

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
 Data File : VV016140.D
 Acq On : 20 May 2020 18:34
 Operator : SY/MD
 Sample : L2725-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 21 01:43:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	137347	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	137273	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	79190	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	31401	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.58	69	34827	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.12	63	54794	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	3.98	46	103079	48.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.00%
24) Chloroform-d	4.38	84	85633	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.06	65	48651	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.08	84	158909	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.10	67	52465	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.34	98	140483	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
45) trans-1,3-Dichloropropene-	7.65	79	16056	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
48) 2-Hexanone-d5	8.12	63	104771	60.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.90%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39640	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	63260	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	82915	8.138	ug/L 97
8) Chloroethane	1.51	64	26842	3.697	ug/L # 49
12) 1,1-Dichloroethene	2.12	96	661	0.087	ug/L # 1
17) Methyl tert-butyl Ether	2.79	73	24539	1.249	ug/L 96
22) cis-1,2-Dichloroethene	3.94	96	20517	2.346	ug/L 93
33) Benzene	5.13	78	93733	2.714	ug/L 100
34) Trichloroethene	5.95	95	1167	0.118	ug/L 89
35) Methylcyclohexane	6.10	83	12726	0.853	ug/L # 16
37) 1,2-Dichloropropane	6.10	63	6349	0.724	ug/L # 87
39) cis-1,3-Dichloropropene	7.02	75	1314	0.106	ug/L # 45
42) Toluene	7.41	91	365274	9.978	ug/L 97
43) 1,3,5-Trimethylbenzene	10.56	105	322235	9.588	ug/L # 100
44) 1,2,4-Trimethylbenzene	10.94	105	886801	26.406	ug/L # 100
46) trans-1,3-Dichloropropene	7.65	75	772	0.074	ug/L # 65
47) 1,1,2-Trichloroethane	7.73	97	3042	0.519	ug/L # 16
50) 2-Hexanone	8.12	43	16288	4.211	ug/L # 67
54) Ethylbenzene	9.03	91	1208614	29.034	ug/L 99

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Response via : Initial Calibration

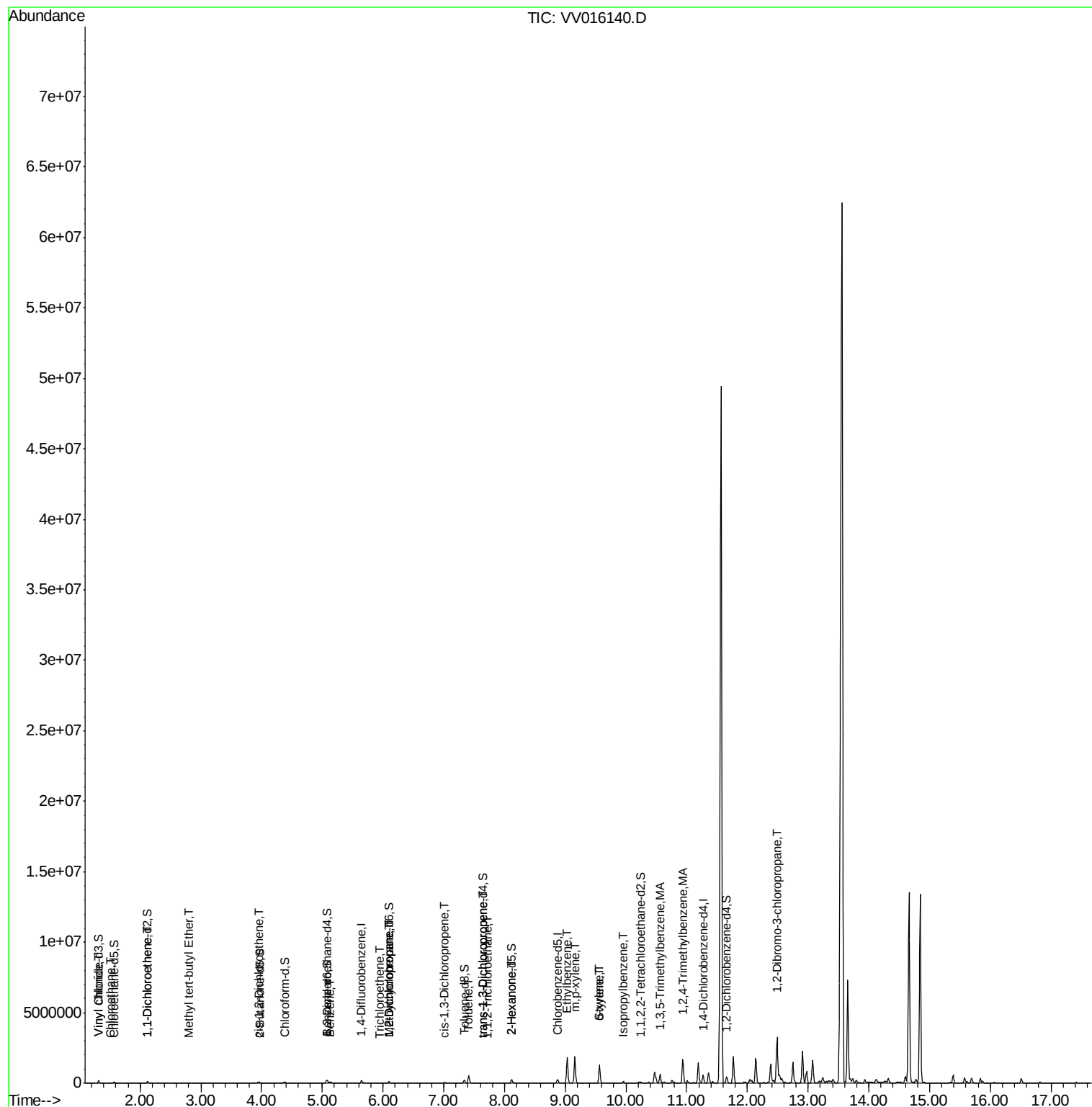
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) m,p-xylene	9.16	106	484243	31.417	ug/L	98
56) o-xylene	9.57	106	312932	21.236	ug/L	96
57) Styrene	9.57	104	16995	0.689	ug/L #	1
58) Isopropylbenzene	9.95	105	79232	1.957	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.49	75	73880	58.621	ug/L #	6

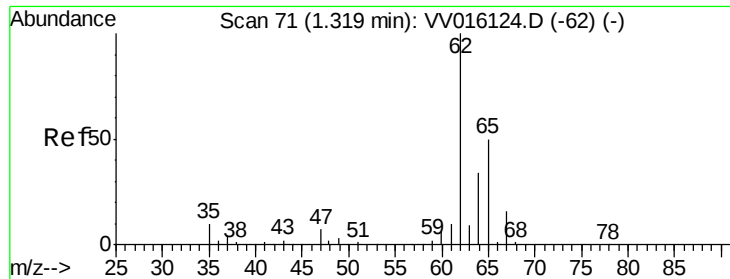
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 8.138 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV016140.D

Acq: 20 May 2020 18:34

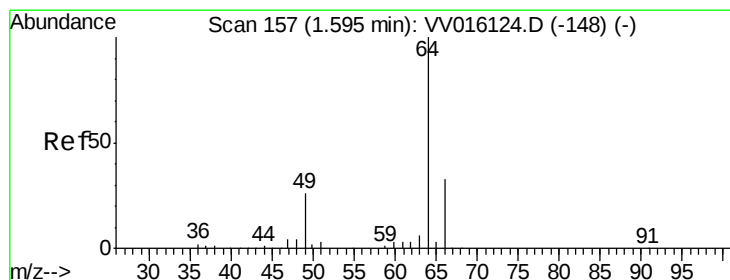
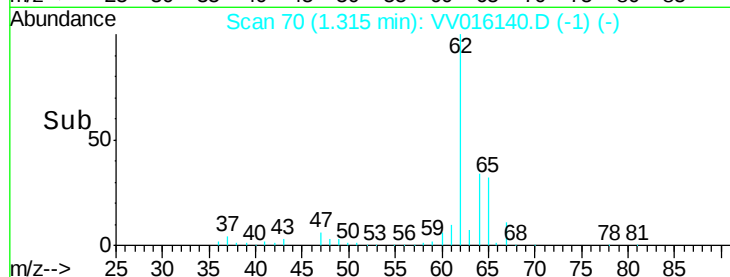
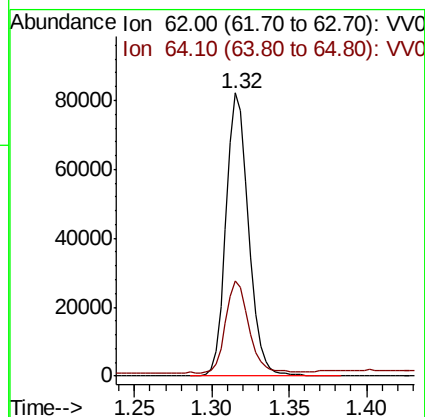
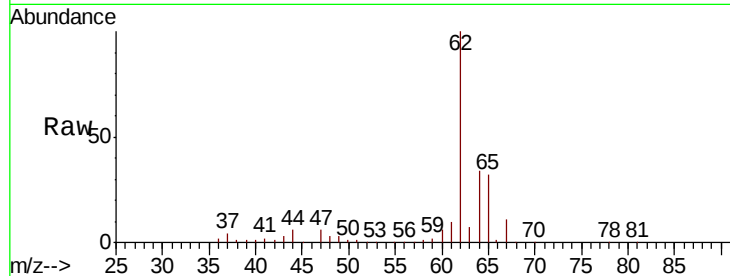
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 82915

Ion Ratio Lower Upper

62 100

64 33.6 22.4 41.6



#8

Chloroethane

Concen: 3.697 ug/L

RT: 1.51 min Scan# 129

Delta R.T. -0.09 min

Lab File: VV016140.D

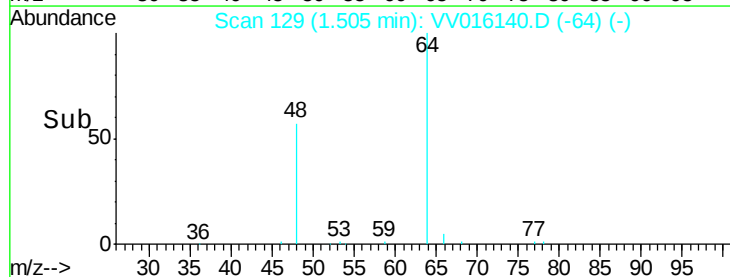
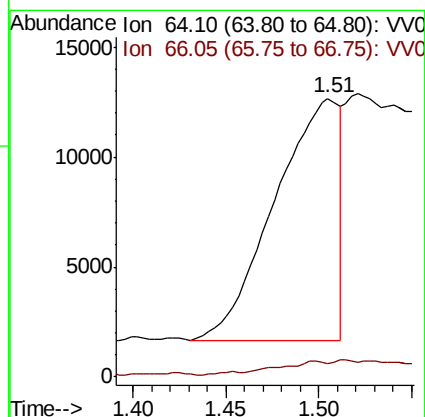
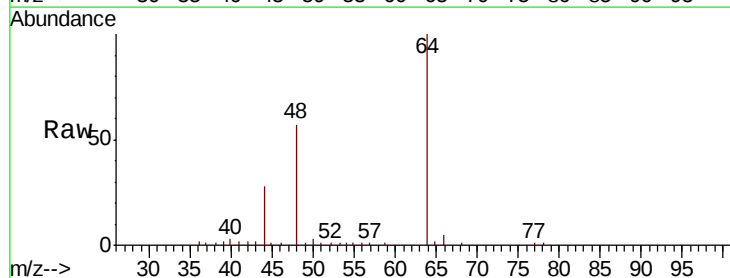
Acq: 20 May 2020 18:34

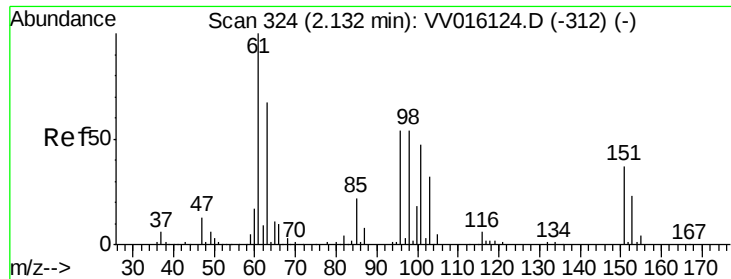
Tgt Ion: 64 Resp: 26842

Ion Ratio Lower Upper

64 100

66 4.9 23.6 43.8#

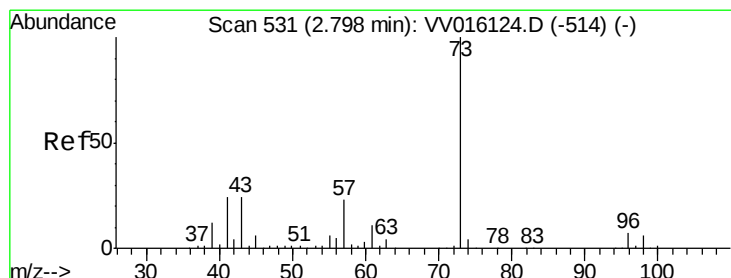
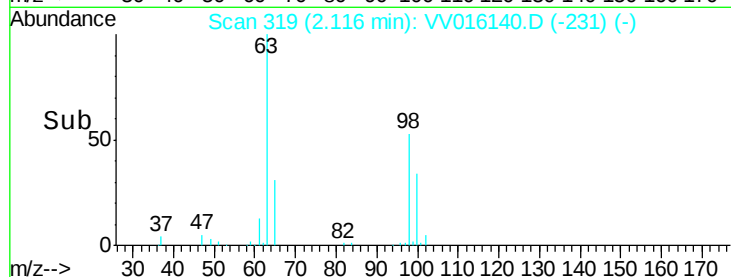
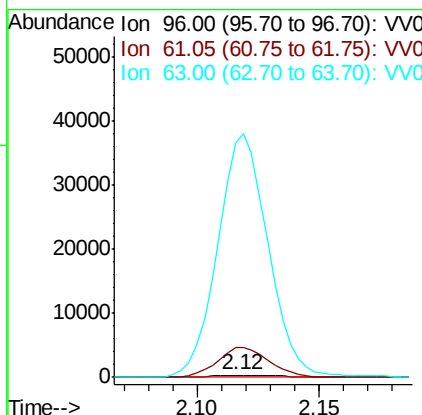
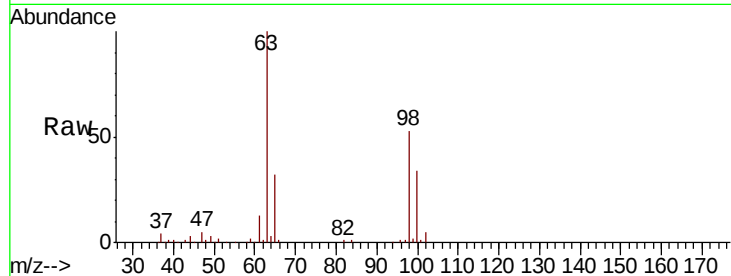




#12
 1,1-Dichloroethene
 Concen: 0.087 ug/L
 RT: 2.12 min Scan# 319
 Delta R.T. -0.02 min
 Lab File: VV016140.D
 Acq: 20 May 2020 18:34

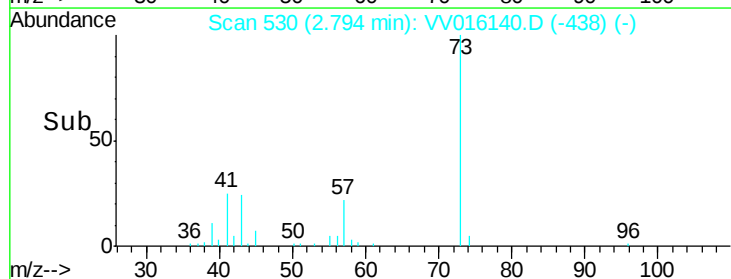
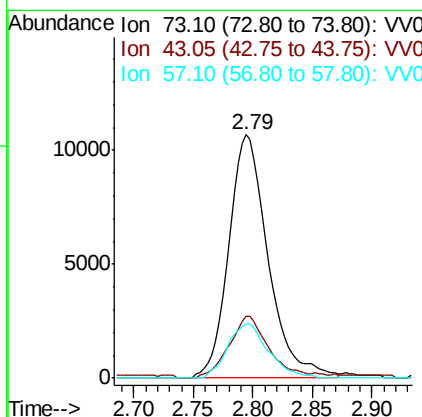
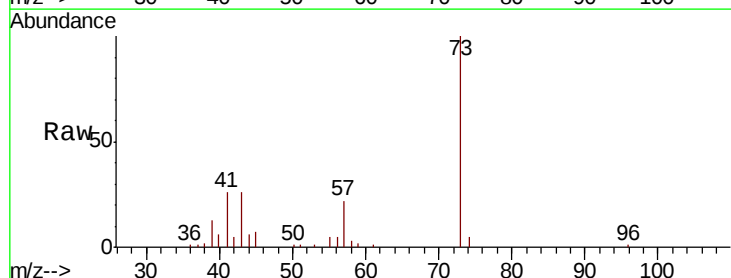
Instrument :
 MSVOA_V
 ClientSampleId :

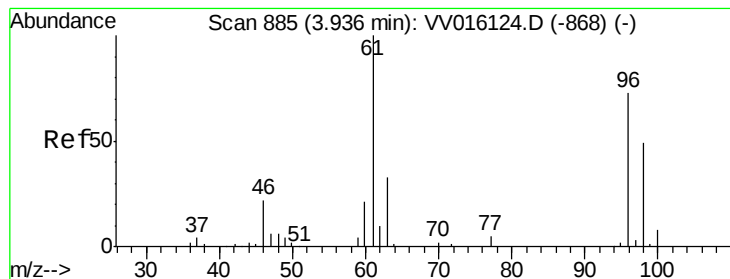
Tot Ion: 96 Resp: 661
 Ion Ratio Lower Upper
 96 100
 61 1398.2 139.9 259.7#
 63 11033.2 106.4 197.6#



#17
 Methyl tert-butyl Ether
 Concen: 1.249 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VV016140.D
 Acq: 20 May 2020 18:34

Tgt Ion: 73 Resp: 24539
 Ion Ratio Lower Upper
 73 100
 43 26.2 18.8 28.2
 57 23.3 17.8 26.6



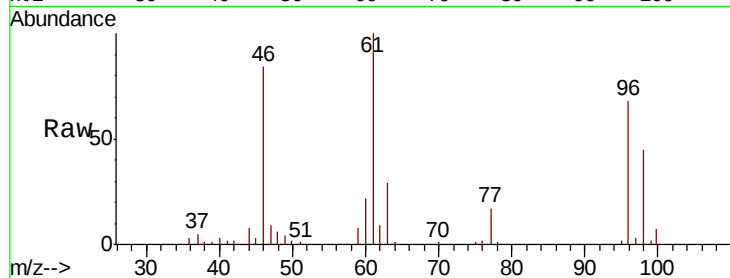


#22

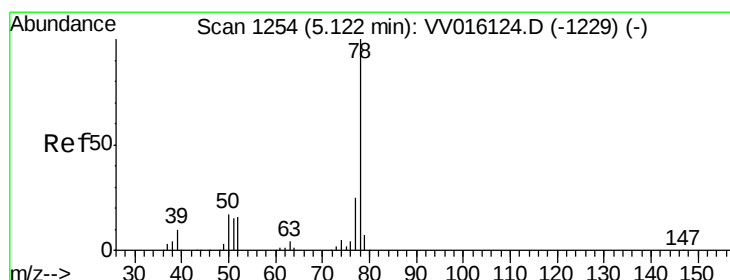
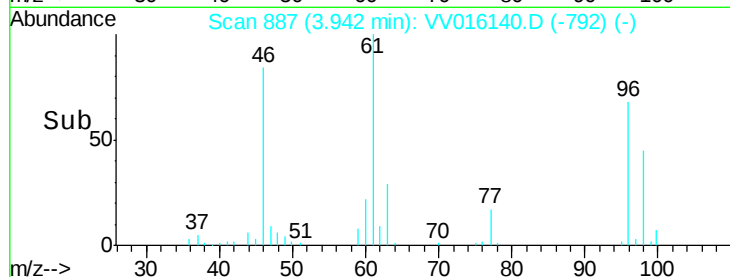
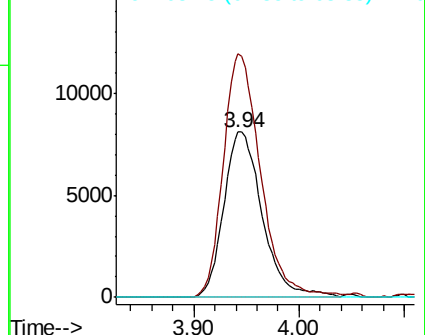
cis-1,2-Dichloroethene
 Concen: 2.346 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV016140.D
 Acq: 20 May 2020 18:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 20517
 Ion Ratio Lower Upper
 96 100
 61 147.2 97.2 180.6
 68 0.0 0.0 0.0



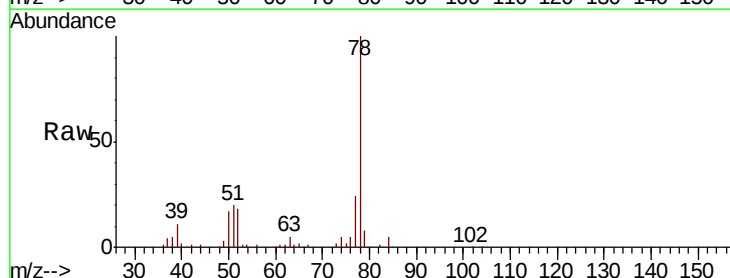
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



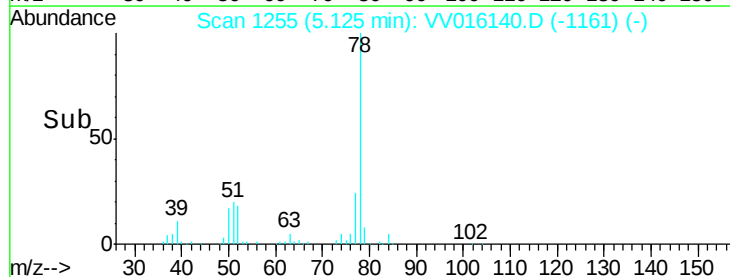
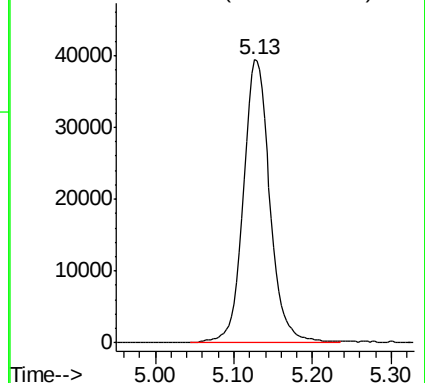
#33

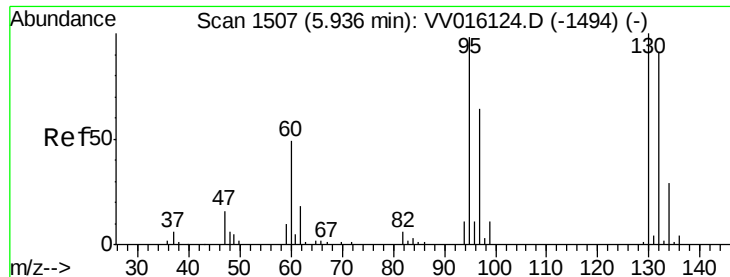
Benzene
 Concen: 2.714 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VV016140.D
 Acq: 20 May 2020 18:34

Tgt Ion: 78 Resp: 93733



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.118 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV016140.D

Acq: 20 May 2020 18:34

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 1167

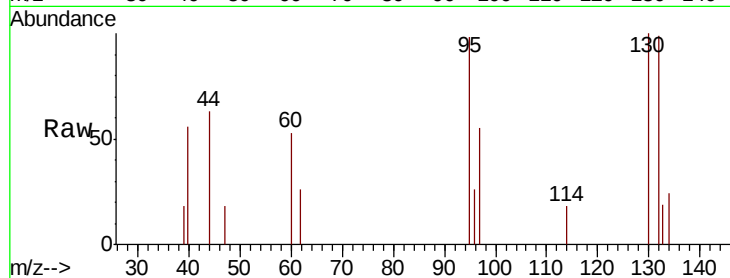
Ion Ratio Lower Upper

95 100

97 56.4 43.3 80.5

132 101.3 60.3 112.1

130 102.1 66.0 122.6

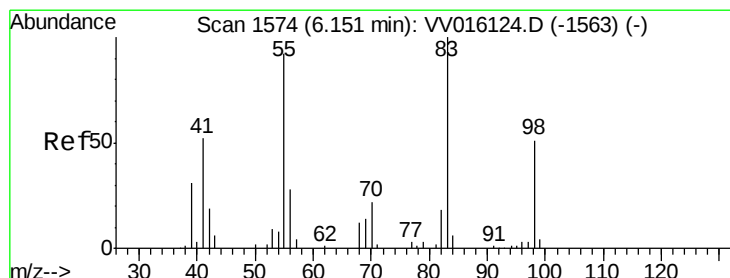
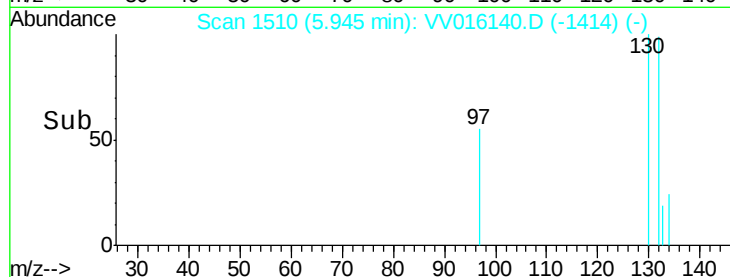
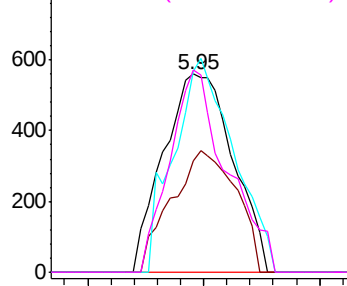


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.853 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV016140.D

Acq: 20 May 2020 18:34

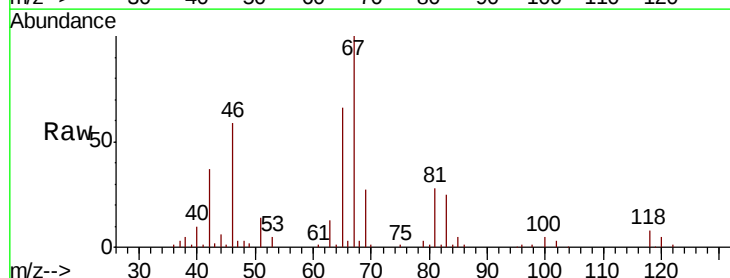
Tgt Ion: 83 Resp: 12726

Ion Ratio Lower Upper

83 100

55 0.2 66.2 99.2#

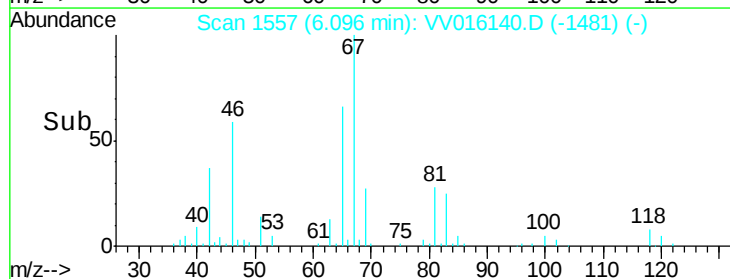
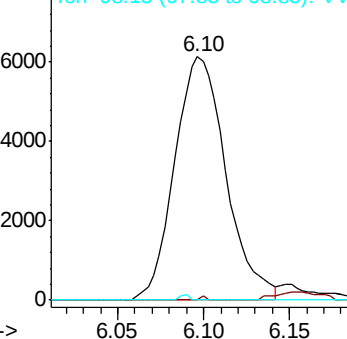
98 0.4 37.9 56.9#

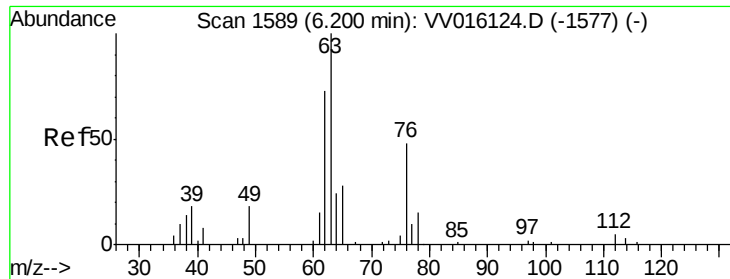


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

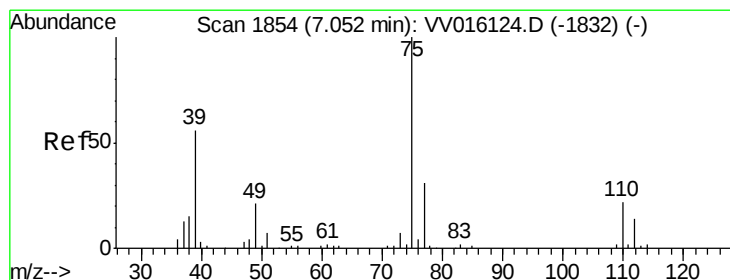
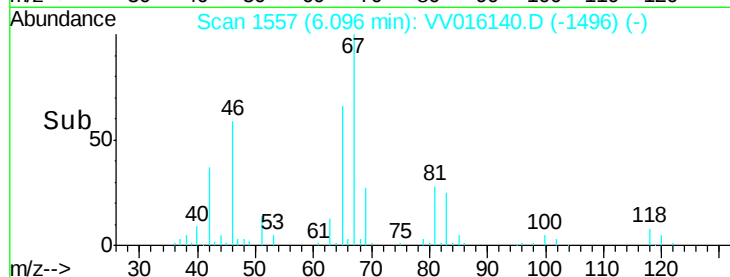
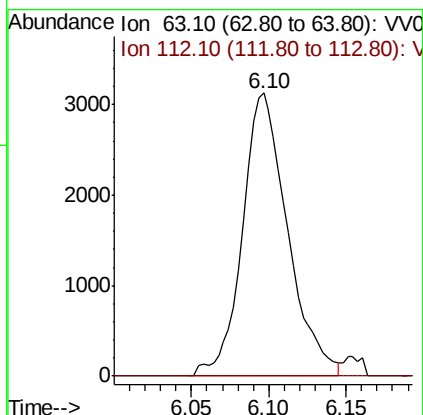
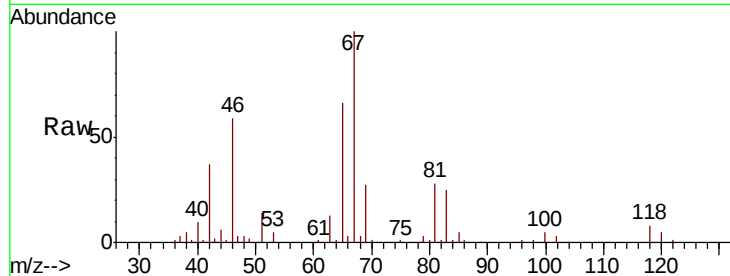




#37
 1,2-Dichloropropane
 Concen: 0.724 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016140.D
 Acq: 20 May 2020 18:34

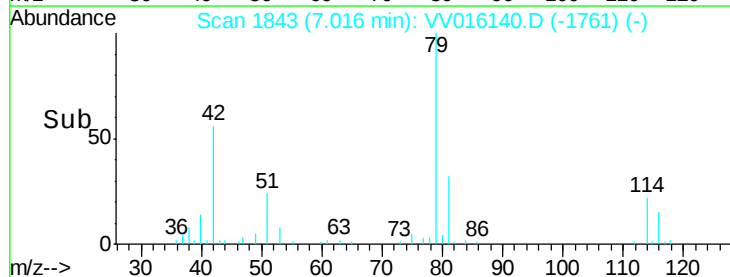
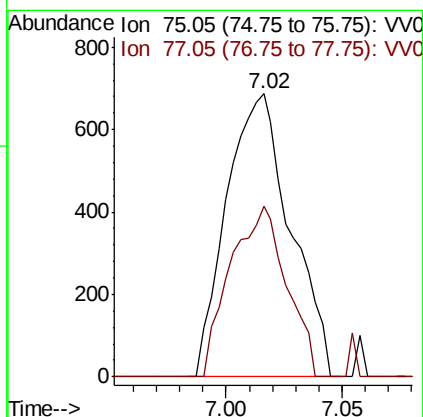
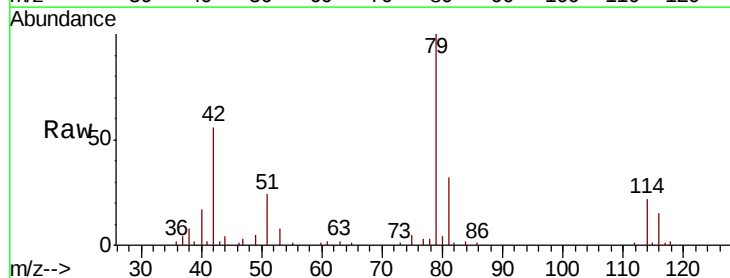
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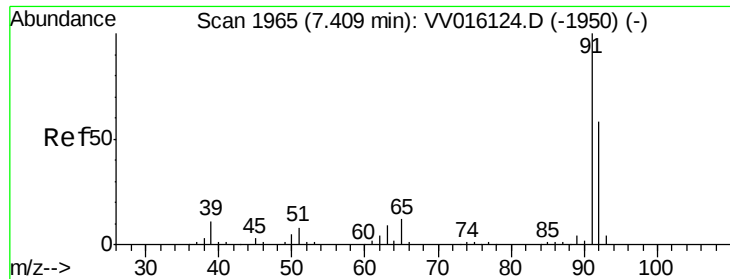
Tot Ion: 63 Resp: 6349
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.106 ug/L
 RT: 7.02 min Scan# 1843
 Delta R.T. -0.04 min
 Lab File: VV016140.D
 Acq: 20 May 2020 18:34

Tgt Ion: 75 Resp: 1314
 Ion Ratio Lower Upper
 75 100
 77 60.3 21.3 39.5#





#42

Toluene

Concen: 9.978 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016140.D

Acq: 20 May 2020 18:34

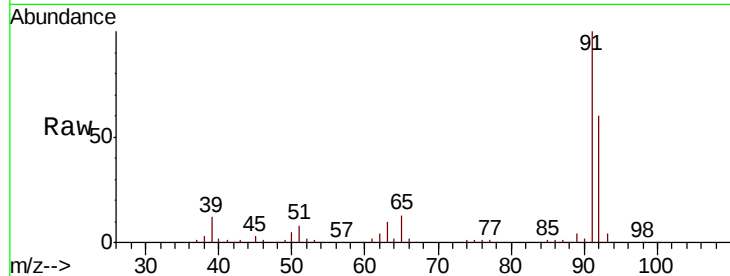
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 365274

Ion Ratio Lower Upper

91 100

92 59.6 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV016140.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV016140.D (-1950) (-)

7.41

200000

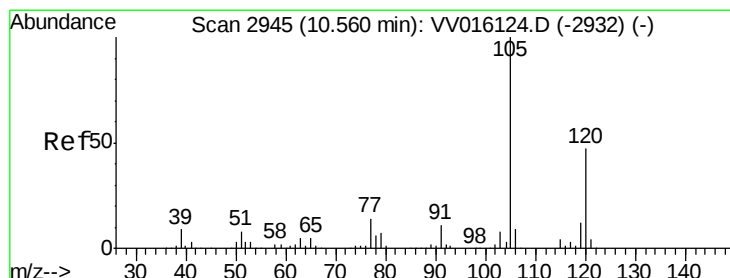
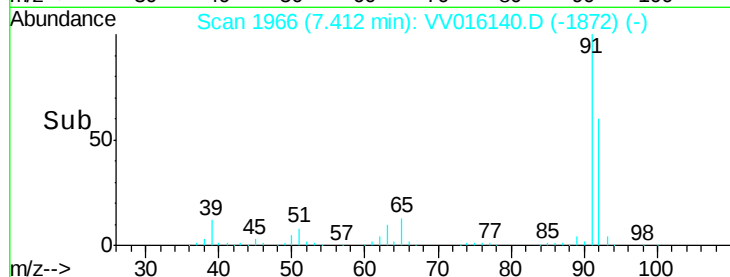
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 9.588 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV016140.D

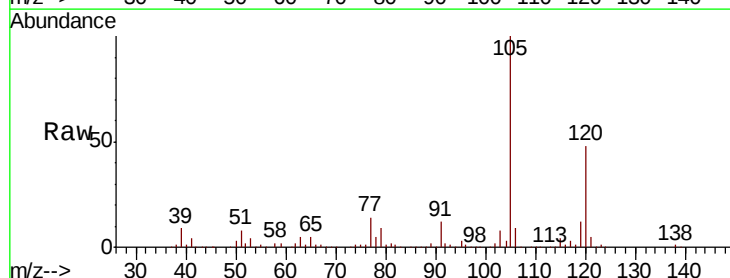
Acq: 20 May 2020 18:34

Tgt Ion:105 Resp: 322235

Ion Ratio Lower Upper

105 100

120 47.6 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV016140.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV016140.D (-2323) (-)

10.56

200000

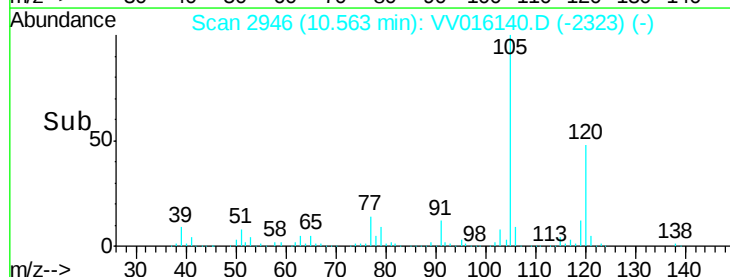
150000

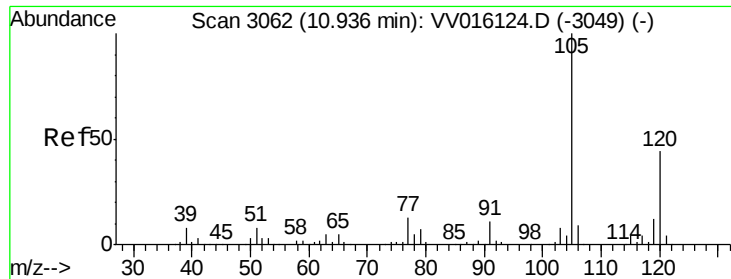
100000

50000

0

Time-->

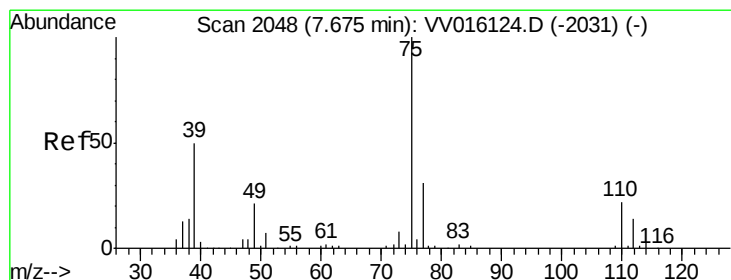
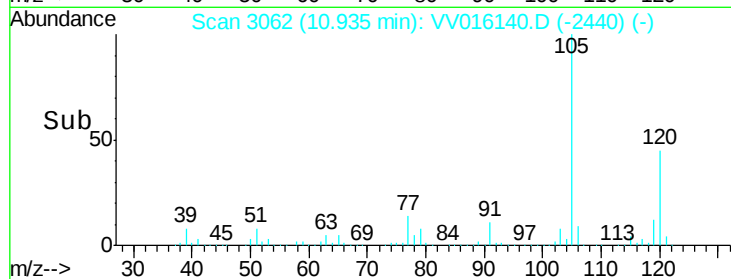
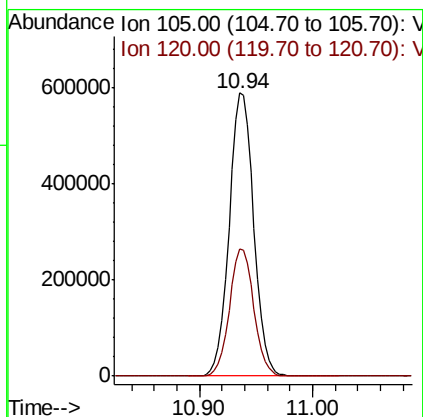
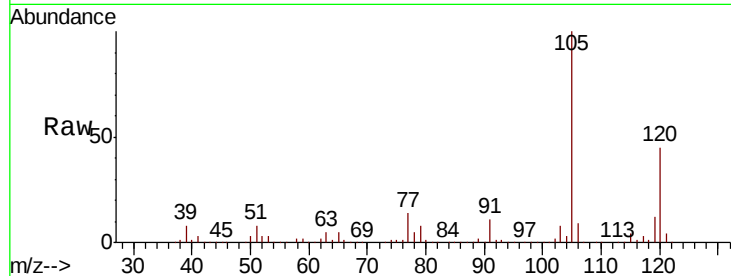




#44
 1,2,4-Trimethylbenzene
 Concen: 26.406 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV016140.D
 Acq: 20 May 2020 18:34

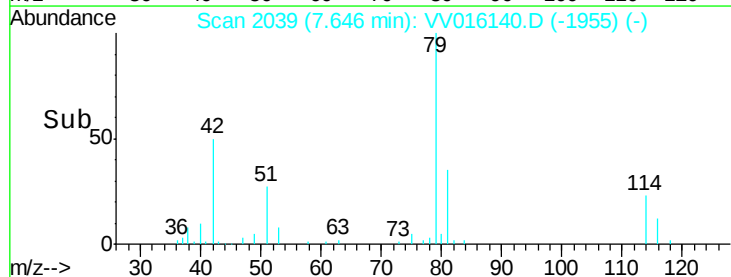
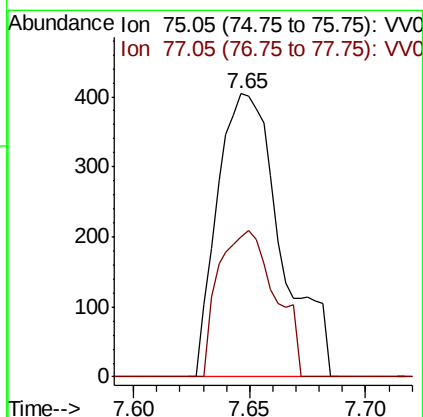
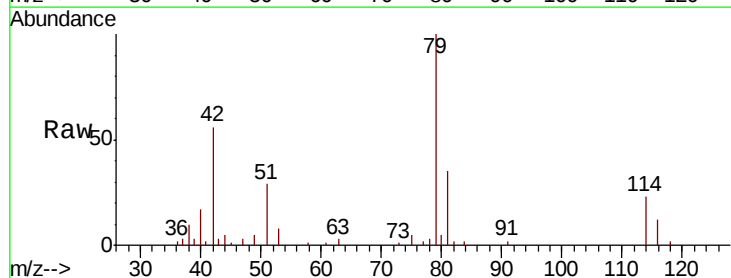
Instrument :
 MSVOA_V
 ClientSampleId :

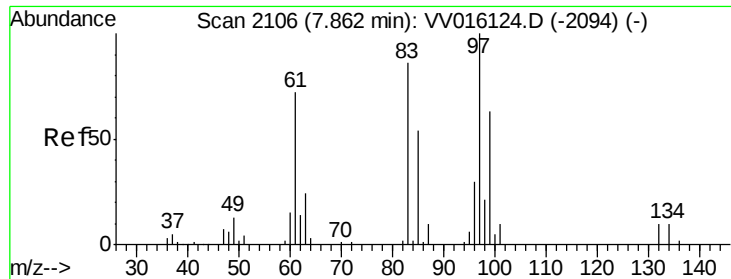
Tot Ion:105 Resp: 886801
 Ion Ratio Lower Upper
 105 100
 120 44.7 0.0 0.0#



#46
 trans-1,3-Dichloropropene
 Concen: 0.074 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV016140.D
 Acq: 20 May 2020 18:34

Tgt Ion: 75 Resp: 772
 Ion Ratio Lower Upper
 75 100
 77 49.5 21.3 39.6#

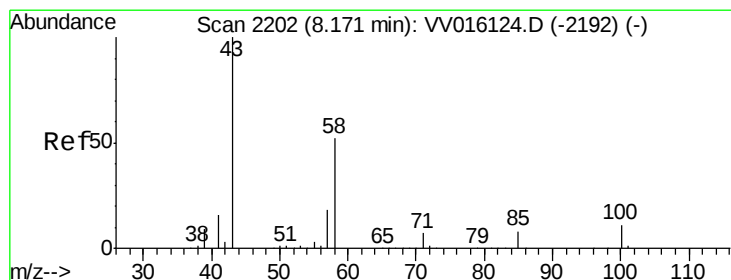
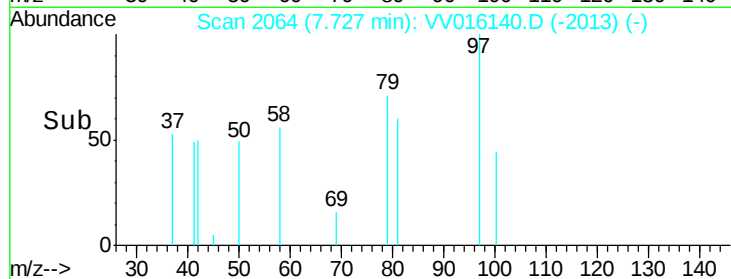
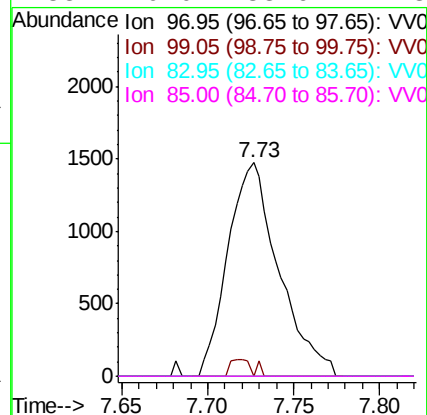
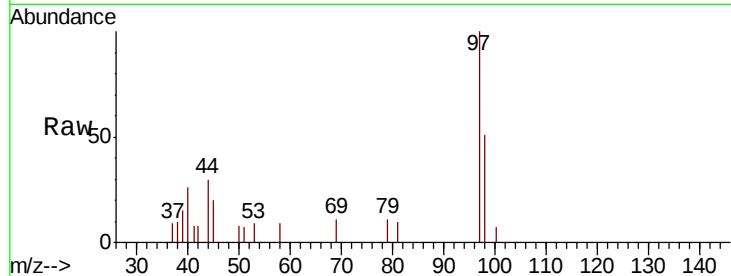




#47
 1,1,2-Trichloroethane
 Concen: 0.519 ug/L
 RT: 7.73 min Scan# 2064
 Delta R.T. -0.14 min
 Lab File: VV016140.D
 Acq: 20 May 2020 18:34

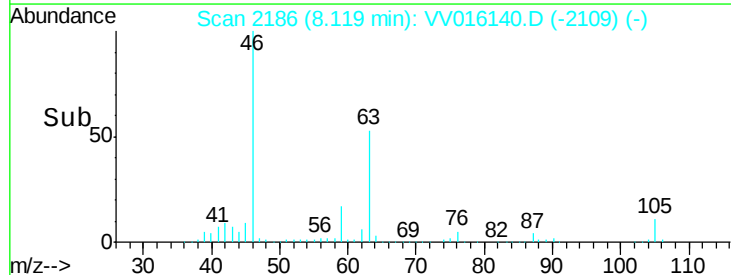
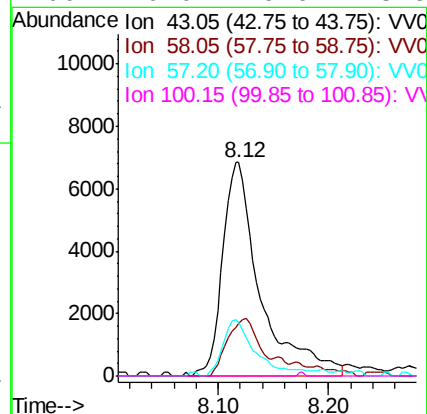
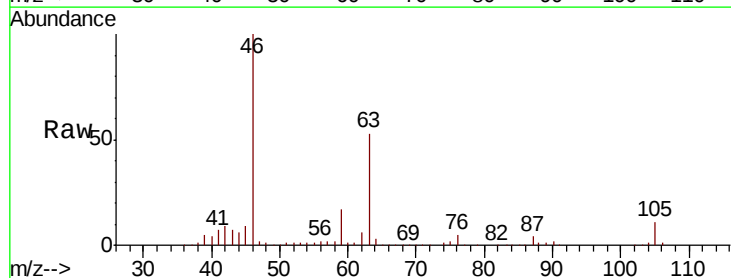
Instrument :
 MSVOA_V
 ClientSampleId :

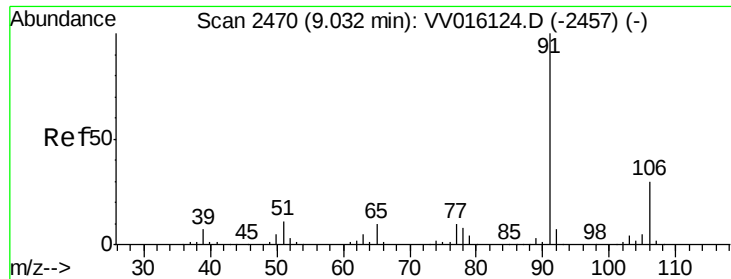
Tot Ion: 97 Resp: 3042
 Ion Ratio Lower Upper
 97 100
 99 0.0 42.1 78.1#
 83 0.0 59.2 110.0#
 85 0.0 38.6 71.8#



#50
 2-Hexanone
 Concen: 4.211 ug/L
 RT: 8.12 min Scan# 2186
 Delta R.T. -0.05 min
 Lab File: VV016140.D
 Acq: 20 May 2020 18:34

Tgt Ion: 43 Resp: 16288
 Ion Ratio Lower Upper
 43 100
 58 22.3 40.8 61.2#
 57 23.2 14.7 22.1#
 100 0.0 9.0 13.6#





#54

Ethylbenzene

Concen: 29.034 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016140.D

Acq: 20 May 2020 18:34

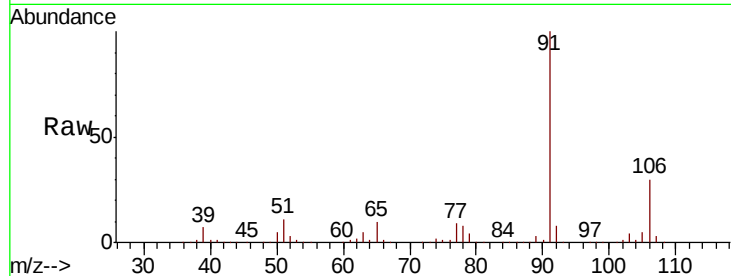
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1208614

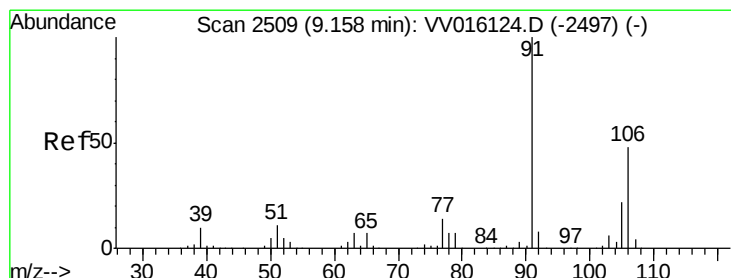
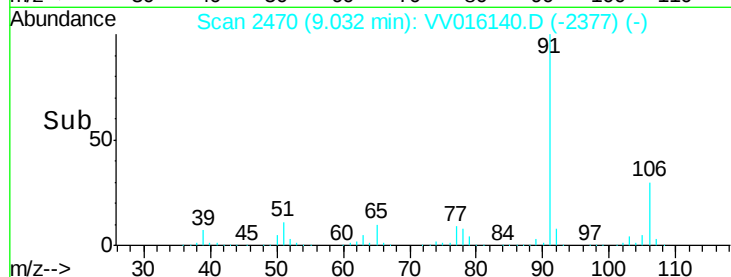
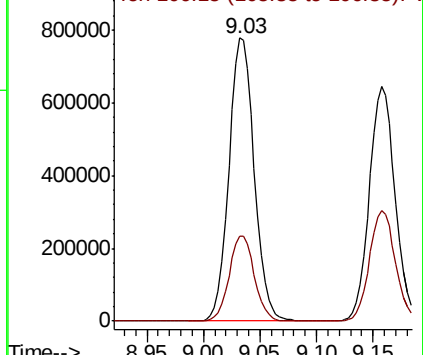
Ion Ratio Lower Upper

91 100

106 30.1 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV016140.D (-2377) (-)



#55

m,p-xylene

Concen: 31.417 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016140.D

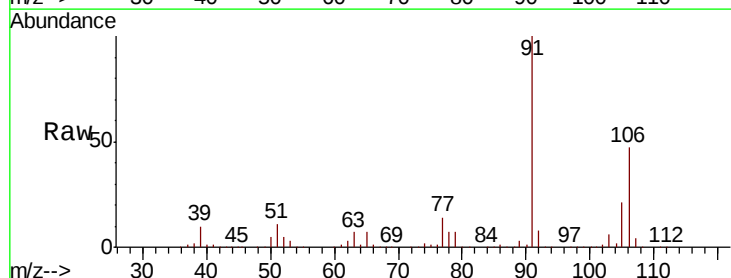
Acq: 20 May 2020 18:34

Tgt Ion: 106 Resp: 484243

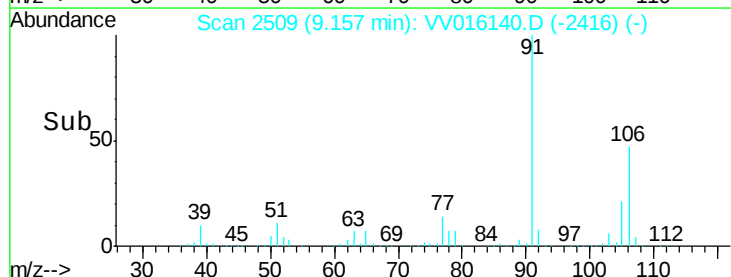
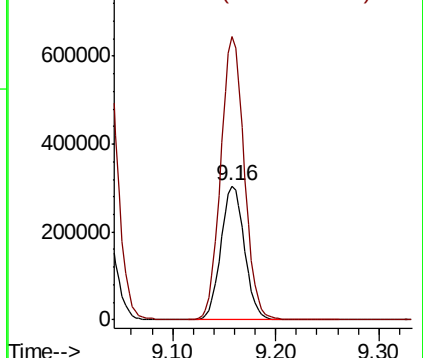
Ion Ratio Lower Upper

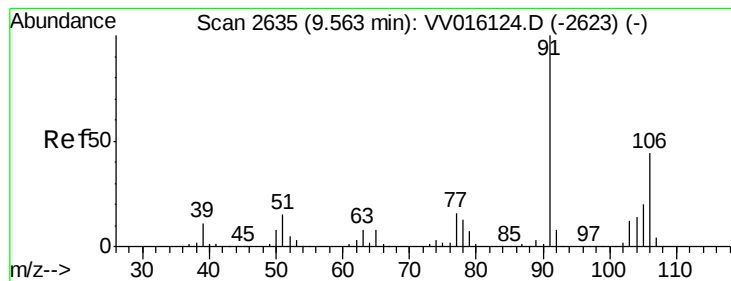
106 100

91 211.2 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV016140.D (-2416) (-)





#56

o-xylene

Concen: 21.236 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016140.D

Acq: 20 May 2020 18:34

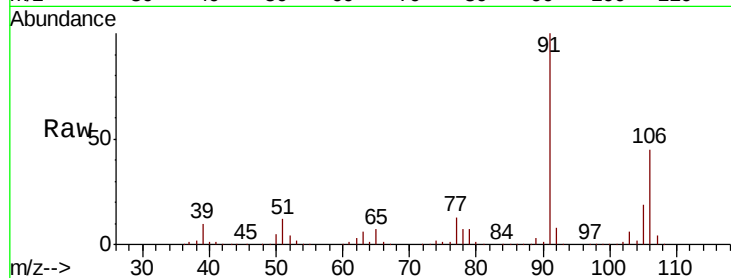
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 312932

Ion Ratio Lower Upper

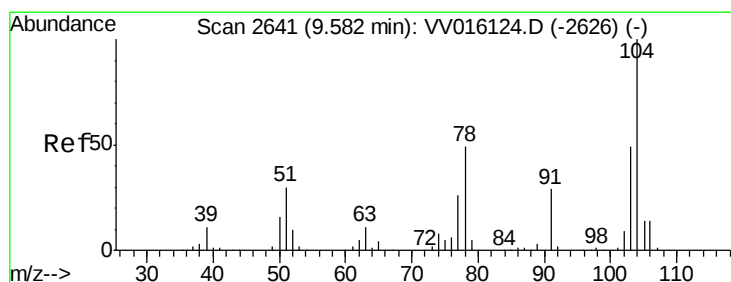
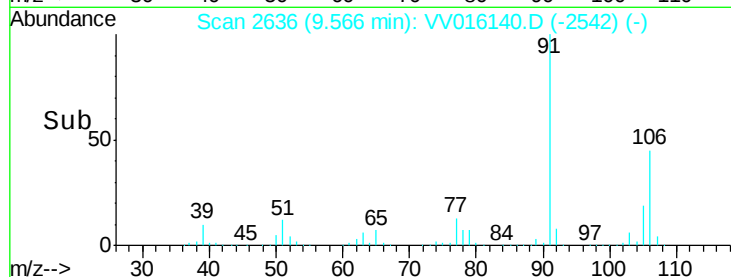
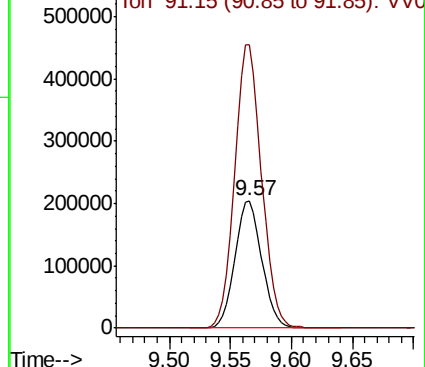
106 100

91 222.2 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#57

Styrene

Concen: 0.689 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.02 min

Lab File: VV016140.D

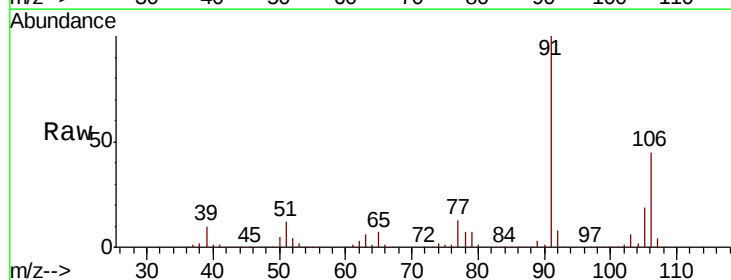
Acq: 20 May 2020 18:34

Tgt Ion:104 Resp: 16995

Ion Ratio Lower Upper

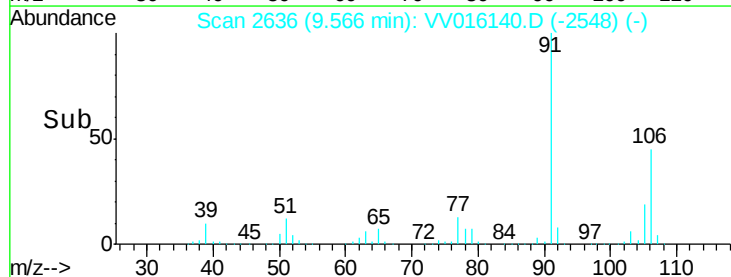
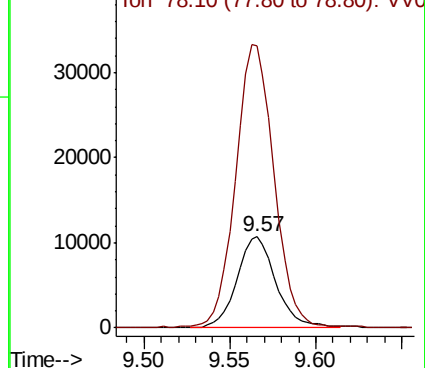
104 100

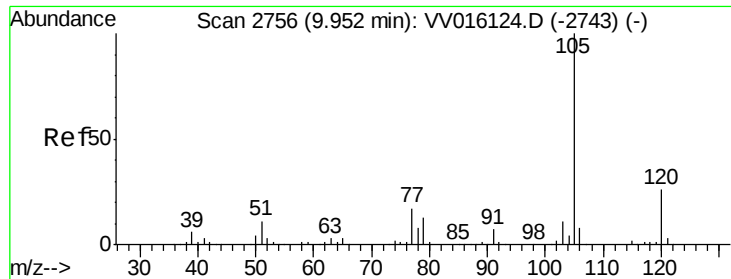
78 308.8 33.9 63.0#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 1.957 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016140.D

Acq: 20 May 2020 18:34

Instrument :

MSVOA_V

ClientSampleId :

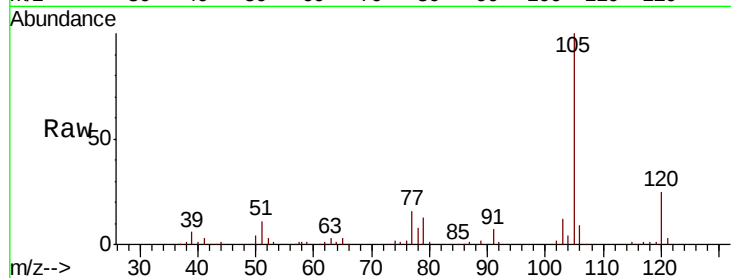
Tot Ion:105 Resp: 79232

Ion Ratio Lower Upper

105 100

120 25.3 20.8 31.2

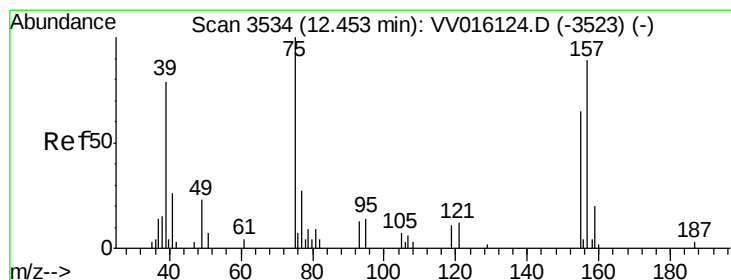
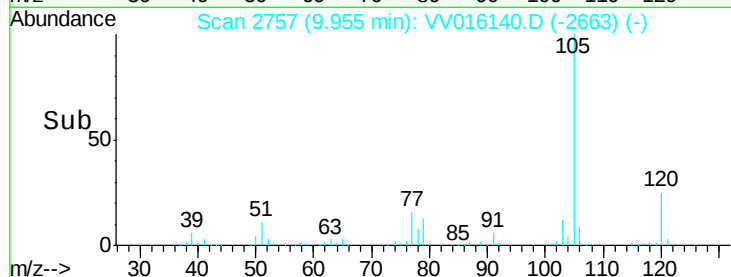
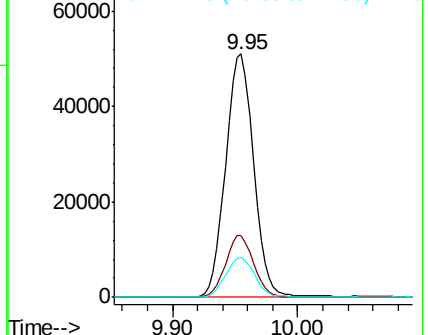
77 17.1 14.1 21.1



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: 58.621 ug/L

RT: 12.49 min Scan# 3545

Delta R.T. 0.04 min

Lab File: VV016140.D

Acq: 20 May 2020 18:34

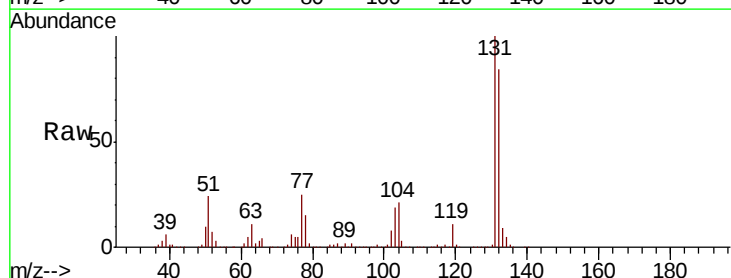
Tgt Ion: 75 Resp: 73880

Ion Ratio Lower Upper

75 100

155 0.0 58.2 87.4#

157 0.0 79.4 119.2#



Abundance Ion 75.05 (74.75 to 75.75): V

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

