

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120721\
 Data File : VW023813.D
 Acq On : 07 Dec 2021 11:17
 Operator : SY/MD
 Sample : M4879-07DL 100X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 08 01:14:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	136797	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	127493	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	70239	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	53635	4.776	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.600%
7) Chloroethane-d5	1.564	69	39943	4.525	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.105	63	70455	3.560	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.200%
20) 2-Butanone-d5	3.918	46	81684	60.506	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.020%
24) Chloroform-d	4.349	84	94799	4.848	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.031	65	45651	4.997	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	5.050	84	188494	5.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.600%
36) 1,2-Dichloropropane-d6	6.069	67	54791	5.627	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.600%
41) Toluene-d8	7.317	98	171141	5.274	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
43) trans-1,3-Dichloroprop...	7.625	79	20423	5.204	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.000%
46) 2-Hexanone-d5	8.091	63	86656	66.457	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.920%#
56) 1,1,2,2-Tetrachloroeth...	10.217	84	36314	5.183	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	69841	5.624	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.400%
Target Compounds						
					Qvalue	
6) Bromomethane	1.523	94	301	0.045	ug/L #	66
13) Acetone	2.130	43	3293	2.711	ug/L	66
15) Methyl Acetate	2.429	43	3968	1.439	ug/L #	50
18) trans-1,2-Dichloroethene	2.764	96	2133	0.204	ug/L	96
22) cis-1,2-Dichloroethene	3.912	96	23985	2.396	ug/L	97
25) Chloroform	4.404	83	12677	0.648	ug/L #	28
30) Cyclohexane	4.674	56	49857	3.586	ug/L	98
34) Trichloroethene	5.912	95	90327	9.277	ug/L	97
35) Methylcyclohexane	6.130	83	19084	1.257	ug/L	96
37) 1,2-Dichloropropane	6.072	63	6340	0.734	ug/L #	84
38) Bromodichloromethane	6.564	83	2117	0.181	ug/L #	27
42) Toluene	7.397	91	6169	0.157	ug/L	99
45) 1,1,2-Trichloroethane	7.786	97	881	0.147	ug/L #	16
47) Tetrachloroethene	7.976	164	234088	26.414	ug/L	99
49) Dibromochloromethane	7.976	129	208726	25.461	ug/L #	11
52) Ethylbenzene	9.014	91	51892	1.259	ug/L	99
53) m,p-xylene	9.136	106	102750	6.266	ug/L	98
54) o-xylene	9.548	106	12194	0.782	ug/L	95
60) Isopropylbenzene	10.448	105	252297	6.016	ug/L #	92

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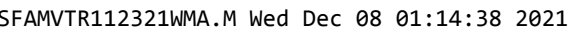
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 MSVOA_V
 ClientSampleId :

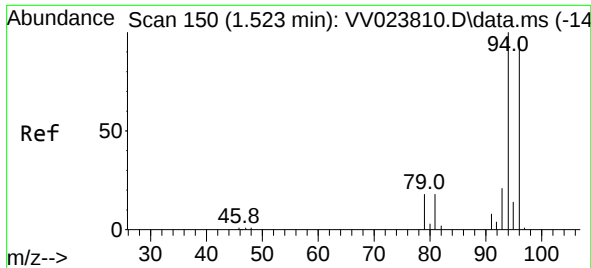
Quant Time: Dec 08 01:14:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.349	75	358	0.072	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.538	105	88387	2.533	ug/L	97
63) 1,2,4-Trimethylbenzene	10.915	105	427838	12.397	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.406	75	207	0.209	ug/L #	1
71) Naphthalene	13.503	128	35064	2.006	ug/L	97

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

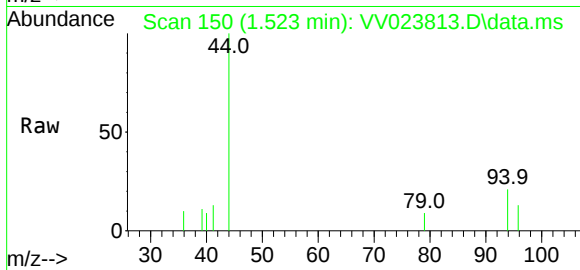
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QLast Update : Thu Dec 02 02:08:23 2021
Response via : Initial Calibration



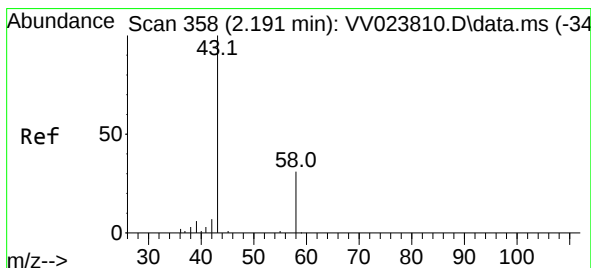
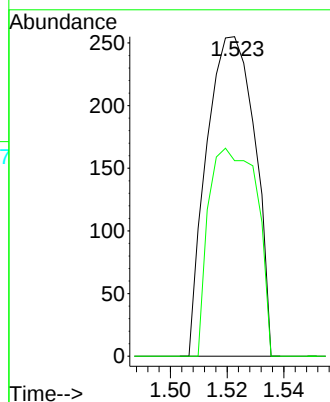
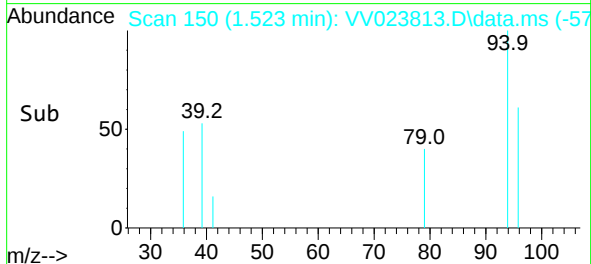


#6
Bromomethane
Concen: 0.045 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

Instrument :
MSVOA_V
ClientSampleId :

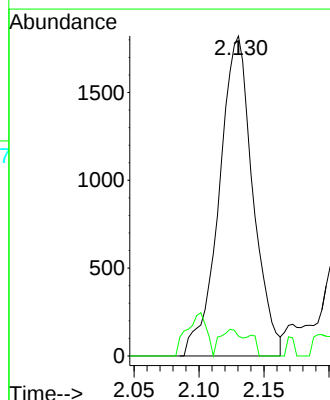
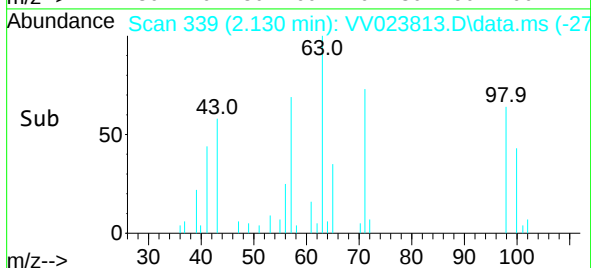
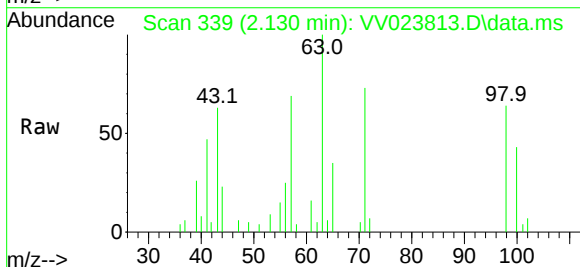


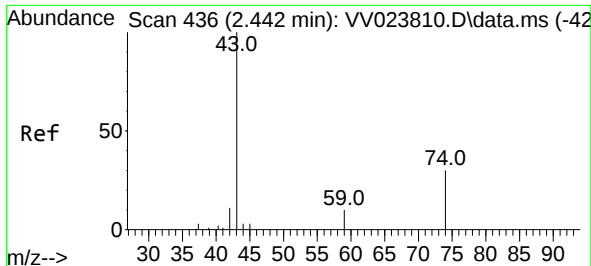
Tgt Ion: 94 Resp: 301
Ion Ratio Lower Upper
94 100
96 61.2 66.2 123.0#



#13
Acetone
Concen: 2.711 ug/L
RT: 2.130 min Scan# 339
Delta R.T. -0.093 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

Tgt Ion: 43 Resp: 3293
Ion Ratio Lower Upper
43 100
58 5.0 0.0 41.4

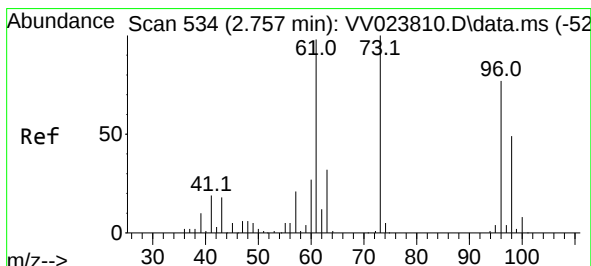
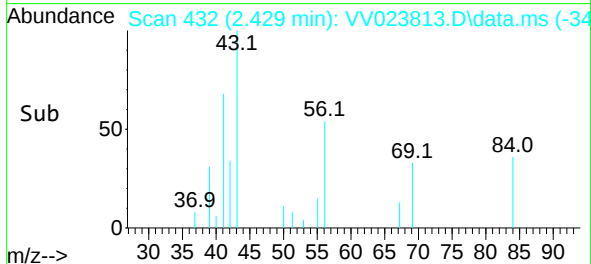
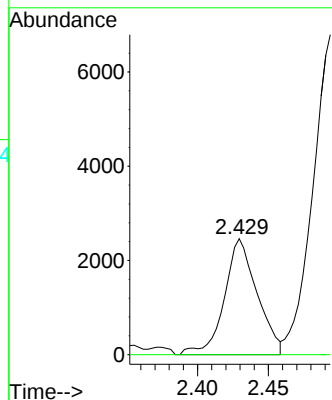
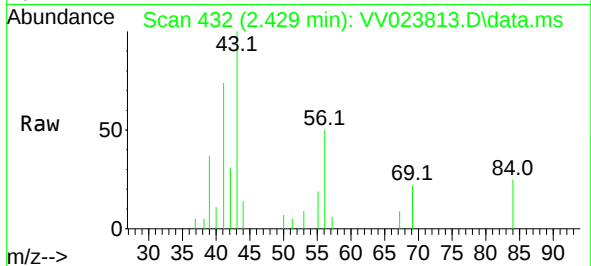




#15
Methyl Acetate
Concen: 1.439 ug/L
RT: 2.429 min Scan# 41
Delta R.T. -0.013 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

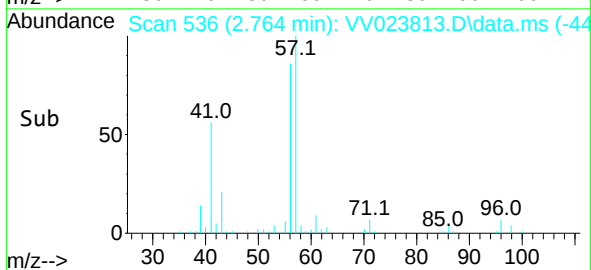
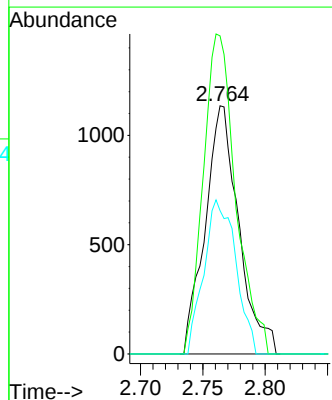
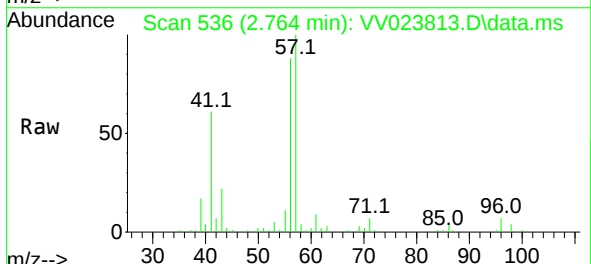
Instrument :
MSVOA_V
ClientSampleId :

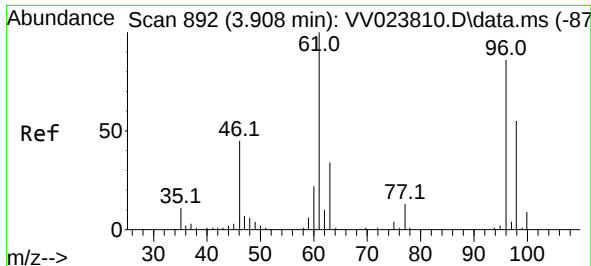
Tgt Ion: 43 Resp: 3968
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#18
trans-1,2-Dichloroethene
Concen: 0.204 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

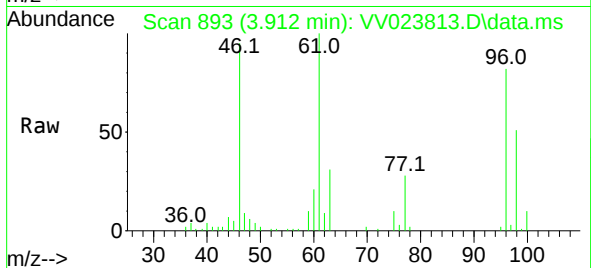
Tgt Ion: 96 Resp: 2133
Ion Ratio Lower Upper
96 100
61 128.2 88.2 163.8
98 57.8 44.9 83.5



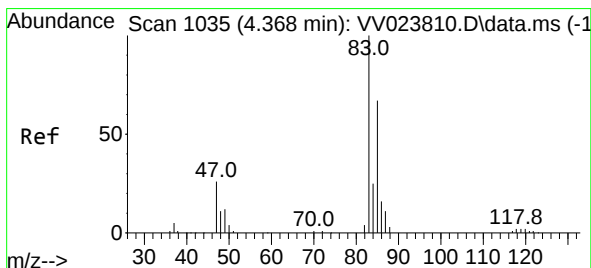
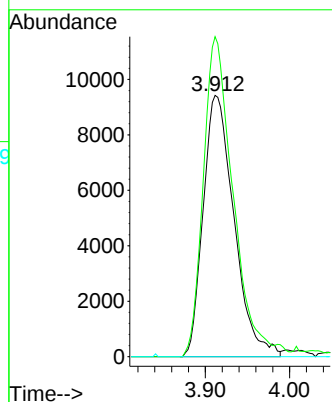
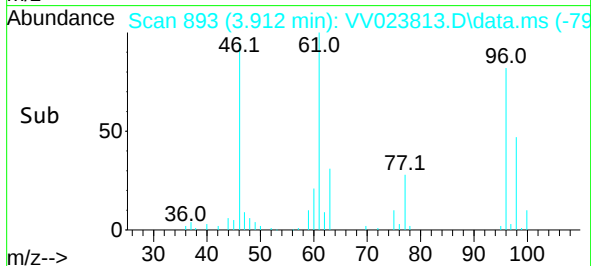


#22
 cis-1,2-Dichloroethene
 Concen: 2.396 ug/L
 RT: 3.912 min Scan# 89
 Delta R.T. 0.003 min
 Lab File: VV023813.D
 Acq: 07 Dec 2021 11:17

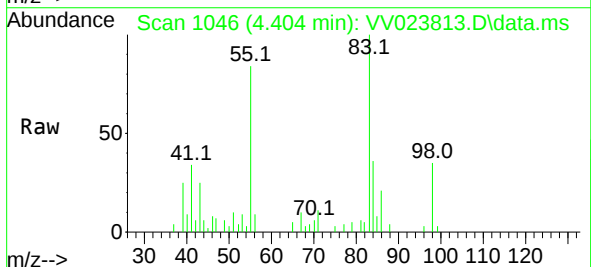
Instrument :
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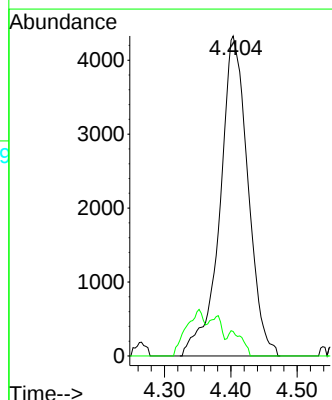
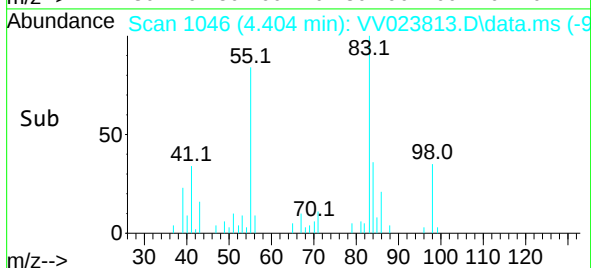
Tgt Ion: 96 Resp: 23985
 Ion Ratio Lower Upper
 96 100
 61 122.5 83.4 154.8
 68 0.0 0.0 0.0

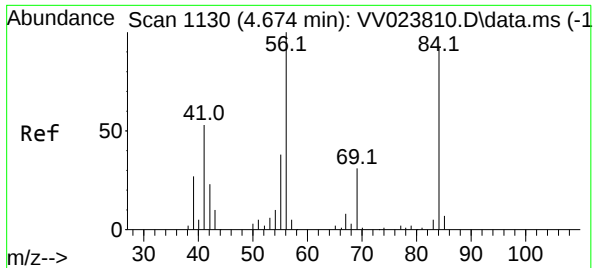


#25
 Chloroform
 Concen: 0.648 ug/L
 RT: 4.404 min Scan# 1046
 Delta R.T. 0.032 min
 Lab File: VV023813.D
 Acq: 07 Dec 2021 11:17



Tgt Ion: 83 Resp: 12677
 Ion Ratio Lower Upper
 83 100
 85 7.6 45.2 84.0#

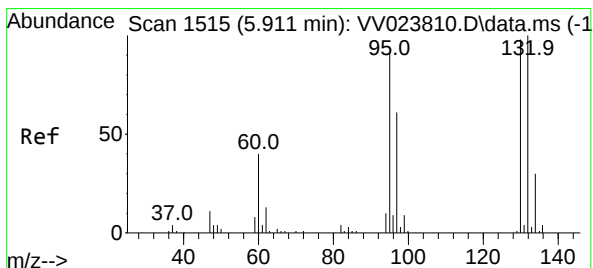
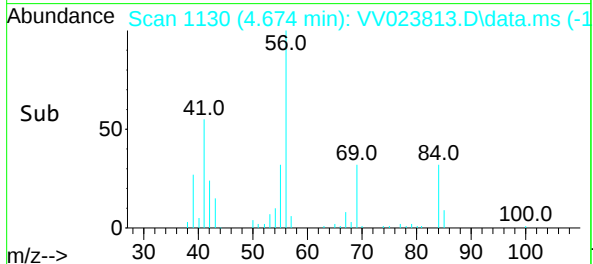
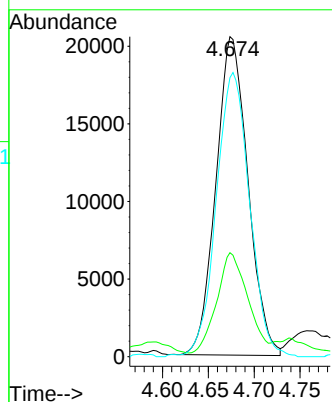
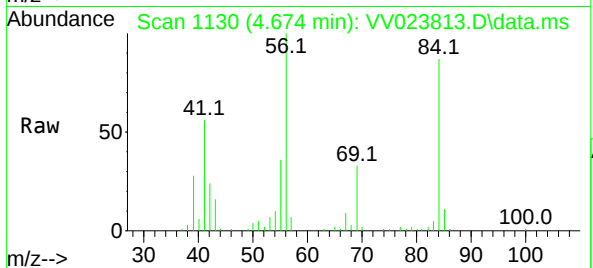




#30
Cyclohexane
Concen: 3.586 ug/L
RT: 4.674 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

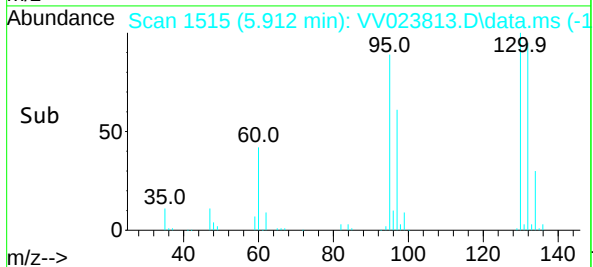
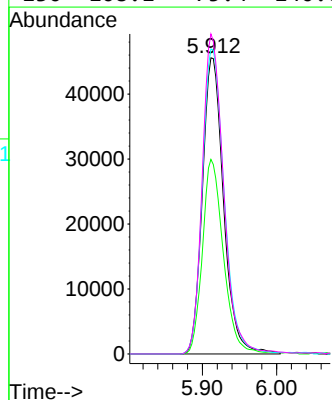
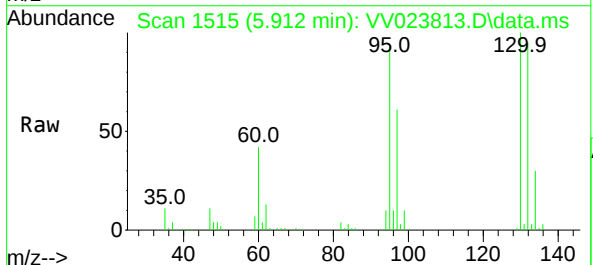
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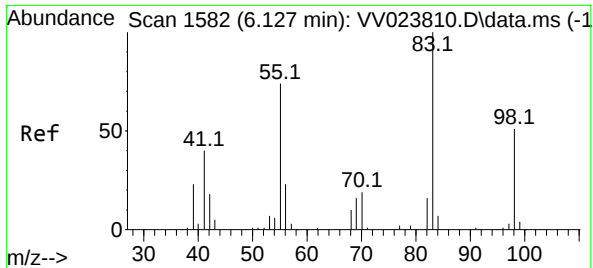
Tgt Ion: 56 Resp: 49857
Ion Ratio Lower Upper
56 100
69 32.6 24.8 37.2
84 92.7 75.9 113.9



#34
Trichloroethene
Concen: 9.277 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

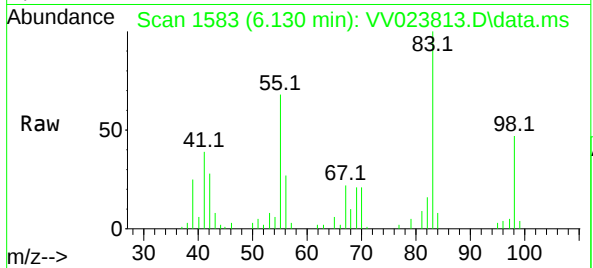
Tgt Ion: 95 Resp: 90327
Ion Ratio Lower Upper
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97 65.7 45.2 84.0
132 103.0 76.1 141.3
130 108.1 75.4 140.0



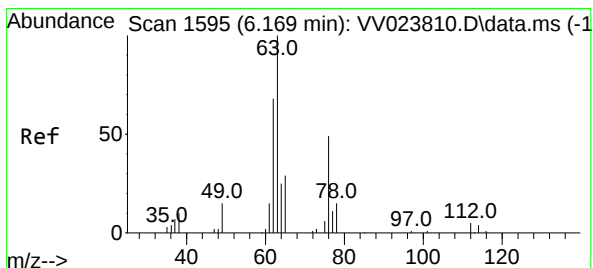
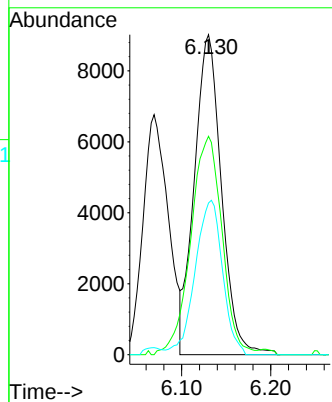
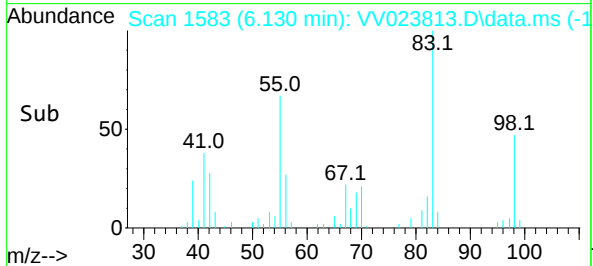


#35
Methylcyclohexane
Concen: 1.257 ug/L
RT: 6.130 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

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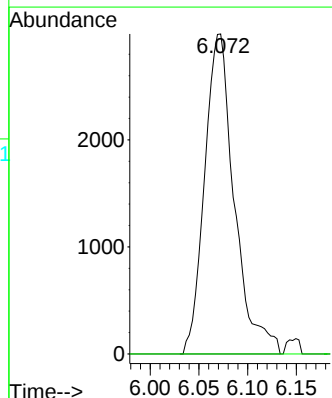
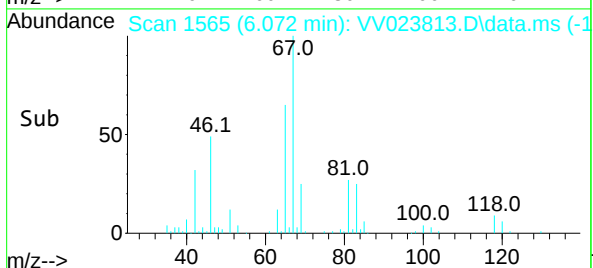
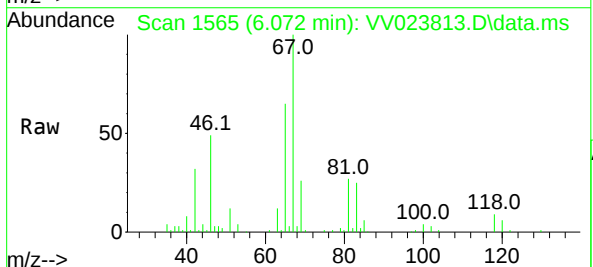


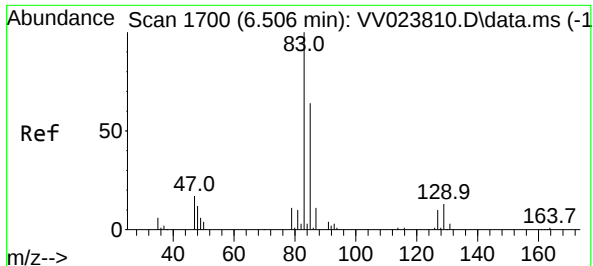
Tgt Ion: 83 Resp: 19084
Ion Ratio Lower Upper
83 100
55 78.7 60.2 90.2
98 48.6 41.0 61.4



#37
1,2-Dichloropropane
Concen: 0.734 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.096 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

Tgt Ion: 63 Resp: 6340
Ion Ratio Lower Upper
63 100
112 0.0 4.3 6.5#





#38

Bromodichloromethane

Concen: 0.181 ug/L

RT: 6.564 min Scan# 1

Delta R.T. 0.058 min

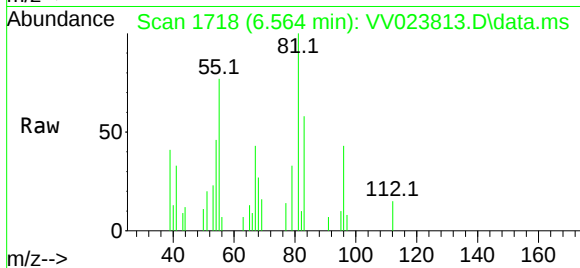
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Instrument :

MSVOA_V

ClientSampleId :



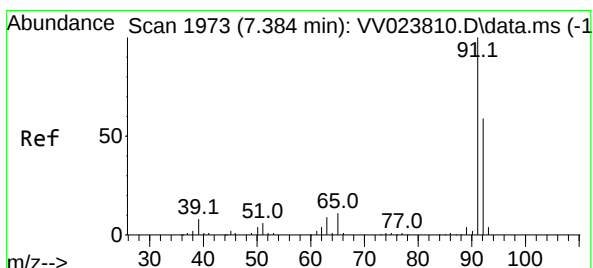
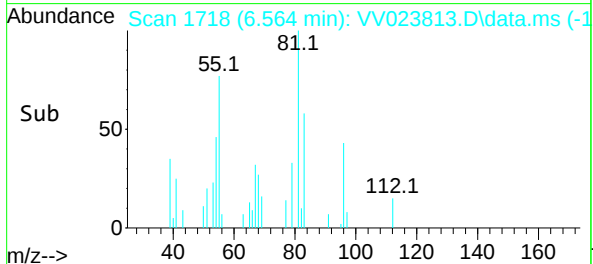
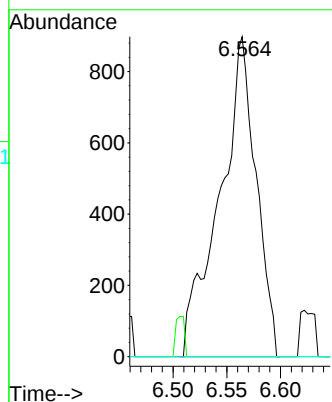
Tgt Ion: 83 Resp: 2117

Ion Ratio Lower Upper

83 100

85 0.0 44.0 81.8#

127 0.0 8.6 12.8#



#42

Toluene

Concen: 0.157 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.013 min

Lab File: VV023813.D

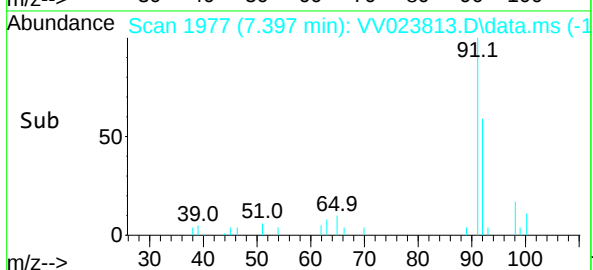
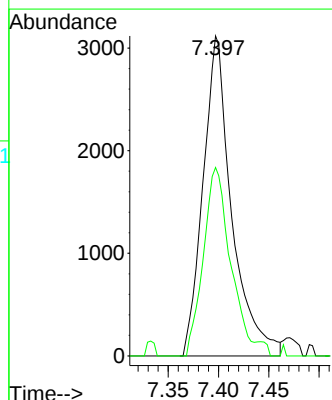
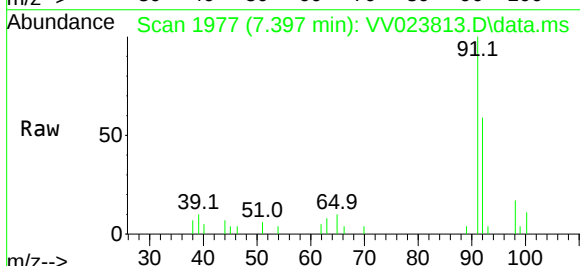
Acq: 07 Dec 2021 11:17

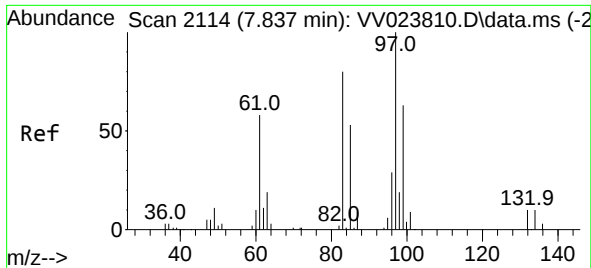
Tgt Ion: 91 Resp: 6169

Ion Ratio Lower Upper

91 100

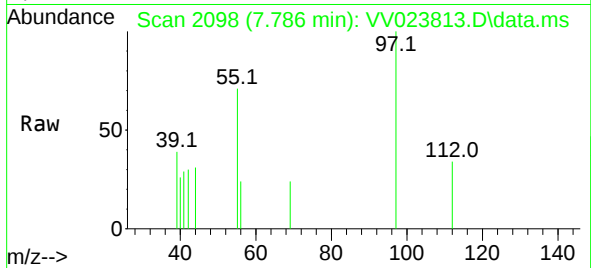
92 58.9 41.5 77.1



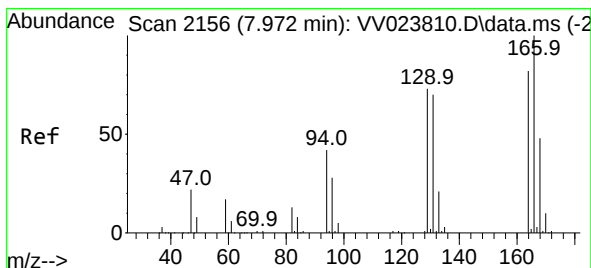
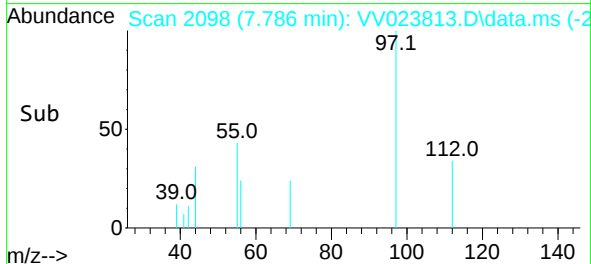
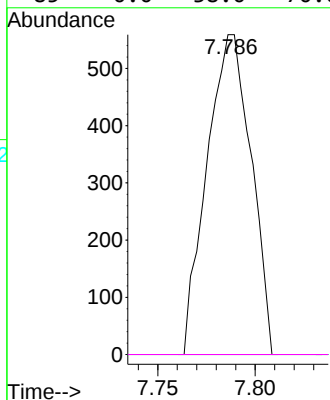


#45
1,1,2-Trichloroethane
Concen: 0.147 ug/L
RT: 7.786 min Scan# 2098
Delta R.T. -0.051 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

Instrument :
MSVOA_V
ClientSampleId :

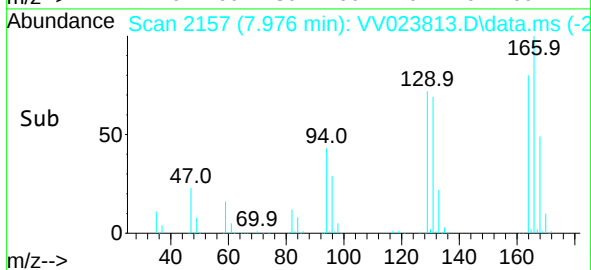
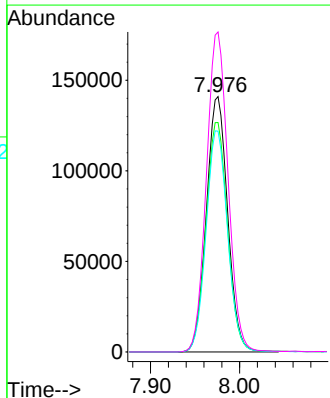
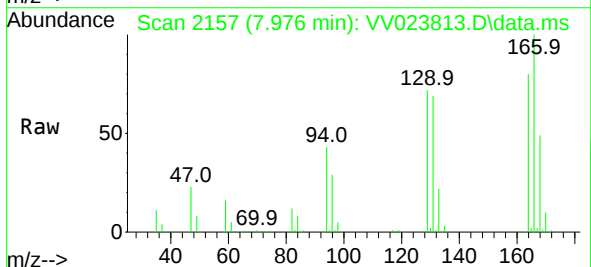


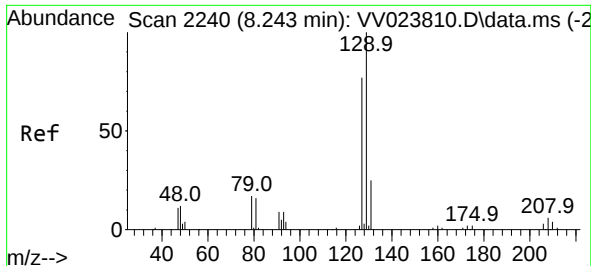
Tgt Ion: 97 Resp: 881
Ion Ratio Lower Upper
97 100
99 0.0 43.1 80.1#
83 0.0 57.9 107.5#
85 0.0 38.0 70.6#



#47
Tetrachloroethene
Concen: 26.414 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

Tgt Ion: 164 Resp: 234088
Ion Ratio Lower Upper
164 100
129 89.8 62.6 116.2
131 86.4 61.0 113.4
166 125.3 87.3 162.1





#49

Dibromochloromethane

Concen: 25.461 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV023813.D

Acq: 07 Dec 2021 11:17

Instrument :

MSVOA_V

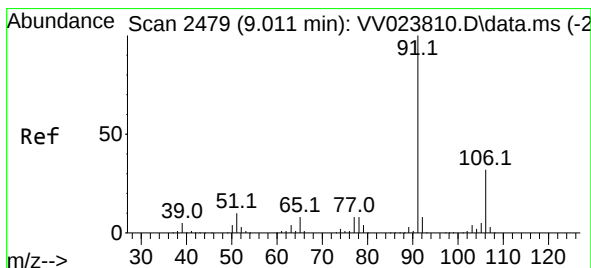
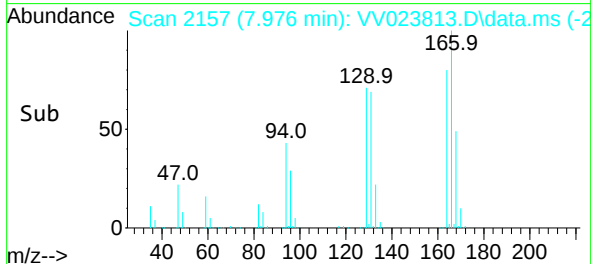
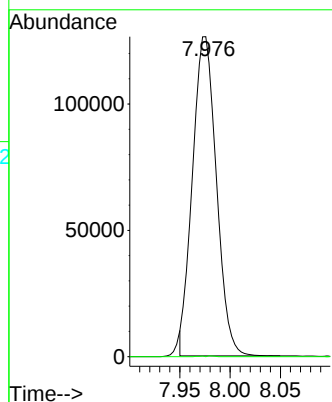
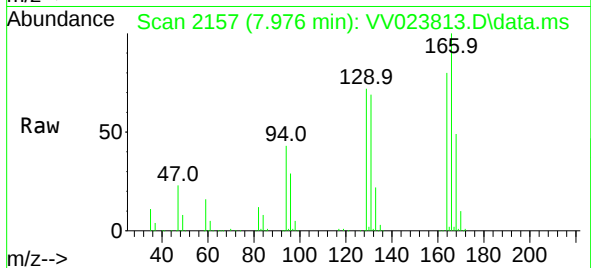
ClientSampleId :

Tgt Ion:129 Resp: 208726

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#52

Ethylbenzene

Concen: 1.259 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. 0.003 min

Lab File: VV023813.D

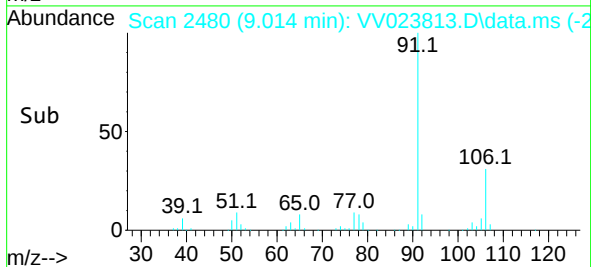
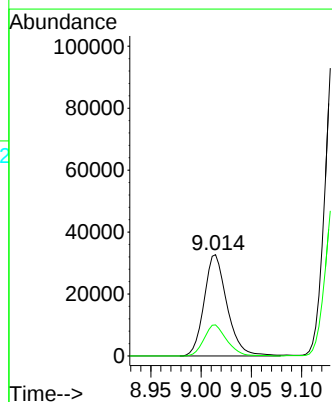
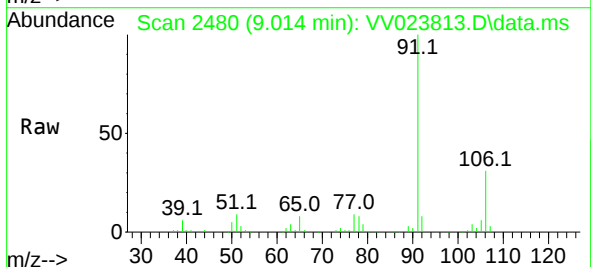
Acq: 07 Dec 2021 11:17

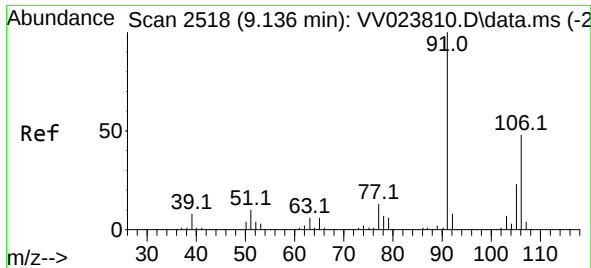
Tgt Ion: 91 Resp: 51892

Ion Ratio Lower Upper

91 100

106 30.7 22.0 41.0

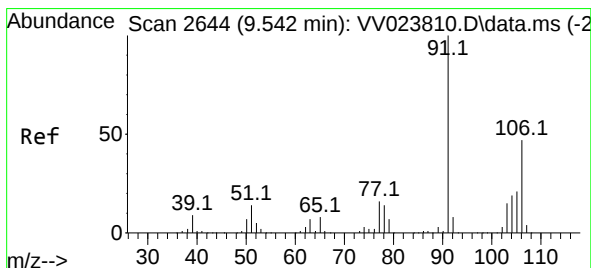
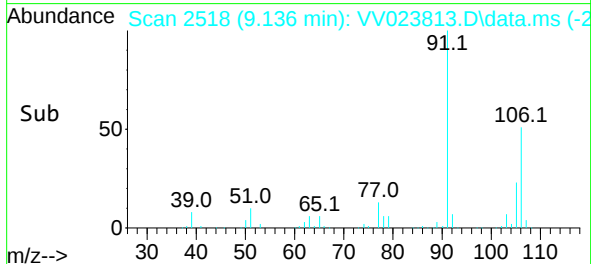
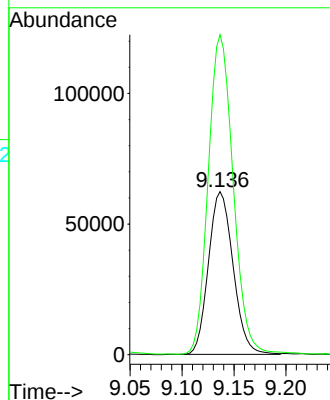
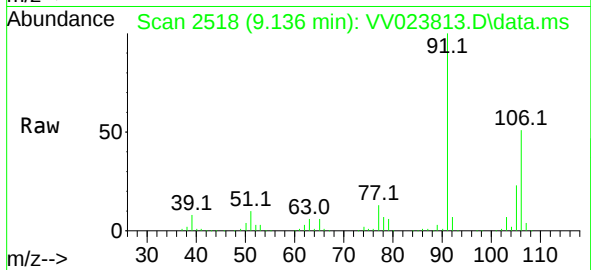




#53
m,p-xylene
Concen: 6.266 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

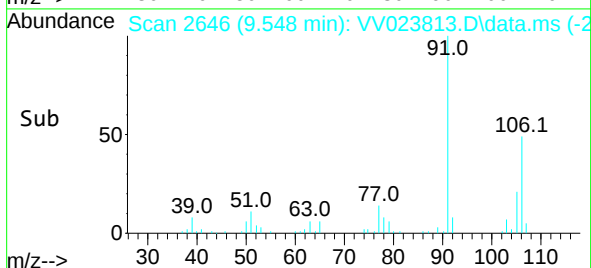
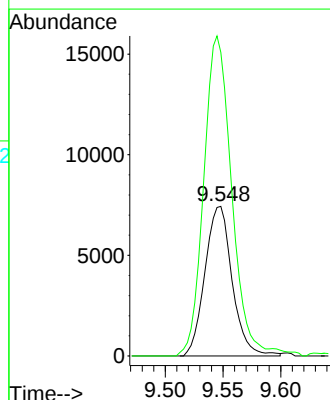
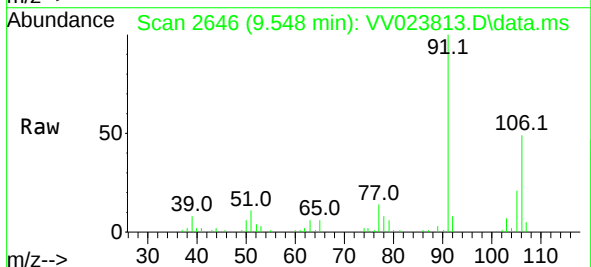
Instrument :
MSVOA_V
ClientSampleId :

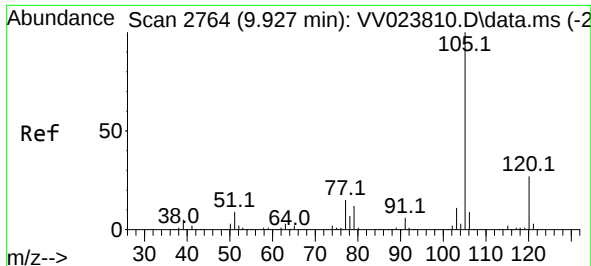
Tgt Ion:106 Resp: 102750
Ion Ratio Lower Upper
106 100
91 196.3 139.5 259.1



#54
o-xylene
Concen: 0.782 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

Tgt Ion:106 Resp: 12194
Ion Ratio Lower Upper
106 100
91 202.9 147.9 274.7

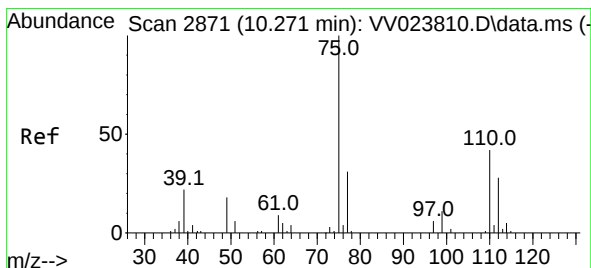
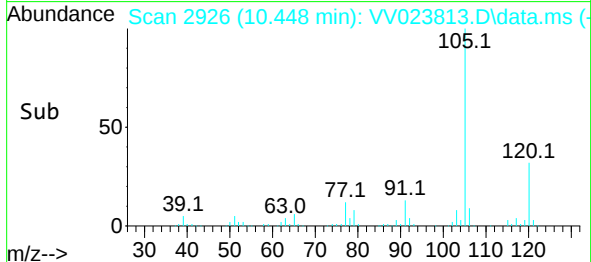
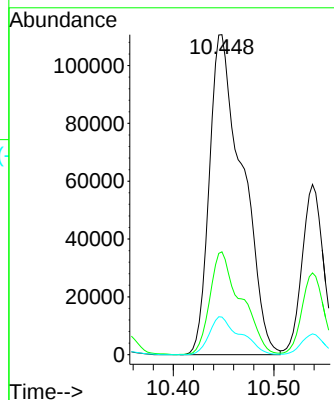
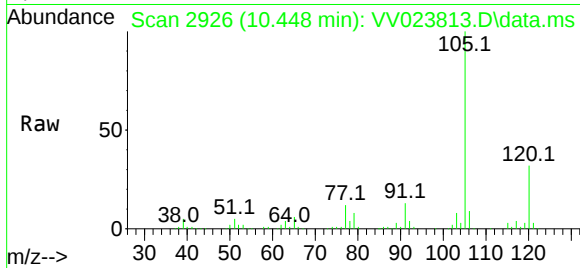




#60
Isopropylbenzene
Concen: 6.016 ug/L
RT: 10.448 min Scan# 2926
Delta R.T. 0.518 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

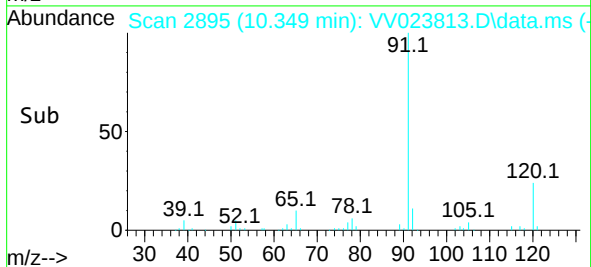
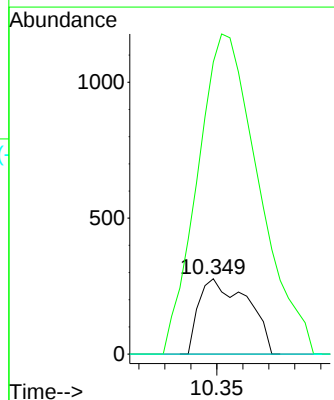
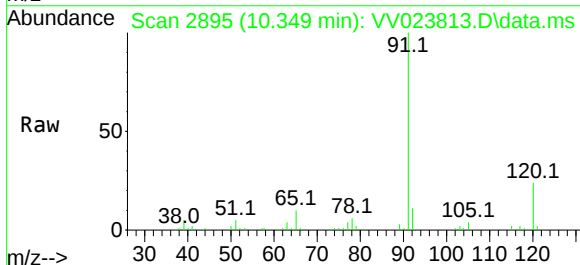
Instrument :
MSVOA_V
ClientSampleId :

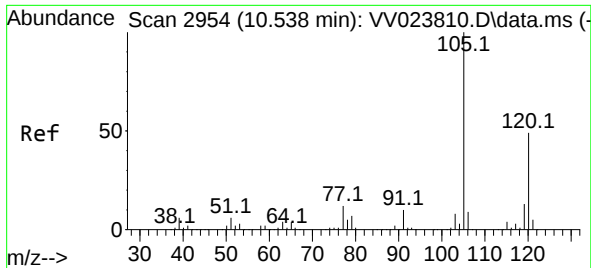
Tgt Ion:105 Resp: 252297
Ion Ratio Lower Upper
105 100
120 30.6 21.4 32.0
77 11.2 12.2 18.4#



#61
1,2,3-Trichloropropane
Concen: 0.072 ug/L
RT: 10.349 min Scan# 2895
Delta R.T. 0.077 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

Tgt Ion: 75 Resp: 358
Ion Ratio Lower Upper
75 100
77 539.4 26.4 39.6#
110 0.0 34.2 51.2#

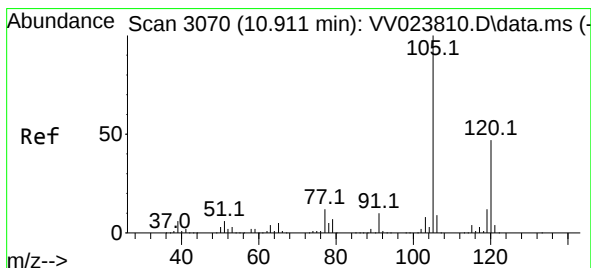
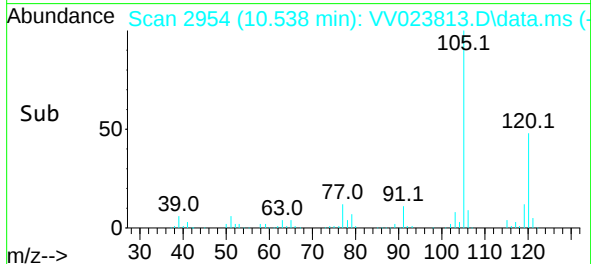
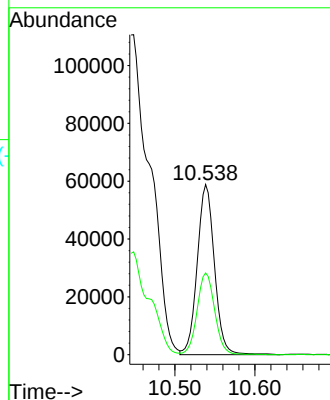
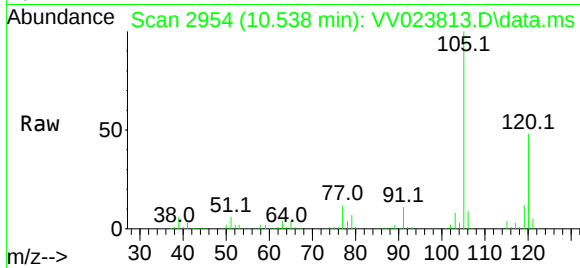




#62
 1,3,5-Trimethylbenzene
 Concen: 2.533 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV023813.D
 Acq: 07 Dec 2021 11:17

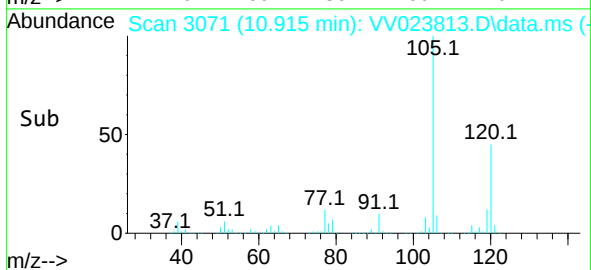
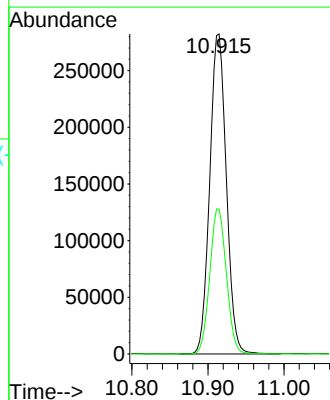
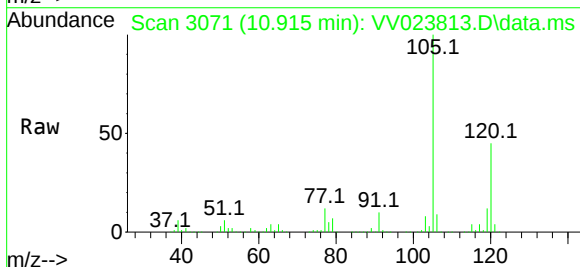
Instrument :
 MSVOA_V
 ClientSampleId :

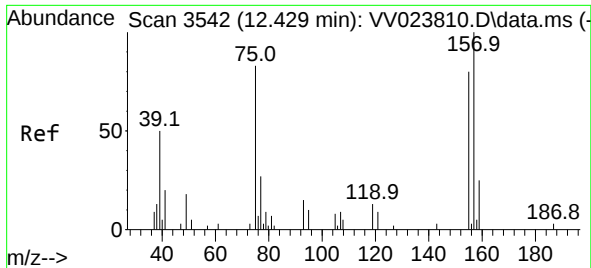
Tgt Ion:105 Resp: 88387
 Ion Ratio Lower Upper
 105 100
 120 48.3 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 12.397 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.003 min
 Lab File: VV023813.D
 Acq: 07 Dec 2021 11:17

Tgt Ion:105 Resp: 427838
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.7 55.1

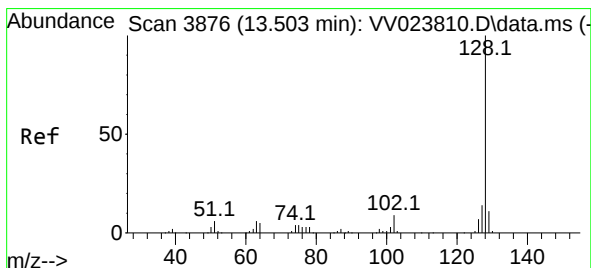
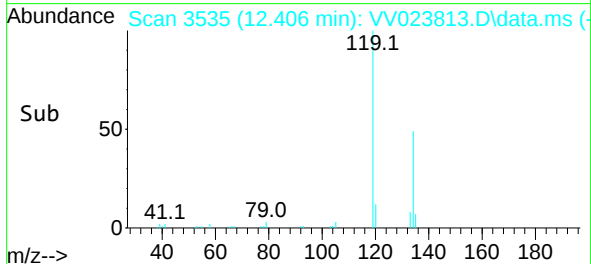
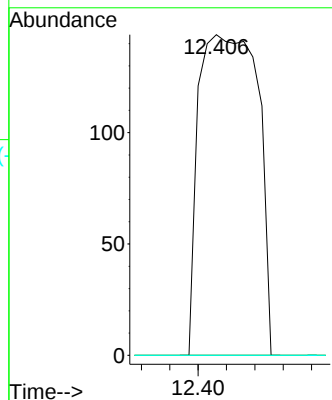
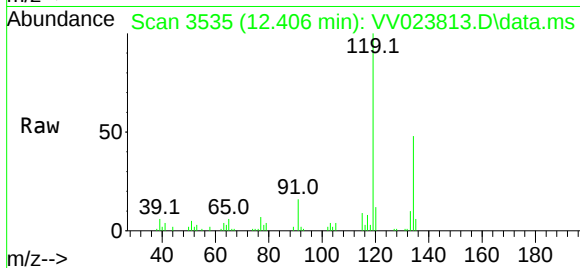




#68
1,2-Dibromo-3-chloropropane
Concen: 0.209 ug/L
RT: 12.406 min Scan# 3535
Delta R.T. -0.019 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 207
Ion Ratio Lower Upper
75 100
155 0.0 71.7 107.5#
157 0.0 103.3 154.9#



#71
Naphthalene
Concen: 2.006 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.000 min
Lab File: VV023813.D
Acq: 07 Dec 2021 11:17

Tgt Ion: 128 Resp: 35064
Ion Ratio Lower Upper
128 100
129 13.0 9.0 13.4
127 13.6 10.2 15.4

