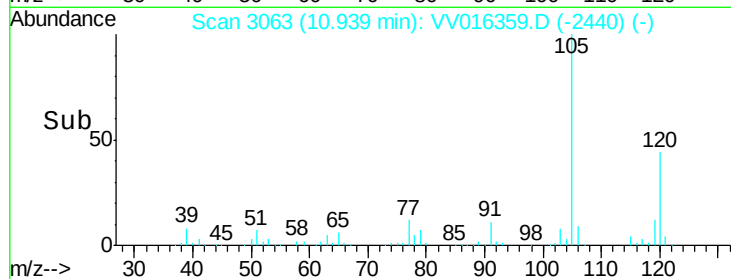
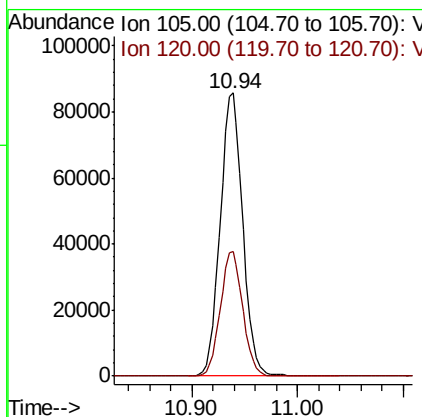
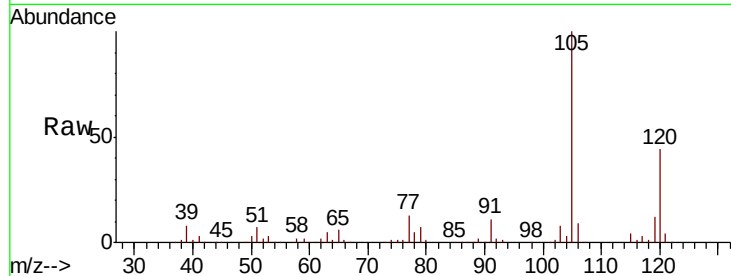




#44
 1,2,4-Trimethylbenzene
 Concen: 5.415 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

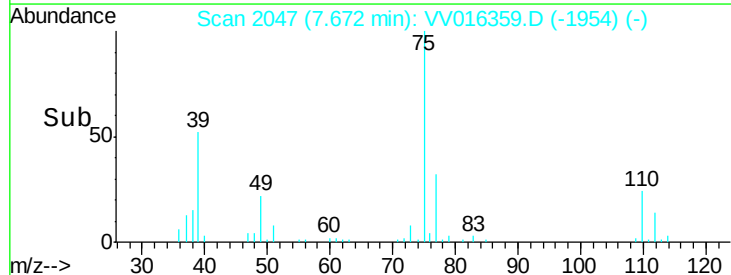
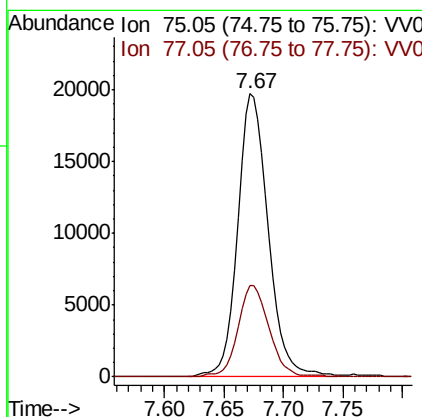
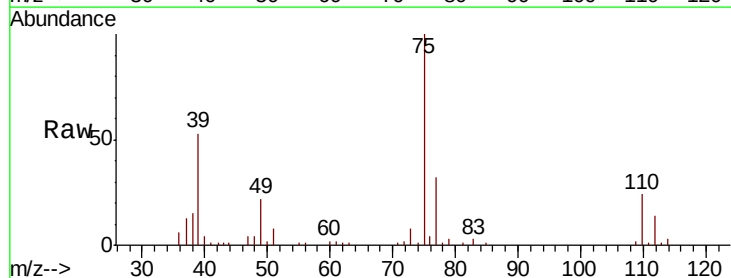
Instrument :
 MSVOA_V
 ClientSampleId :

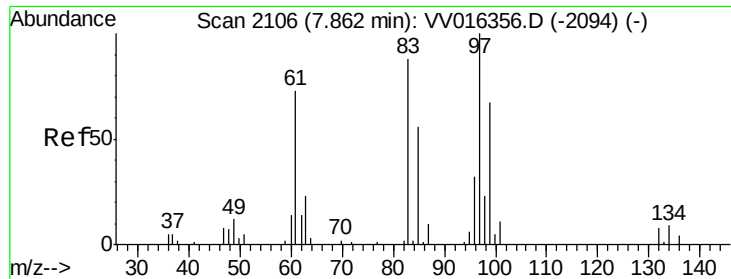
Tot Ion:105 Resp: 126516
 Ion Ratio Lower Upper
 105 100
 120 43.6 35.5 53.3



#46
 trans-1,3-Dichloropropene
 Concen: 5.216 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

Tgt Ion: 75 Resp: 35006
 Ion Ratio Lower Upper
 75 100
 77 32.3 21.1 39.3

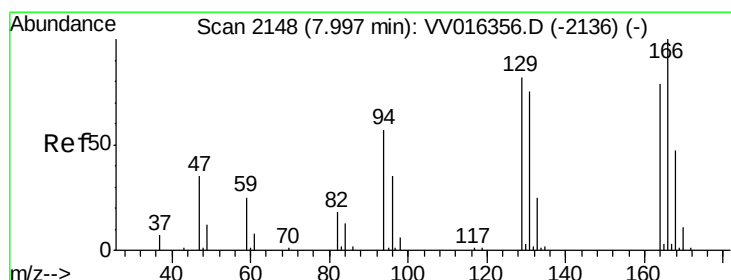
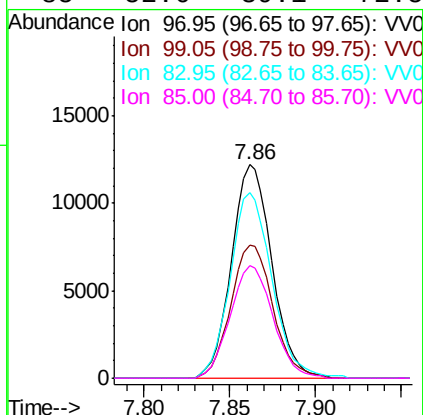
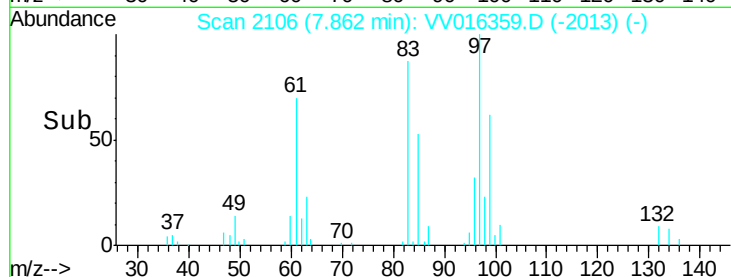
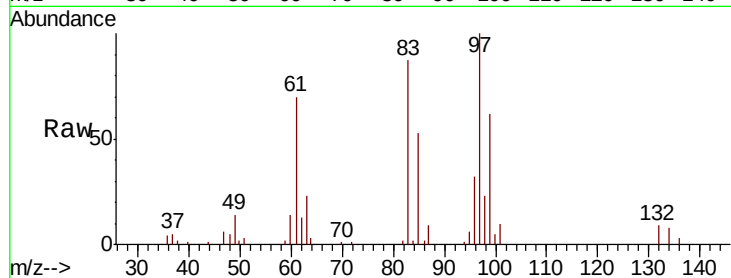




#47
 1,1,2-Trichloroethane
 Concen: 5.109 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

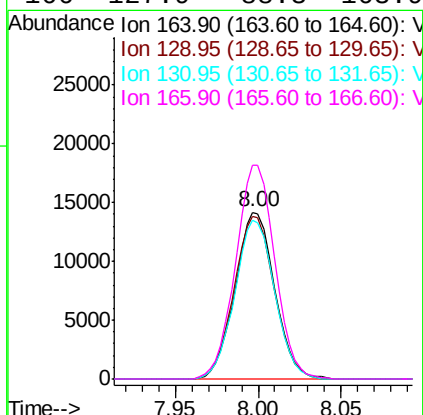
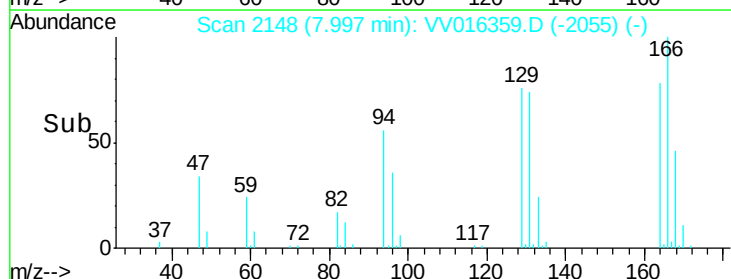
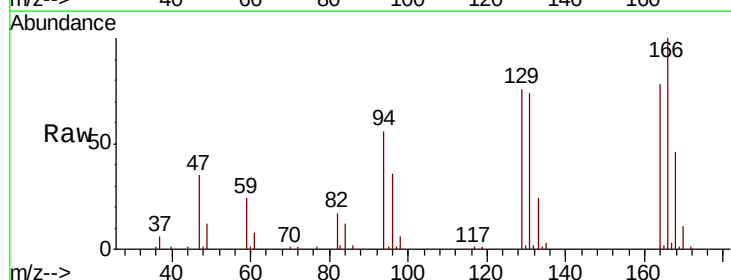
Instrument :
 MSVOA_V
 ClientSampleId :

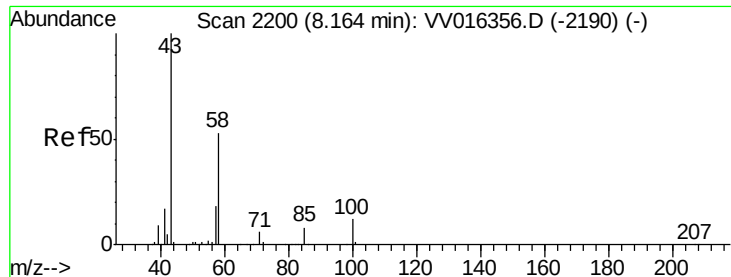
Tot Ion:	97	Resp:	20097
Ion	Ratio	Lower	Upper
97	100		
99	62.2	47.0	87.2
83	87.1	61.7	114.5
85	52.6	39.1	72.5



#49
 Tetrachloroethene
 Concen: 5.032 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

Tgt Ion:	164	Resp:	23535
Ion	Ratio	Lower	Upper
164	100		
129	97.7	72.2	134.0
131	95.1	65.8	122.2
166	127.9	88.3	163.9

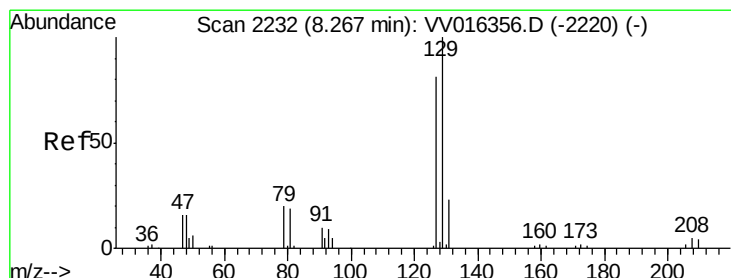
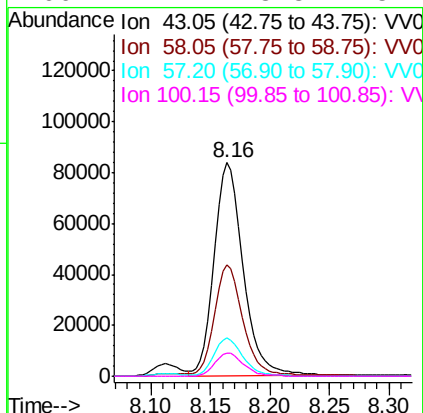
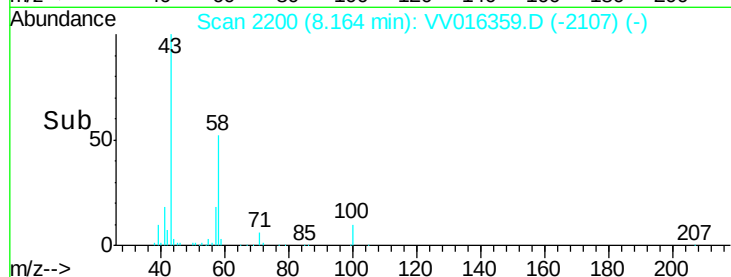
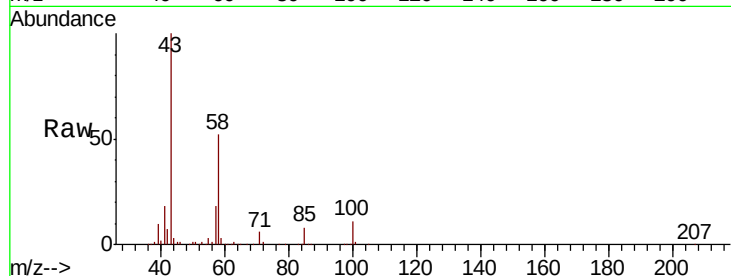




#50
2-Hexanone
Concen: 54.773 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV016359.D
Acq: 30 May 2020 14:50

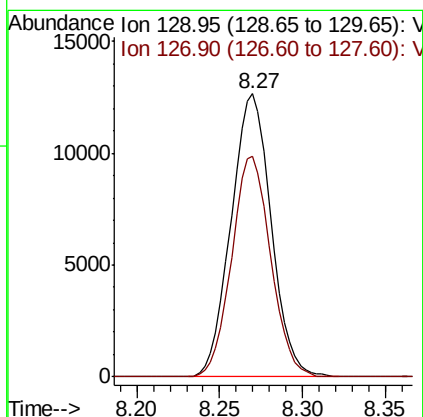
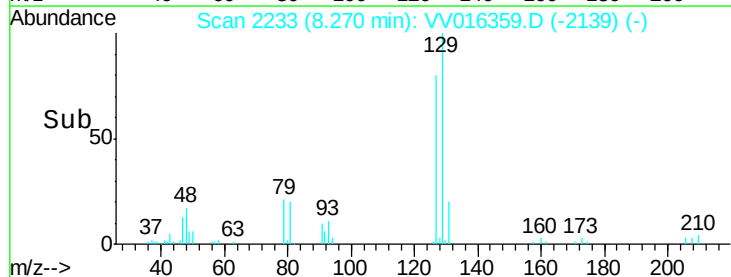
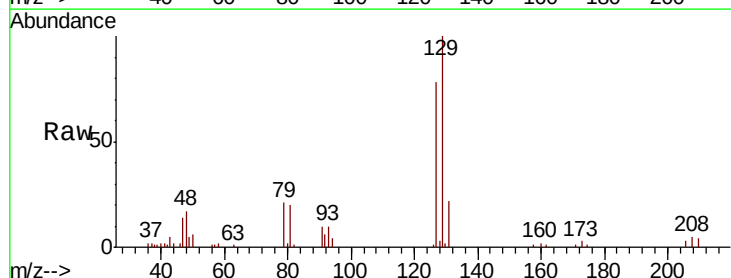
Instrument :
MSVOA_V
ClientSampled :

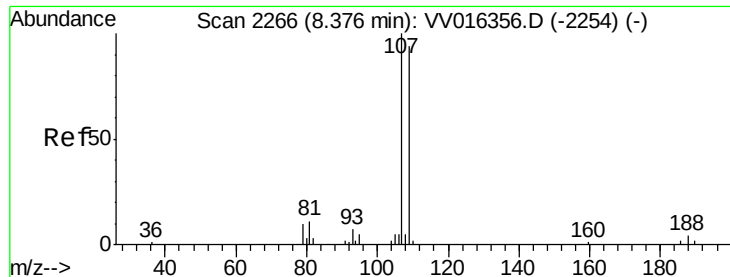
Tot Ion: 43 Resp: 141899
Ion Ratio Lower Upper
43 100
58 51.9 41.1 61.7
57 17.7 14.2 21.4
100 11.1 8.8 13.2



#51
Dibromochloromethane
Concen: 5.177 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016359.D
Acq: 30 May 2020 14:50

Tgt Ion: 129 Resp: 21294
Ion Ratio Lower Upper
129 100
127 77.9 57.0 105.8





#52

1,2-Dibromoethane

Concen: 5.131 ug/L

RT: 8.38 min Scan# 2266

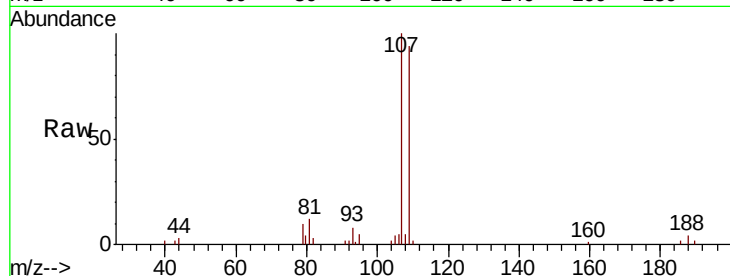
Delta R.T. -0.00 min

Lab File: VV016359.D

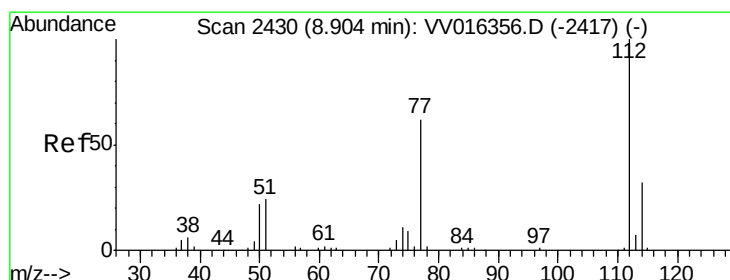
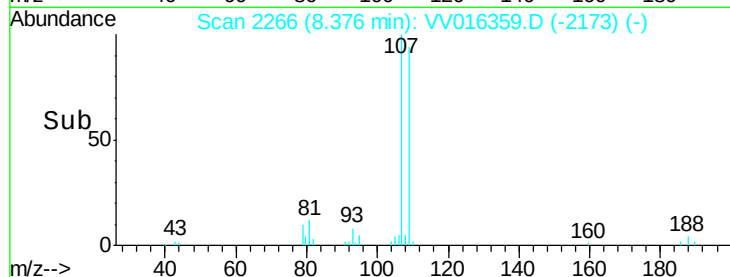
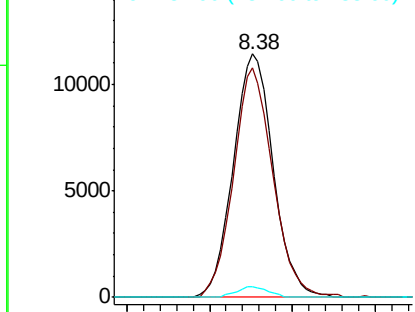
Acq: 30 May 2020 14:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	19077
Ion	Ratio	Lower	Upper
107	100		
109	94.2	65.9	122.3
188	4.2	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: 5.068 ug/L

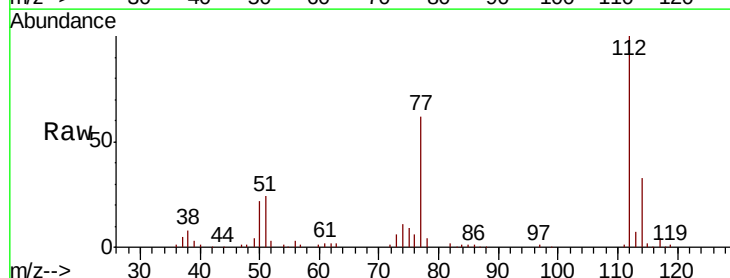
RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

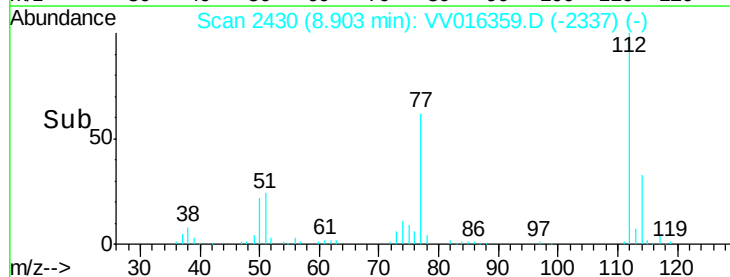
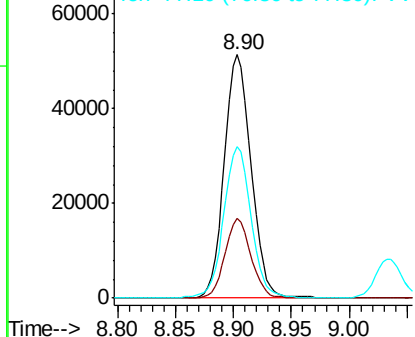
Lab File: VV016359.D

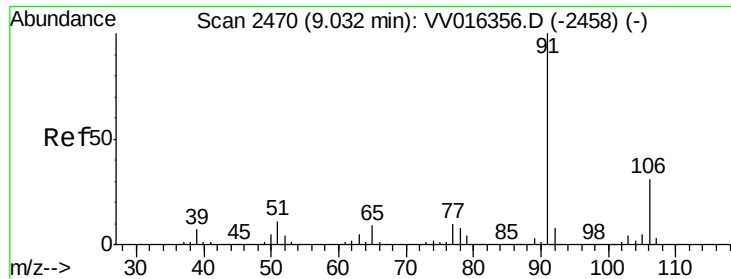
Acq: 30 May 2020 14:50

Tgt Ion:	112	Resp:	82247
Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.6	42.0
77	62.3	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: 5.227 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

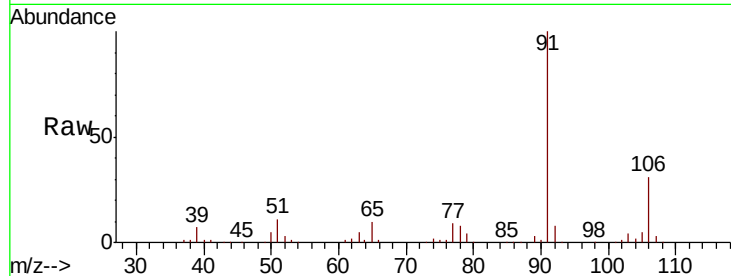
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 149059

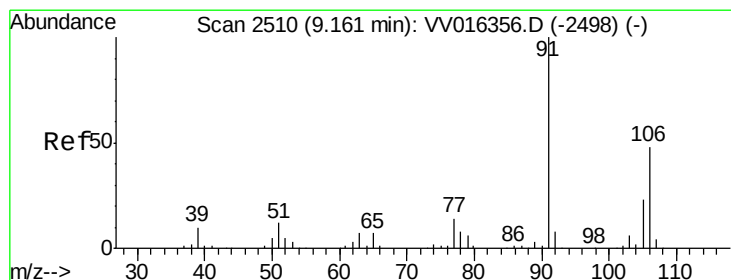
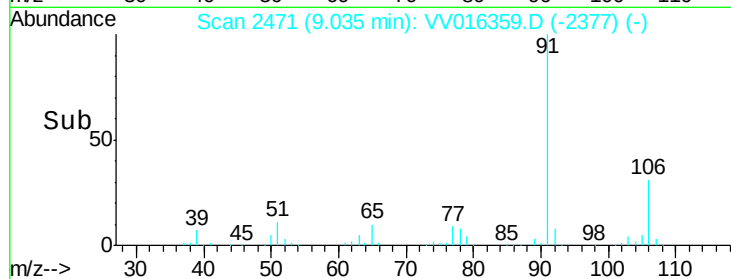
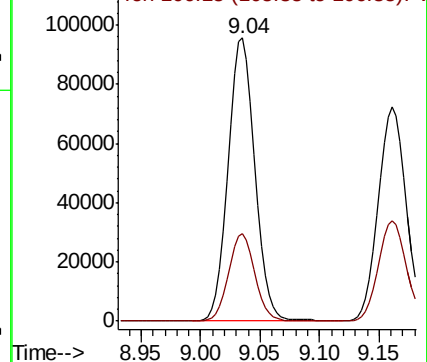
Ion Ratio Lower Upper

91 100

106 31.1 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VV016359.D (-2377) (-)



#55

m,p-xylene

Concen: 5.206 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016359.D

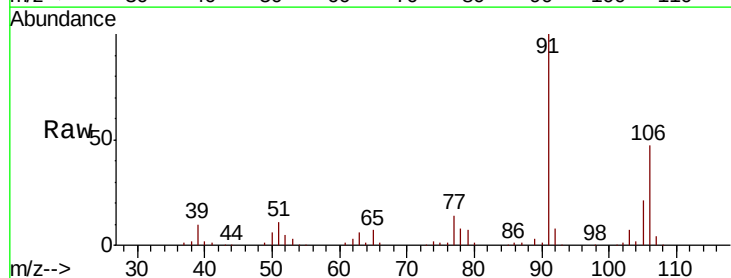
Acq: 30 May 2020 14:50

Tgt Ion: 106 Resp: 55567

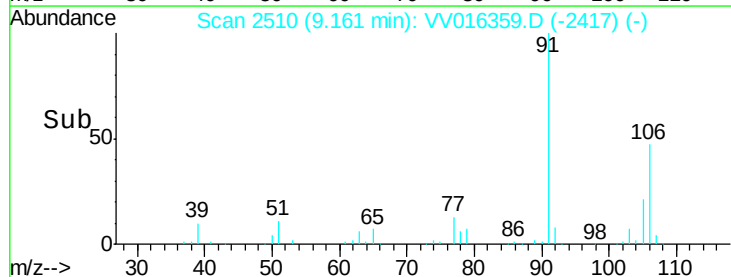
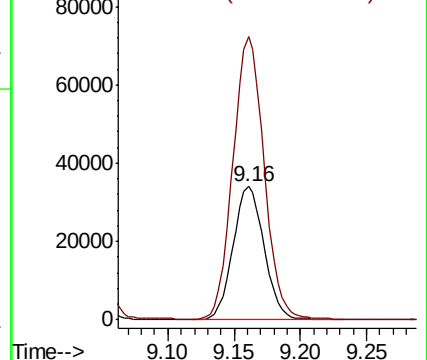
Ion Ratio Lower Upper

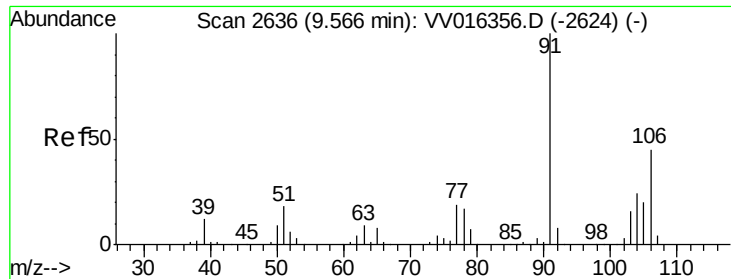
106 100

91 212.6 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VV016359.D (-2417) (-)

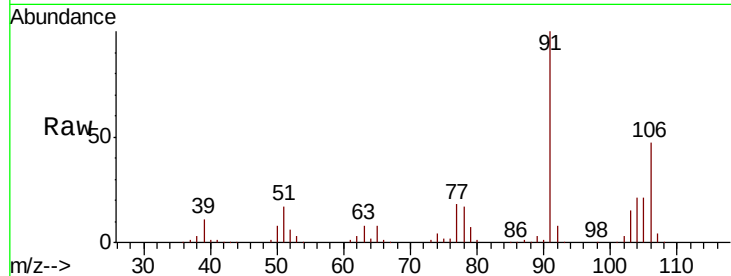




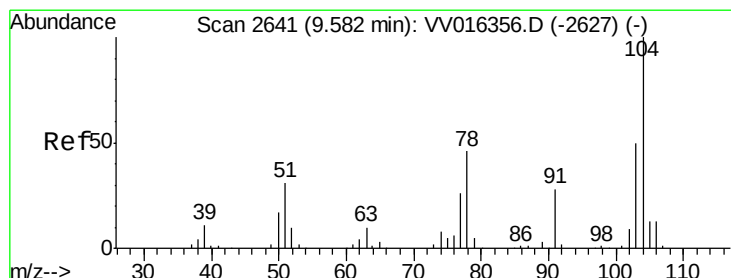
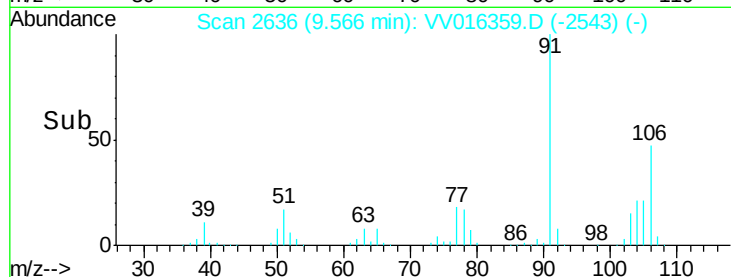
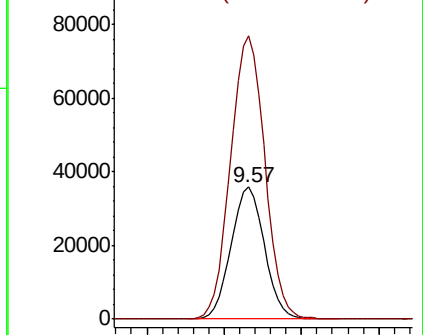
#56
o-xylene
Concen: 5.357 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV016359.D
Acq: 30 May 2020 14:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 53854
Ion Ratio Lower Upper
106 100
91 214.3 155.2 288.2

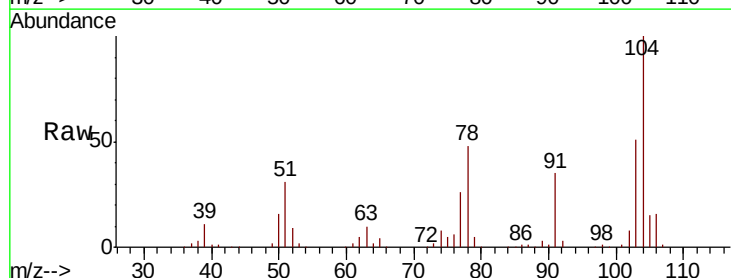


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

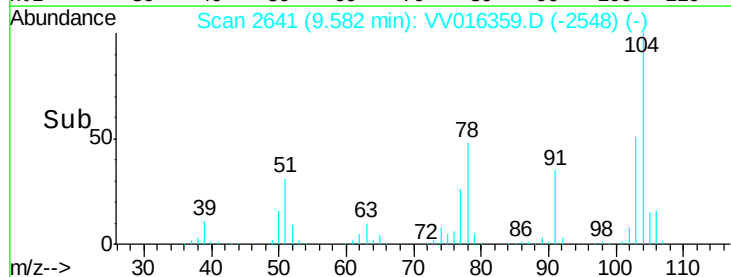
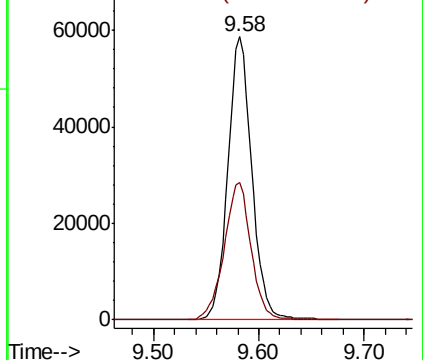


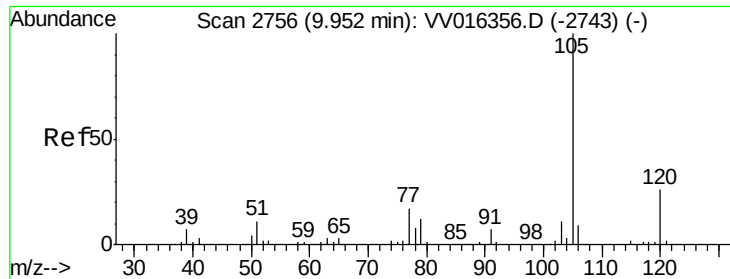
#57
Styrene
Concen: 5.378 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016359.D
Acq: 30 May 2020 14:50

Tgt Ion:104 Resp: 92312
Ion Ratio Lower Upper
104 100
78 48.4 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: 5.296 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

Instrument :
MSVOA_V
ClientSampleId :

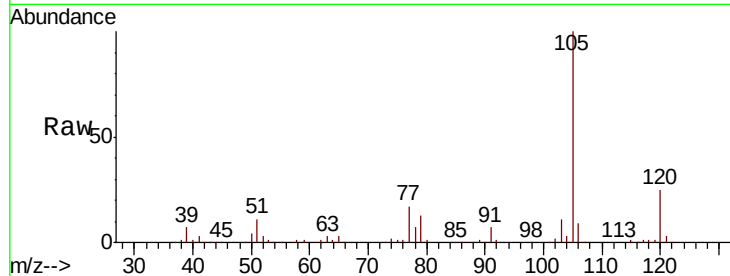
Tot Ion:105 Resp: 145071

Ion Ratio Lower Upper

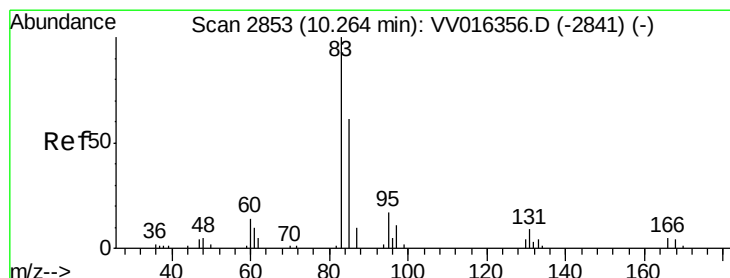
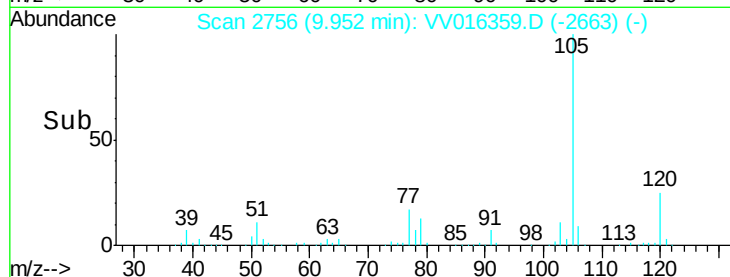
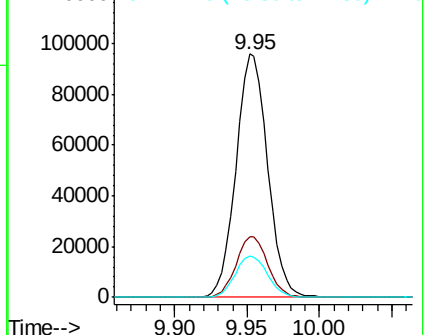
105 100

120 25.0 20.7 31.1

77 17.5 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: 5.030 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

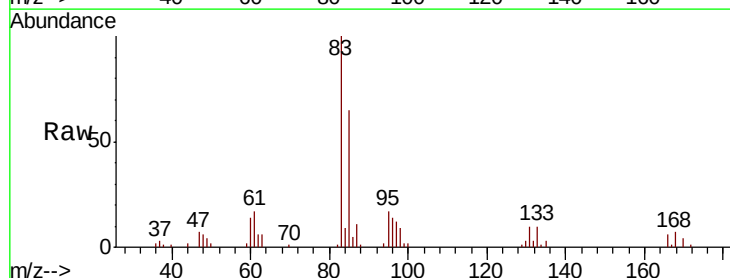
Tgt Ion: 83 Resp: 24957

Ion Ratio Lower Upper

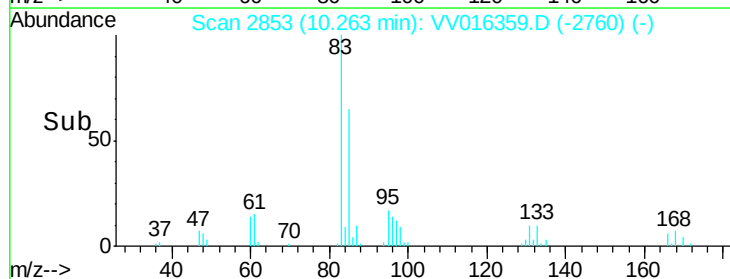
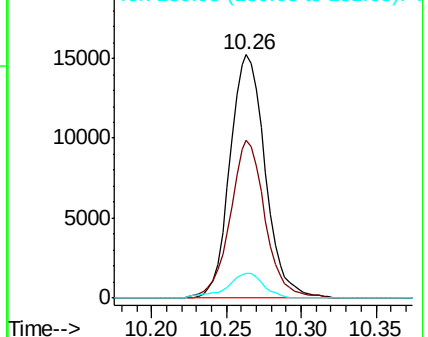
83 100

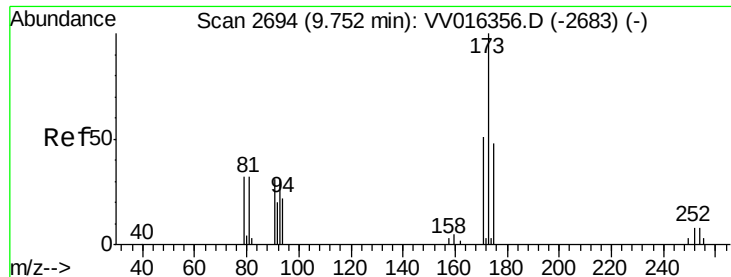
85 64.9 43.7 81.1

131 10.0 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: 5.089 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

Instrument :
MSVOA_V
ClientSampleId :

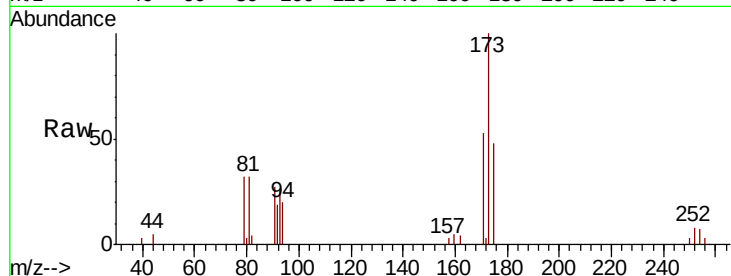
Tot Ion:173 Resp: 8572

Ion Ratio Lower Upper

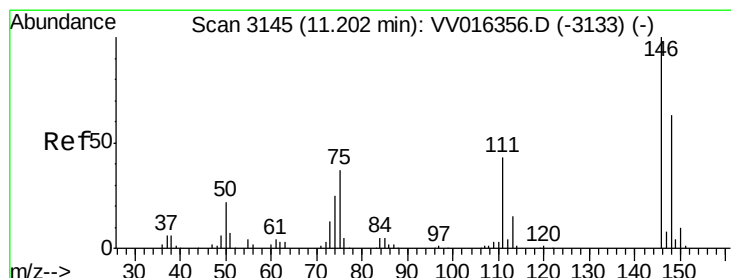
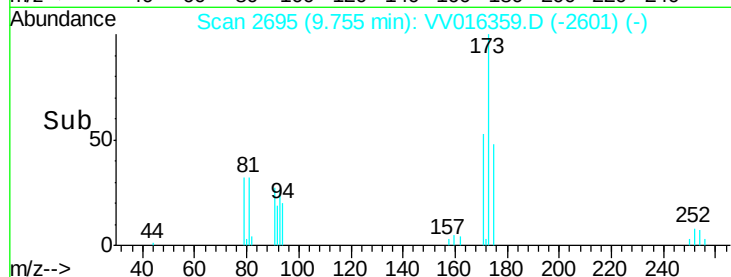
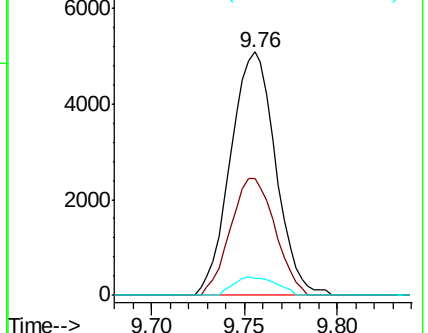
173 100

175 47.6 38.3 57.5

254 7.0 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: 5.305 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016359.D

Acq: 30 May 2020 14:50

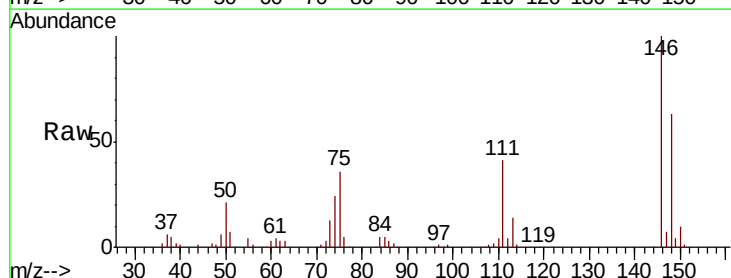
Tgt Ion:146 Resp: 65180

Ion Ratio Lower Upper

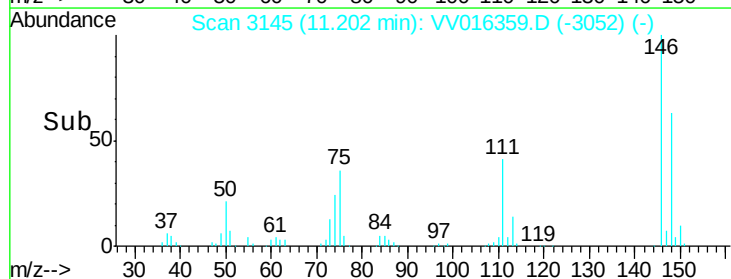
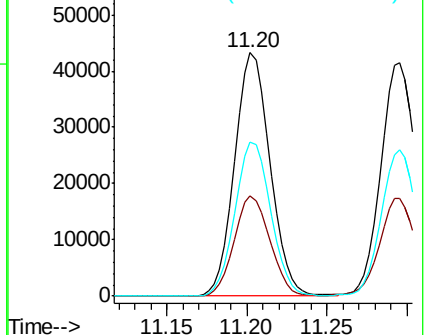
146 100

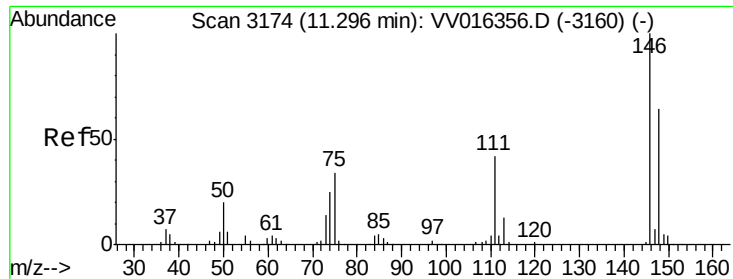
111 41.0 30.3 56.3

148 63.3 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

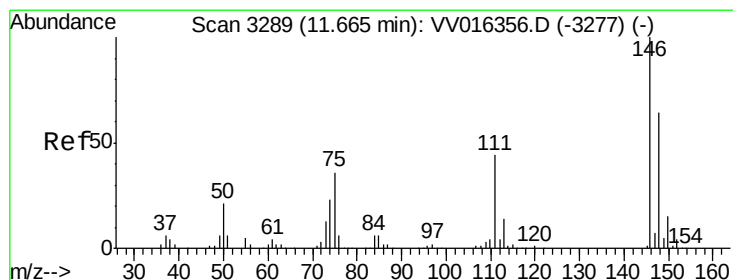
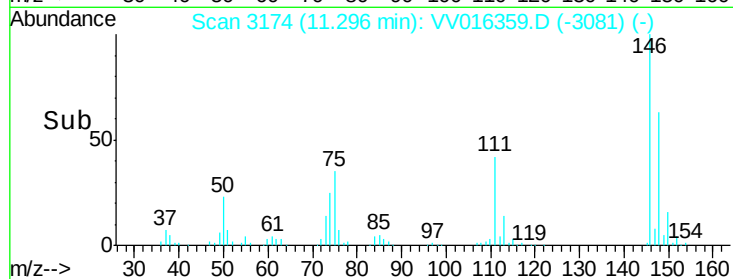
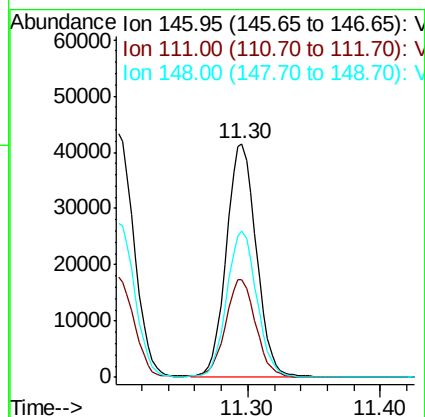
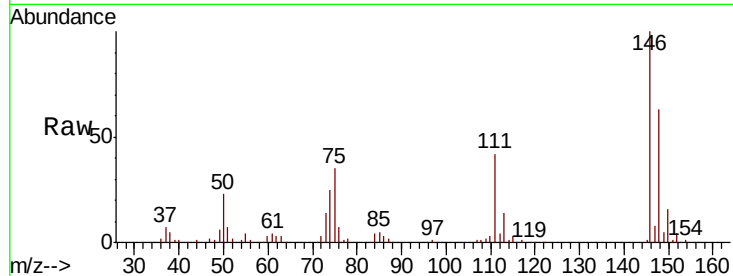




#64
 1,4-Dichlorobenzene
 Concen: 5.148 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

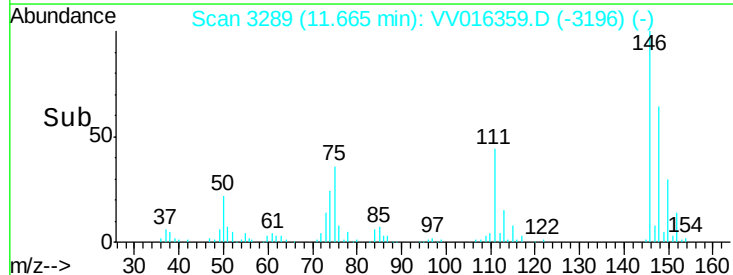
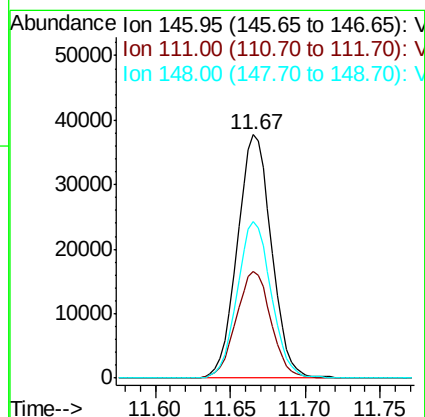
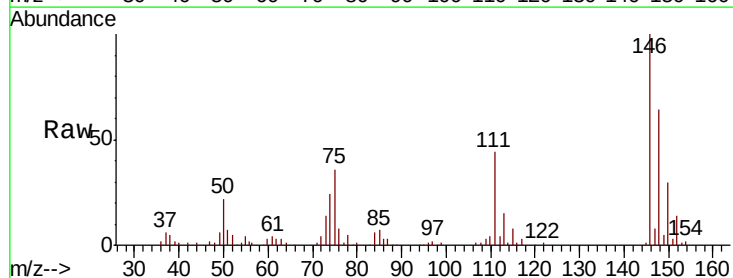
Instrument :
 MSVOA_V
 ClientSampled :

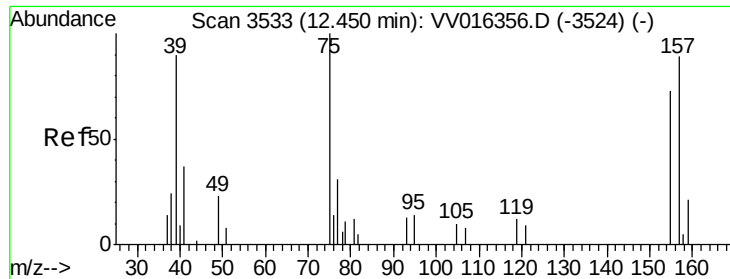
Tot Ion:146 Resp: 65389
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.6 55.0
 148 62.7 44.7 83.1



#66
 1,2-Dichlorobenzene
 Concen: 5.247 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

Tgt Ion:146 Resp: 60002
 Ion Ratio Lower Upper
 146 100
 111 43.9 35.4 53.2
 148 64.2 51.0 76.4

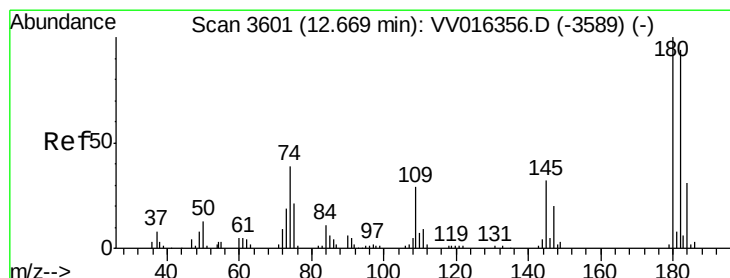
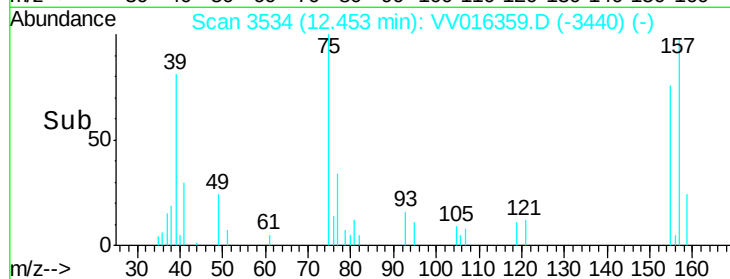
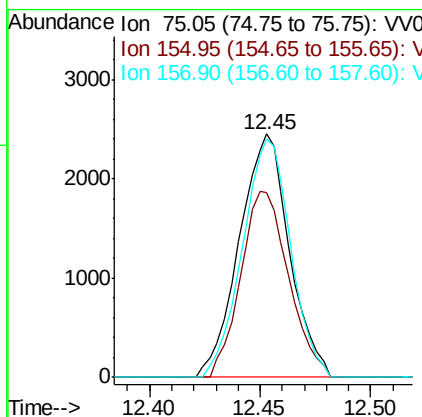
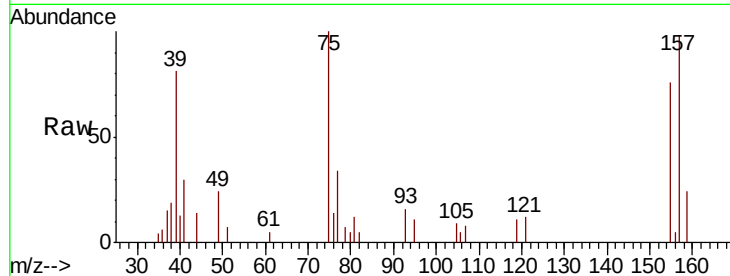




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.184 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

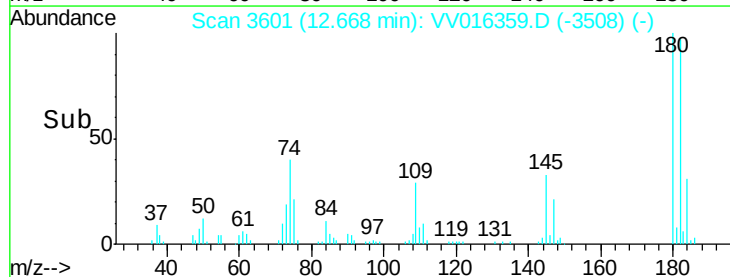
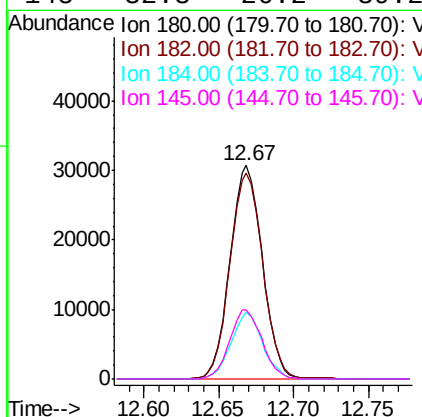
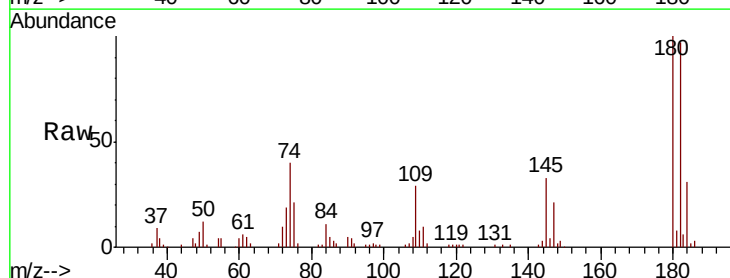
Instrument :
 MSVOA_V
 ClientSampleId :

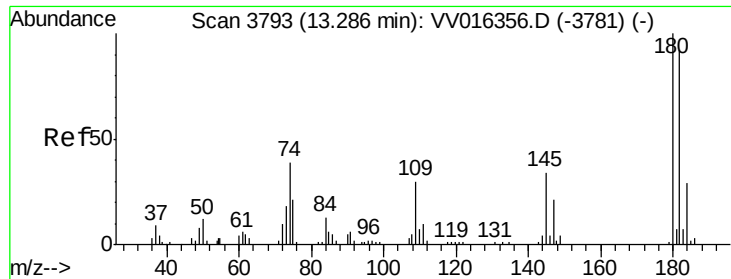
Tot Ion: 75 Resp: 3864
 Ion Ratio Lower Upper
 75 100
 155 75.8 58.1 87.1
 157 97.9 71.0 106.4



#68
 1,3,5-Trichlorobenzene
 Concen: 5.240 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

Tgt Ion: 180 Resp: 46355
 Ion Ratio Lower Upper
 180 100
 182 98.0 75.5 113.3
 184 30.5 24.2 36.2
 145 32.3 26.2 39.2

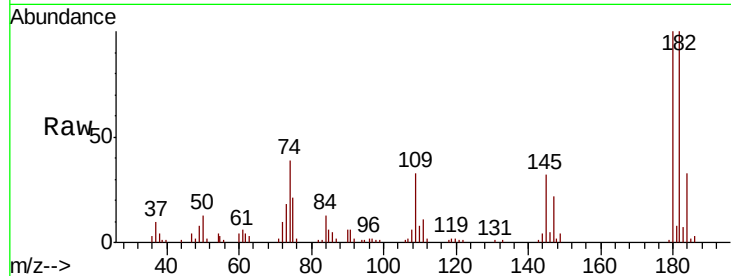




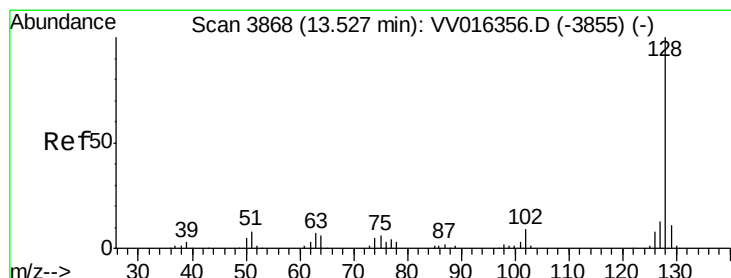
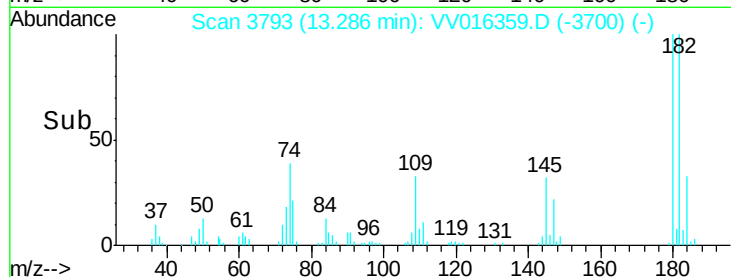
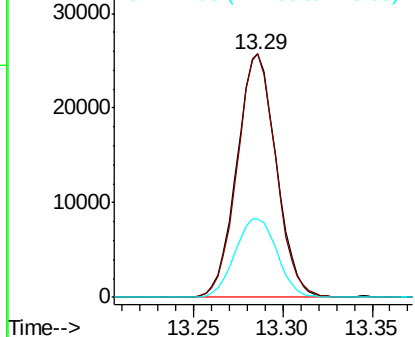
#69
 1,2,4-trichlorobenzene
 Concen: 5.201 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 39501
 Ion Ratio Lower Upper
 180 100
 182 98.5 76.4 114.6
 145 34.5 26.9 40.3

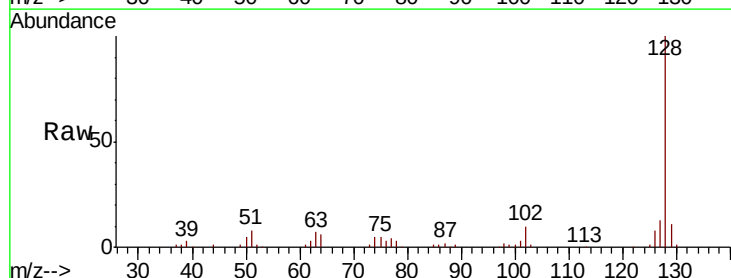


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

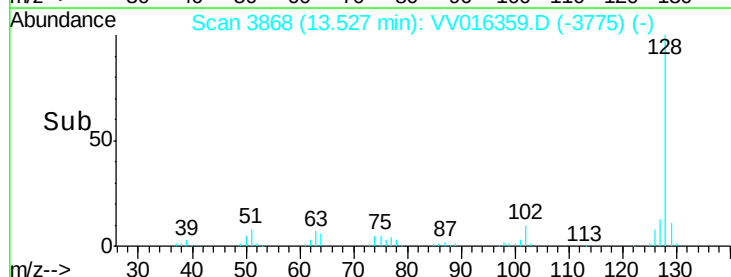
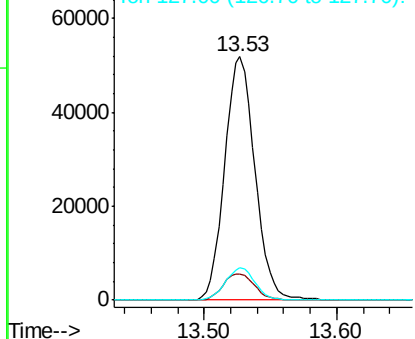


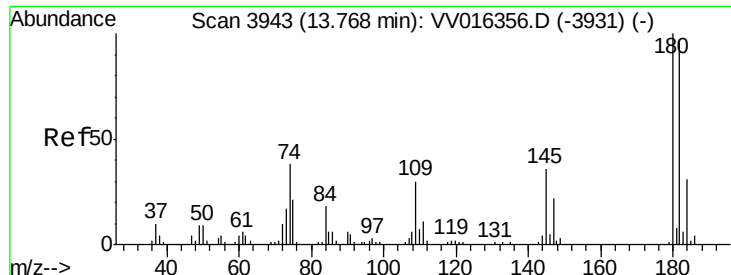
#70
 Naphthalene
 Concen: 4.517 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

Tgt Ion:128 Resp: 82157
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.6 12.8
 127 13.0 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

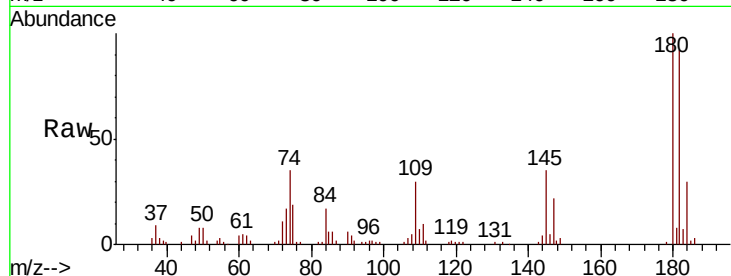




#71
 1,2,3-Trichlorobenzene
 Concen: 5.569 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016359.D
 Acq: 30 May 2020 14:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 37735
 Ion Ratio Lower Upper
 180 100
 182 92.8 75.1 112.7
 145 35.4 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

