

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050420\
 Data File : VV015884.D
 Acq On : 04 May 2020 14:57
 Operator : SY/MD
 Sample : L2432-03DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 05 01:31:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 01:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	119875	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	114546	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	59015	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	29734	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.58	69	29796	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.12	63	46995	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	3.94	46	99789	49.61	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.22%
24) Chloroform-d	4.38	84	68266	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.06	65	40150	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.08	84	131845	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.09	67	42953	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.34	98	117081	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	7.65	79	14336	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.11	63	75628	45.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.82%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	31048	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	47290	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.12	96	547	0.078 ug/L #	1
16) Methylene chloride	2.52	84	7963	0.924 ug/L	92
25) Chloroform	4.40	83	3748	0.230 ug/L	99
33) Benzene	5.13	78	2840	0.087 ug/L	100
35) Methylcyclohexane	6.10	83	10868	0.783 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	5512	0.663 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1347	0.116 ug/L	87
42) Toluene	7.41	91	33618	0.961 ug/L	98
44) trans-1,3-Dichloropropene	7.65	75	773	0.079 ug/L	89
48) 2-Hexanone	8.16	43	2225	0.578 ug/L #	80
52) Ethylbenzene	9.04	91	157171	3.884 ug/L	99
53) m,p-xylene	9.16	106	92140	6.216 ug/L	99
54) o-xylene	9.57	106	52325	3.648 ug/L	94
55) Styrene	9.57	104	4750	0.195 ug/L #	1
56) Isopropylbenzene	9.95	105	8571	0.213 ug/L #	93
66) 1,2-Dibromo-3-chloropropan	12.49	75	6819	6.196 ug/L #	11
69) Naphthalene	13.52	128	338038	14.868 ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 05 01:28:45 2020
Response via : Initial Calibration

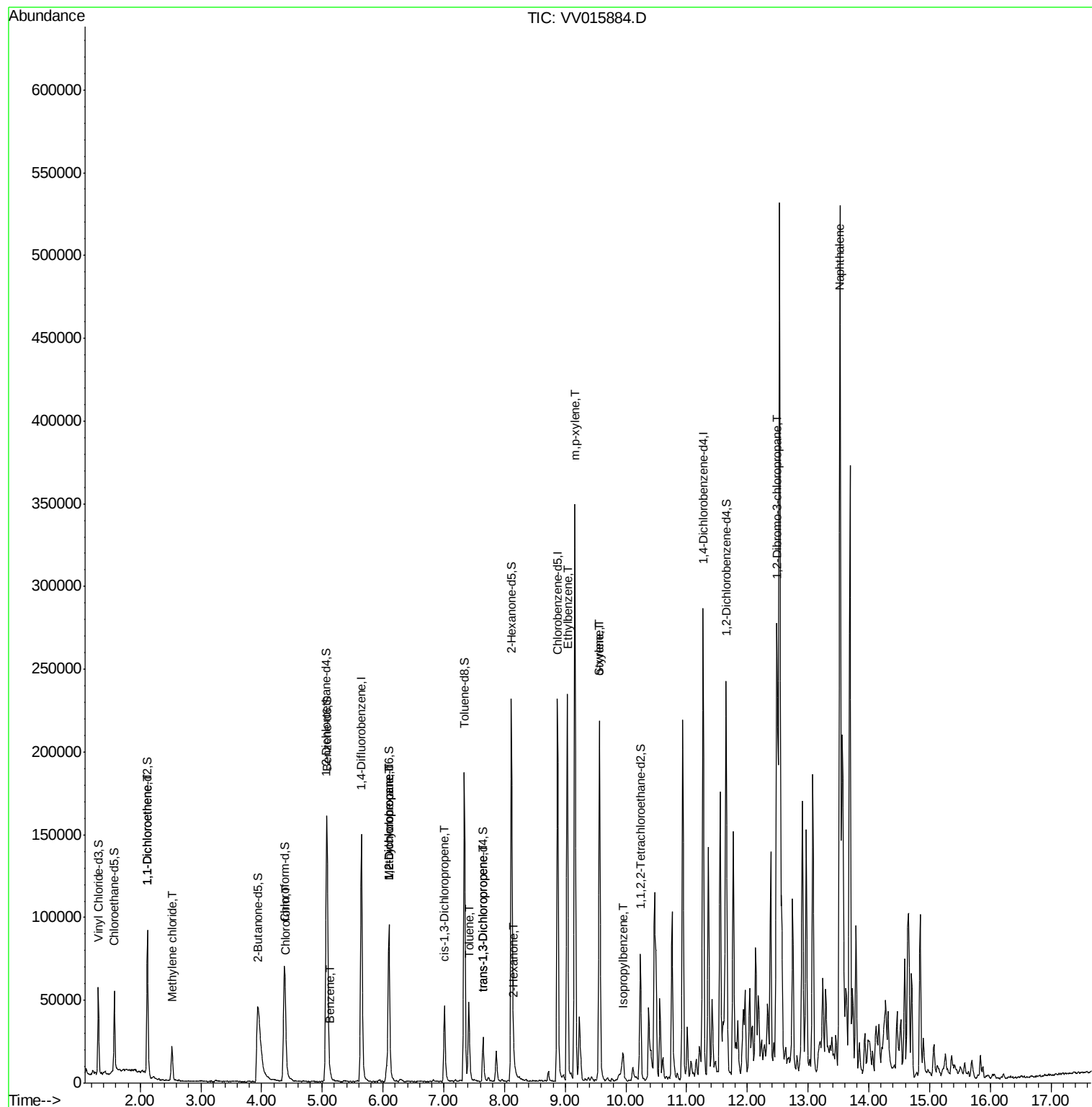
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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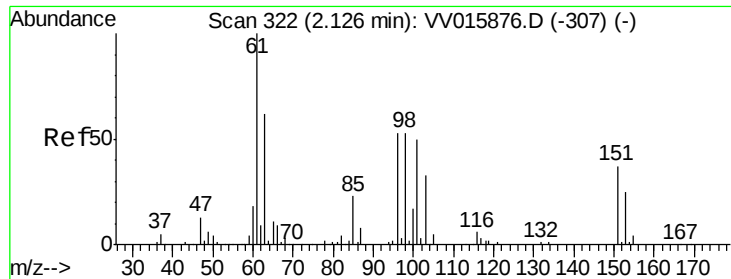
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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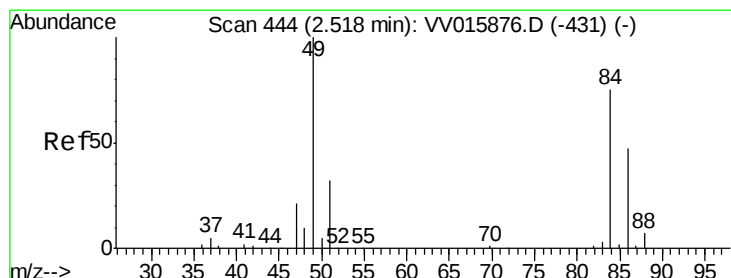
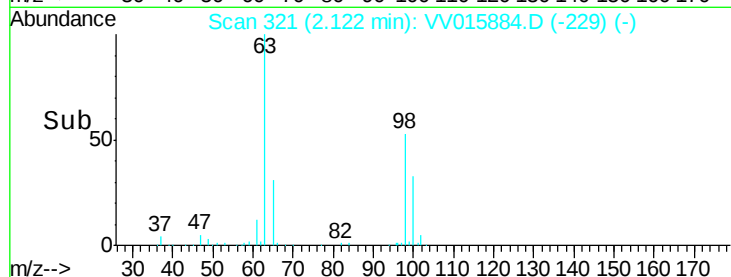
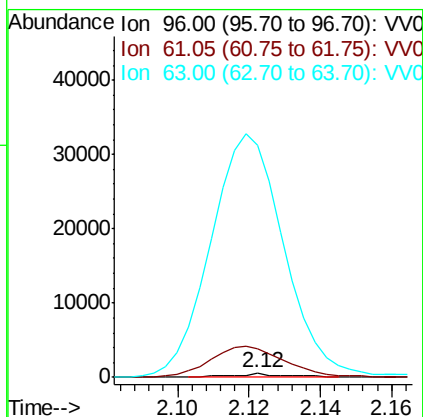
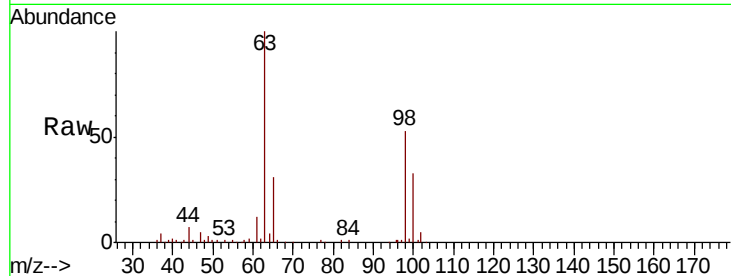




#12
1,1-Dichloroethene
Concen: 0.078 ug/L
RT: 2.12 min Scan# 321
Delta R.T. -0.00 min
Lab File: VV015884.D
Acq: 04 May 2020 14:57

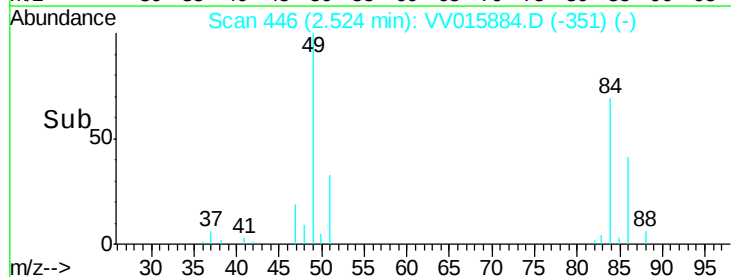
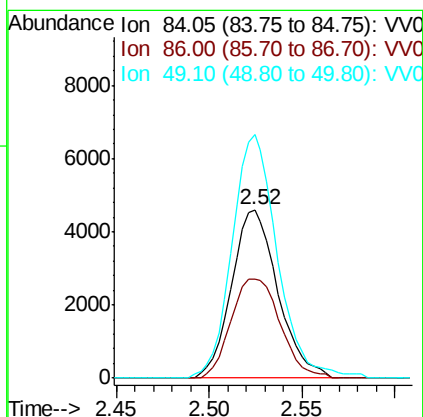
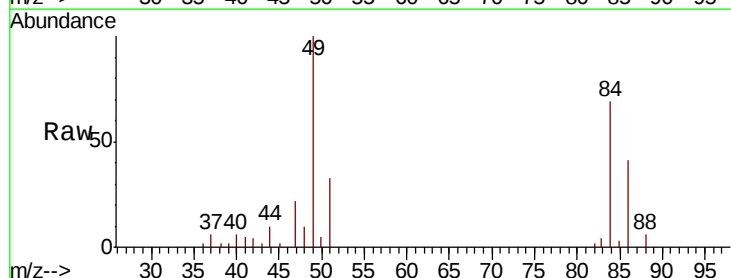
Instrument :
MSVOA_V
ClientSampleId :

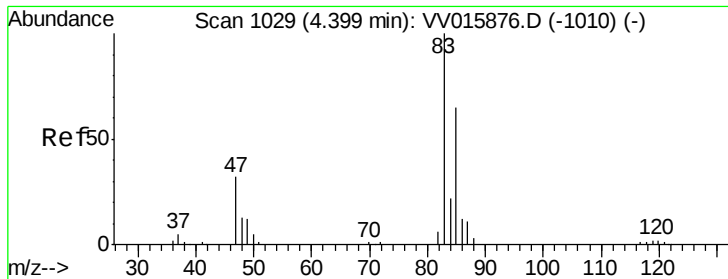
Tot Ion: 96 Resp: 547
Ion Ratio Lower Upper
96 100
61 664.4 130.1 241.7#
63 5402.4 91.4 169.8#



#16
Methylene chloride
Concen: 0.924 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.01 min
Lab File: VV015884.D
Acq: 04 May 2020 14:57

Tgt Ion: 84 Resp: 7963
Ion Ratio Lower Upper
84 100
86 59.1 45.1 83.7
49 144.8 94.4 175.4

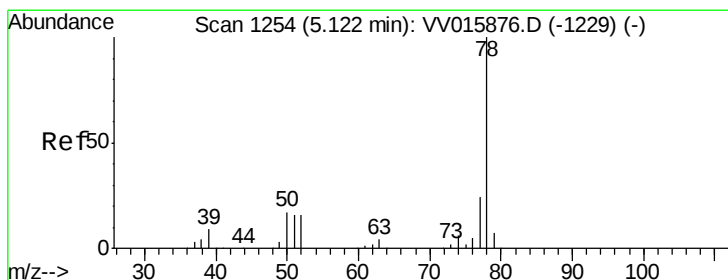
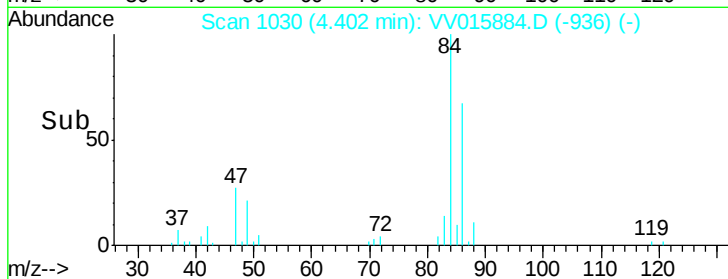
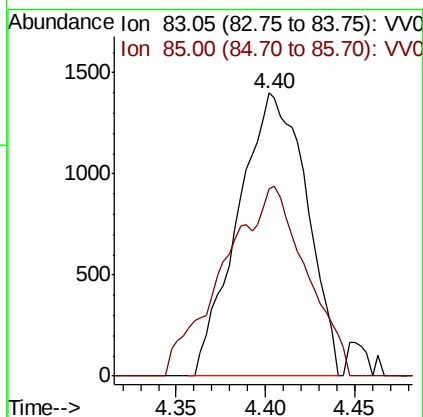
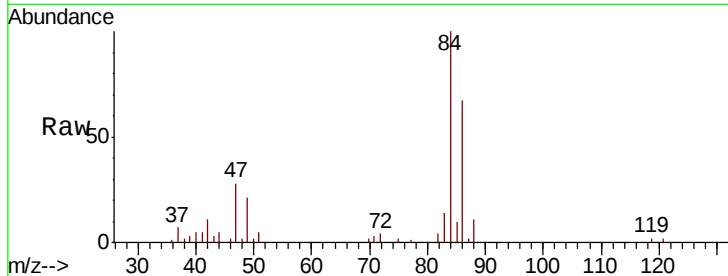




#25
Chloroform
Concen: 0.230 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015884.D
Acq: 04 May 2020 14:57

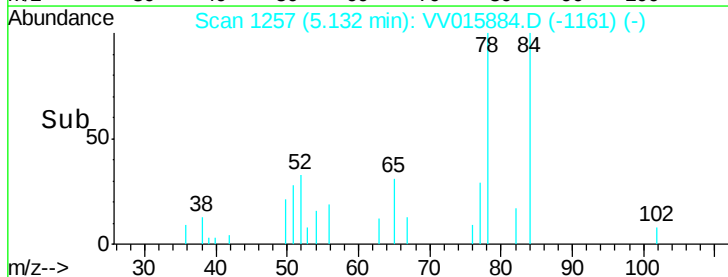
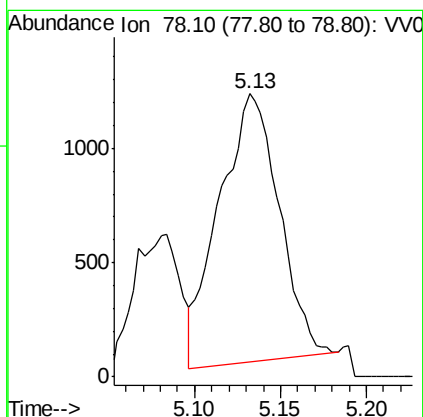
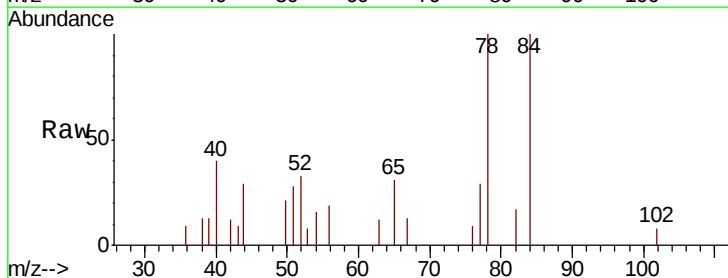
Instrument :
MSVOA_V
ClientSampled :

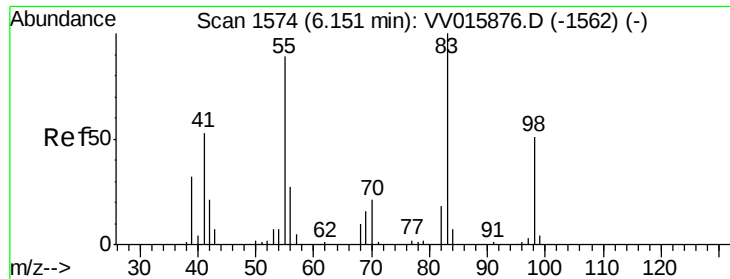
Tot Ion: 83 Resp: 3748
Ion Ratio Lower Upper
83 100
85 66.3 46.1 85.5



#33
Benzene
Concen: 0.087 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VV015884.D
Acq: 04 May 2020 14:57

Tgt Ion: 78 Resp: 2840

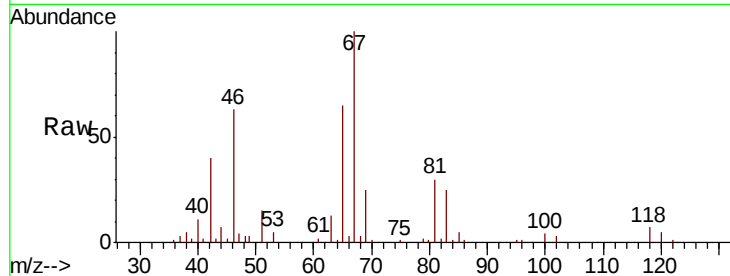




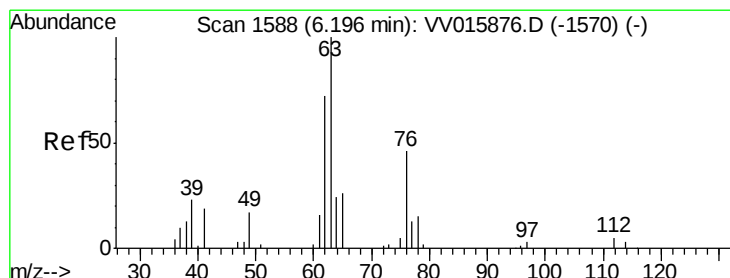
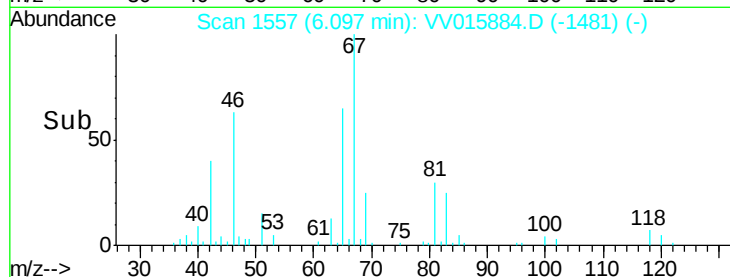
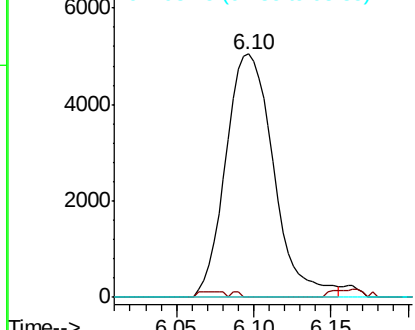
#35
Methvlcvclohexane
Concen: 0.783 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015884.D
Acq: 04 May 2020 14:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	83.15	Resp	10868
Ion Ratio	Lower	Upper	
83	100		
55	0.4	66.6	99.8#
98	0.0	39.5	59.3#

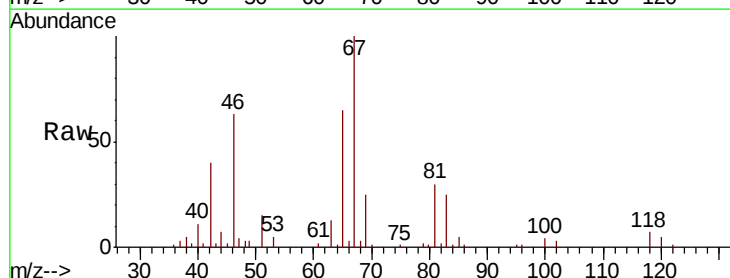


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

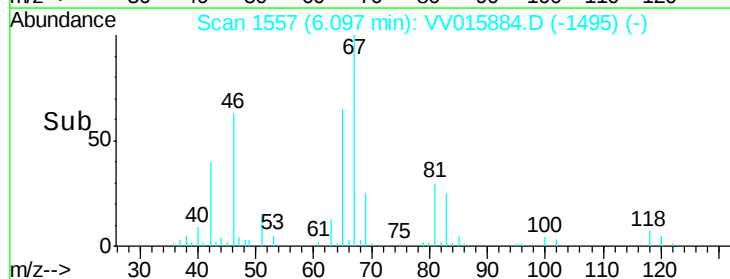
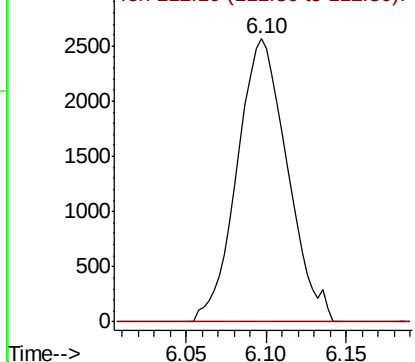


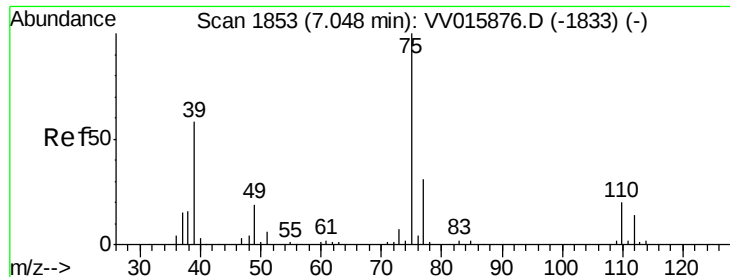
#37
1,2-Dichloropropane
Concen: 0.663 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015884.D
Acq: 04 May 2020 14:57

Tgt Ion	63	Resp	5512
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.6	5.4#



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

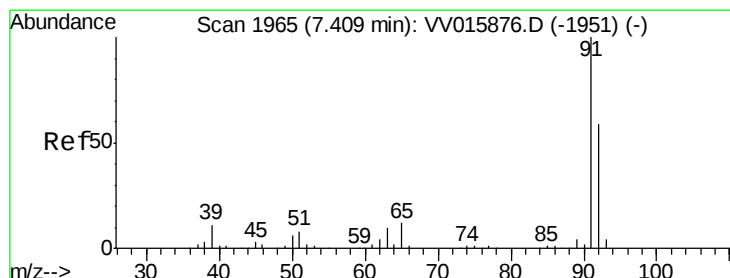
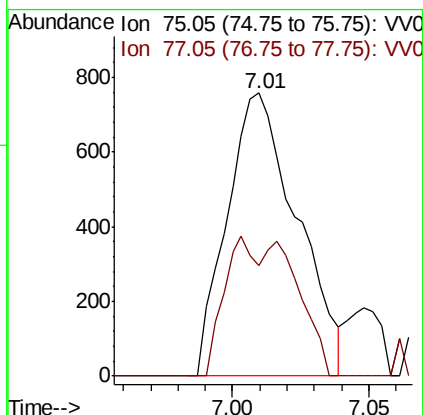
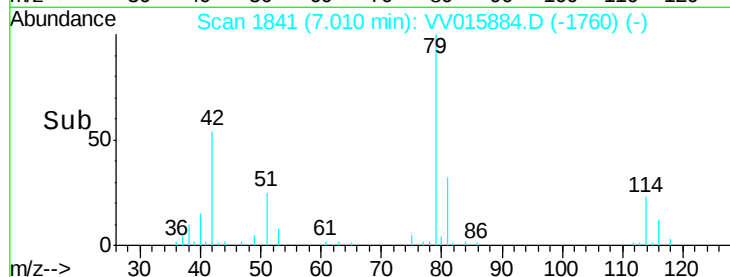
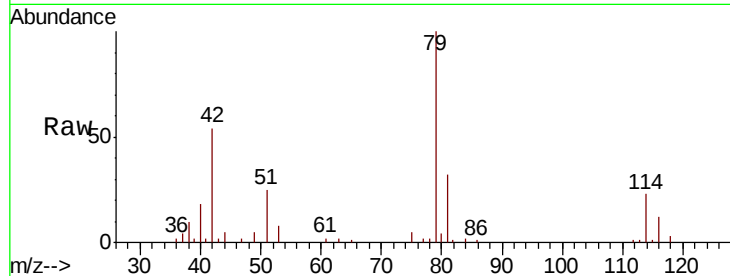




#39
 cis-1,3-Dichloropropene
 Concen: 0.116 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015884.D
 Acq: 04 May 2020 14:57

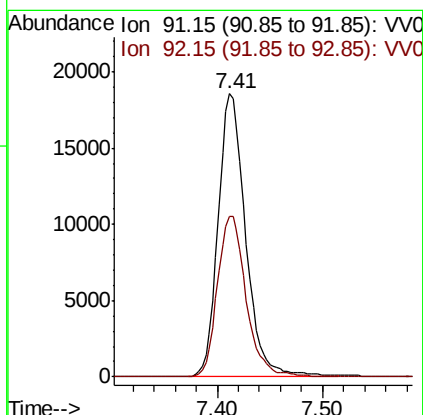
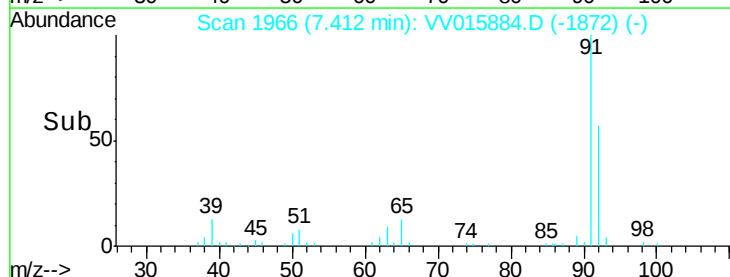
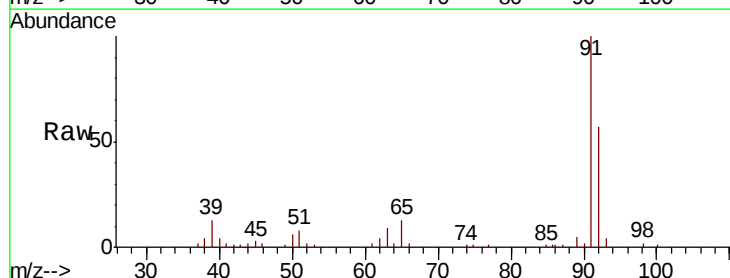
Instrument :
 MSVOA_V
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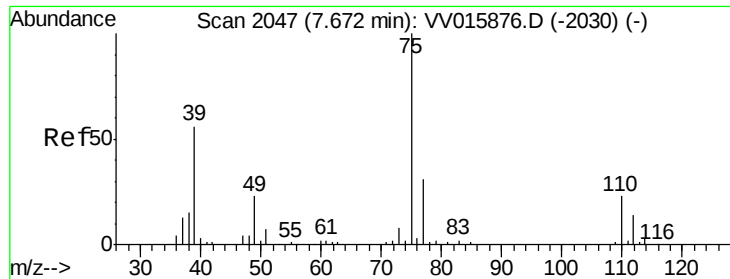
Tot Ion: 75 Resp: 1347
 Ion Ratio Lower Upper
 75 100
 77 39.1 22.3 41.5



#42
 Toluene
 Concen: 0.961 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV015884.D
 Acq: 04 May 2020 14:57

Tgt Ion: 91 Resp: 33618
 Ion Ratio Lower Upper
 91 100
 92 56.8 40.7 75.7

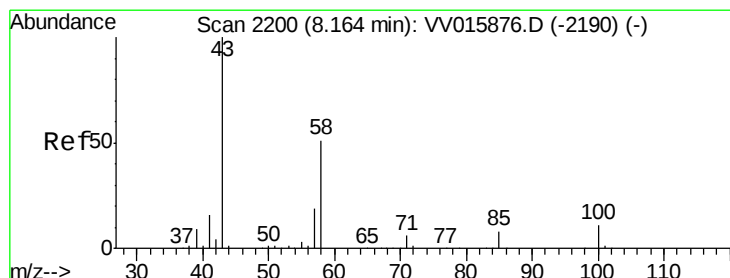
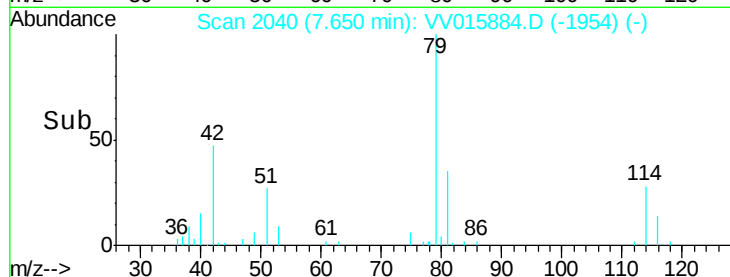
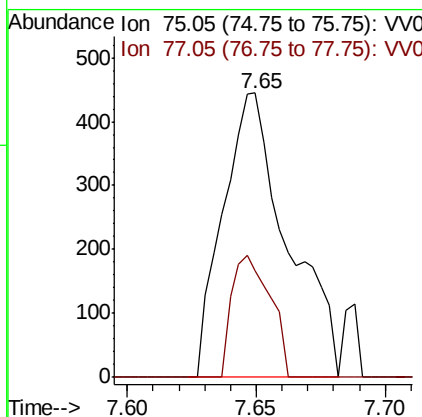
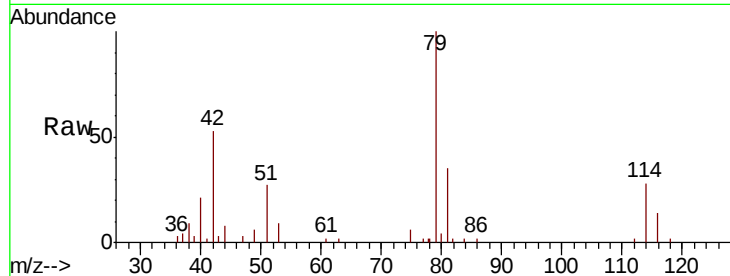




#44
trans-1,3-Dichloropropene
Concen: 0.079 ug/L
RT: 7.65 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VV015884.D
Acq: 04 May 2020 14:57

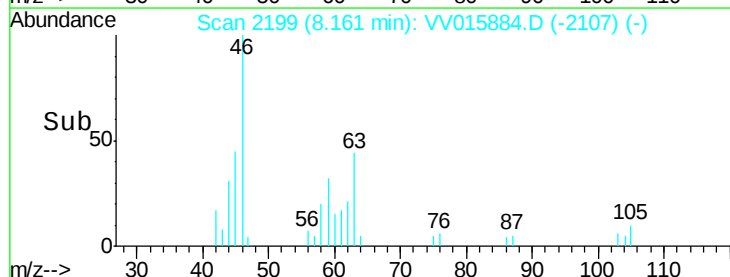
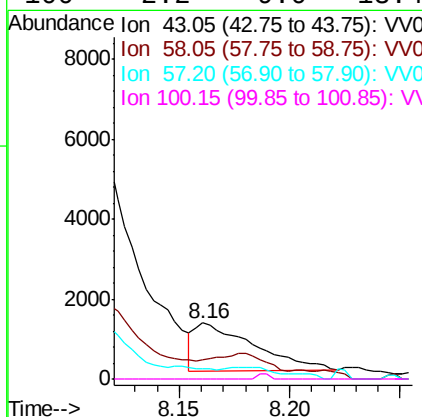
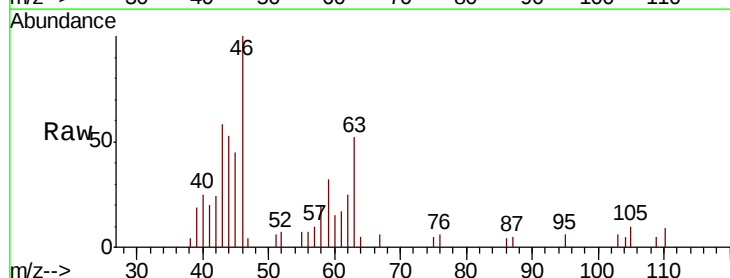
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MSVOA_V
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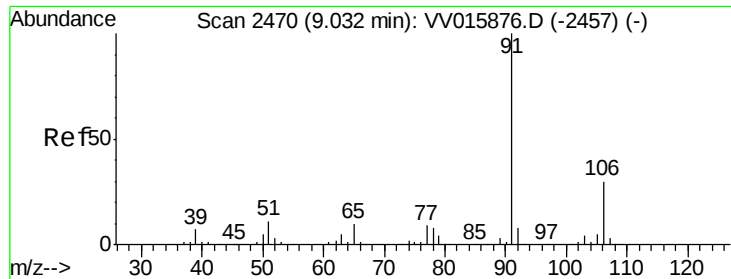
Tot Ion: 75 Resp: 773
Ion Ratio Lower Upper
75 100
77 37.5 21.8 40.6



#48
2-Hexanone
Concen: 0.578 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015884.D
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Tgt Ion: 43 Resp: 2225
Ion Ratio Lower Upper
43 100
58 36.2 41.1 61.7#
57 24.8 15.0 22.4#
100 2.2 9.0 13.4#

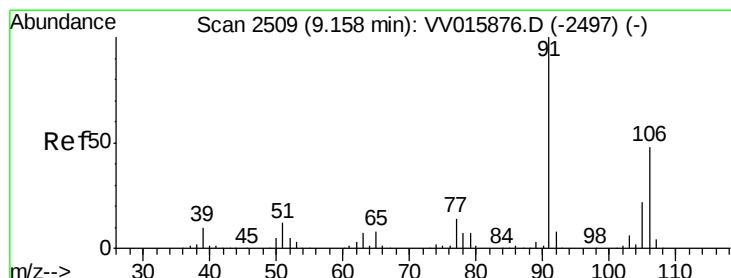
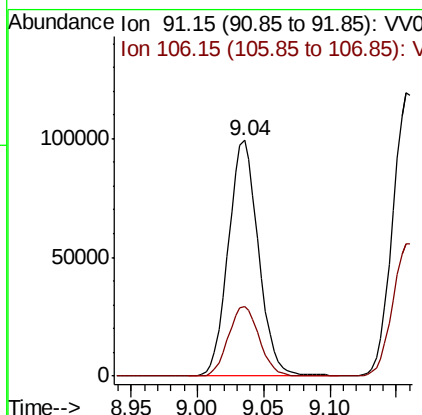
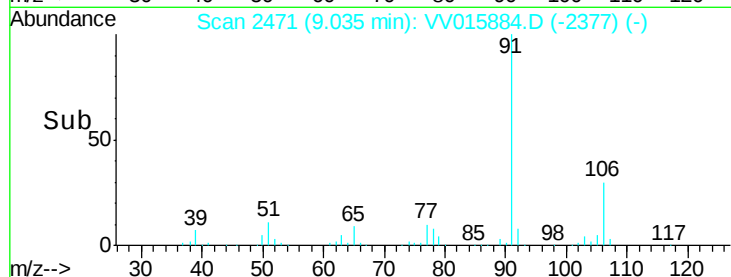
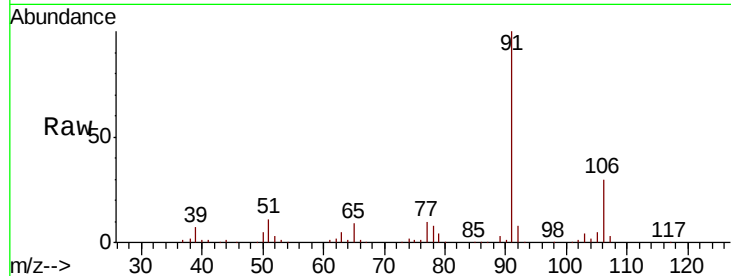




#52
Ethylbenzene
Concen: 3.884 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015884.D
Acq: 04 May 2020 14:57

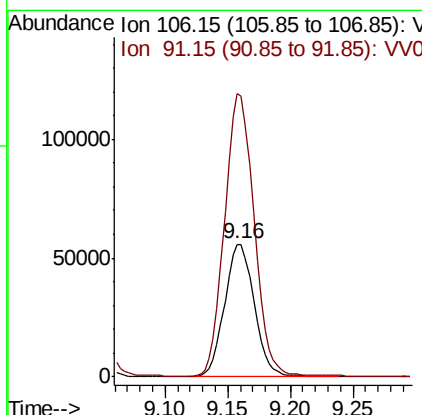
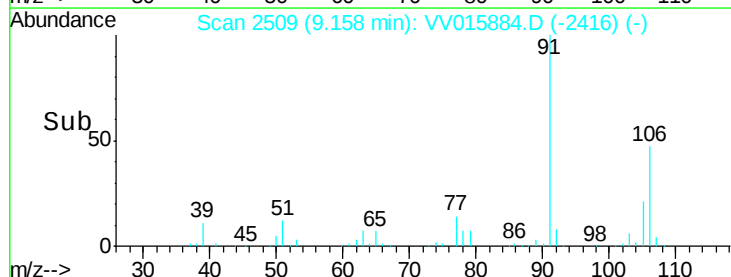
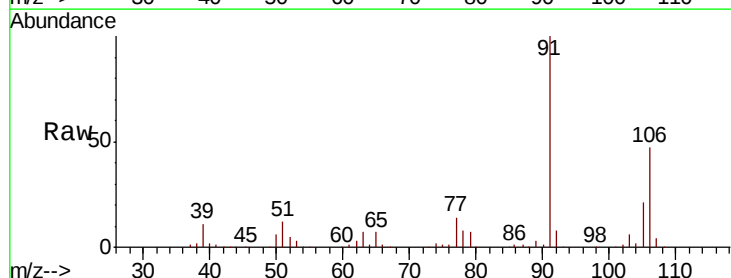
Instrument :
MSVOA_V
ClientSampled :

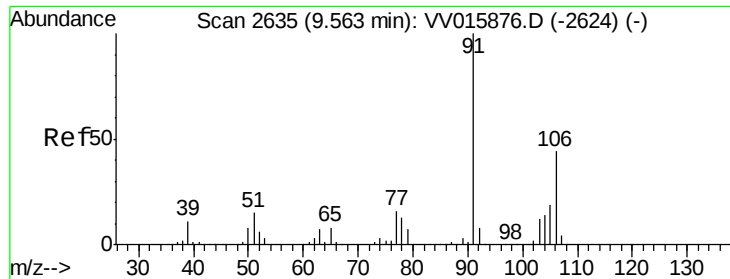
Tot Ion: 91 Resp: 157171
Ion Ratio Lower Upper
91 100
106 29.7 21.3 39.5



#53
m,p-xylene
Concen: 6.216 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV015884.D
Acq: 04 May 2020 14:57

Tgt Ion:106 Resp: 92140
Ion Ratio Lower Upper
106 100
91 213.2 147.8 274.4





#54

o-xylene

Concen: 3.648 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015884.D

Acq: 04 May 2020 14:57

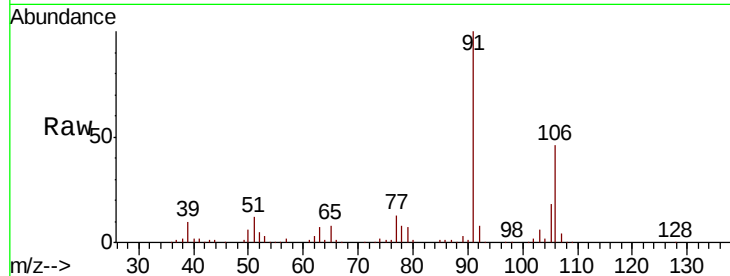
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 52325

Ion Ratio Lower Upper

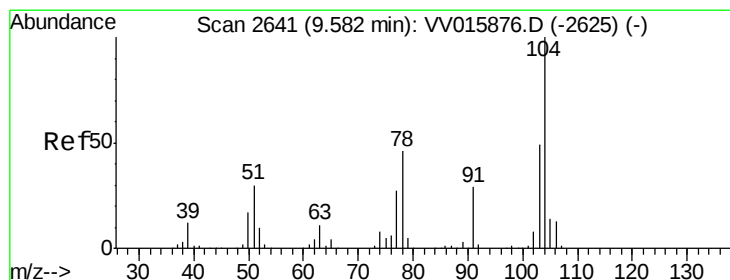
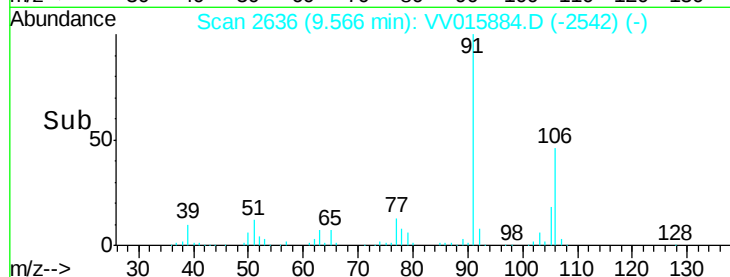
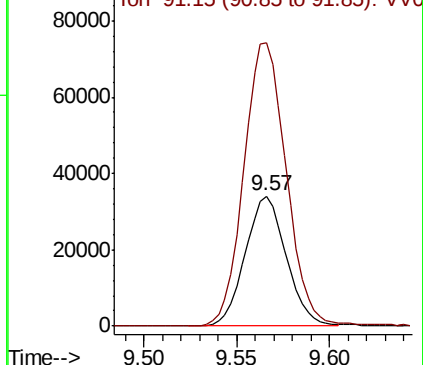
106 100

91 217.7 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.195 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. -0.01 min

Lab File: VV015884.D

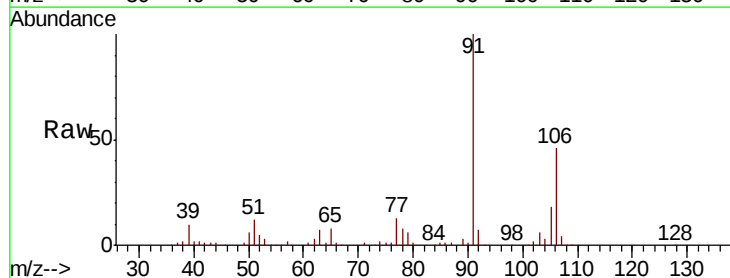
Acq: 04 May 2020 14:57

Tgt Ion:104 Resp: 4750

Ion Ratio Lower Upper

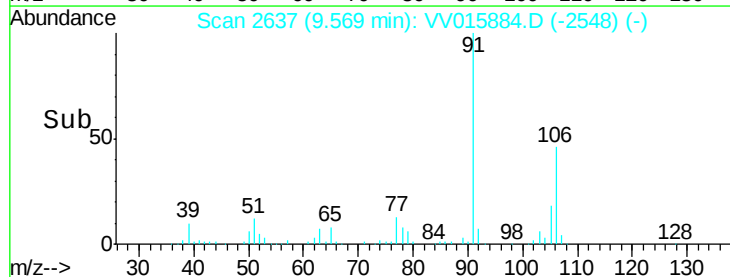
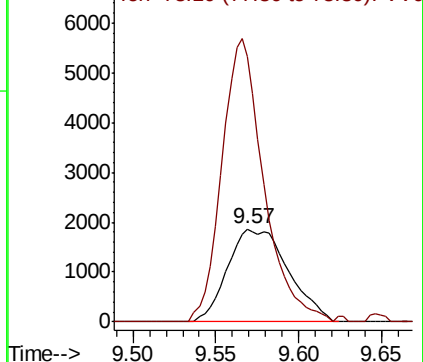
104 100

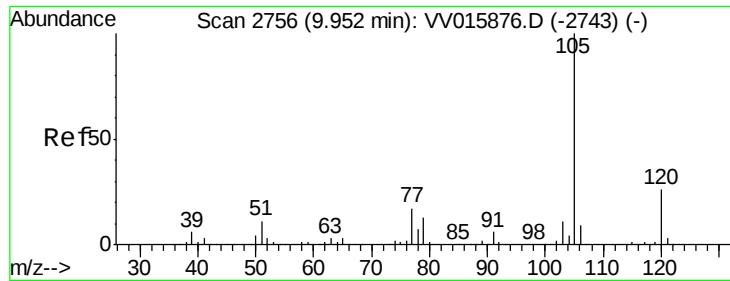
78 284.0 34.5 64.1#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.213 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015884.D

Acq: 04 May 2020 14:57

Instrument :

MSVOA_V

ClientSampleId :

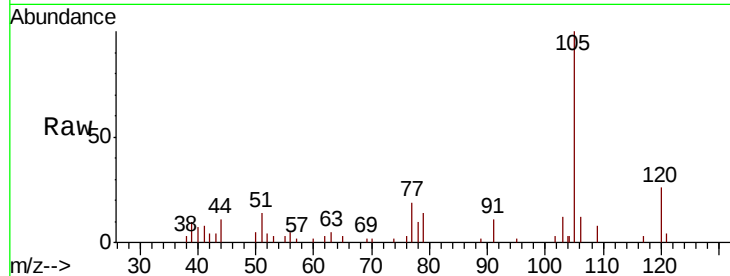
Tot Ion:105 Resp: 8571

Ion Ratio Lower Upper

105 100

120 27.5 20.7 31.1

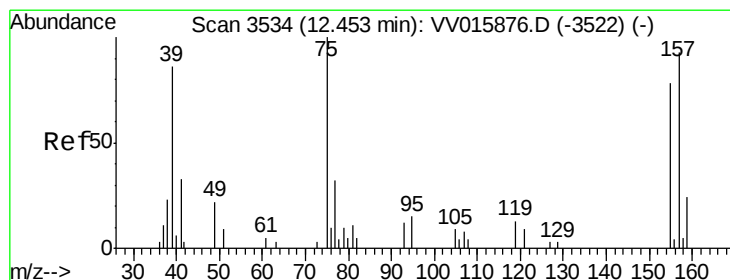
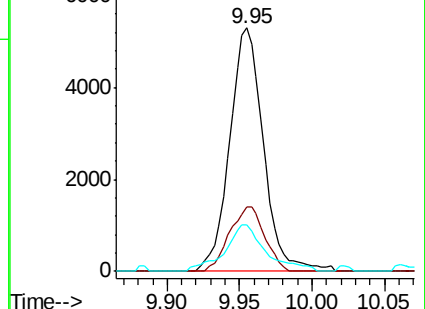
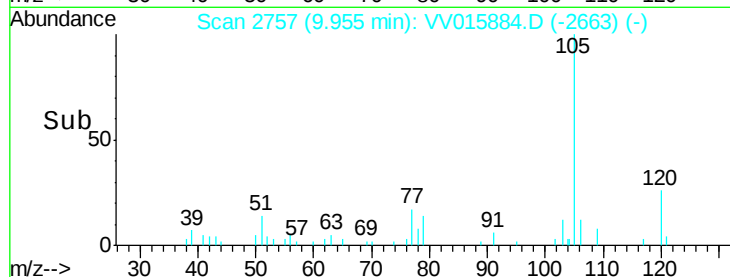
77 23.3 13.9 20.9#



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



#66

1,2-Dibromo-3-chloropropane

Concen: 6.196 ug/L

RT: 12.49 min Scan# 3544

Delta R.T. 0.03 min

Lab File: VV015884.D

Acq: 04 May 2020 14:57

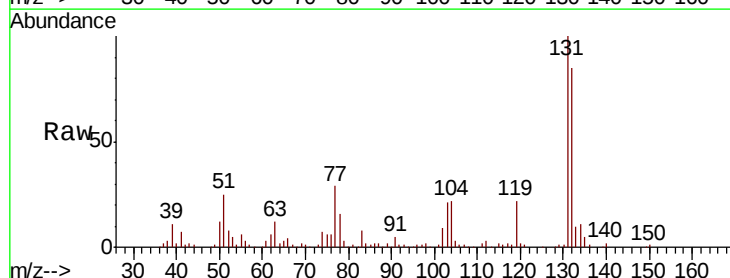
Tgt Ion: 75 Resp: 6819

Ion Ratio Lower Upper

75 100

155 0.0 51.0 76.4#

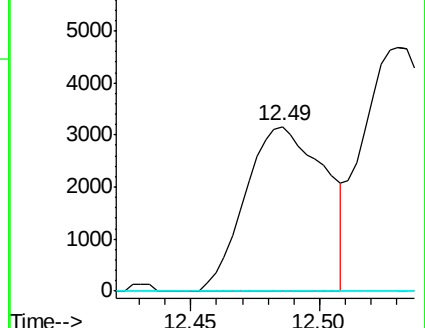
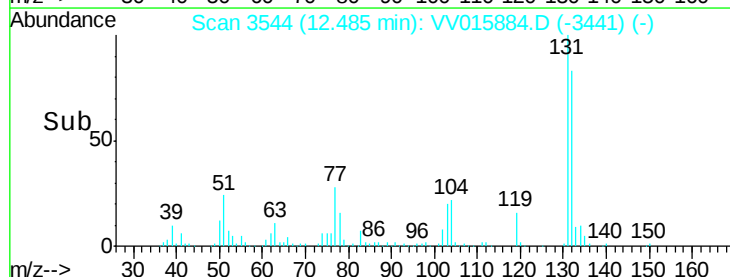
157 0.0 70.6 106.0#

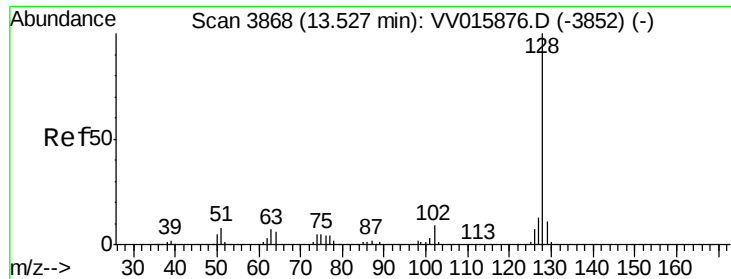


Abundance Ion 75.05 (74.75 to 75.75): V

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#69

Naphthalene

Concen: 14.868 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

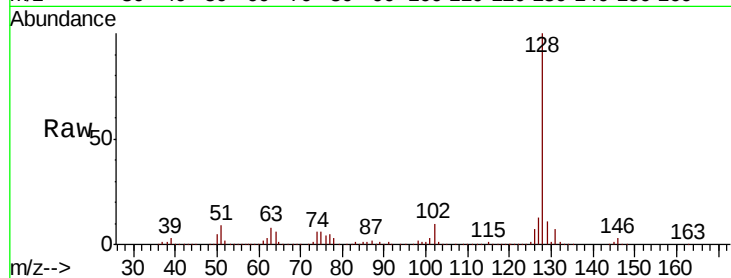
Lab File: VV015884.D

Acq: 04 May 2020 14:57

Instrument :

MSVOA_V

ClientSampleId :



Tot Ion:128 Resp: 338038

Ion Ratio Lower Upper

128 100

129 11.9 8.4 12.6

127 13.2 10.2 15.4

