

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053120\
 Data File : VV016377.D
 Acq On : 31 May 2020 10:13
 Operator : SY/MD
 Sample : L2662-16 20X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 07:17:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 07:14:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	76958	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	73821	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	37989	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29716	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.58	69	23153	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.12	63	41751	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	3.97	46	61489	42.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.60%
24) Chloroform-d	4.38	84	53824	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.06	65	29334	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.07	84	105712	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.10	67	31708	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.34	98	90001	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
45) trans-1,3-Dichloropropene-	7.65	79	10785	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
48) 2-Hexanone-d5	8.12	63	52552	48.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.70%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	21779	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	34454	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	18518	2.697 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	383	0.073 ug/L #	21
12) 1,1-Dichloroethene	2.13	96	453	0.091 ug/L #	1
22) cis-1,2-Dichloroethene	3.94	96	40374	6.958 ug/L	99
27) 1,2-Dichloroethane	5.17	62	556	0.081 ug/L #	76
33) Benzene	5.13	78	9295	0.425 ug/L	100
35) Methylcyclohexane	6.10	83	7884	0.854 ug/L #	15
37) 1,2-Dichloropropane	6.09	63	3890	0.704 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	926	0.127 ug/L #	77
42) Toluene	7.41	91	21378	0.920 ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	8552	0.415 ug/L	95
44) 1,2,4-Trimethylbenzene	10.94	105	21809	1.039 ug/L	99
50) 2-Hexanone	8.12	43	7896	3.392 ug/L #	74
54) Ethylbenzene	9.04	91	31075	1.213 ug/L	95
55) m,p-xylene	9.16	106	12753	1.330 ug/L	98
56) o-xylene	9.57	106	7581	0.839 ug/L	92
58) Isopropylbenzene	9.95	105	2918	0.119 ug/L	95

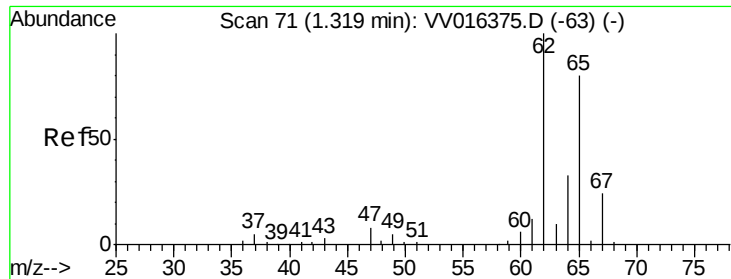
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053120\
Data File : VV016377.D
Acq On : 31 May 2020 10:13
Operator : SY/MD
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 07:14:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dibromo-3-chloropropan	12.49	75	2030	2.859	ug/L	# 9
70) Naphthalene	13.54	128	14309759	826.066	ug/L	95

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



#5

Vinyl chloride

Concen: 2.697 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016377.D

Acq: 31 May 2020 10:13

Instrument :

MSVOA_V

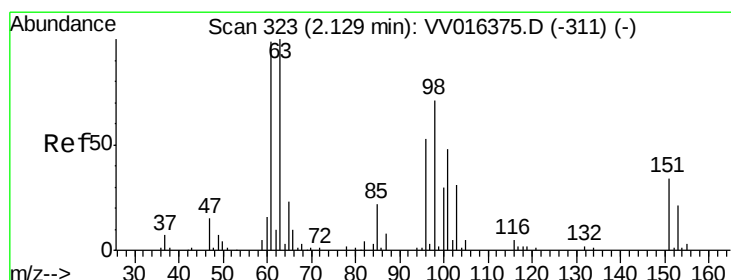
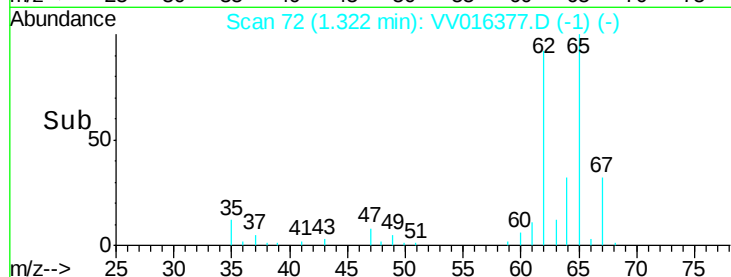
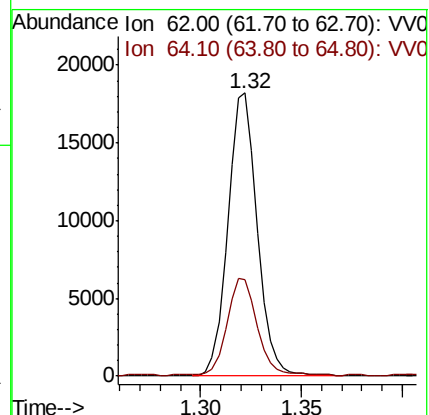
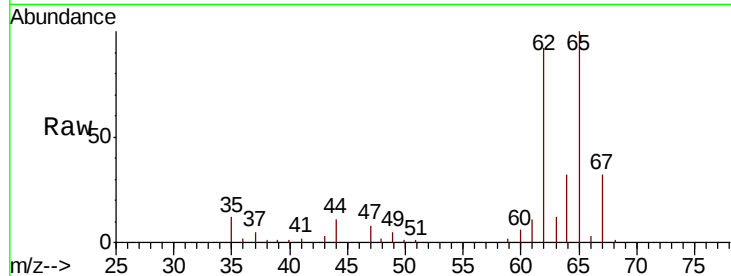
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Tot Ion: 62 Resp: 18518

Ion Ratio Lower Upper

62 100

64 34.3 23.1 42.9



#10

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

Concen: 0.073 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016377.D

Acq: 31 May 2020 10:13

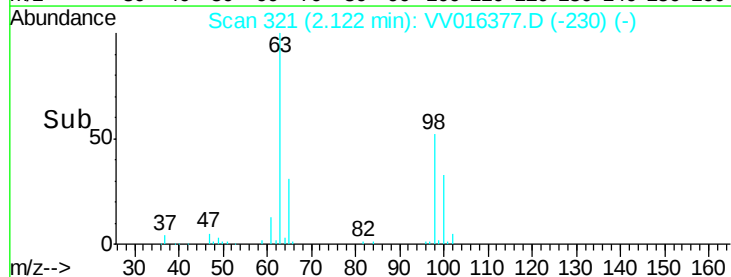
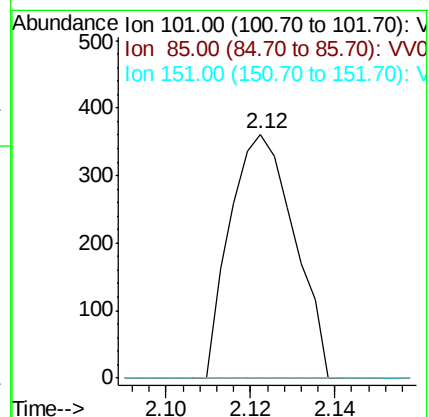
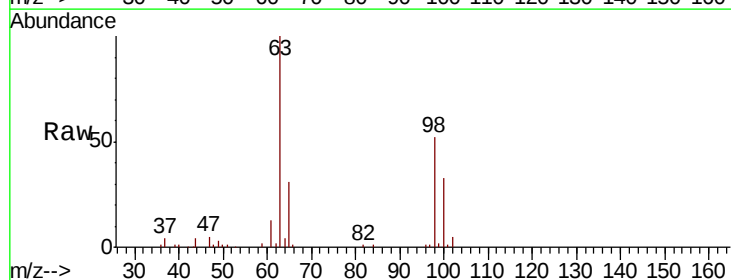
Tgt Ion: 101 Resp: 383

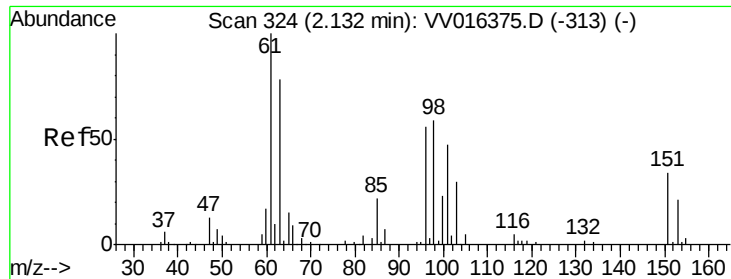
Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

151 0.0 57.2 85.8#





#12

1,1-Dichloroethene

Concen: 0.091 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016377.D

Acq: 31 May 2020 10:13

Instrument :
MSVOA_V
ClientSampleId :

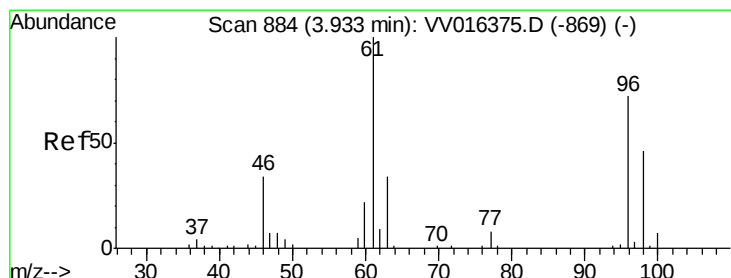
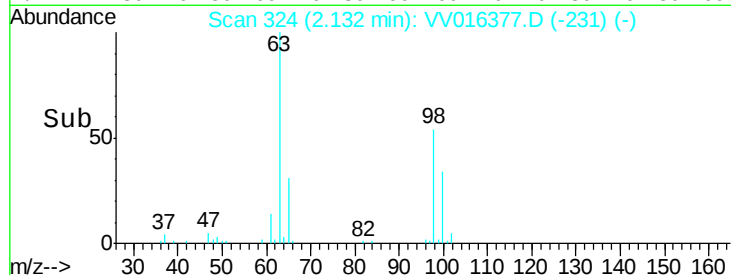
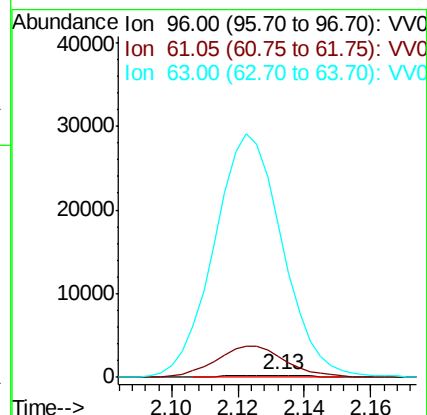
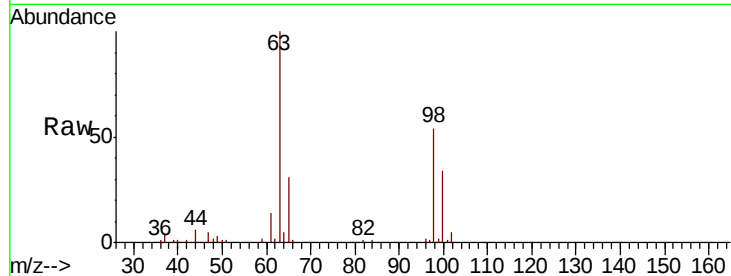
Tot Ion: 96 Resp: 453

Ion Ratio Lower Upper

96 100

61 900.7 125.4 233.0#

63 6626.1 88.2 163.8#



#22

cis-1,2-Dichloroethene

Concen: 6.958 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV016377.D

Acq: 31 May 2020 10:13

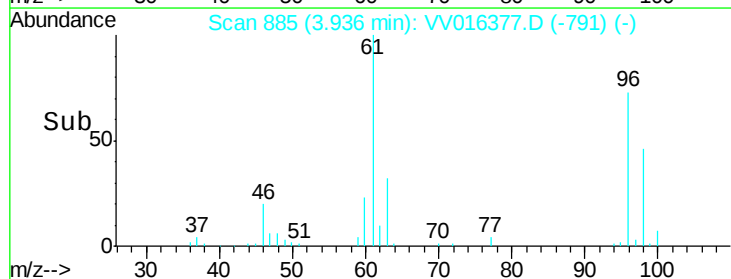
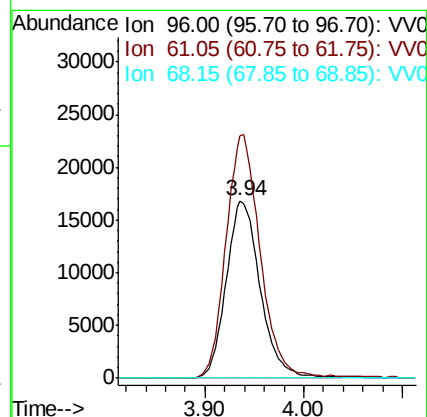
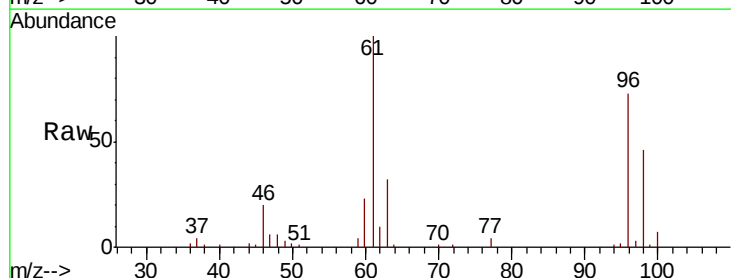
Tgt Ion: 96 Resp: 40374

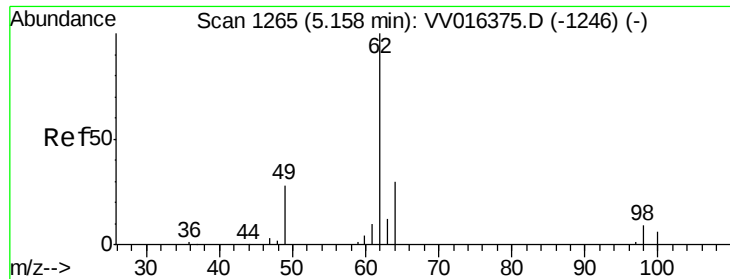
Ion Ratio Lower Upper

96 100

61 136.7 94.8 176.0

68 0.0 0.0 0.0

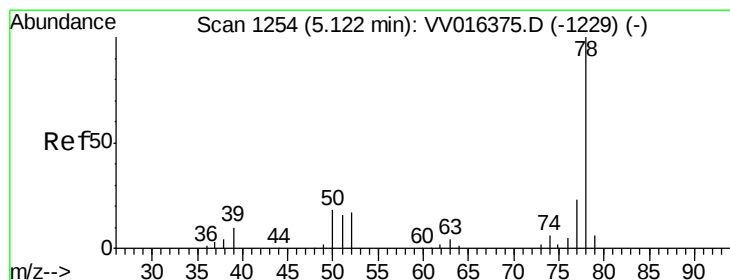
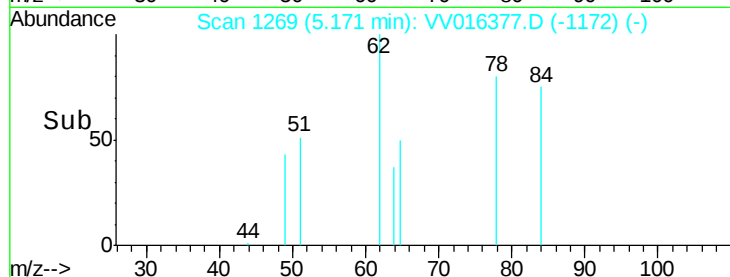
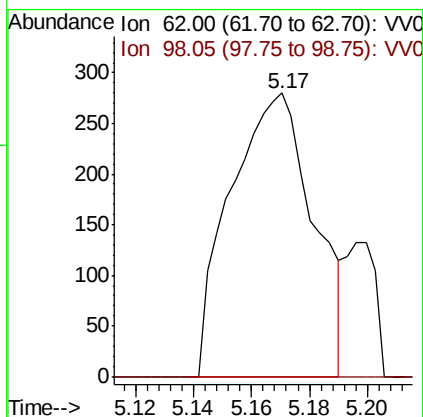
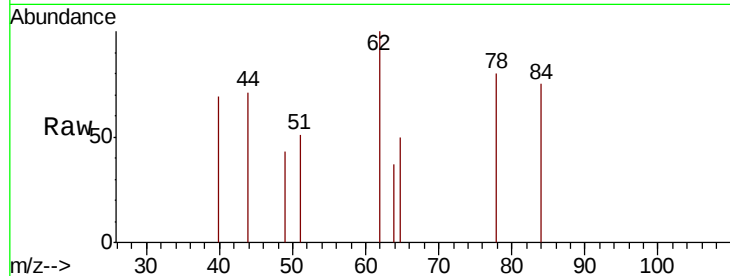




#27
 1,2-Dichloroethane
 Concen: 0.081 ug/L
 RT: 5.17 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VV016377.D
 Acq: 31 May 2020 10:13

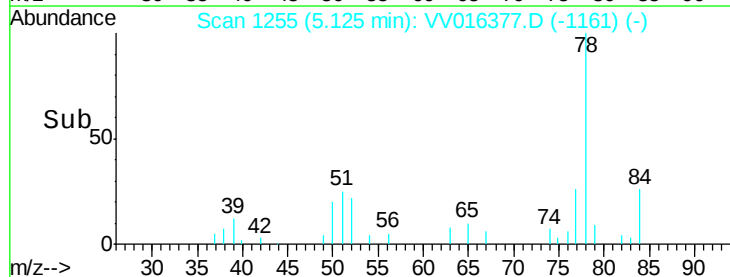
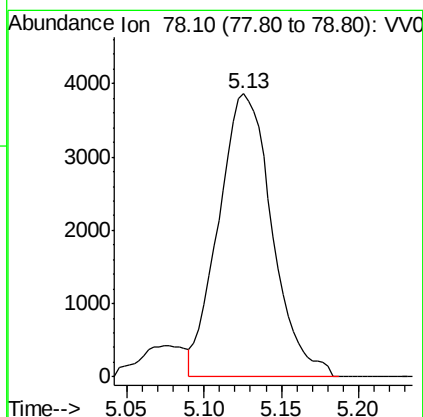
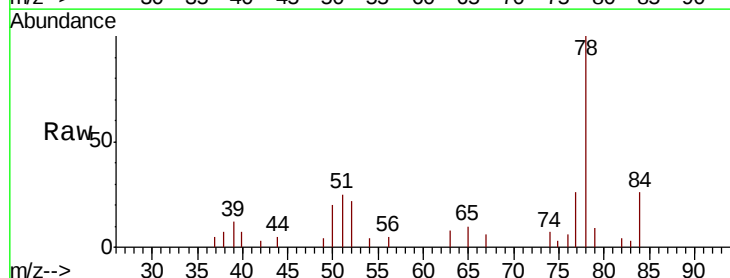
Instrument :
 MSVOA_V
 ClientSampled :

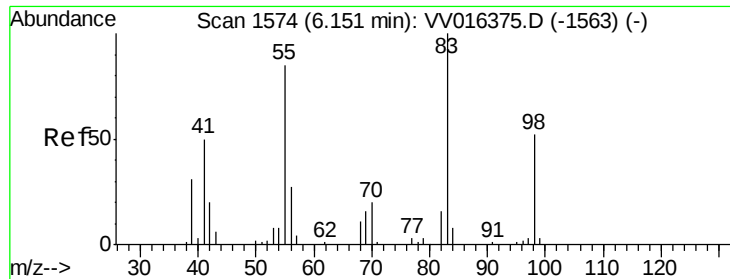
Tot Ion: 62 Resp: 556
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.4#



#33
 Benzene
 Concen: 0.425 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VV016377.D
 Acq: 31 May 2020 10:13

Tgt Ion: 78 Resp: 9295

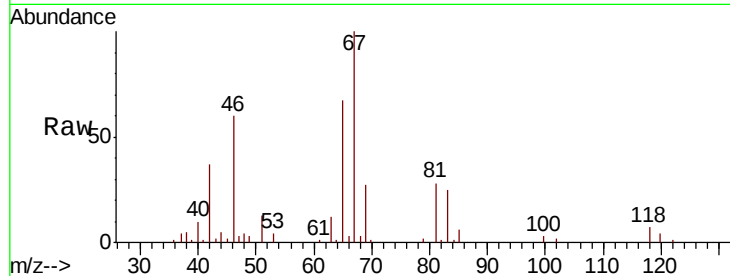




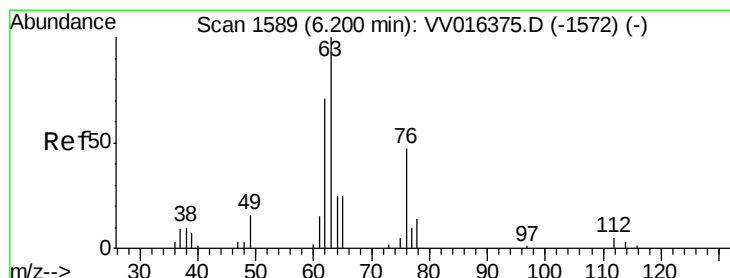
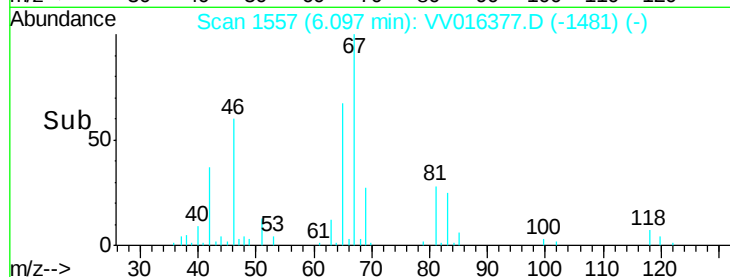
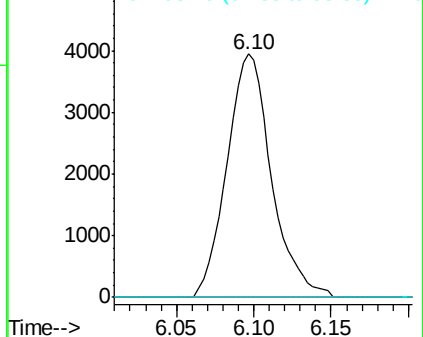
#35
Methvlcvclohexane
Concen: 0.854 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV016377.D
Acq: 31 May 2020 10:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 7884
Ion Ratio Lower Upper
83 100
55 0.0 67.0 100.4#
98 0.0 39.0 58.4#

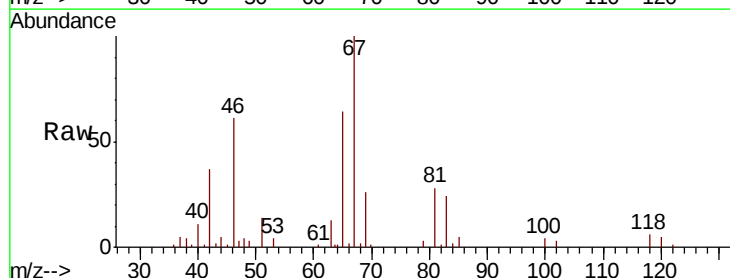


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

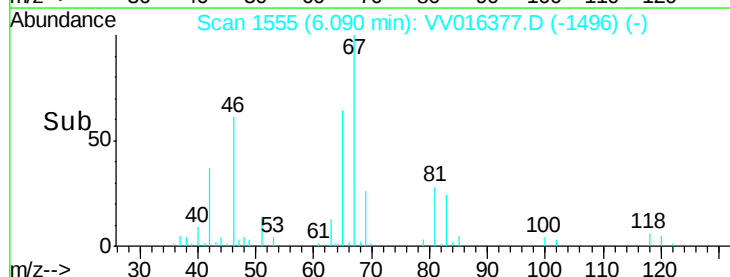
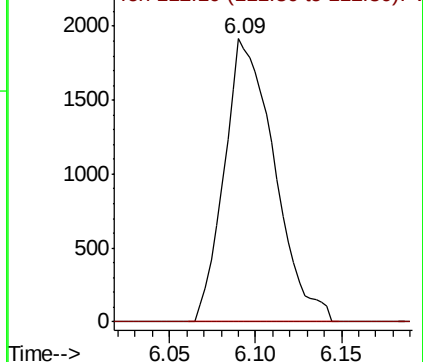


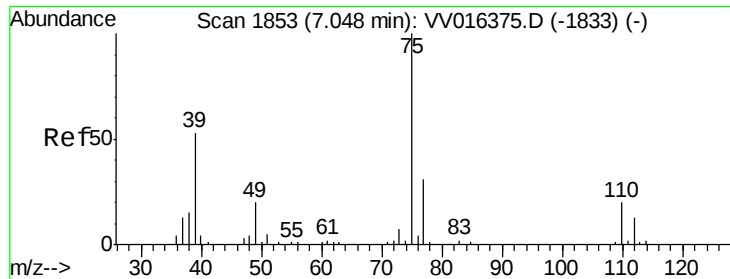
#37
1,2-Dichloropropane
Concen: 0.704 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.11 min
Lab File: VV016377.D
Acq: 31 May 2020 10:13

Tgt Ion: 63 Resp: 3890
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V



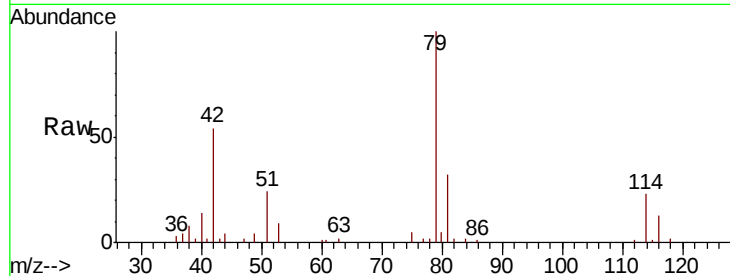


#39

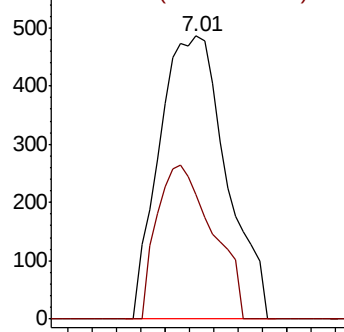
cis-1,3-Dichloropropene
Concen: 0.127 ug/L
RT: 7.01 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VV016377.D
Acq: 31 May 2020 10:13

Instrument :
MSVOA_V
ClientSampled :

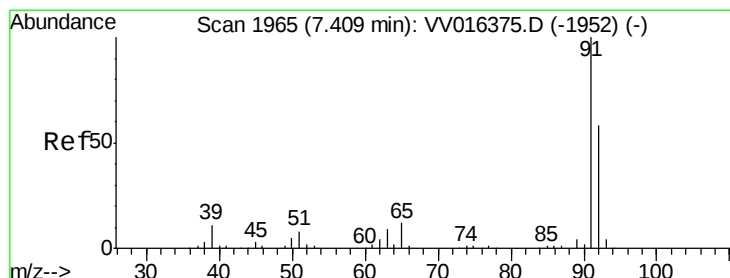
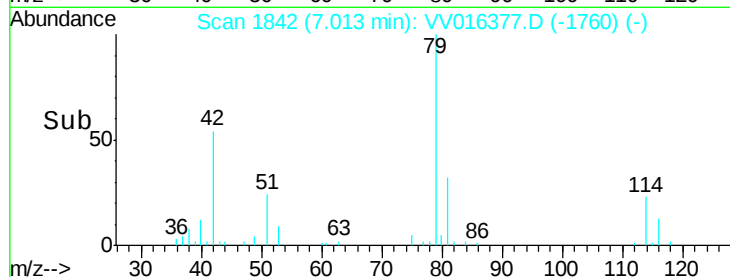
Tot Ion: 75 Resp: 926
Ion Ratio Lower Upper
75 100
77 44.0 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



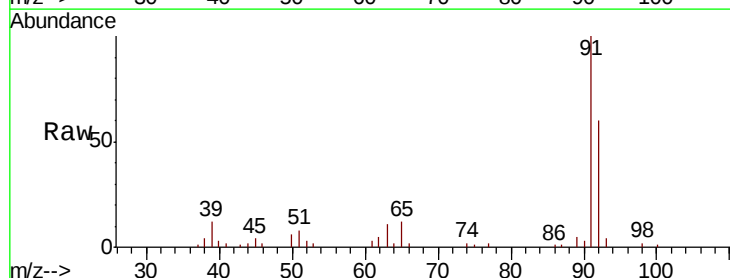
Time-->



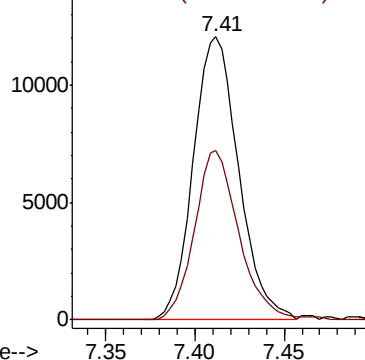
#42

Toluene
Concen: 0.920 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV016377.D
Acq: 31 May 2020 10:13

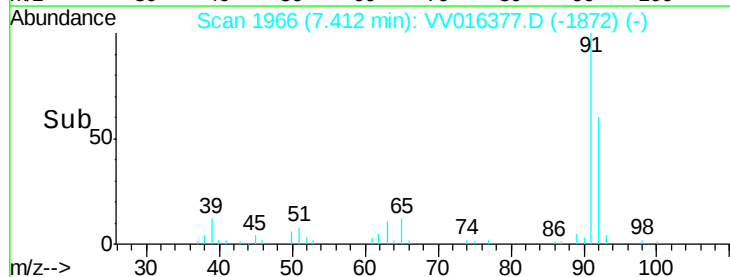
Tgt Ion: 91 Resp: 21378
Ion Ratio Lower Upper
91 100
92 60.0 40.5 75.1

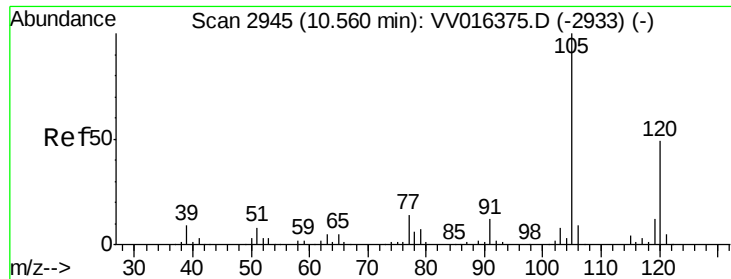


Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



Time-->





#43

1,3,5-Trimethylbenzene

Concen: 0.415 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016377.D

Acq: 31 May 2020 10:13

Instrument :

MSVOA_V

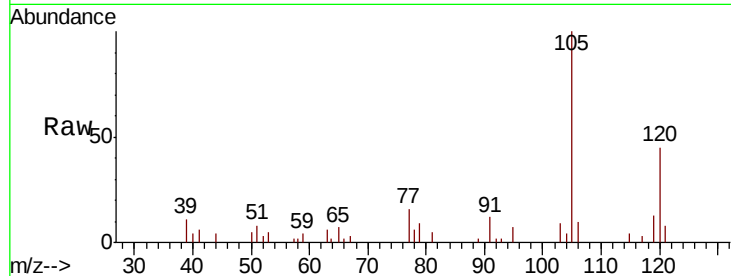
ClientSampled :

Tot Ion:105 Resp: 8552

Ion Ratio Lower Upper

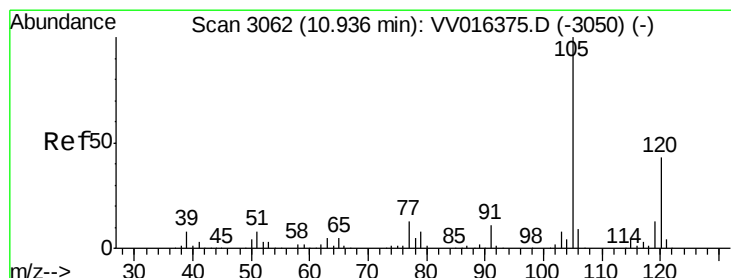
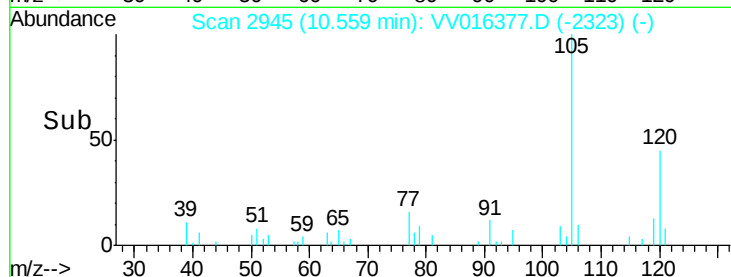
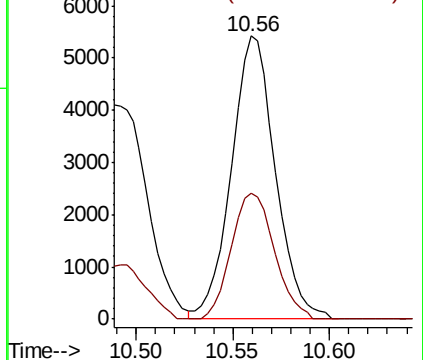
105 100

120 43.6 37.5 56.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#44

1,2,4-Trimethylbenzene

Concen: 1.039 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV016377.D

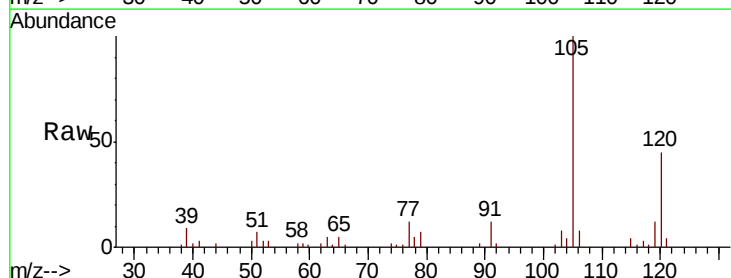
Acq: 31 May 2020 10:13

Tgt Ion:105 Resp: 21809

Ion Ratio Lower Upper

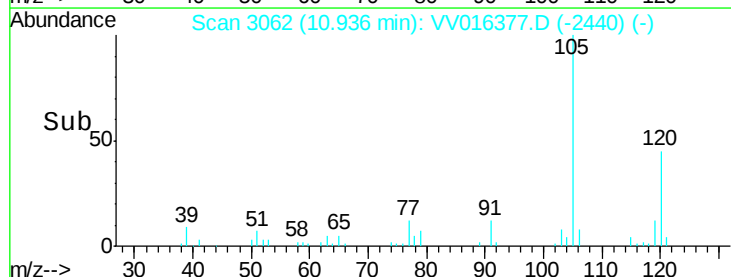
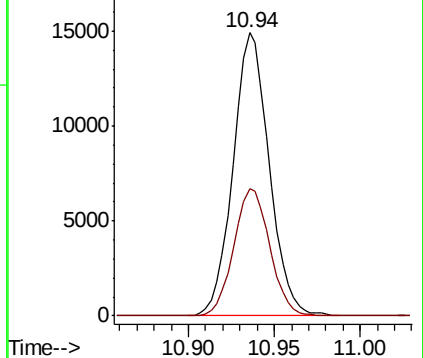
105 100

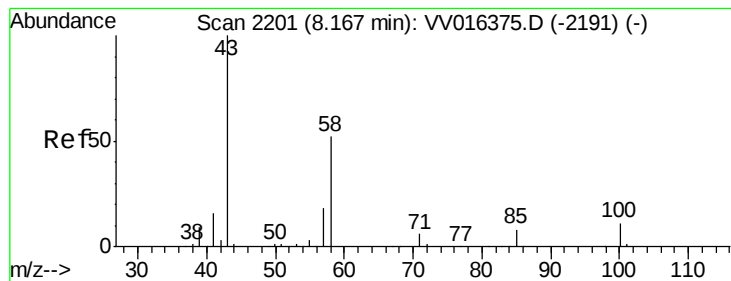
120 44.7 35.5 53.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#50

2-Hexanone

Concen: 3.392 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016377.D

Acq: 31 May 2020 10:13

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 7896

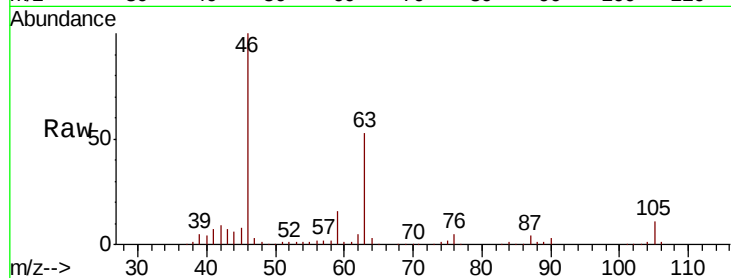
Ion Ratio Lower Upper

43 100

58 30.4 41.1 61.7#

57 24.2 14.2 21.4#

100 0.0 8.8 13.2#

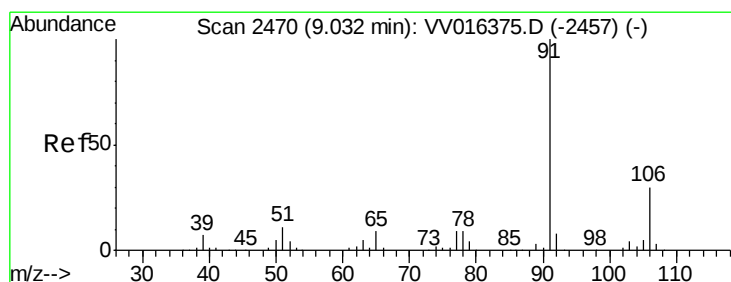
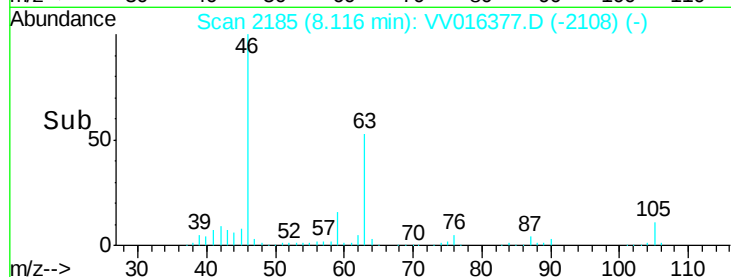
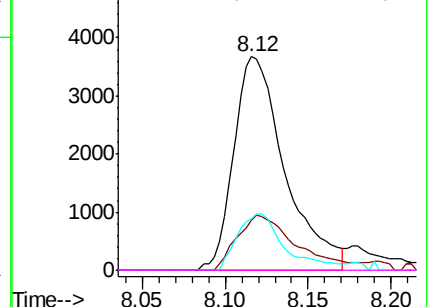


Abundance Ion 43.05 (42.75 to 43.75): VV0

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



#54

Ethylbenzene

Concen: 1.213 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016377.D

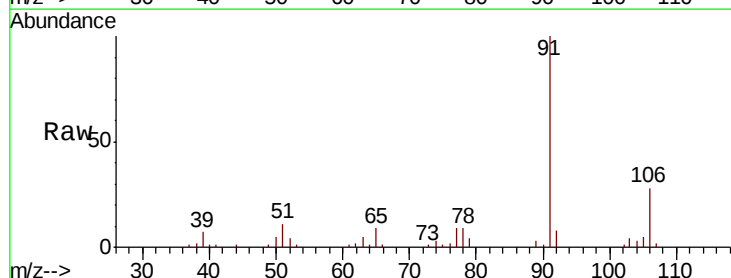
Acq: 31 May 2020 10:13

Tgt Ion: 91 Resp: 31075

Ion Ratio Lower Upper

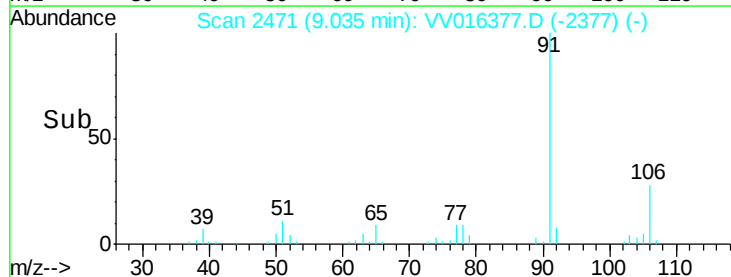
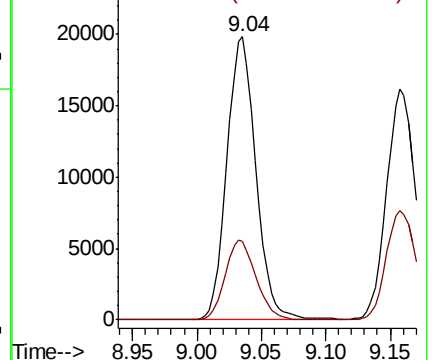
91 100

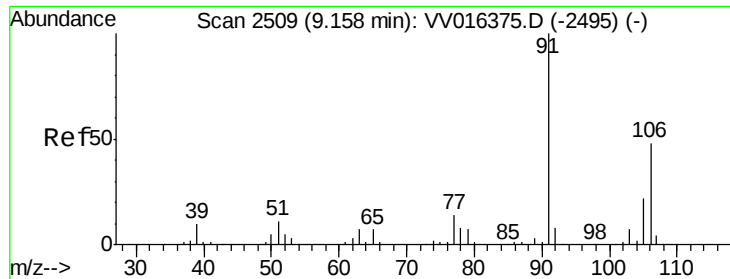
106 27.6 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): VV0

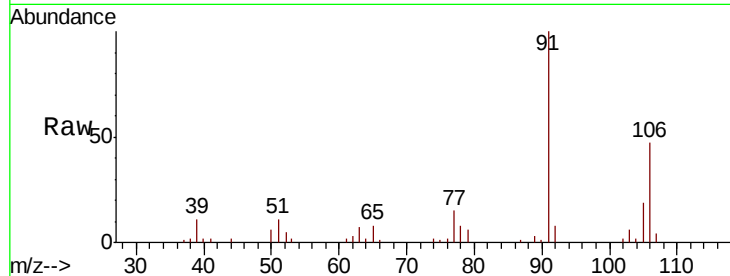




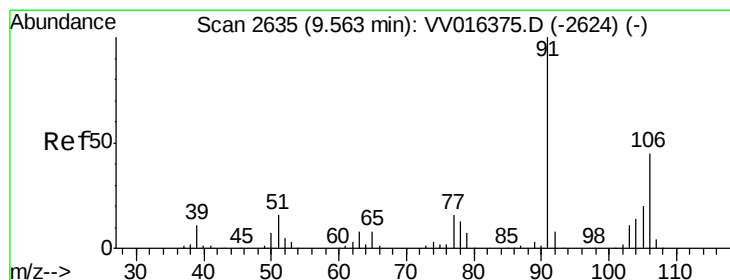
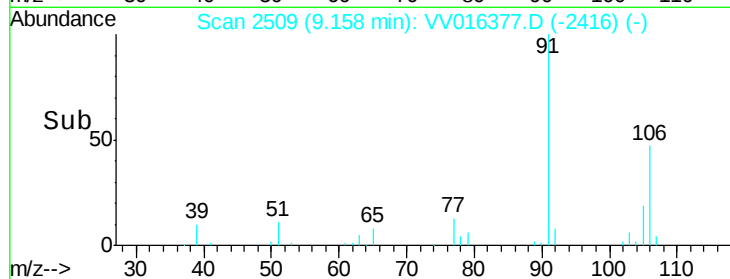
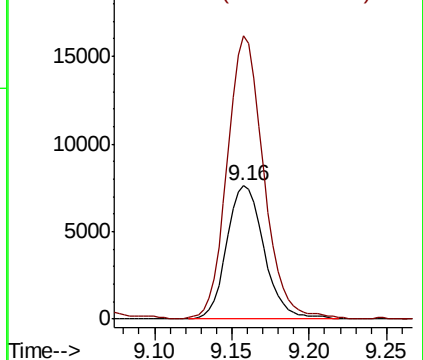
#55
m,p-xylene
Concen: 1.330 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV016377.D
Acq: 31 May 2020 10:13

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 12753
Ion Ratio Lower Upper
106 100
91 212.2 146.6 272.2

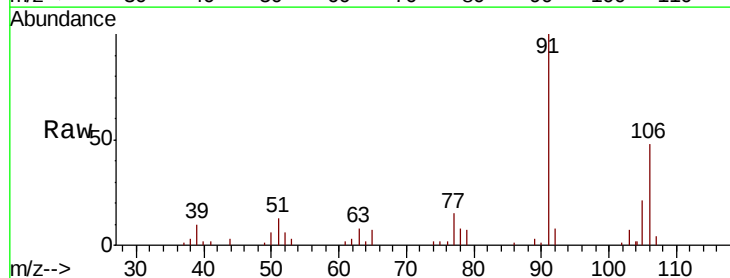


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

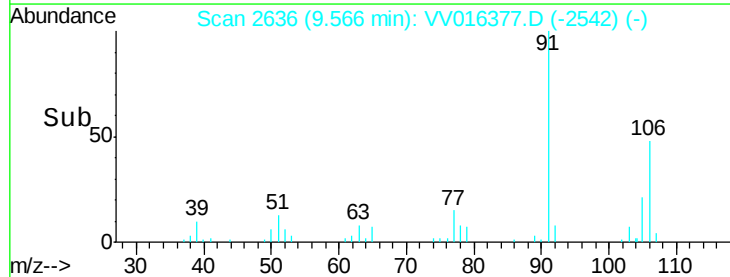
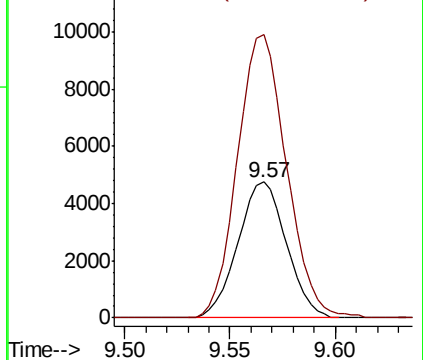


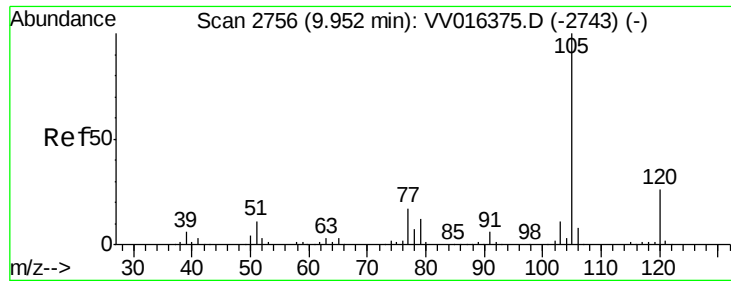
#56
o-xylene
Concen: 0.839 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016377.D
Acq: 31 May 2020 10:13

Tgt Ion:106 Resp: 7581
Ion Ratio Lower Upper
106 100
91 208.5 155.2 288.2



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





#58

Isopropylbenzene

Concen: 0.119 ug/L

RT: 9.95 min Scan# 2757

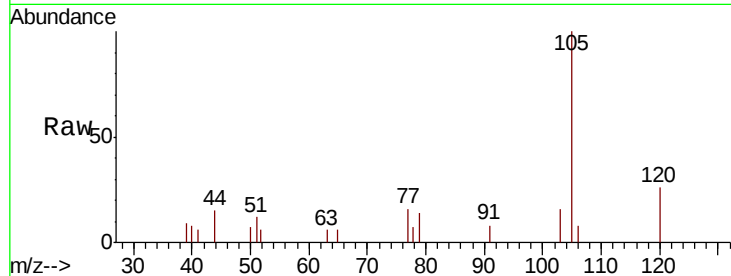
Delta R.T. 0.00 min

Lab File: VV016377.D

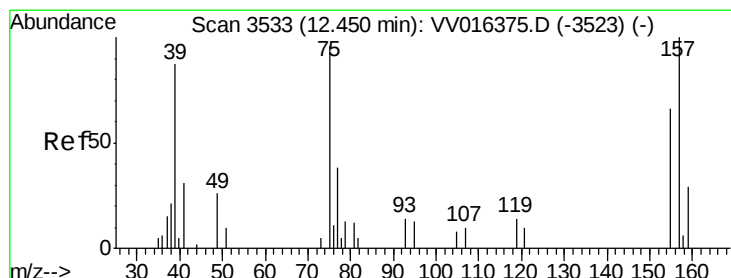
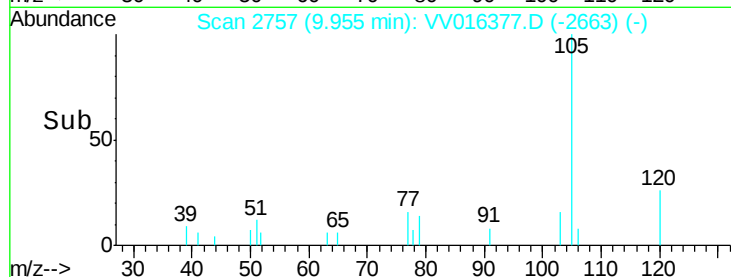
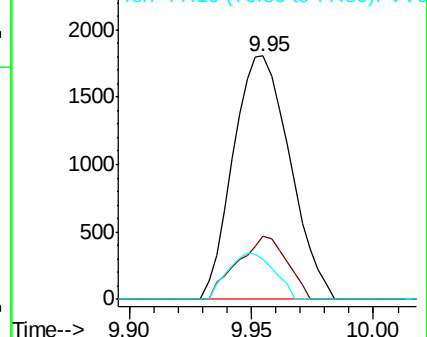
Acq: 31 May 2020 10:13

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	105	Resp:	2918
Ion	Ratio	Lower	Upper
105	100		
120	22.7	20.7	31.1
77	15.5	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



#67

1,2-Dibromo-3-chloropropane

Concen: 2.859 ug/L

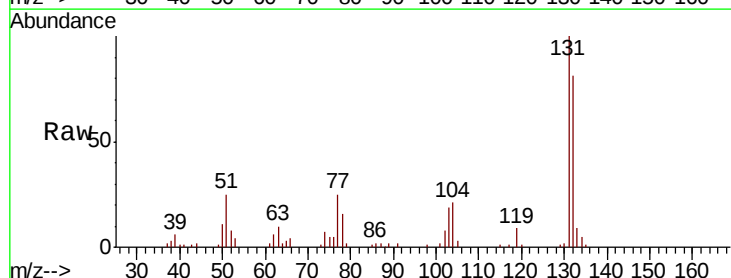
RT: 12.49 min Scan# 3544

Delta R.T. 0.04 min

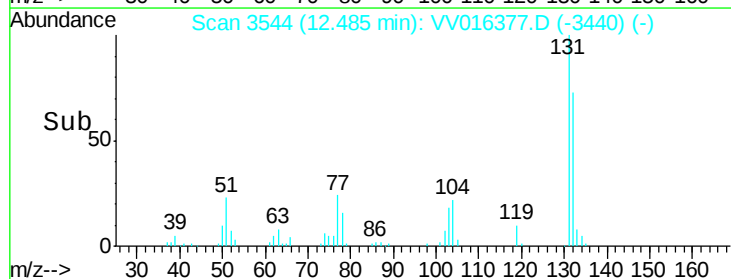
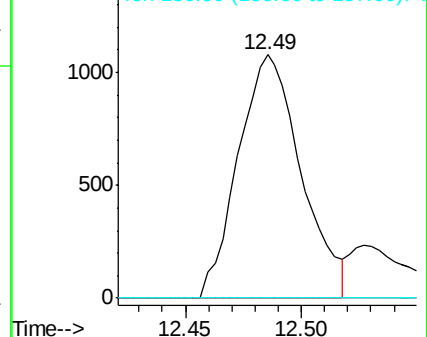
Lab File: VV016377.D

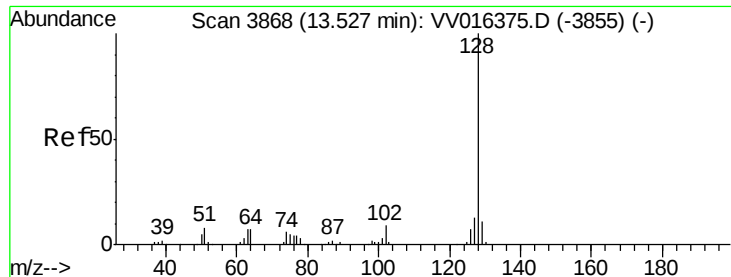
Acq: 31 May 2020 10:13

Tgt Ion:	75	Resp:	2030
Ion	Ratio	Lower	Upper
75	100		
155	0.0	58.1	87.1#
157	0.0	71.0	106.4#



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 154.95 (154.65 to 155.65): V
Ion 156.90 (156.60 to 157.60): V





#70

Naphthalene

Concen: 826.066 ug/L

RT: 13.54 min Scan# 3871

Delta R.T. 0.01 min

Lab File: VV016377.D

Acq: 31 May 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

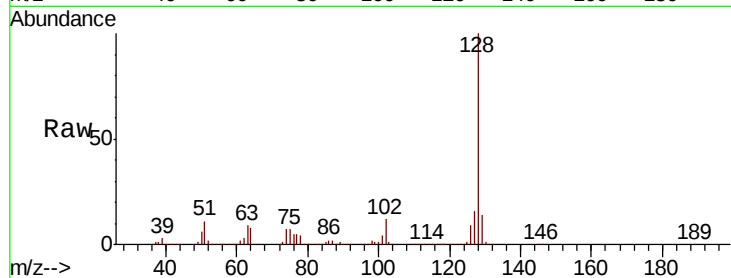
Tot Ion:128 Resp:14309759

Ion Ratio Lower Upper

128 100

129 12.8 8.6 12.8

127 15.1 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

