

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
 Data File : VV015859.D
 Acq On : 01 May 2020 15:43
 Operator : SY/MD
 Sample : L2431-16
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 02 00:10:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 02 00:06:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	117481	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	116880	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	57343	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	28533	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.58	69	26843	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.12	63	43719	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	3.93	46	79280	40.22	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.44%
24) Chloroform-d	4.38	84	60920	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.06	65	35926	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.08	84	119375	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.10	67	38770	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.34	98	105017	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	7.64	79	12196	3.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.80%
46) 2-Hexanone-d5	8.11	63	59595	35.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.90%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	27154	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	42858	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	37415	4.298	ug/L	99
6) Bromomethane	1.54	94	546	0.137	ug/L	76
13) Acetone	2.22	43	8486	6.199	ug/L	95
14) Carbon disulfide	2.31	76	820	0.042	ug/L #	86
25) Chloroform	4.41	83	3460	0.217	ug/L	98
33) Benzene	5.13	78	40656	1.217	ug/L	100
34) Trichloroethene	6.06	95	1462	0.159	ug/L #	12
35) Methylcyclohexane	6.10	83	9336	0.660	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4952	0.583	ug/L #	86
42) Toluene	7.42	91	8562	0.240	ug/L	94
44) trans-1,3-Dichloropropene	7.65	75	551	0.055	ug/L	93
48) 2-Hexanone	8.17	43	1676	0.427	ug/L #	86
52) Ethylbenzene	9.04	91	117445	2.844	ug/L	99
53) m,p-xylene	9.16	106	15685	1.037	ug/L	94
54) o-xylene	9.57	106	27090	1.851	ug/L	100
55) Styrene	9.57	104	2570	0.103	ug/L #	1
56) Isopropylbenzene	9.95	105	16368	0.399	ug/L	98

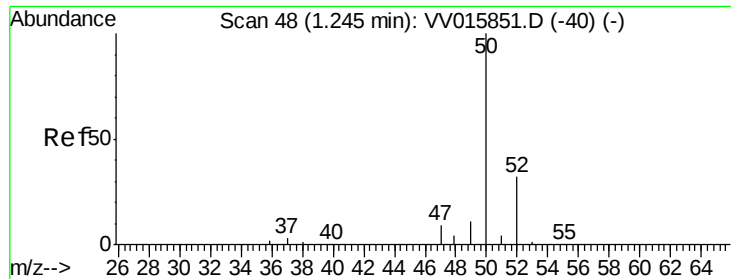
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
Data File : VV015859.D
Acq On : 01 May 2020 15:43
Operator : SY/MD
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Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 02 00:10:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 02 00:06:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.49	75	11532	10.784	ug/L #	11
69) Naphthalene	13.53	128	14567	0.659	ug/L #	93

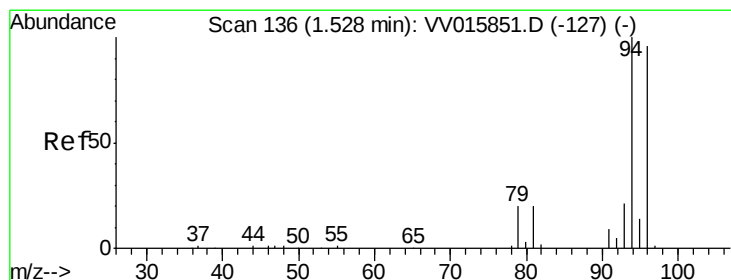
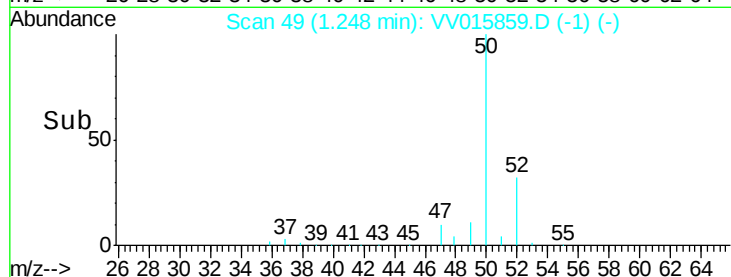
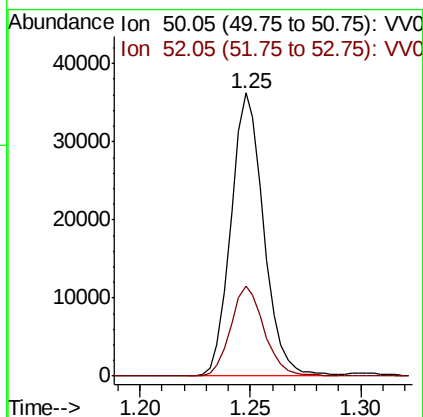
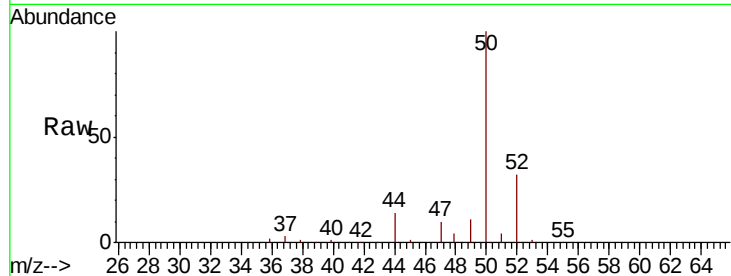
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 4.298 ug/L
RT: 1.25 min Scan# 49
Delta R.T. 0.00 min
Lab File: VV015859.D
Acq: 01 May 2020 15:43

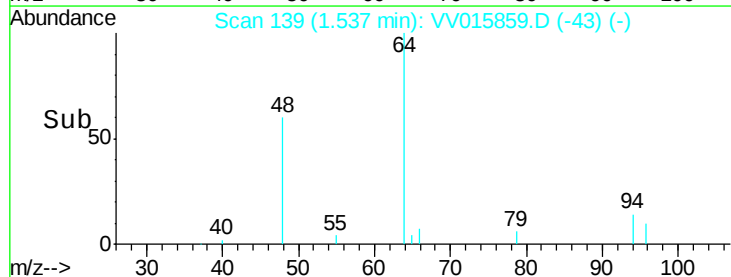
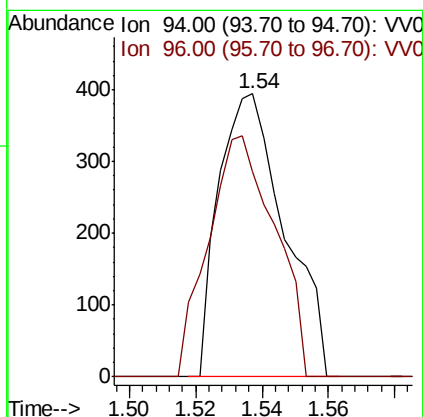
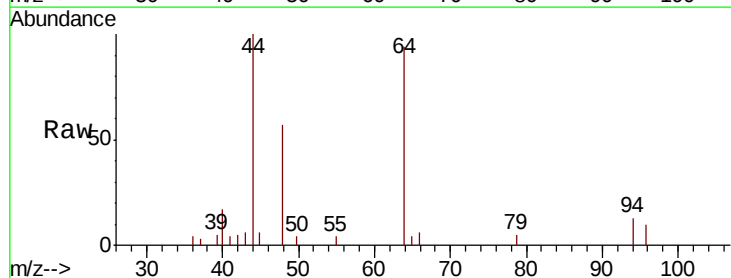
Instrument :
MSVOA_V
ClientSampled :

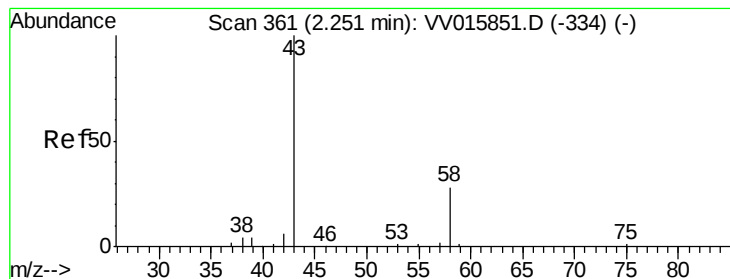
Tot Ion: 50 Resp: 37415
Ion Ratio Lower Upper
50 100
52 32.0 22.9 42.5



#6
Bromomethane
Concen: 0.137 ug/L
RT: 1.54 min Scan# 139
Delta R.T. 0.01 min
Lab File: VV015859.D
Acq: 01 May 2020 15:43

Tgt Ion: 94 Resp: 546
Ion Ratio Lower Upper
94 100
96 72.6 67.3 125.1





#13

Acetone

Concen: 6.199 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.04 min

Lab File: VV015859.D

Acq: 01 May 2020 15:43

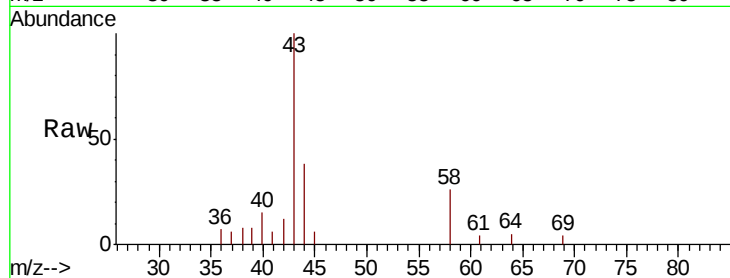
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 8486

Ion Ratio Lower Upper

43 100

58 31.5 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015859.D (-268) (-)

Ion 58.05 (57.75 to 58.75): VV015859.D (-268) (-)

2.22

2500

2000

1500

1000

500

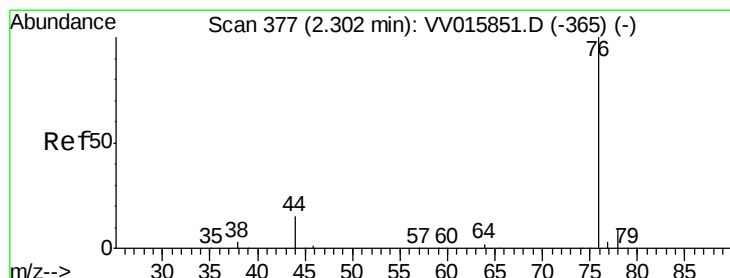
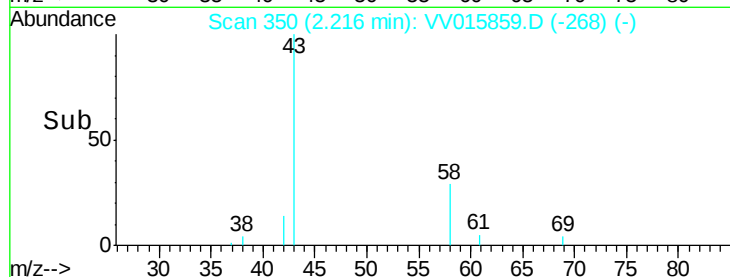
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Time-->

2.10

2.20

2.30



#14

Carbon disulfide

Concen: 0.042 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV015859.D

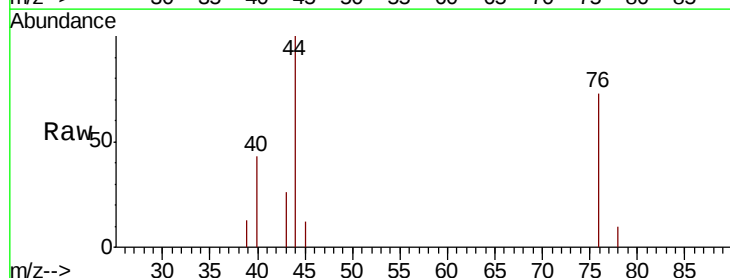
Acq: 01 May 2020 15:43

Tgt Ion: 76 Resp: 820

Ion Ratio Lower Upper

76 100

78 14.3 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV015859.D (-284) (-)

Ion 78.00 (77.70 to 78.70): VV015859.D (-284) (-)

2.31

800

600

400

200

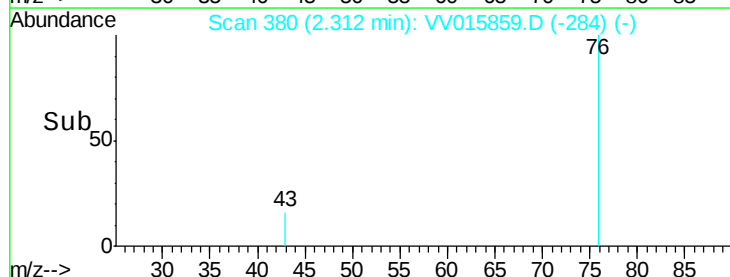
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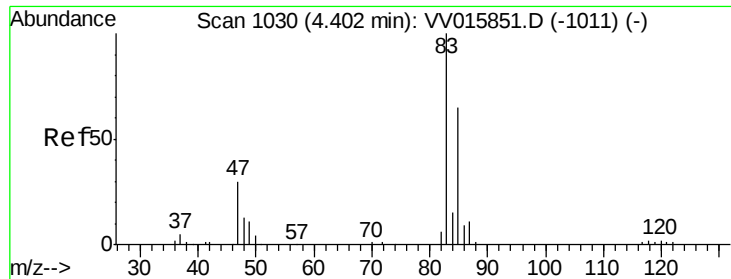
Time-->

2.28

2.30

2.32

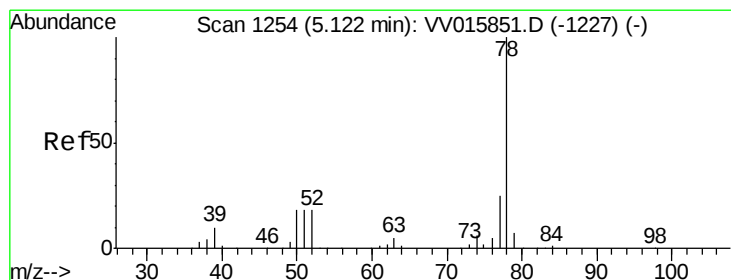
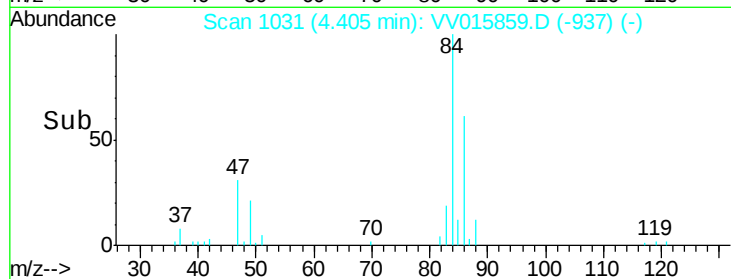
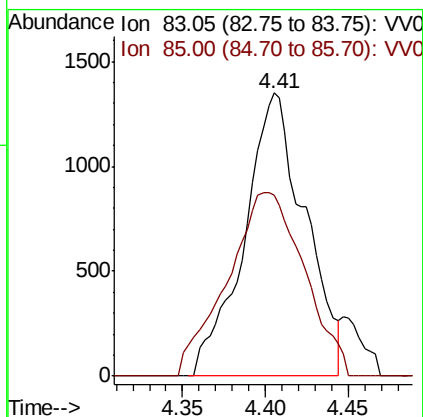
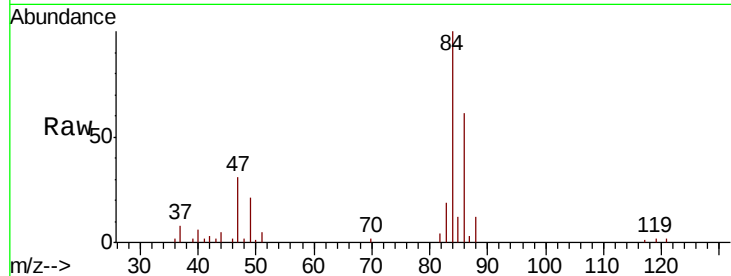




#25
Chloroform
Concen: 0.217 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015859.D
Acq: 01 May 2020 15:43

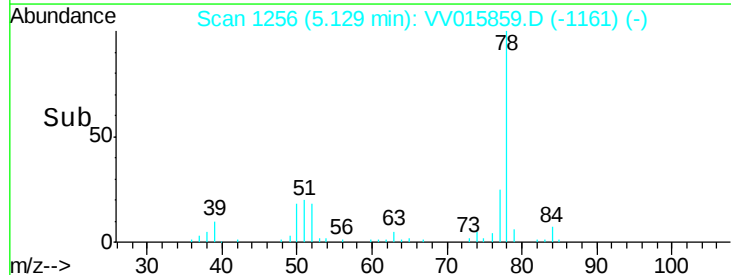
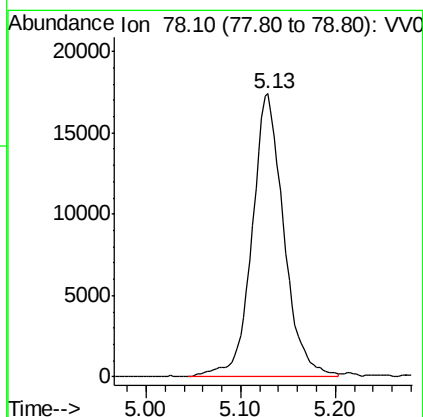
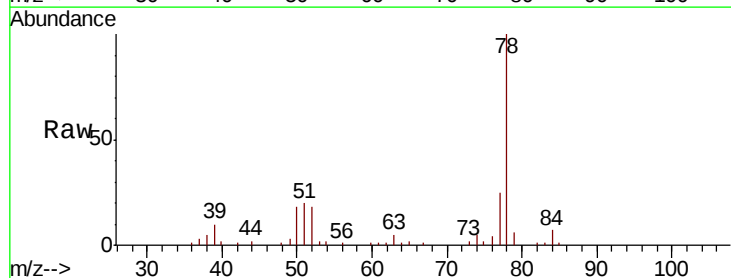
Instrument :
MSVOA_V
ClientSampled :

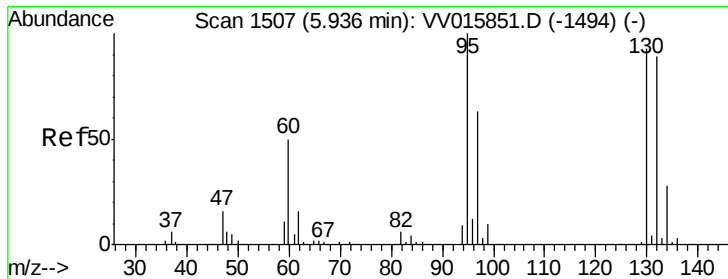
Tot Ion: 83 Resp: 3460
Ion Ratio Lower Upper
83 100
85 64.0 46.1 85.5



#33
Benzene
Concen: 1.217 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV015859.D
Acq: 01 May 2020 15:43

Tgt Ion: 78 Resp: 40656





#34

Trichloroethene

Concen: 0.159 ug/L

RT: 6.06 min Scan# 1547

Delta R.T. 0.13 min

Lab File: VV015859.D

Acq: 01 May 2020 15:43

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 1462

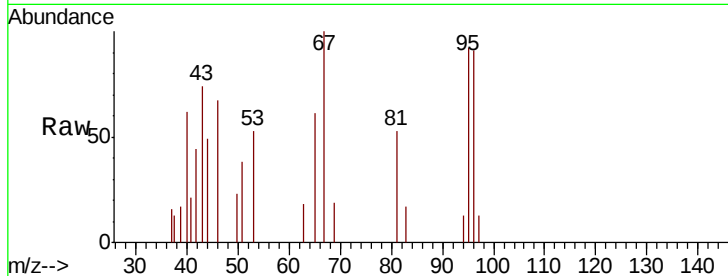
Ion Ratio Lower Upper

95 100

97 13.8 44.7 82.9#

132 0.0 65.2 121.0#

130 0.0 65.0 120.6#

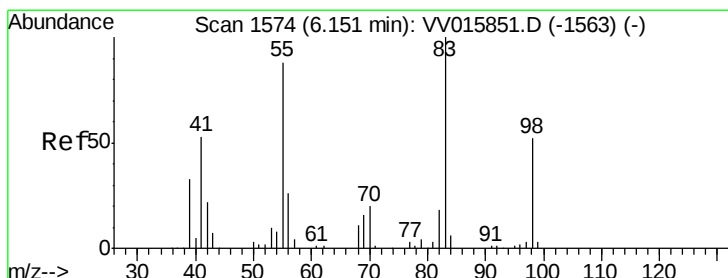
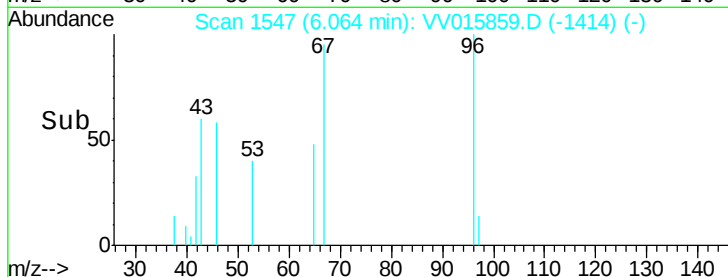
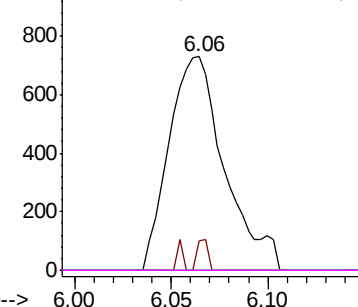


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.660 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV015859.D

Acq: 01 May 2020 15:43

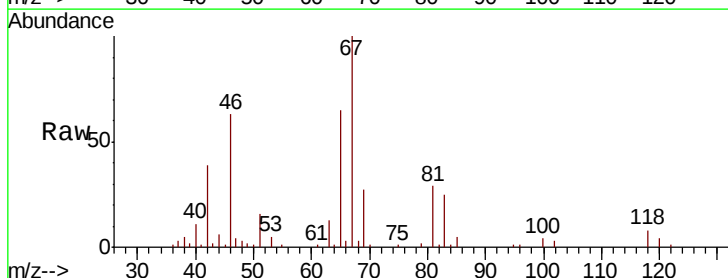
Tgt Ion: 83 Resp: 9336

Ion Ratio Lower Upper

83 100

55 1.1 66.6 99.8#

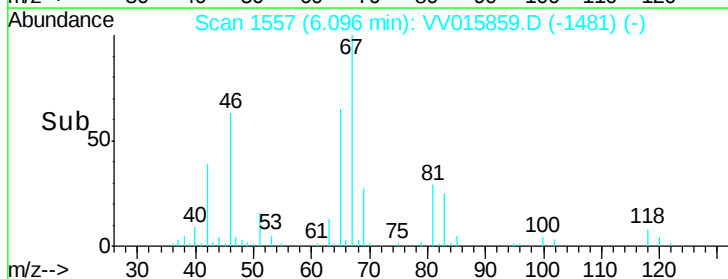
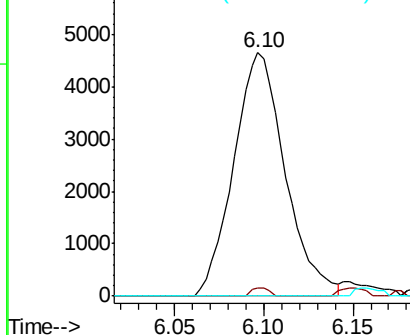
98 0.4 39.5 59.3#

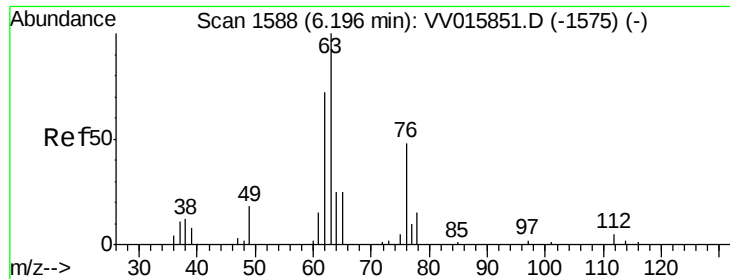


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

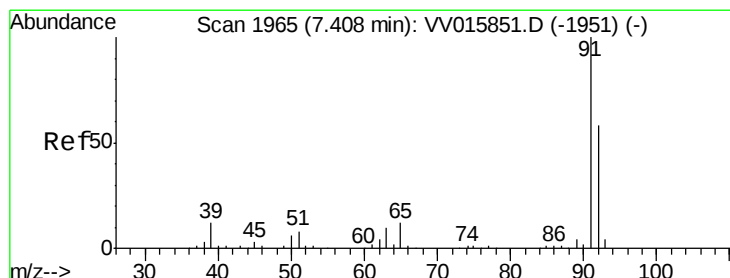
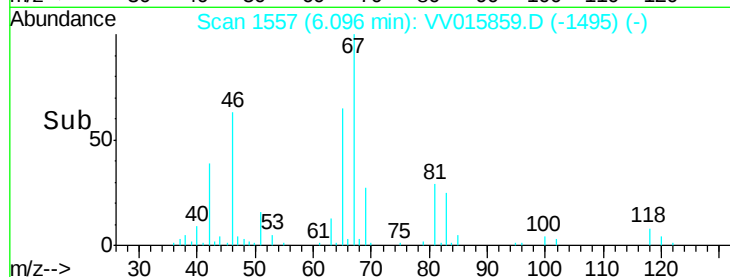
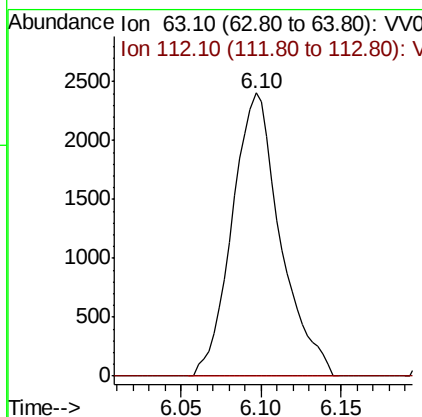
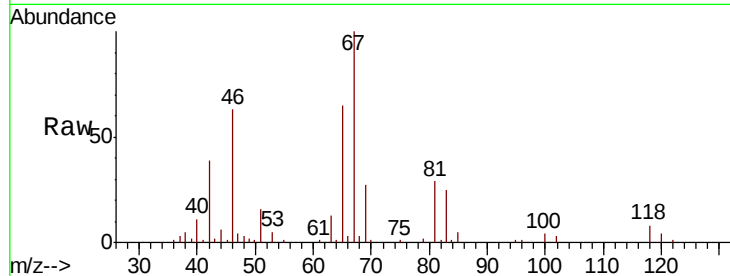




#37
 1,2-Dichloropropane
 Concen: 0.583 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015859.D
 Acq: 01 May 2020 15:43

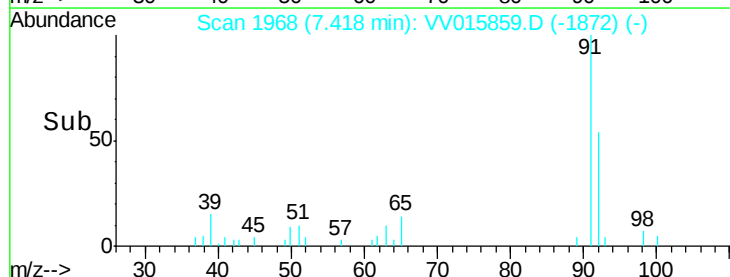
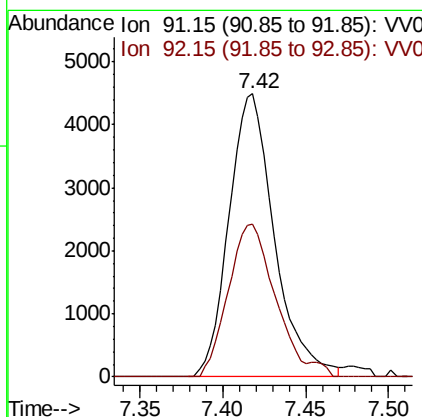
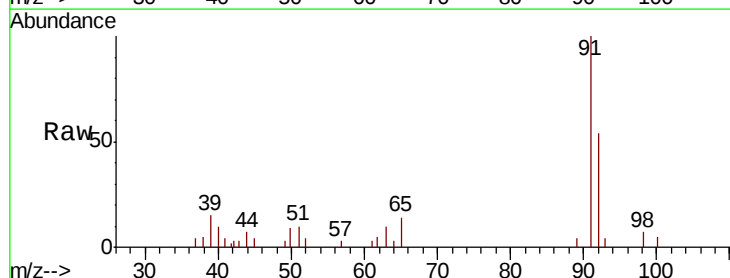
Instrument :
 MSVOA_V
 ClientSampled :

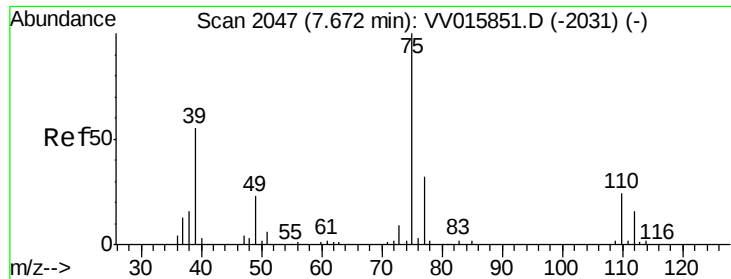
Tot Ion: 63 Resp: 4952
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#42
 Toluene
 Concen: 0.240 ug/L
 RT: 7.42 min Scan# 1968
 Delta R.T. 0.01 min
 Lab File: VV015859.D
 Acq: 01 May 2020 15:43

Tgt Ion: 91 Resp: 8562
 Ion Ratio Lower Upper
 91 100
 92 54.0 40.7 75.7

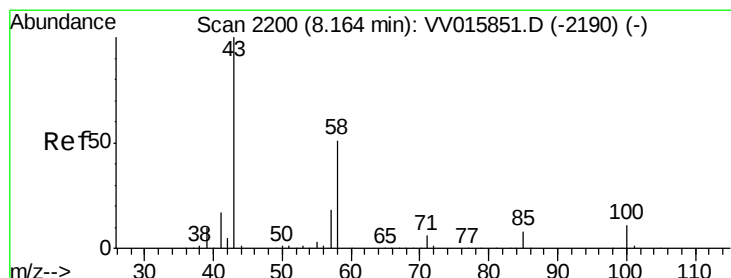
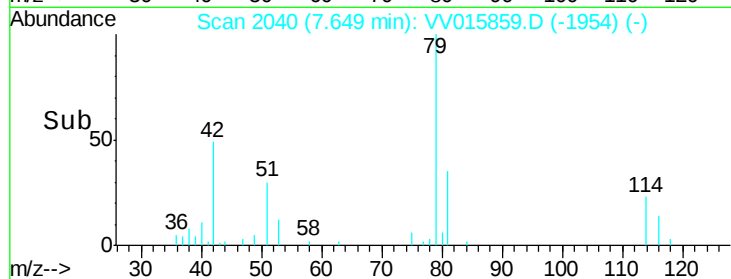
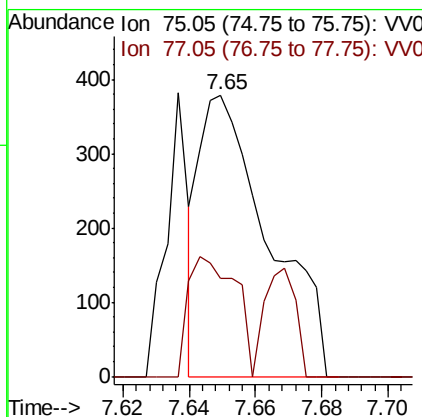
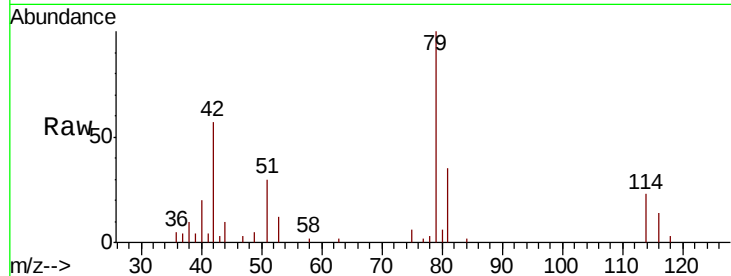




#44
trans-1,3-Dichloropropene
Concen: 0.055 ug/L
RT: 7.65 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VV015859.D
Acq: 01 May 2020 15:43

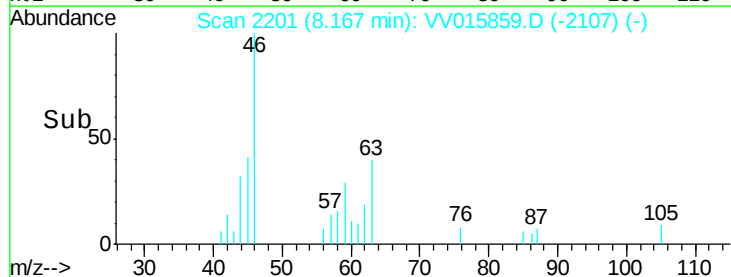
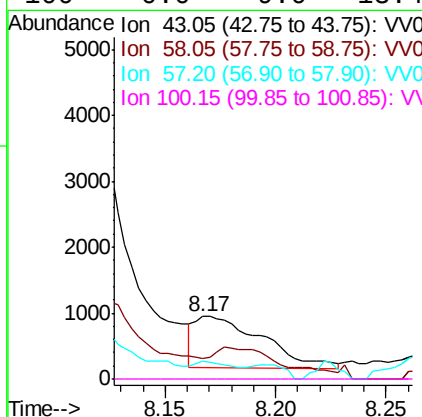
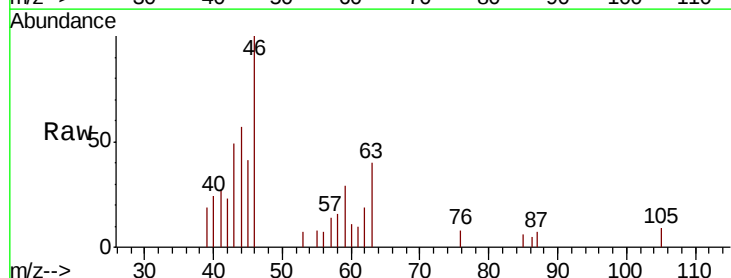
Instrument :
MSVOA_V
ClientSampled :

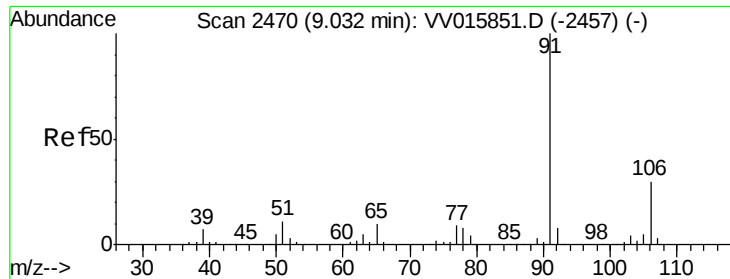
Tot Ion: 75 Resp: 551
Ion Ratio Lower Upper
75 100
77 35.1 21.8 40.6



#48
2-Hexanone
Concen: 0.427 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015859.D
Acq: 01 May 2020 15:43

Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
58 41.8 41.1 61.7
57 16.3 15.0 22.4
100 0.0 9.0 13.4#

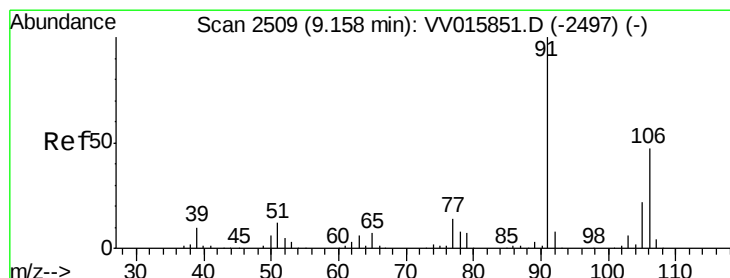
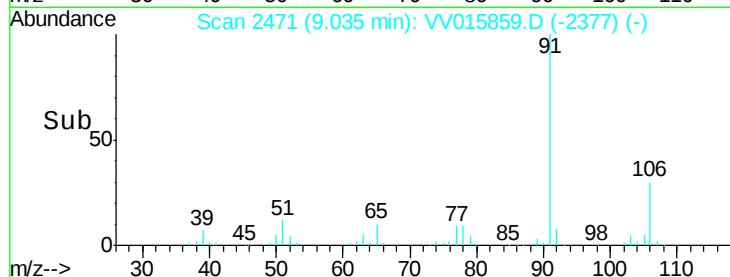
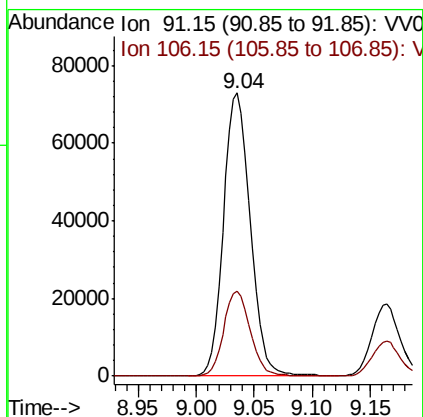
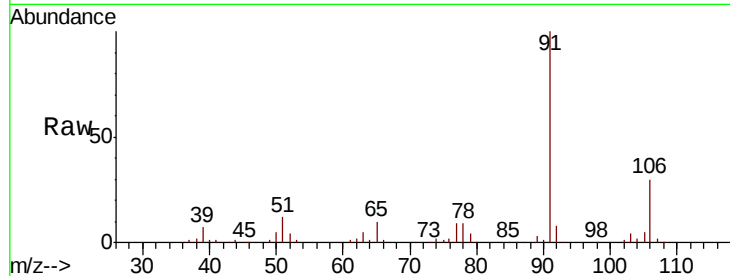




#52
Ethylbenzene
Concen: 2.844 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015859.D
Acq: 01 May 2020 15:43

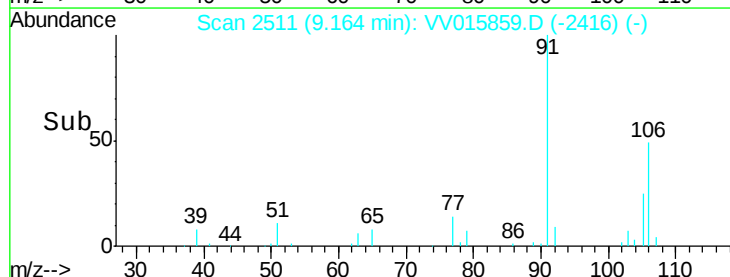
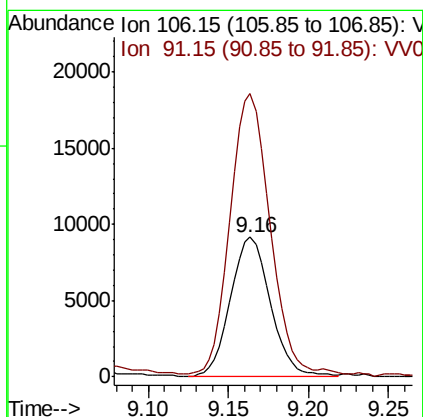
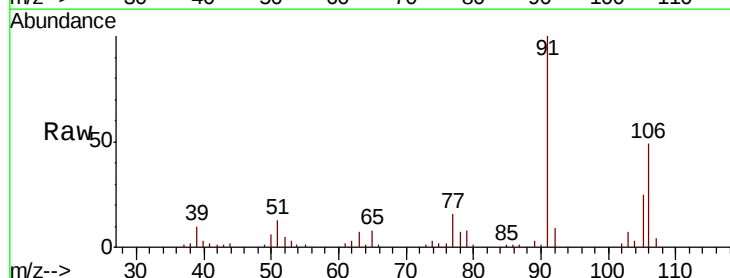
Instrument :
MSVOA_V
ClientSampled :

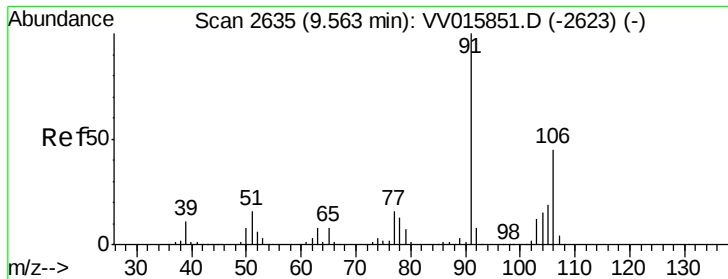
Tot Ion: 91 Resp: 117445
Ion Ratio Lower Upper
91 100
106 30.0 21.3 39.5



#53
m,p-xylene
Concen: 1.037 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. 0.01 min
Lab File: VV015859.D
Acq: 01 May 2020 15:43

Tgt Ion: 106 Resp: 15685
Ion Ratio Lower Upper
106 100
91 202.3 147.8 274.4





#54

o-xylene

Concen: 1.851 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015859.D

Acq: 01 May 2020 15:43

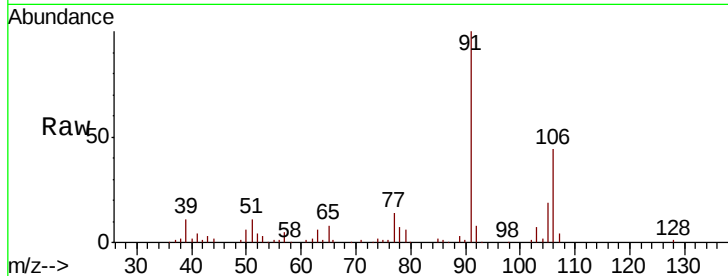
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 27090

Ion Ratio Lower Upper

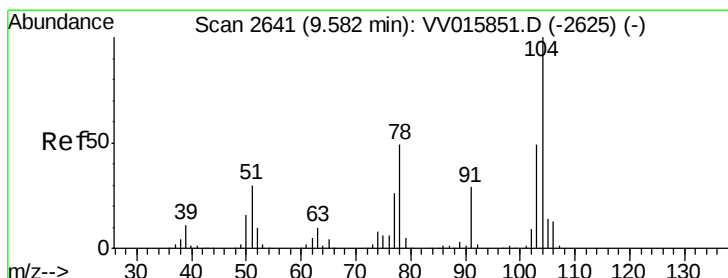
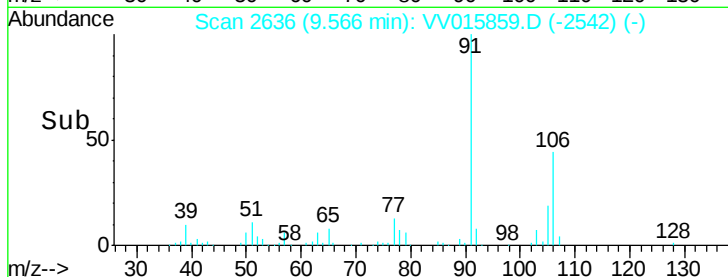
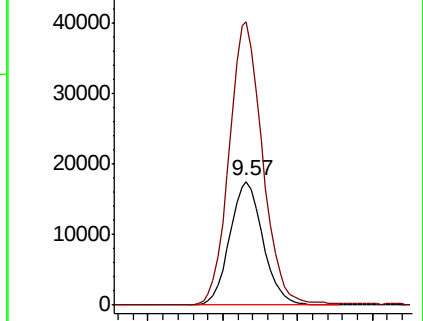
106 100

91 228.6 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.103 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.02 min

Lab File: VV015859.D

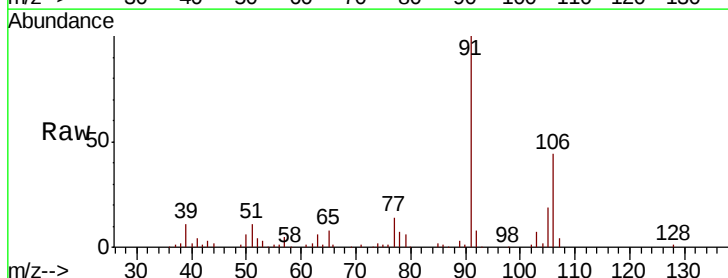
Acq: 01 May 2020 15:43

Tgt Ion:104 Resp: 2570

Ion Ratio Lower Upper

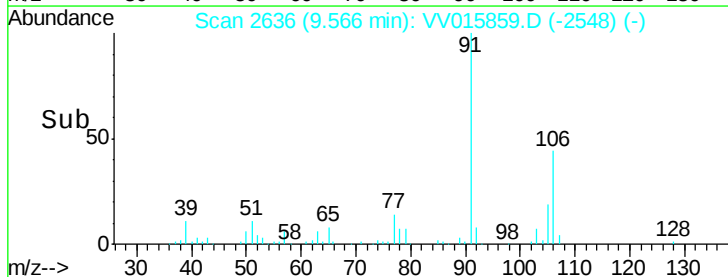
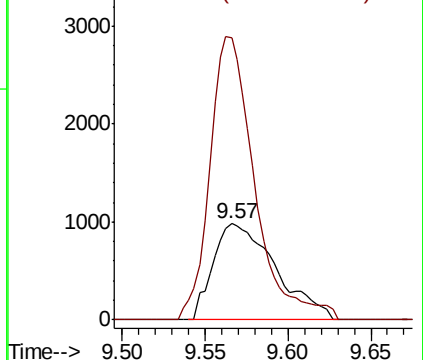
104 100

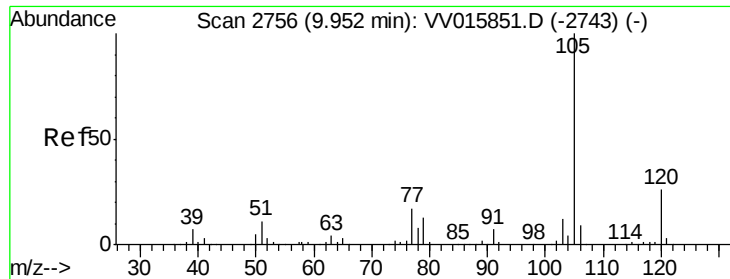
78 292.9 34.5 64.1#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.399 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015859.D

Acq: 01 May 2020 15:43

Instrument :

MSVOA_V

ClientSampled :

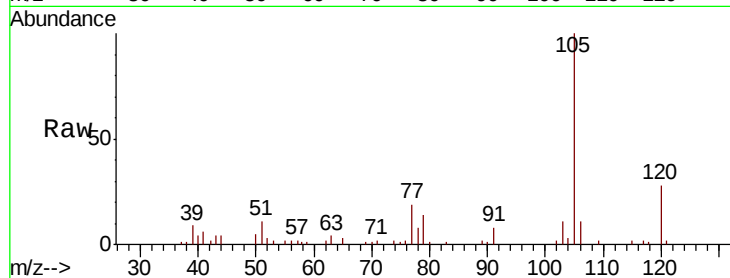
Tot Ion:105 Resp: 16368

Ion Ratio Lower Upper

105 100

120 26.5 20.7 31.1

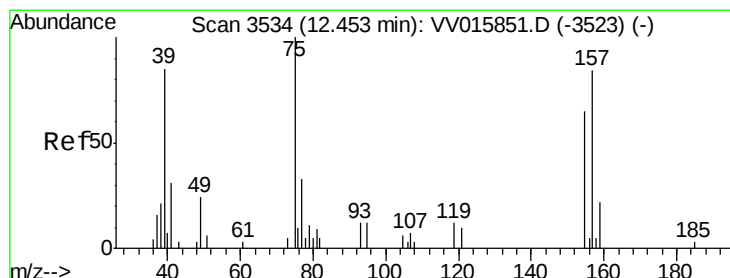
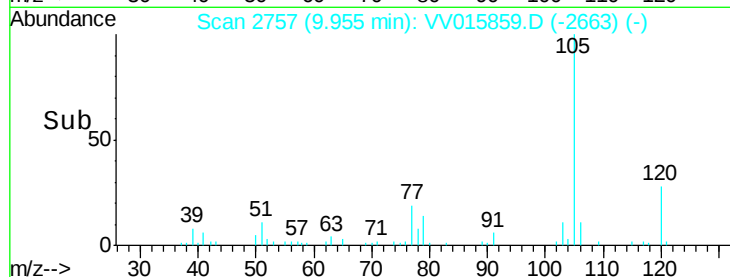
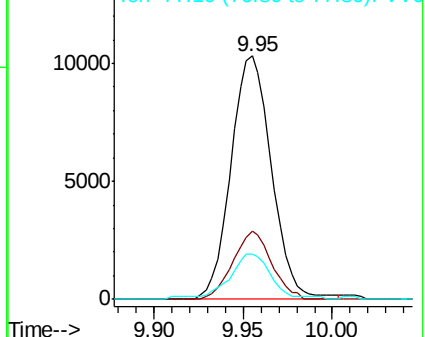
77 18.7 13.9 20.9



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: 10.784 ug/L

RT: 12.49 min Scan# 3545

Delta R.T. 0.04 min

Lab File: VV015859.D

Acq: 01 May 2020 15:43

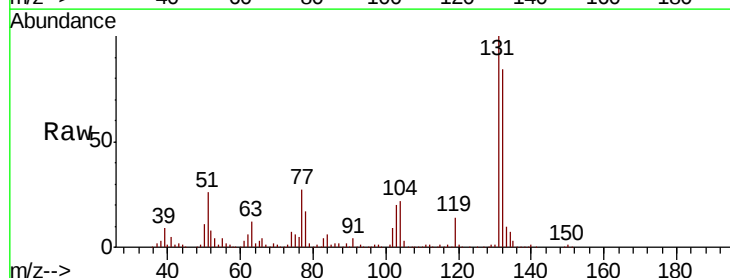
Tgt Ion: 75 Resp: 11532

Ion Ratio Lower Upper

75 100

155 0.0 51.0 76.4#

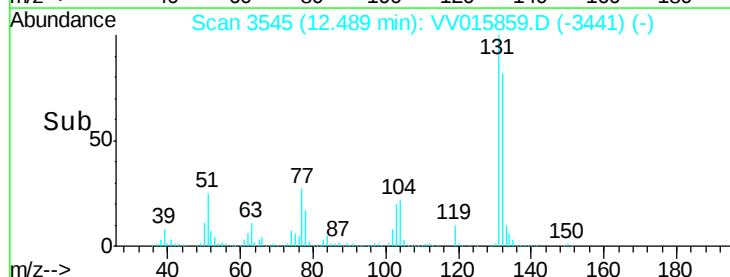
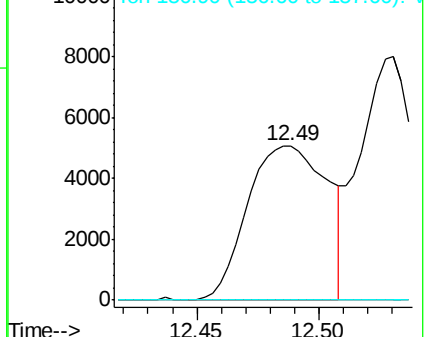
157 0.0 70.6 106.0#

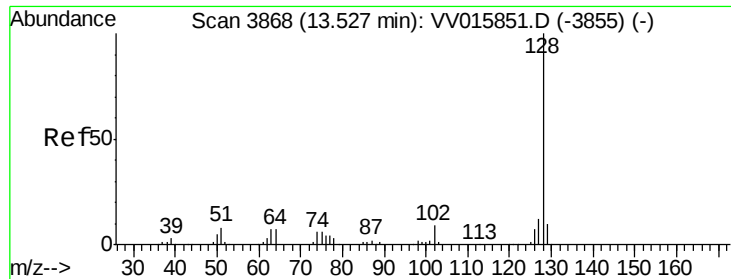


Abundance Ion 75.05 (74.75 to 75.75): V

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#69

Naphthalene

Concen: 0.659 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015859.D

Acq: 01 May 2020 15:43

Instrument :

MSVOA_V

ClientSampleId :

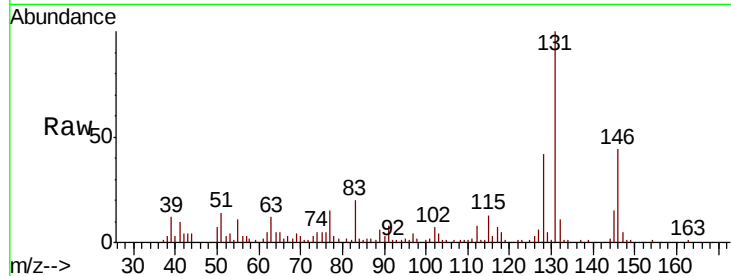
Tot Ion:128 Resp: 14567

Ion Ratio Lower Upper

128 100

129 15.0 8.4 12.6#

127 13.9 10.2 15.4



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

