

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110921\
 Data File : VW023337.D
 Acq On : 10 Nov 2021 17:16
 Operator : SY/MD
 Sample : M4558-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 11 00:44:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 11 00:38:57 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	135463	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	126702	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	69616	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	26245	3.093	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.800%
7) Chloroethane-d5	1.568	69	26392	3.816	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.400%
11) 1,1-Dichloroethene-d2	2.111	63	38941	2.451	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.000%#
20) 2-Butanone-d5	3.886	46	99613	68.133	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	136.260%#
24) Chloroform-d	4.352	84	75222	4.159	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
26) 1,2-Dichloroethane-d4	5.040	65	36669	4.509	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.056	84	146165	4.496	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
36) 1,2-Dichloropropane-d6	6.072	67	45638	4.769	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.317	98	126045	4.137	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
43) trans-1,3-Dichloroprop...	7.625	79	14022	3.864	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.200%
46) 2-Hexanone-d5	8.088	63	79190	59.314	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.620%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	34349	4.991	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	56143	4.843	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	7361	0.655	ug/L #	68
5) Vinyl chloride	1.310	62	1539	0.137	ug/L #	75
8) Chloroethane	1.587	64	2256	0.349	ug/L	97
13) Acetone	2.178	43	11503	12.876	ug/L	96
15) Methyl Acetate	2.500	43	656066	259.484	ug/L #	47
16) Methylene chloride	2.452	84	4548	0.386	ug/L #	7
21) 2-Butanone	3.883	43	12430	8.606	ug/L #	53
22) cis-1,2-Dichloroethene	3.918	96	17298	1.810	ug/L #	81
25) Chloroform	4.407	83	13738	0.769	ug/L	79
27) 1,2-Dichloroethane	5.117	62	550085	57.867	ug/L #	75
30) Cyclohexane	4.680	56	759038	55.047	ug/L	99
34) Trichloroethene	5.944	95	1505	0.160	ug/L #	28
35) Methylcyclohexane	6.133	83	122038	8.210	ug/L	87
37) 1,2-Dichloropropane	6.072	63	5315	0.643	ug/L #	83
42) Toluene	7.390	91	152683	4.031	ug/L	99
45) 1,1,2-Trichloroethane	7.789	97	7786	1.311	ug/L #	20
48) 2-Hexanone	8.165	43	3510	1.306	ug/L #	1
52) Ethylbenzene	9.014	91	212613	5.322	ug/L	98
53) m,p-xylene	9.140	106	495542	31.607	ug/L	96

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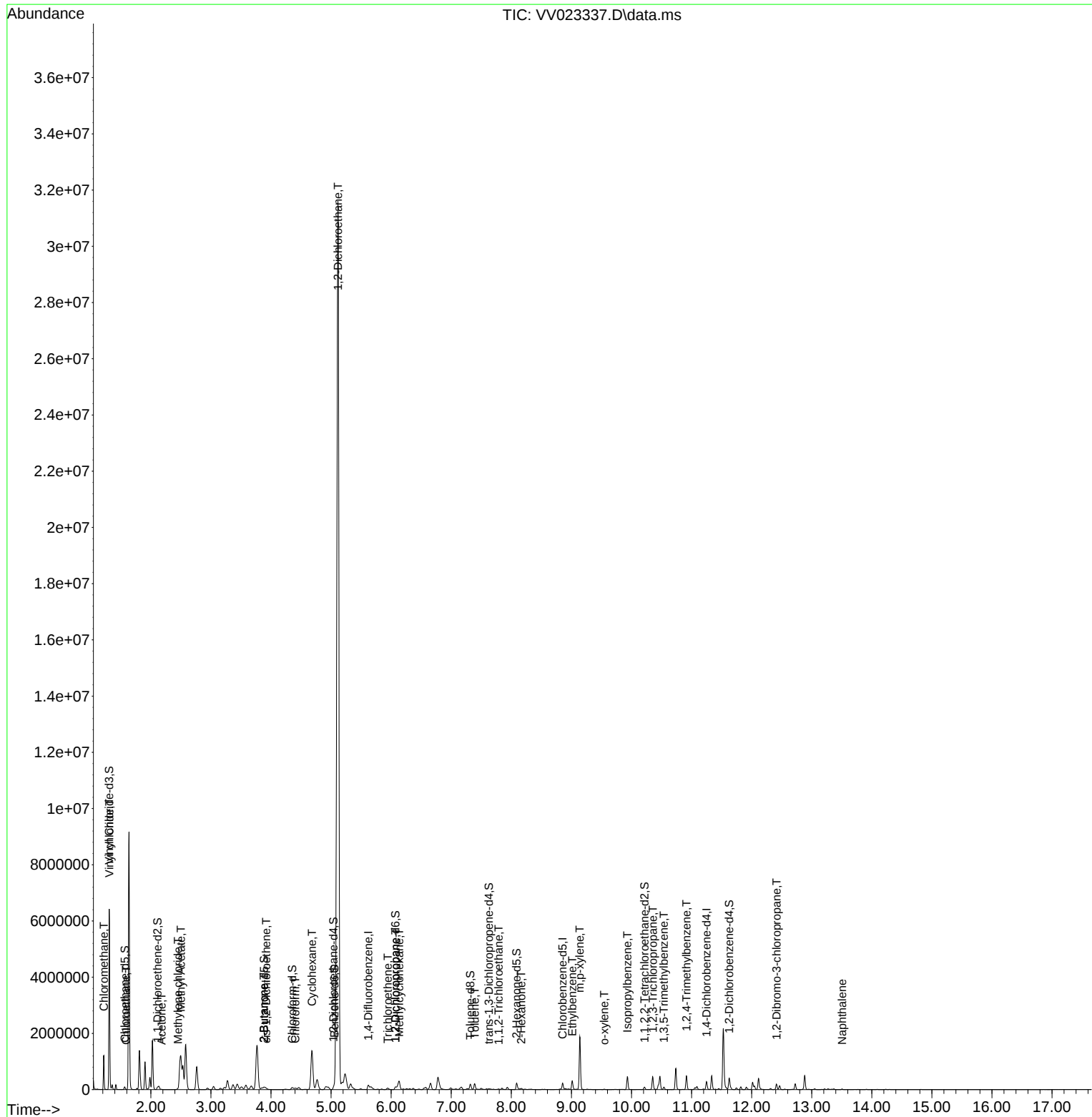
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.548	106	2803	0.191	ug/L	100
60) Isopropylbenzene	9.934	105	285646	7.150	ug/L	99
61) 1,2,3-Trichloropropane	10.355	75	2510	0.543	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.541	105	44802	1.353	ug/L	100
63) 1,2,4-Trimethylbenzene	10.914	105	253291	7.683	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	934	0.948	ug/L #	1
71) Naphthalene	13.506	128	17303	0.917	ug/L	97

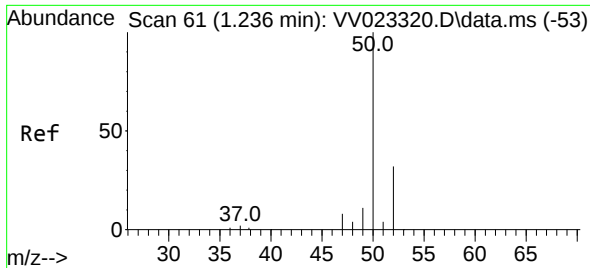
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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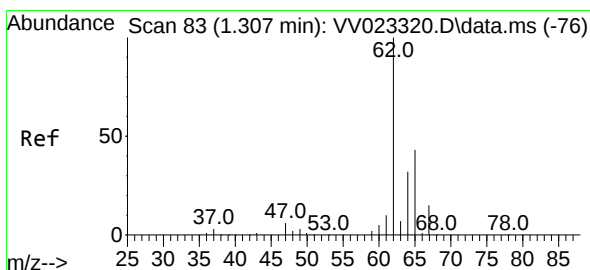
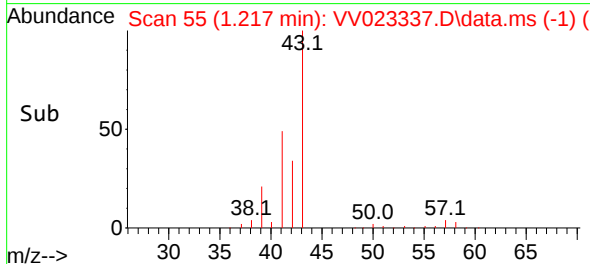
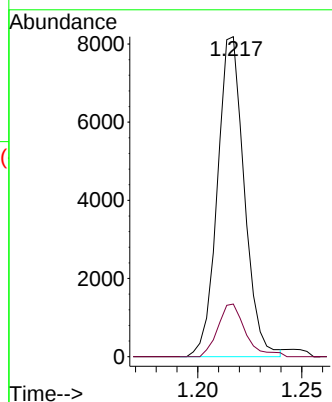
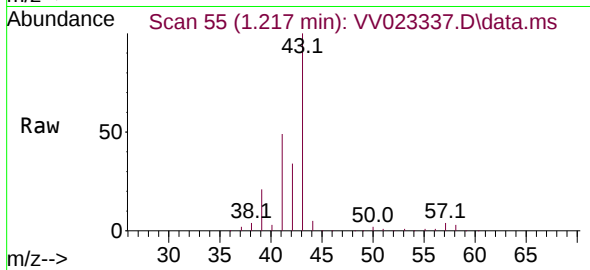




#3
Chloromethane
Concen: 0.655 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.019 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

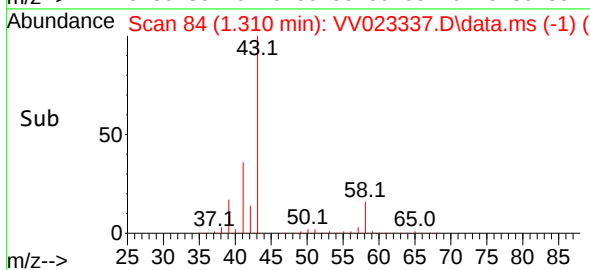
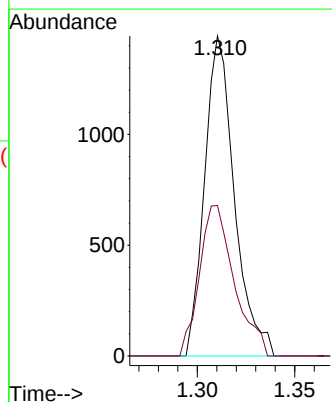
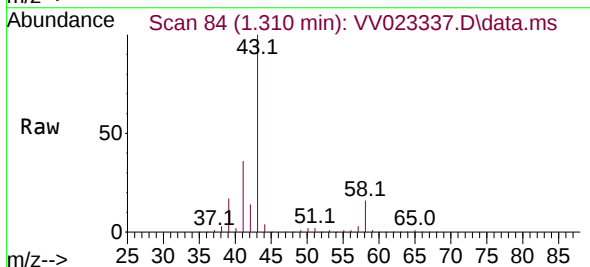
Instrument :
MSVOA_V
ClientSampleId :

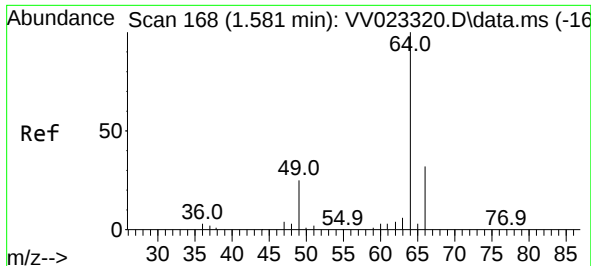
Tgt Ion: 50 Resp: 7361
Ion Ratio Lower Upper
50 100
52 16.5 24.3 45.1#



#5
Vinyl chloride
Concen: 0.137 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

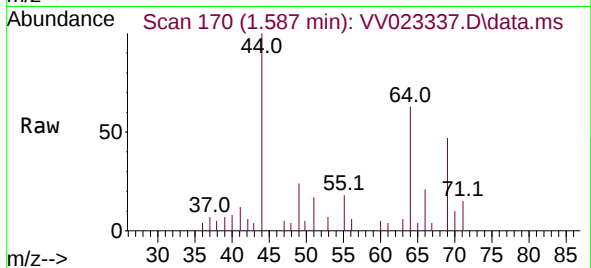
Tgt Ion: 62 Resp: 1539
Ion Ratio Lower Upper
62 100
64 47.0 23.1 42.9#



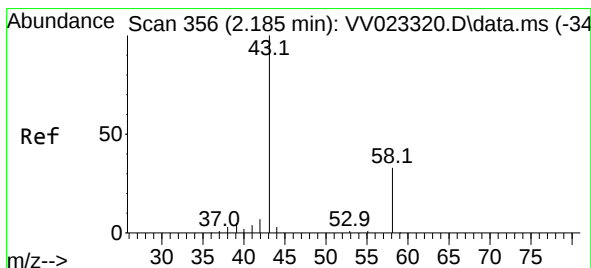
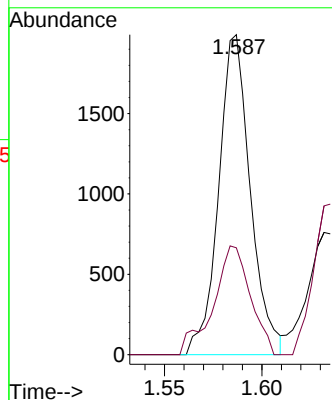
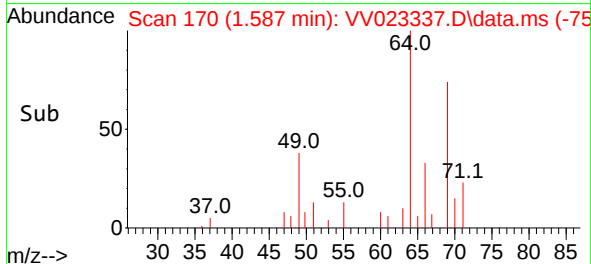


#8
Chloroethane
Concen: 0.349 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

Instrument :
MSVOA_V
ClientSampleId :

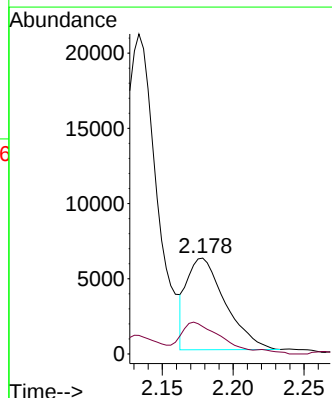
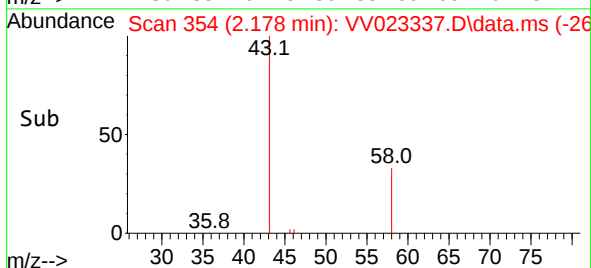
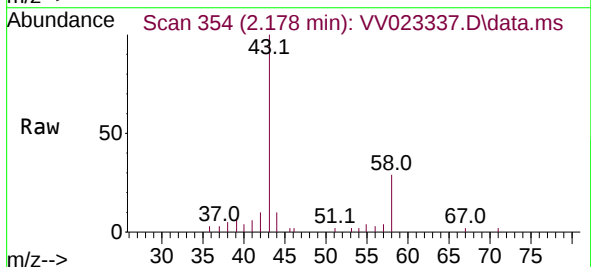


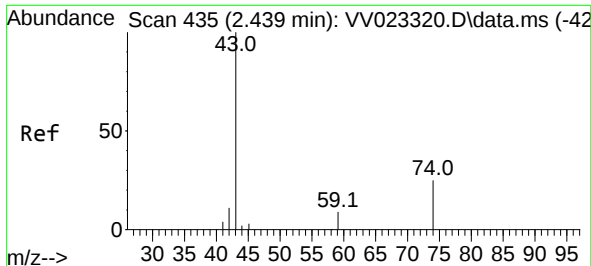
Tgt Ion: 64 Resp: 2256
Ion Ratio Lower Upper
64 100
66 33.4 22.1 41.1



#13
Acetone
Concen: 12.876 ug/L
RT: 2.178 min Scan# 354
Delta R.T. -0.007 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

Tgt Ion: 43 Resp: 11503
Ion Ratio Lower Upper
43 100
58 29.8 0.0 55.4

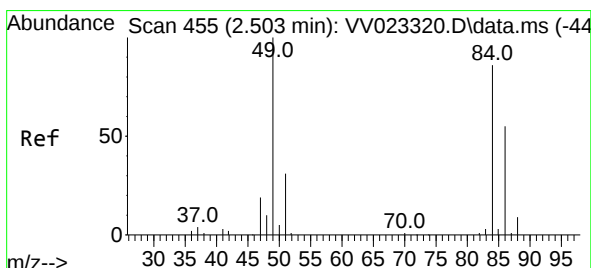
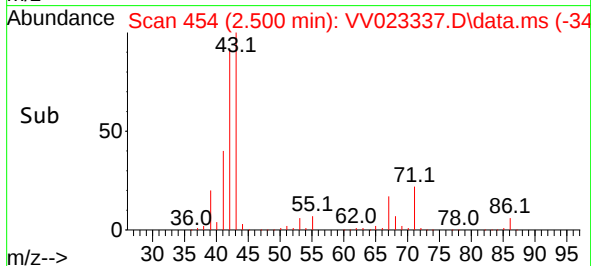
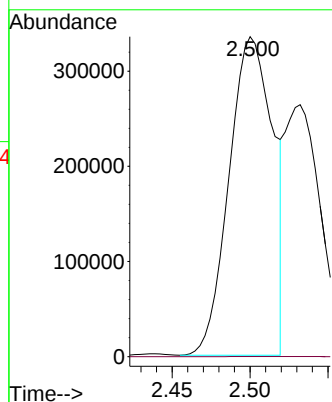
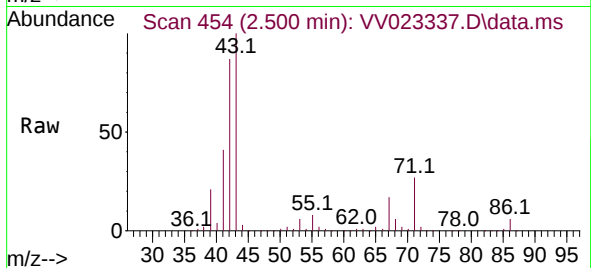




#15
Methyl Acetate
Concen: 259.484 ug/L
RT: 2.500 min Scan# 41
Delta R.T. 0.061 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

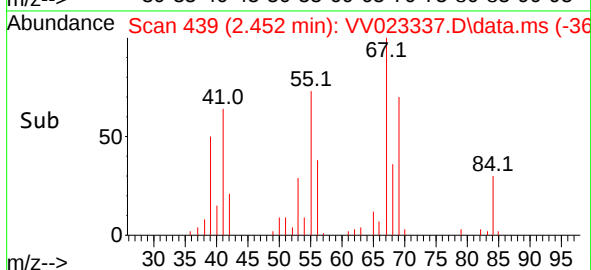
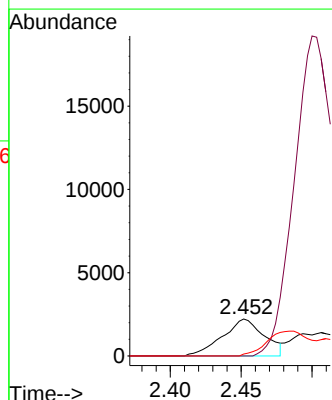
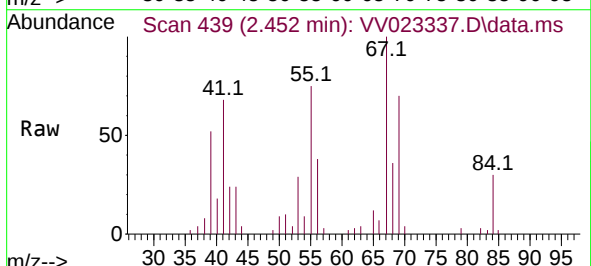
Instrument :
MSVOA_V
ClientSampleId :

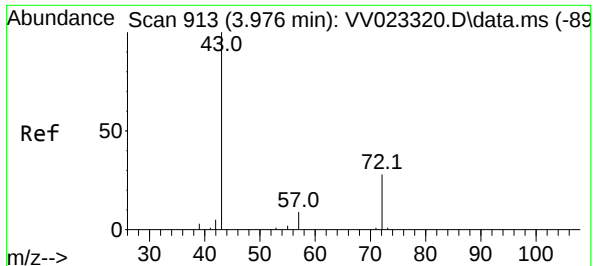
Tgt Ion: 43 Resp: 656066
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



#16
Methylene chloride
Concen: 0.386 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.052 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

Tgt Ion: 84 Resp: 4548
Ion Ratio Lower Upper
84 100
86 0.0 42.3 78.5#
49 5.2 79.7 148.1#





#21

2-Butanone

Concen: 8.606 ug/L

RT: 3.883 min Scan# 81

Delta R.T. -0.093 min

Lab File: VV023337.D

Acq: 10 Nov 2021 17:16

Instrument :

MSVOA_V

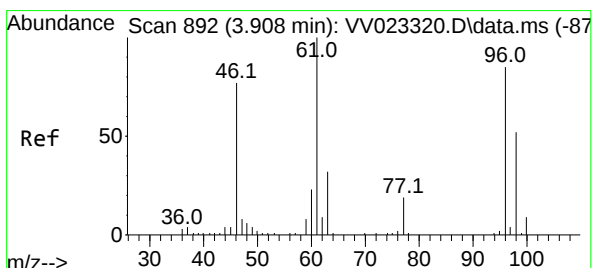
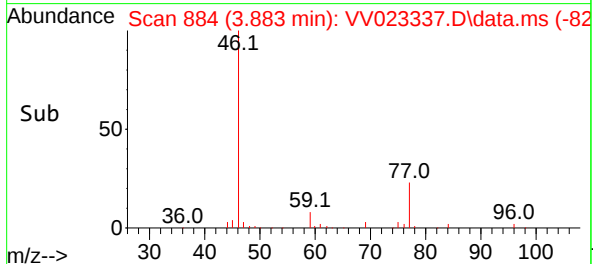
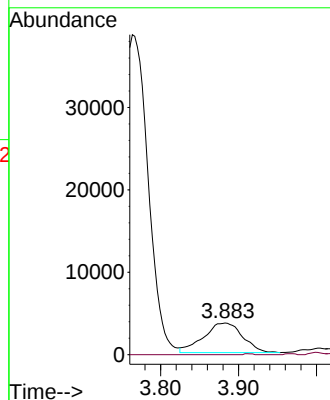
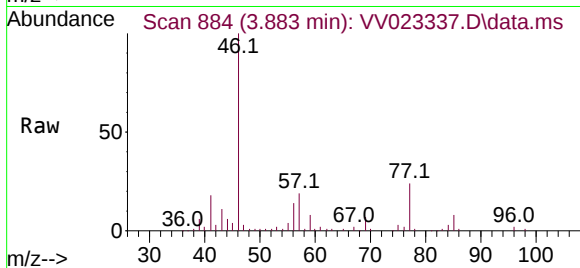
ClientSampleId :

Tgt Ion: 43 Resp: 12430

Ion Ratio Lower Upper

43 100

72 0.7 11.9 35.9#



#22

cis-1,2-Dichloroethene

Concen: 1.810 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.010 min

Lab File: VV023337.D

Acq: 10 Nov 2021 17:16

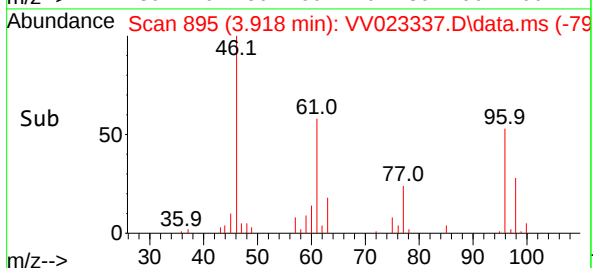
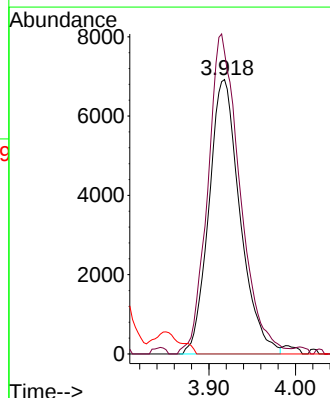
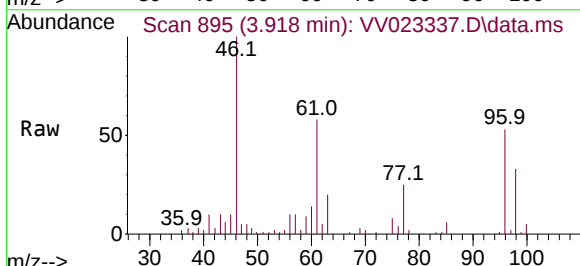
Tgt Ion: 96 Resp: 17298

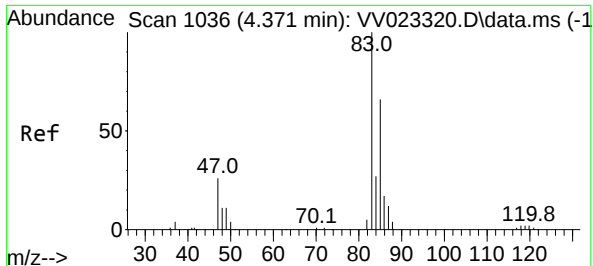
Ion Ratio Lower Upper

96 100

61 110.0 92.3 171.3

68 0.0 0.4 0.8#

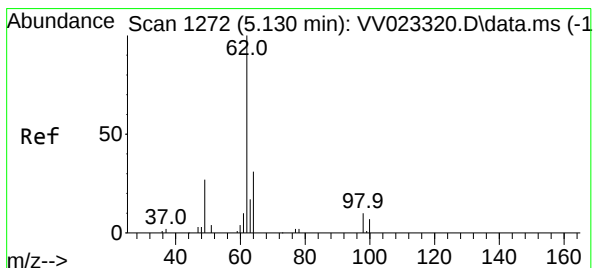
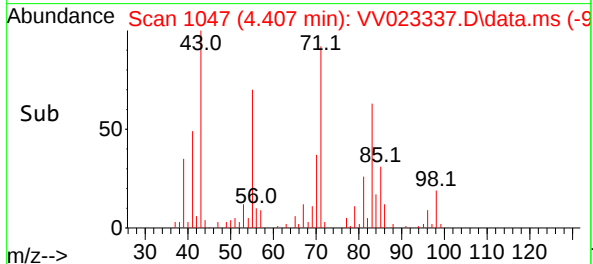
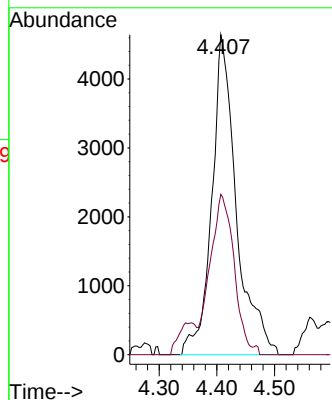
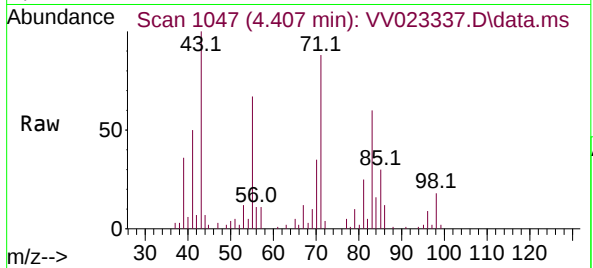




#25
Chloroform
Concen: 0.769 ug/L
RT: 4.407 min Scan# 1036
Delta R.T. 0.035 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

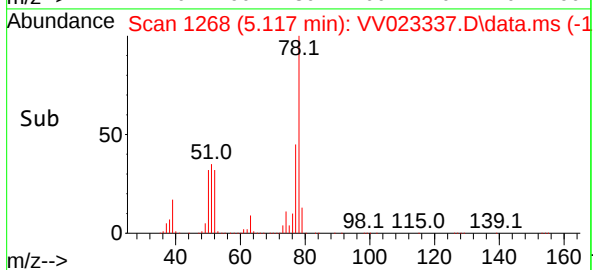
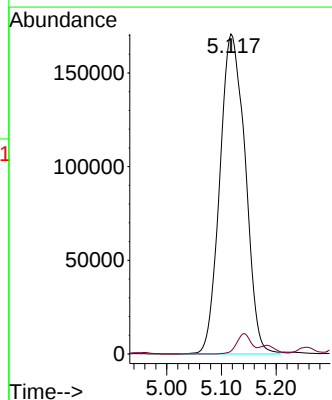
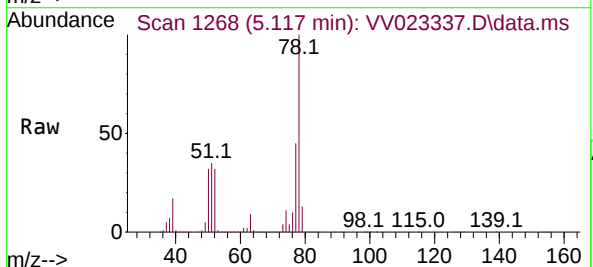
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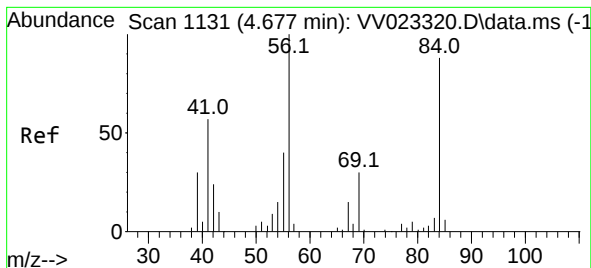
Tgt Ion: 83 Resp: 13738
Ion Ratio Lower Upper
83 100
85 50.1 46.8 86.8



#27
1,2-Dichloroethane
Concen: 57.867 ug/L
RT: 5.117 min Scan# 1268
Delta R.T. -0.013 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

Tgt Ion: 62 Resp: 550085
Ion Ratio Lower Upper
62 100
98 0.9 8.2 12.4#





#30

Cyclohexane

Concen: 55.047 ug/L

RT: 4.680 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VV023337.D

Acq: 10 Nov 2021 17:16

Instrument :

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ClientSampleId :

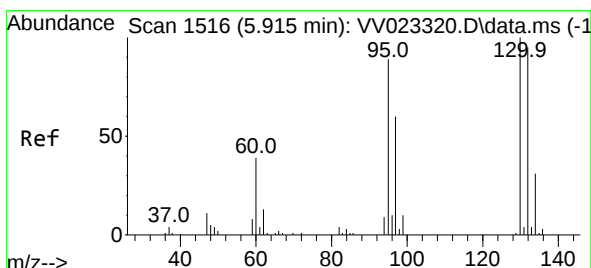
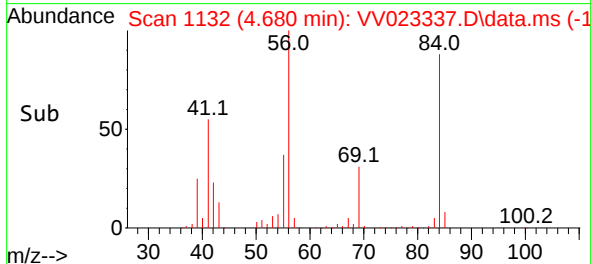
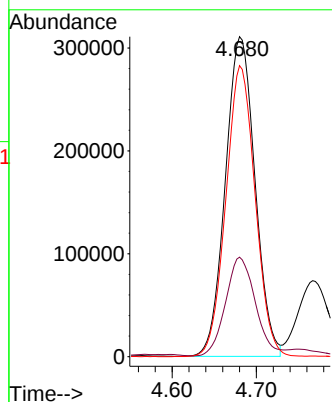
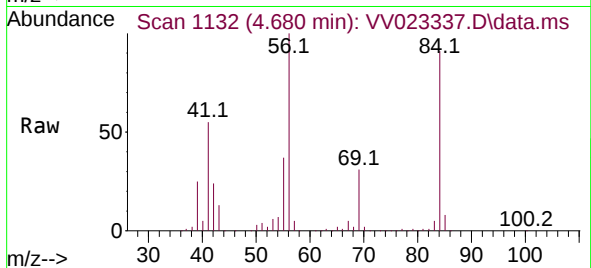
Tgt Ion: 56 Resp: 759038

Ion Ratio Lower Upper

56 100

69 31.0 23.5 35.3

84 90.1 71.6 107.4



#34

Trichloroethene

Concen: 0.160 ug/L

RT: 5.944 min Scan# 1525

Delta R.T. 0.029 min

Lab File: VV023337.D

Acq: 10 Nov 2021 17:16

Tgt Ion: 95 Resp: 1505

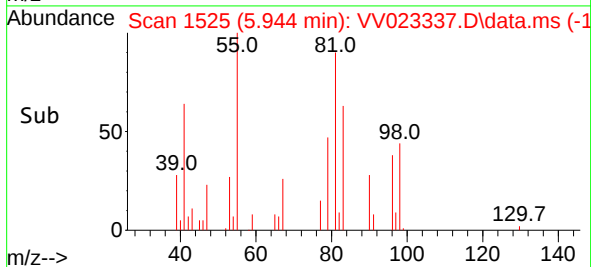
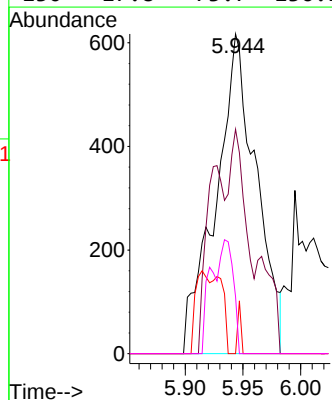
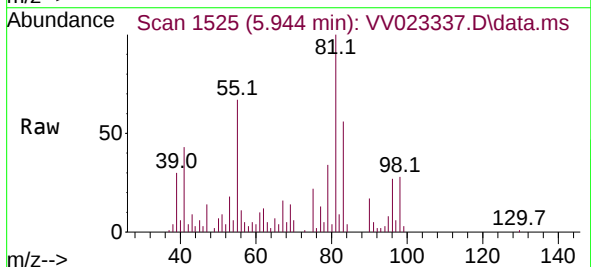
Ion Ratio Lower Upper

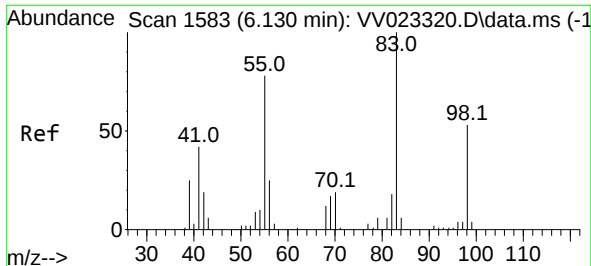
95 100

97 70.2 45.0 83.6

132 0.0 69.7 129.4#

130 17.8 73.7 136.9#

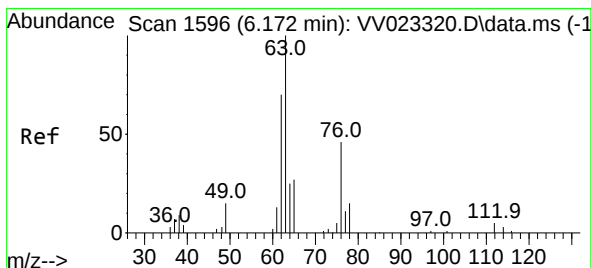
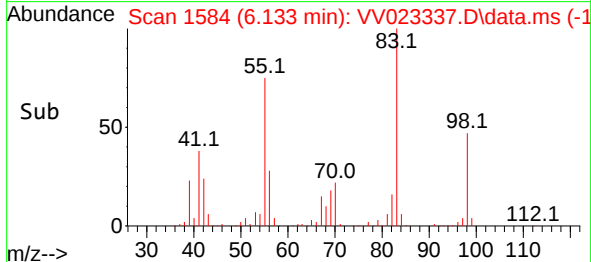
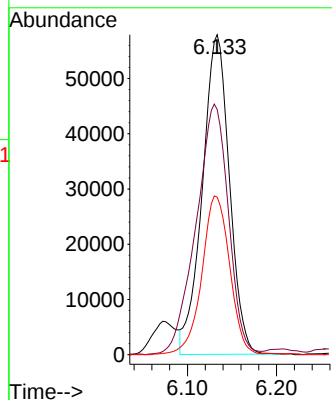
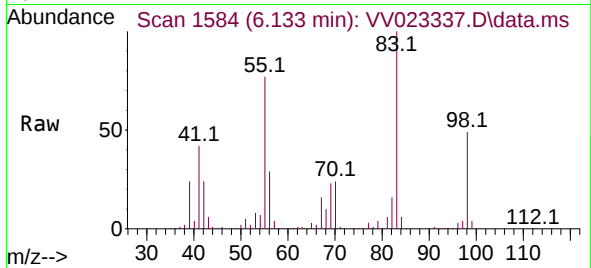




#35
Methylcyclohexane
Concen: 8.210 ug/L
RT: 6.133 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

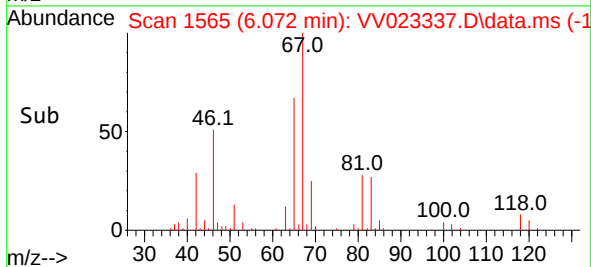
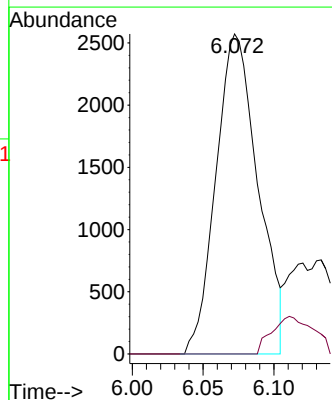
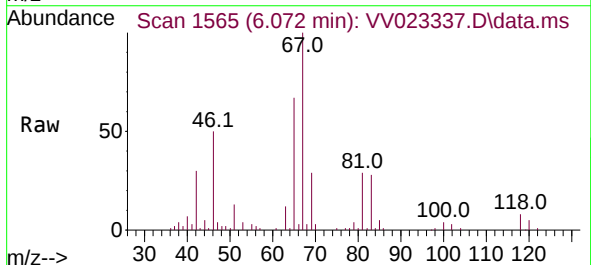
Instrument :
MSVOA_V
ClientSampleId :

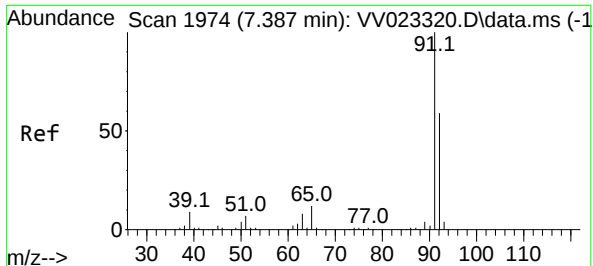
Tgt Ion: 83 Resp: 122038
Ion Ratio Lower Upper
83 100
55 94.1 62.8 94.2
98 51.2 37.9 56.9



#37
1,2-Dichloropropane
Concen: 0.643 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.100 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

Tgt Ion: 63 Resp: 5315
Ion Ratio Lower Upper
63 100
112 11.5 4.6 6.8#

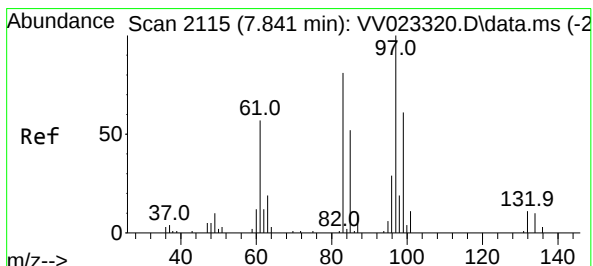
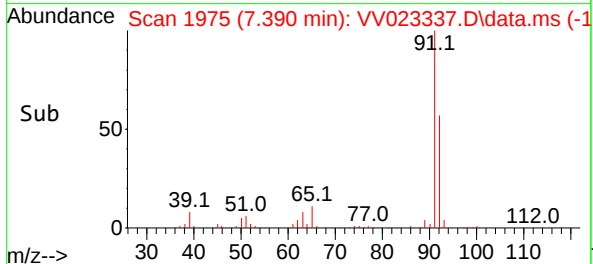
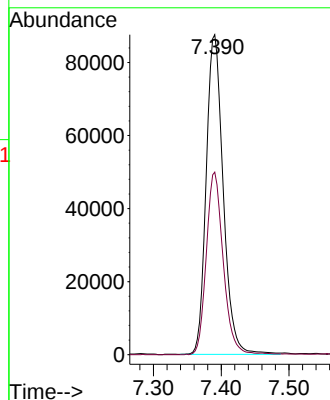
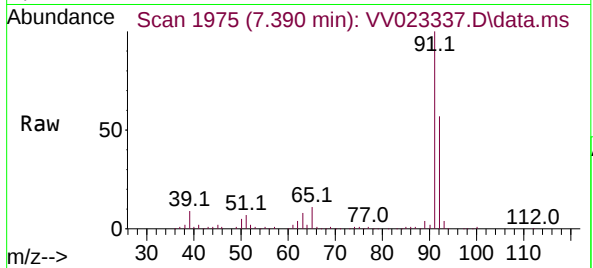




#42
Toluene
Concen: 4.031 ug/L
RT: 7.390 min Scan# 1974
Delta R.T. 0.003 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

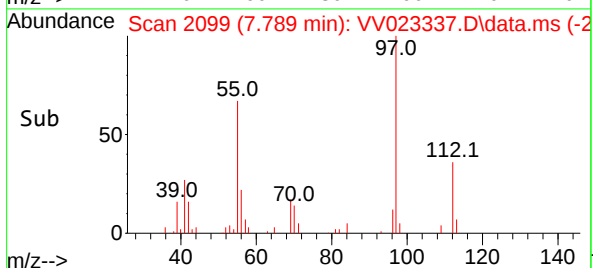
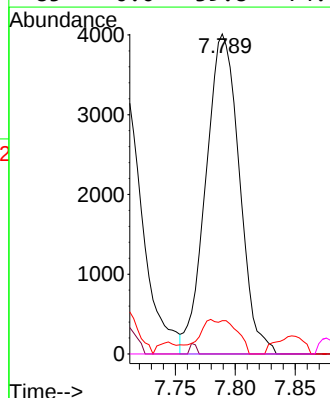
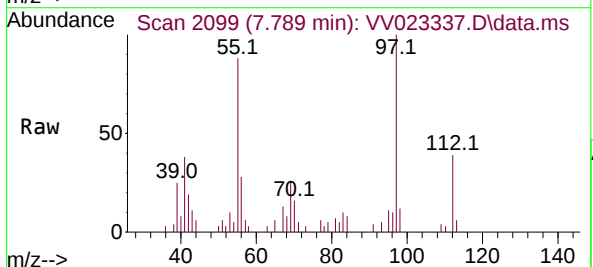
Instrument :
MSVOA_V
ClientSampleId :

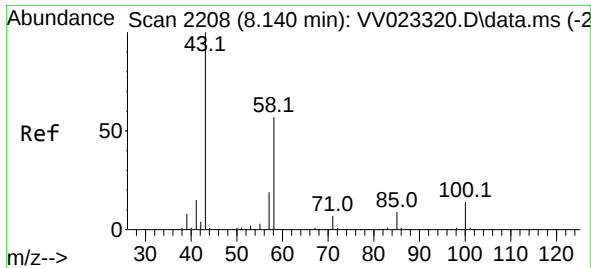
Tgt Ion: 91 Resp: 152683
Ion Ratio Lower Upper
91 100
92 57.0 39.3 72.9



#45
1,1,2-Trichloroethane
Concen: 1.311 ug/L
RT: 7.789 min Scan# 2099
Delta R.T. -0.052 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

Tgt Ion: 97 Resp: 7786
Ion Ratio Lower Upper
97 100
99 0.0 43.6 81.0#
83 10.4 58.4 108.4#
85 0.0 39.8 74.0#

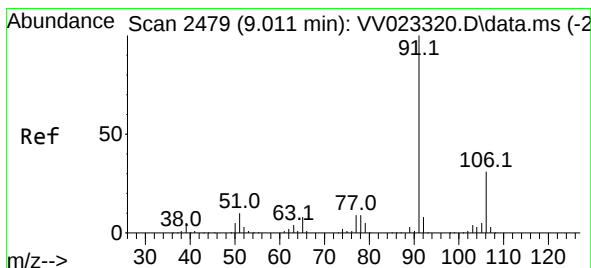
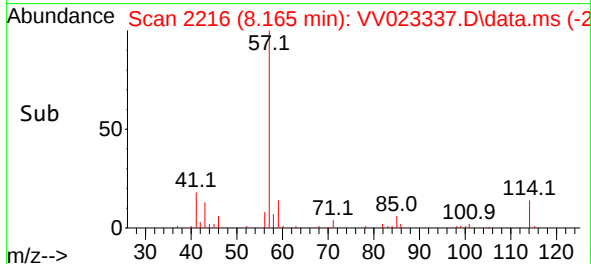
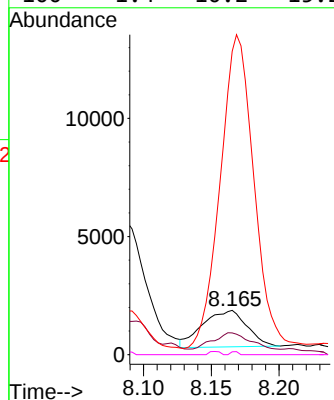
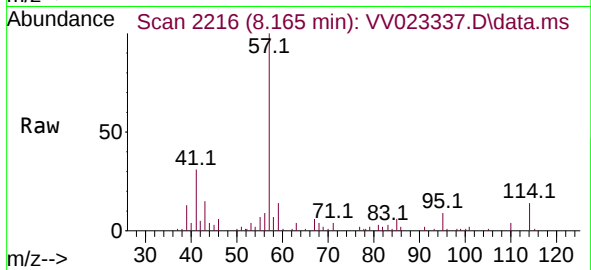




#48
2-Hexanone
Concen: 1.306 ug/L
RT: 8.165 min Scan# 21
Delta R.T. 0.026 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

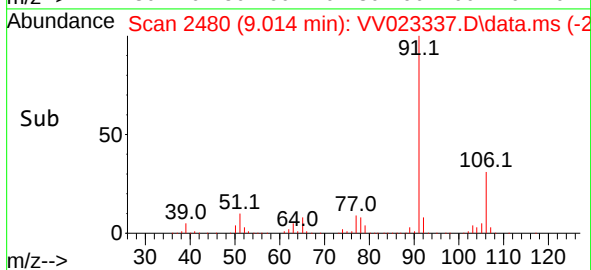
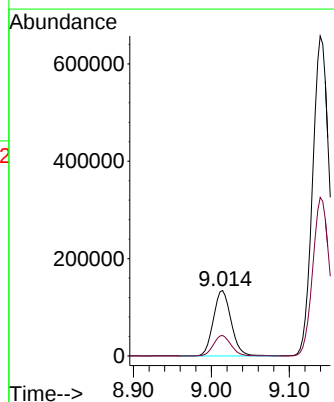
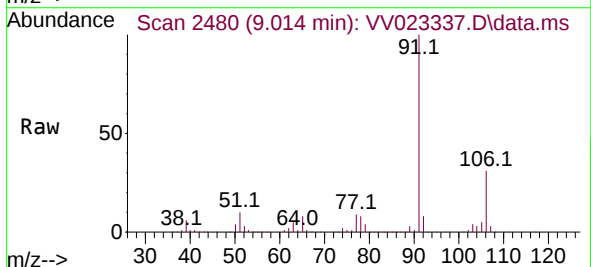
Instrument :
MSVOA_V
ClientSampleId :

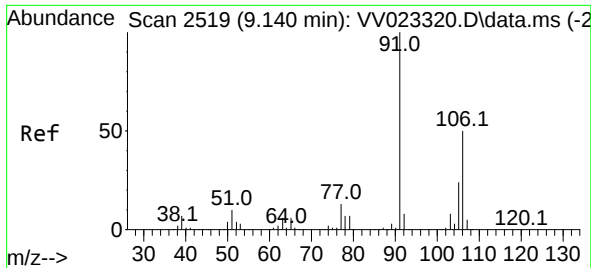
Tgt Ion: 43 Resp: 3510
Ion Ratio Lower Upper
43 100
58 36.1 43.7 65.5#
57 655.1 14.1 21.1#
100 1.4 10.2 15.2#



#52
Ethylbenzene
Concen: 5.322 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

Tgt Ion: 91 Resp: 212613
Ion Ratio Lower Upper
91 100
106 31.2 22.5 41.9

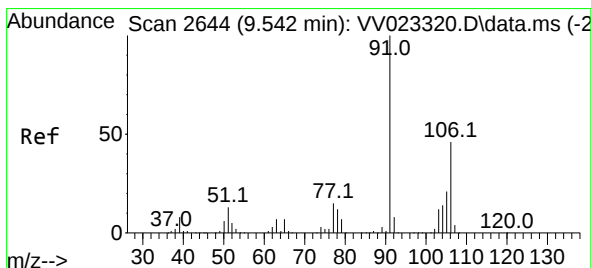
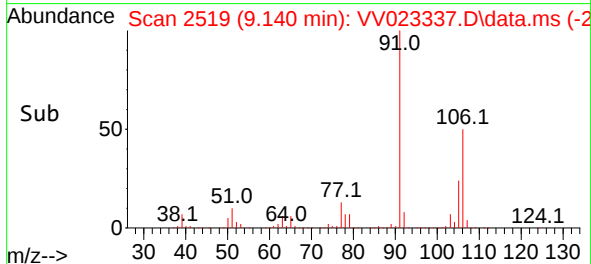
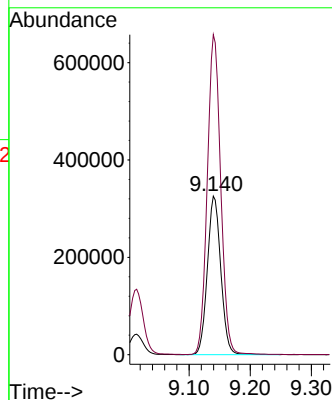
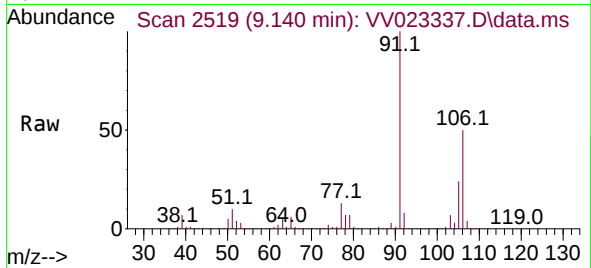




#53
m,p-xylene
Concen: 31.607 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. -0.000 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

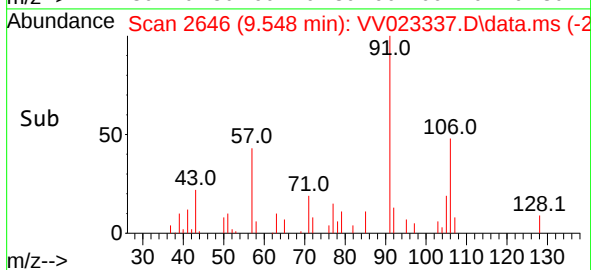
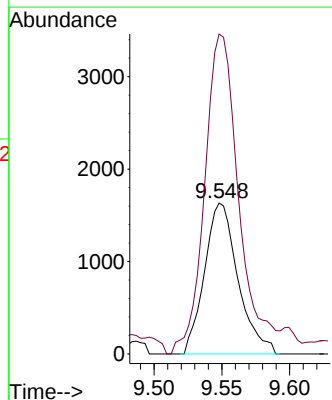
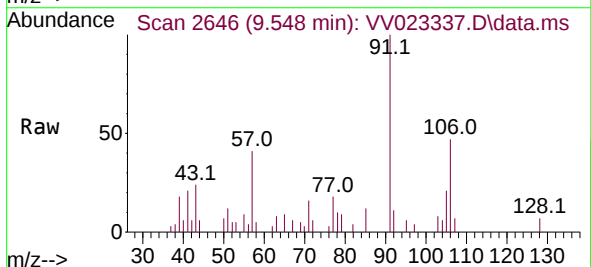
Instrument :
MSVOA_V
ClientSampleId :

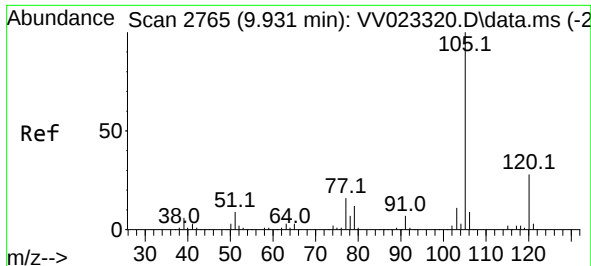
Tgt Ion:106 Resp: 495542
Ion Ratio Lower Upper
106 100
91 201.9 137.2 254.8



#54
o-xylene
Concen: 0.191 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

Tgt Ion:106 Resp: 2803
Ion Ratio Lower Upper
106 100
91 212.0 148.3 275.5

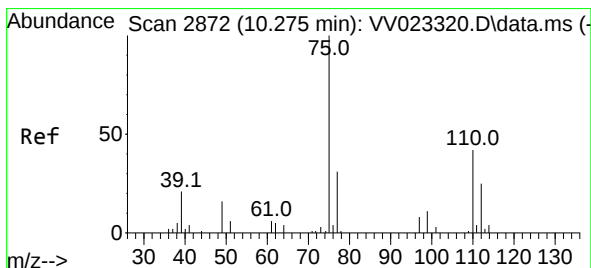
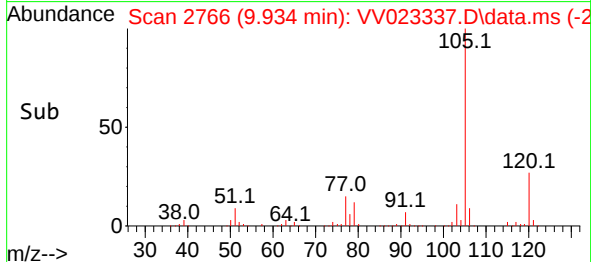
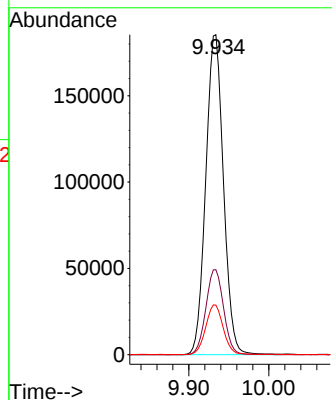
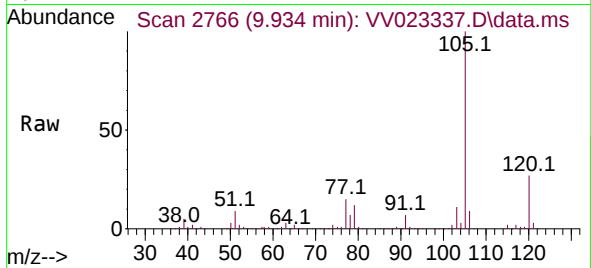




#60
Isopropylbenzene
Concen: 7.150 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

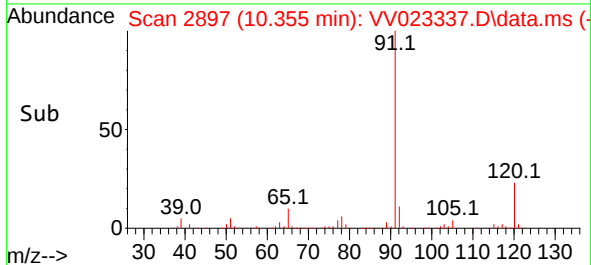
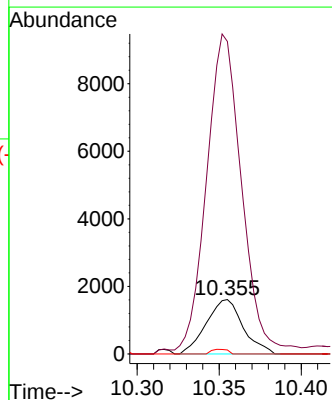
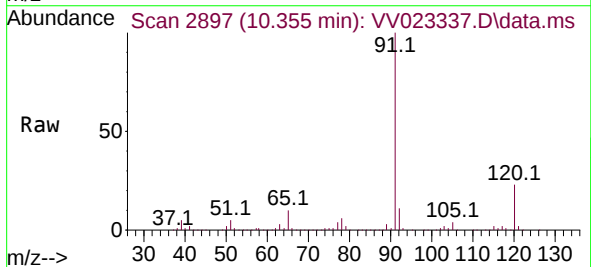
Instrument :
MSVOA_V
ClientSampleId :

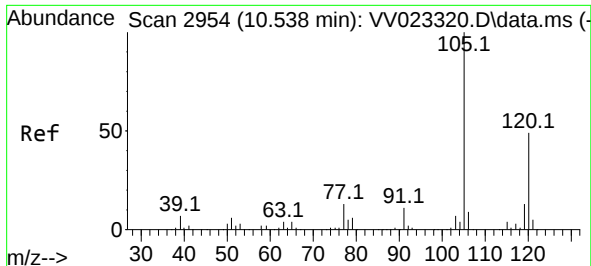
Tgt Ion:105 Resp: 285646
Ion Ratio Lower Upper
105 100
120 26.7 21.7 32.5
77 15.6 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 0.543 ug/L
RT: 10.355 min Scan# 2897
Delta R.T. 0.080 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

Tgt Ion: 75 Resp: 2510
Ion Ratio Lower Upper
75 100
77 568.0 26.6 39.8#
110 3.8 31.8 47.6#





#62

1,3,5-Trimethylbenzene

Concen: 1.353 ug/L

RT: 10.541 min Scan# 2954

Delta R.T. 0.003 min

Lab File: VV023337.D

Acq: 10 Nov 2021 17:16

Instrument :

MSVOA_V

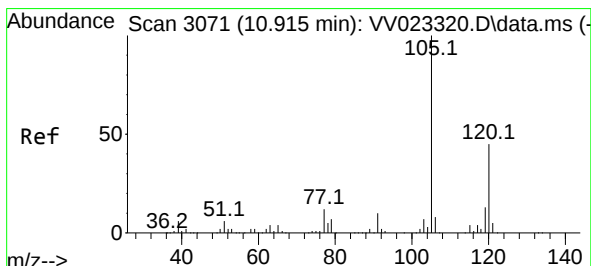
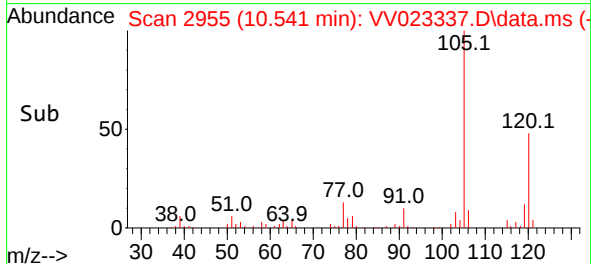
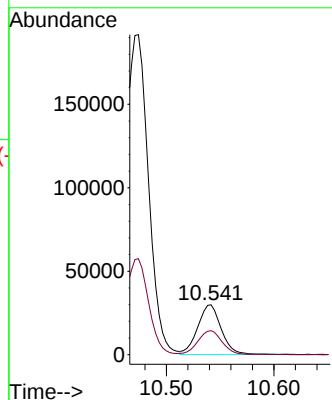
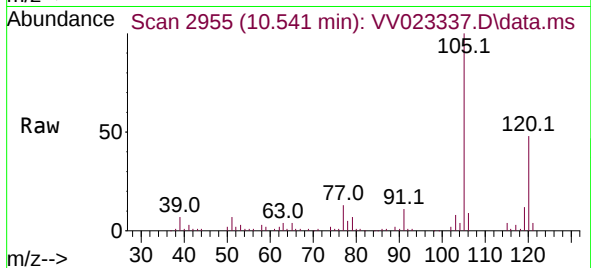
ClientSampleId :

Tgt Ion:105 Resp: 44802

Ion Ratio Lower Upper

105 100

120 49.7 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 7.683 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. -0.000 min

Lab File: VV023337.D

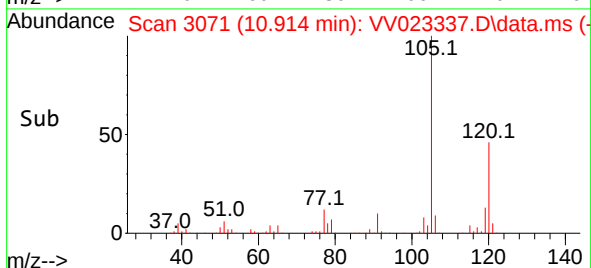
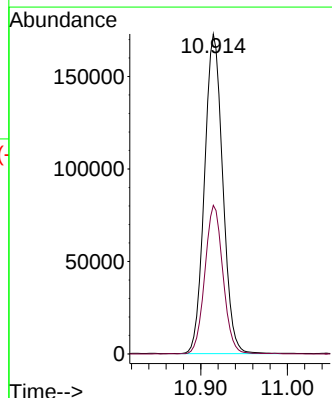
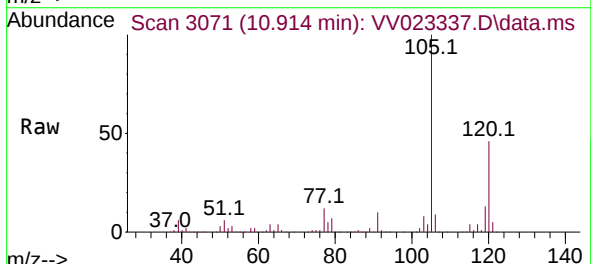
Acq: 10 Nov 2021 17:16

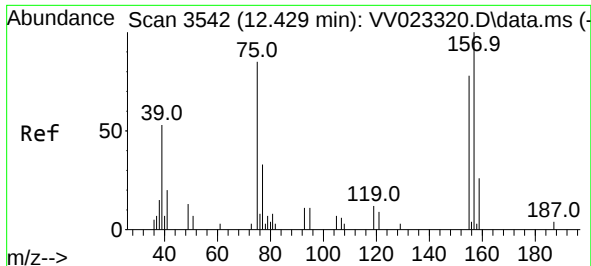
Tgt Ion:105 Resp: 253291

Ion Ratio Lower Upper

105 100

120 45.9 37.4 56.2

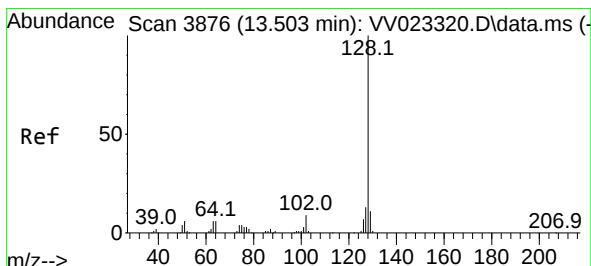
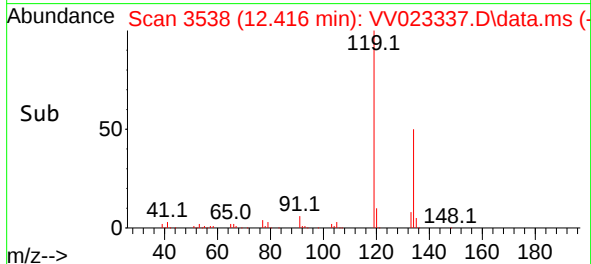
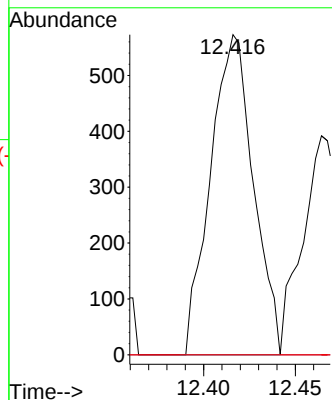
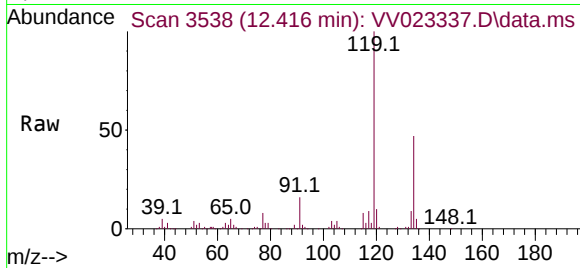




#68
1,2-Dibromo-3-chloropropane
Concen: 0.948 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. -0.013 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 934
Ion Ratio Lower Upper
75 100
155 0.0 67.7 101.5#
157 0.0 87.9 131.9#



#71
Naphthalene
Concen: 0.917 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV023337.D
Acq: 10 Nov 2021 17:16

Tgt Ion: 128 Resp: 17303
Ion Ratio Lower Upper
128 100
129 11.8 8.6 13.0
127 14.4 10.5 15.7

