

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111221\
 Data File : VW023461.D
 Acq On : 12 Nov 2021 23:13
 Operator : SY/MD
 Sample : M4616-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 13 01:59:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 13 01:39:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	118679	5.000	ug/L	-0.02
28) Chlorobenzene-d5	8.854	117	119248	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	53033	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	51773	6.964	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 139.200%#		
7) Chloroethane-d5	1.568	69	36571	6.035	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 120.800%		
11) 1,1-Dichloroethene-d2	2.108	63	69595	5.000	ug/L	-0.01
Spiked Amount	5.000	Range 60 - 125	Recovery	= 100.000%		
20) 2-Butanone-d5	3.889	46	78853	61.562	ug/L	-0.10
Spiked Amount	50.000	Range 40 - 130	Recovery	= 123.120%		
24) Chloroform-d	4.349	84	85814	5.416	ug/L	-0.01
Spiked Amount	5.000	Range 70 - 125	Recovery	= 108.400%		
26) 1,2-Dichloroethane-d4	5.034	65	42264	5.932	ug/L	-0.02
Spiked Amount	5.000	Range 70 - 130	Recovery	= 118.600%		
32) Benzene-d6	5.050	84	169528	5.541	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 110.800%		
36) 1,2-Dichloropropane-d6	6.069	67	50841	5.645	ug/L	-0.03
Spiked Amount	5.000	Range 60 - 140	Recovery	= 112.800%		
41) Toluene-d8	7.317	98	146258	5.101	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 102.000%		
43) trans-1,3-Dichloroprop...	7.625	79	18075	5.292	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 105.800%		
46) 2-Hexanone-d5	8.092	63	53708	42.742	ug/L	-0.02
Spiked Amount	50.000	Range 45 - 130	Recovery	= 85.480%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	32308	4.988	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 99.800%		
66) 1,2-Dichlorobenzene-d4	11.625	152	53107	6.014	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 120.200%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	960	0.083	ug/L	95
9) Trichlorofluoromethane	1.751	101	620419	42.020	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	10385	1.397	ug/L	97
12) 1,1-Dichloroethene	2.117	96	5836	0.825	ug/L #	1
13) Acetone	2.182	43	1604	2.049	ug/L	90
17) Methyl tert-butyl Ether	2.770	73	23827	1.529	ug/L	95
18) trans-1,2-Dichloroethene	2.767	96	998	0.115	ug/L	96
19) 1,1-Dichloroethane	3.191	63	34032	2.317	ug/L	98
22) cis-1,2-Dichloroethene	3.912	96	68928	8.232	ug/L #	90
25) Chloroform	4.378	83	15037	0.960	ug/L	100
29) 1,1,1-Trichloroethane	4.609	97	2183	0.151	ug/L #	88
31) Carbon tetrachloride	4.838	117	3295	0.253	ug/L	94
34) Trichloroethene	5.912	95	879386	99.215	ug/L	98
35) Methylcyclohexane	6.069	83	12533	0.896	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	5871	0.755	ug/L #	84
39) cis-1,3-Dichloropropene	6.985	75	1538	0.137	ug/L #	79
42) Toluene	7.394	91	2432	0.068	ug/L	94
45) 1,1,2-Trichloroethane	7.857	97	499	0.089	ug/L #	66
47) Tetrachloroethene	7.976	164	55510	7.226	ug/L	99

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QLast Update : Sat Nov 13 01:39:11 2021
Response via : Initial Calibration

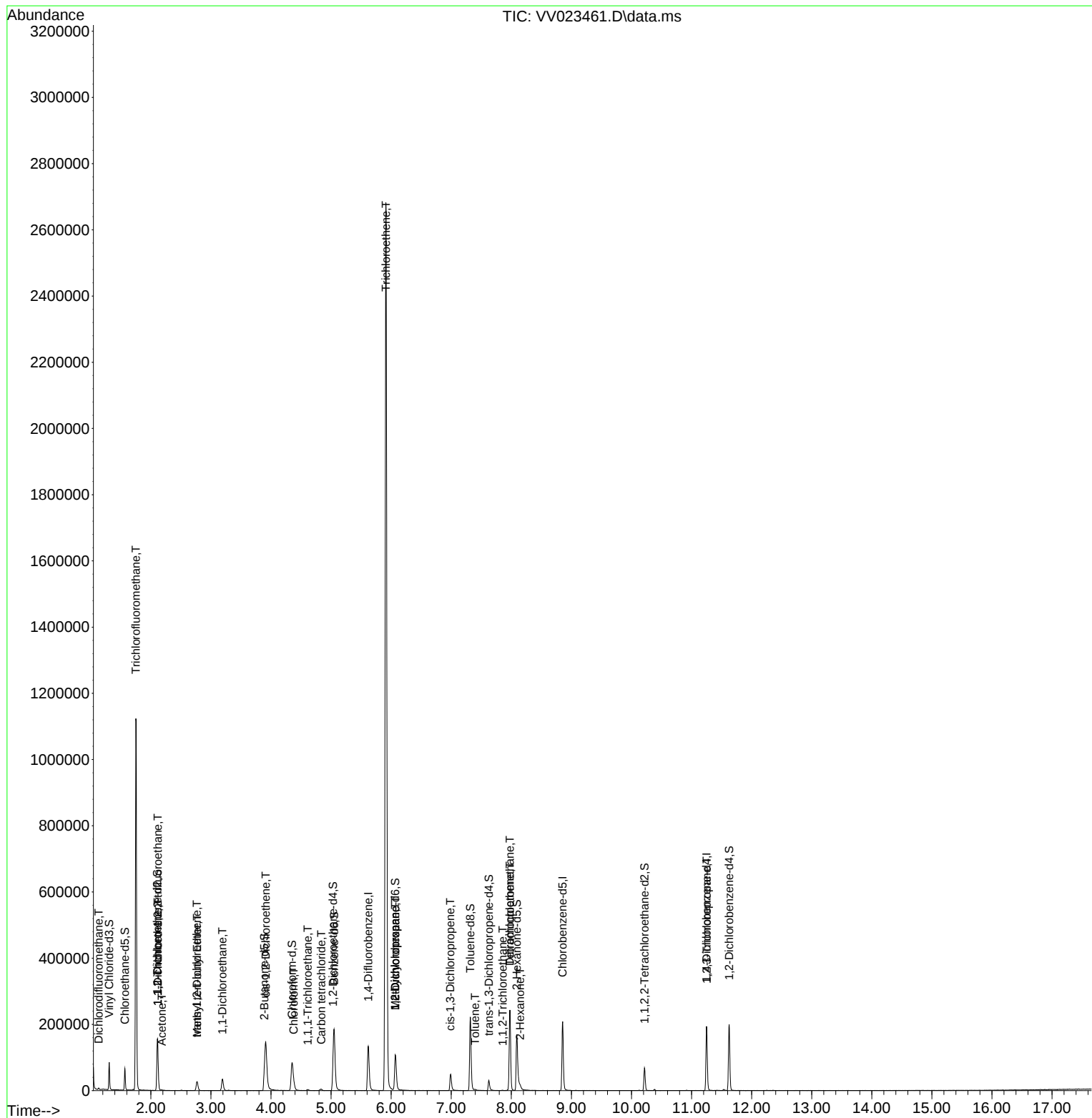
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.146	43	8613	3.406	ug/L #	86
49) Dibromochloromethane	7.976	129	43686	6.167	ug/L #	10
61) 1,2,3-Trichloropropane	11.252	75	5892	1.672	ug/L #	64

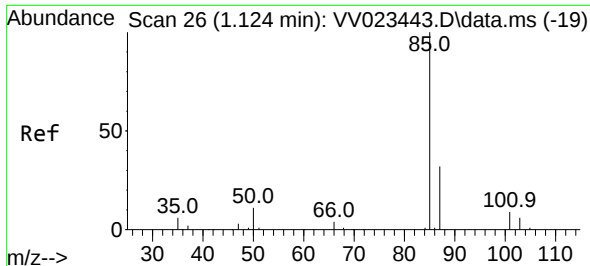
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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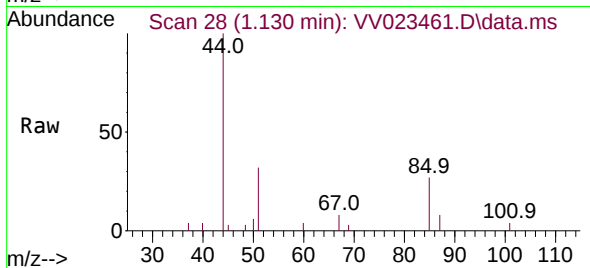
Quant Time: Nov 13 01:59:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
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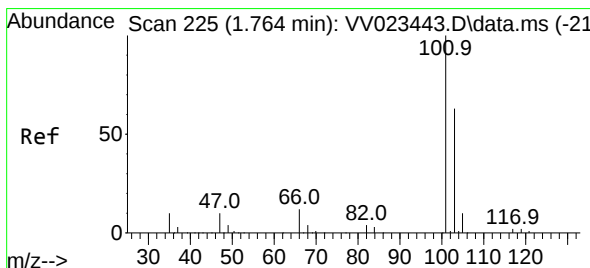
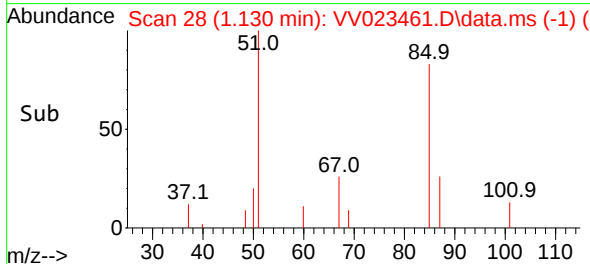
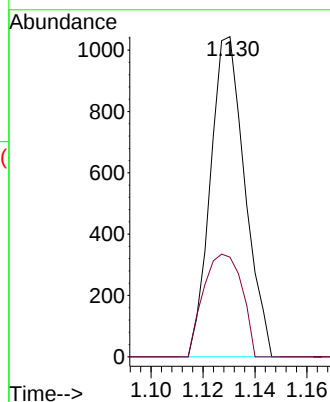


#2
 Dichlorodifluoromethane
 Concen: 0.083 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VV023461.D
 Acq: 12 Nov 2021 23:13

Instrument :
 MSVOA_V
 ClientSampleId :

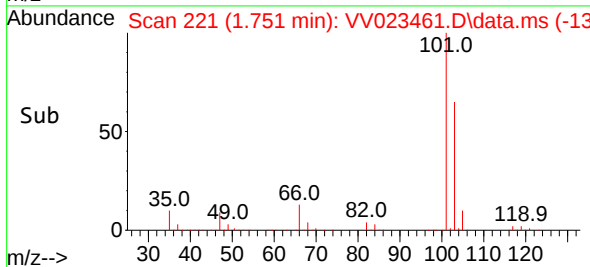
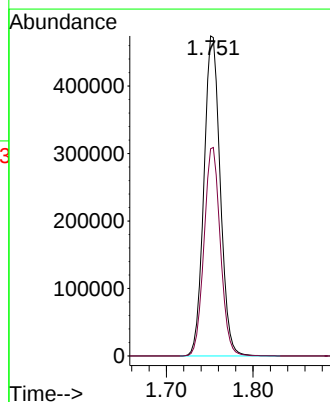
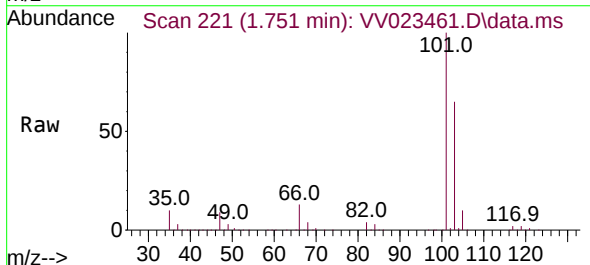


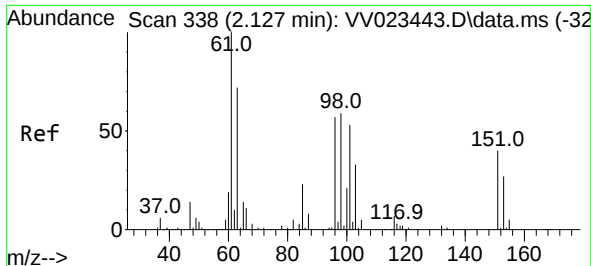
Tgt Ion: 85 Resp: 960
 Ion Ratio Lower Upper
 85 100
 87 35.8 26.6 39.8



#9
 Trichlorofluoromethane
 Concen: 42.020 ug/L
 RT: 1.751 min Scan# 221
 Delta R.T. -0.013 min
 Lab File: VV023461.D
 Acq: 12 Nov 2021 23:13

Tgt Ion: 101 Resp: 620419
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.6 79.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.397 ug/L

RT: 2.117 min Scan# 335

Delta R.T. -0.010 min

Lab File: VV023461.D

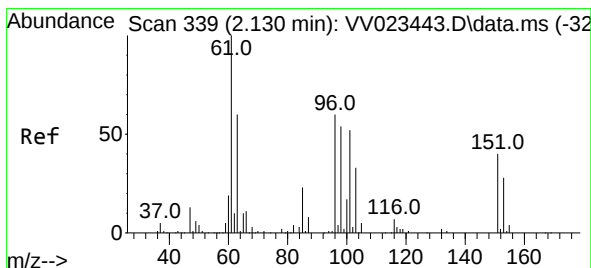
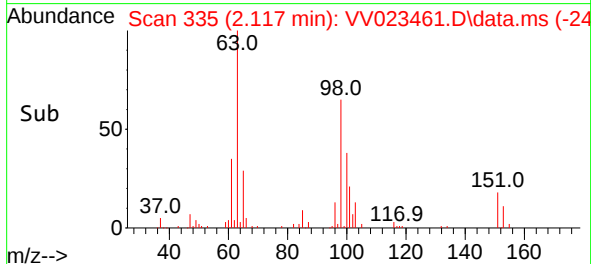
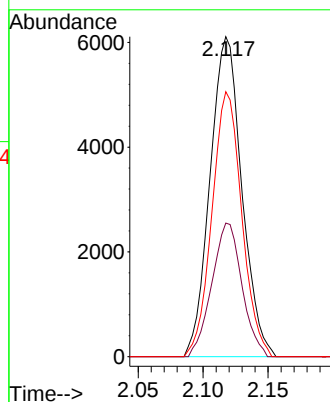
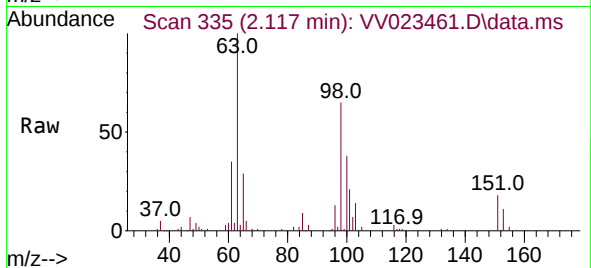
Acq: 12 Nov 2021 23:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:101	Resp:	10385
Ion Ratio	Lower	Upper
101	100	
85	39.5	35.3 52.9
151	77.6	62.2 93.2



#12

1,1-Dichloroethene

Concen: 0.825 ug/L

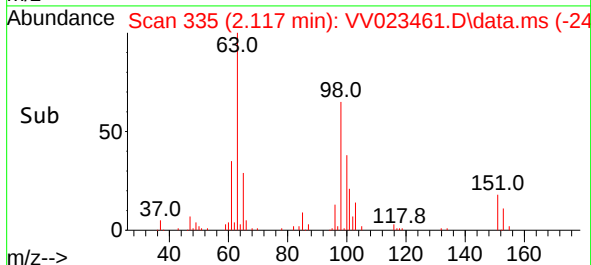
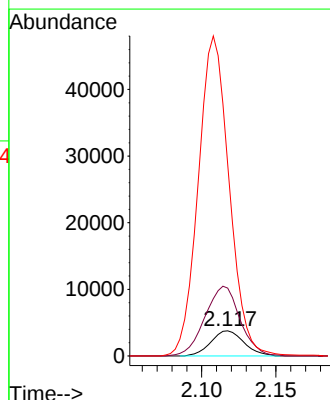
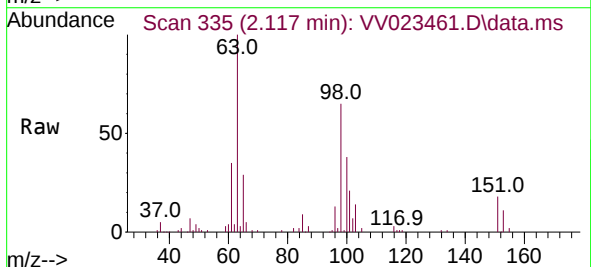
RT: 2.117 min Scan# 335

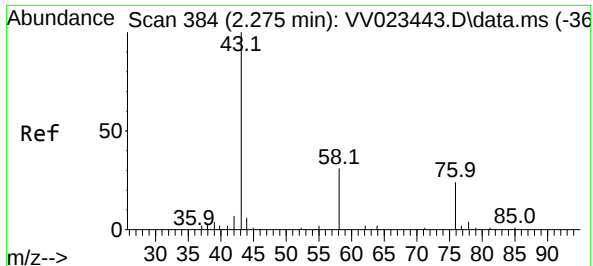
Delta R.T. -0.013 min

Lab File: VV023461.D

Acq: 12 Nov 2021 23:13

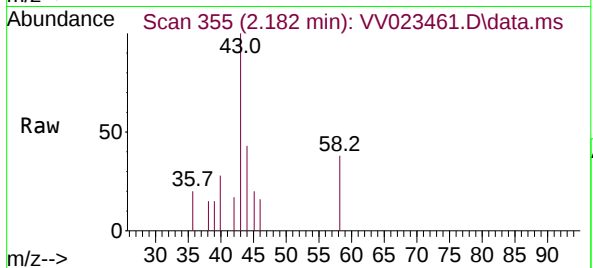
Tgt Ion: 96	Resp:	5836
Ion Ratio	Lower	Upper
96	100	
61	269.2	121.5 225.7#
63	759.2	99.6 185.0#



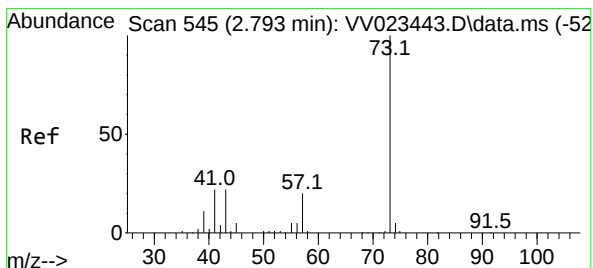
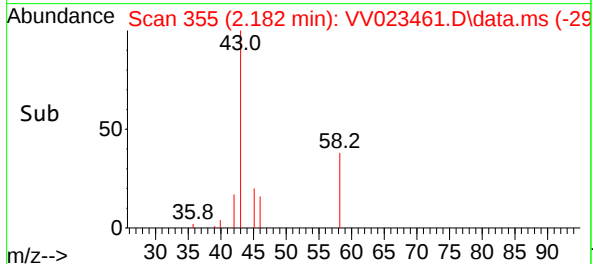
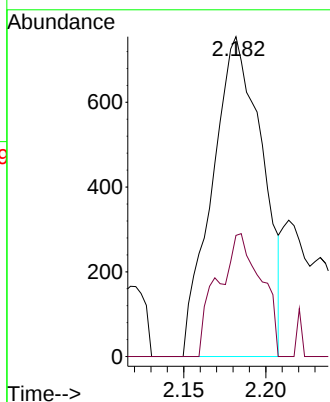


#13
Acetone
Concen: 2.049 ug/L
RT: 2.182 min Scan# 31
Delta R.T. -0.093 min
Lab File: VV023461.D
Acq: 12 Nov 2021 23:13

Instrument :
MSVOA_V
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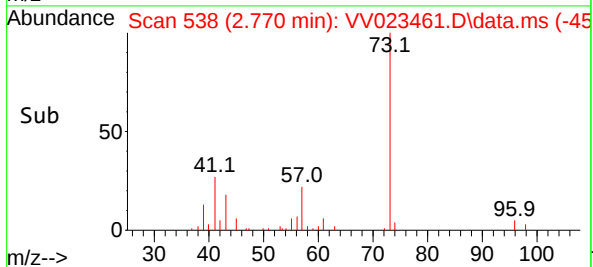
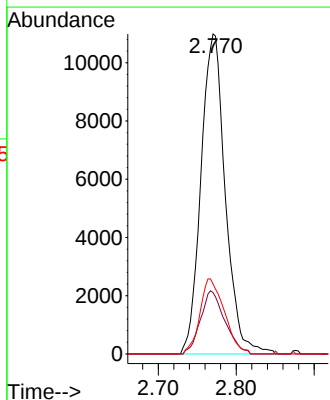
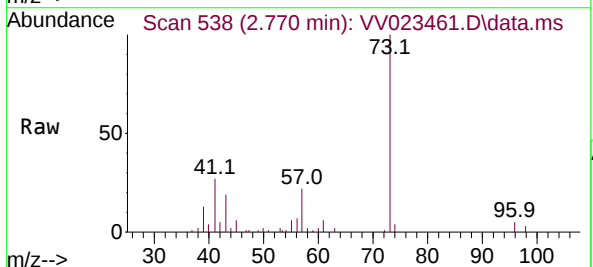


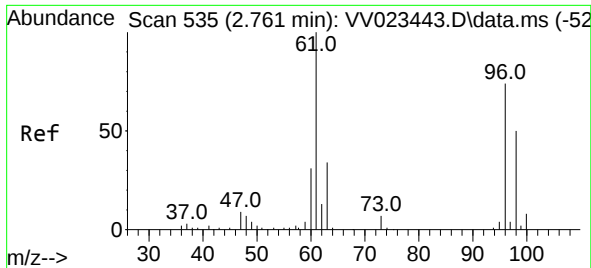
Tgt Ion: 43 Resp: 1604
Ion Ratio Lower Upper
43 100
58 33.1 0.0 55.4



#17
Methyl tert-butyl Ether
Concen: 1.529 ug/L
RT: 2.770 min Scan# 538
Delta R.T. -0.023 min
Lab File: VV023461.D
Acq: 12 Nov 2021 23:13

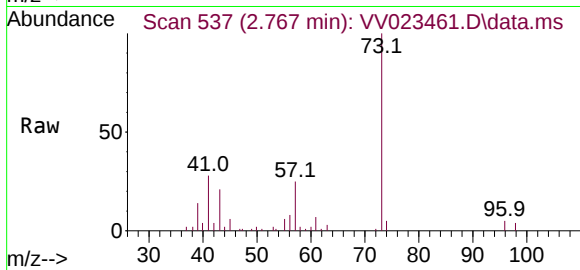
Tgt Ion: 73 Resp: 23827
Ion Ratio Lower Upper
73 100
43 19.7 17.4 26.0
57 23.6 16.5 24.7



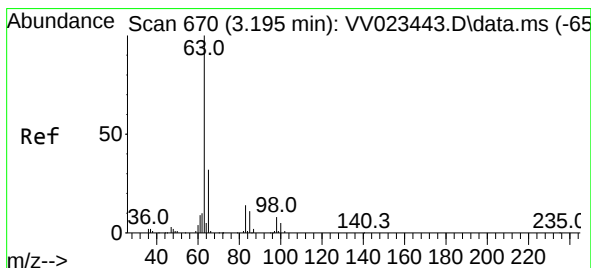
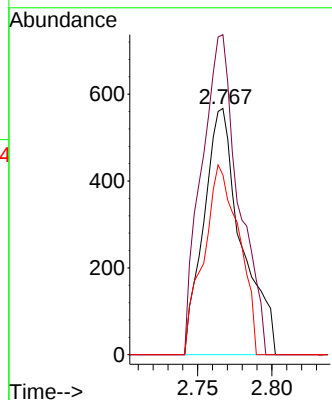
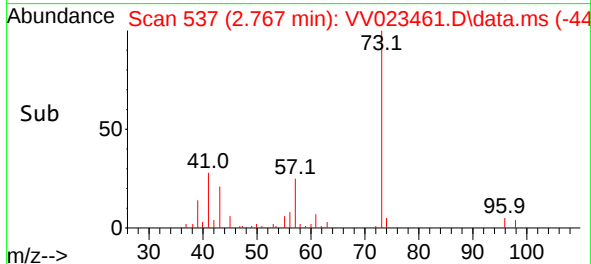


#18
trans-1,2-Dichloroethene
Concen: 0.115 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV023461.D
Acq: 12 Nov 2021 23:13

Instrument :
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ClientSampleId :

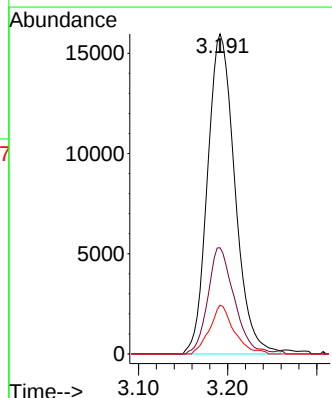
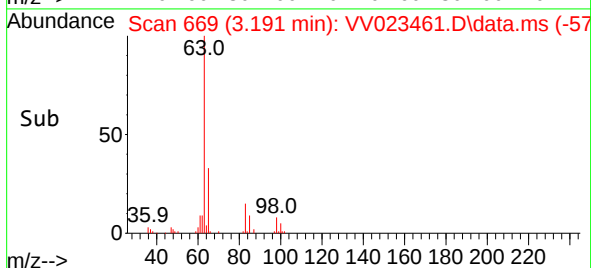
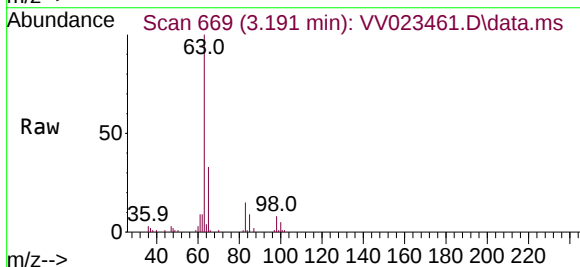


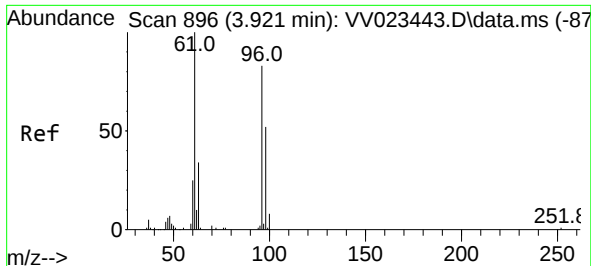
Tgt Ion: 96 Resp: 998
Ion Ratio Lower Upper
96 100
61 130.0 93.2 173.2
98 73.0 47.0 87.2



#19
1,1-Dichloroethane
Concen: 2.317 ug/L
RT: 3.191 min Scan# 669
Delta R.T. -0.003 min
Lab File: VV023461.D
Acq: 12 Nov 2021 23:13

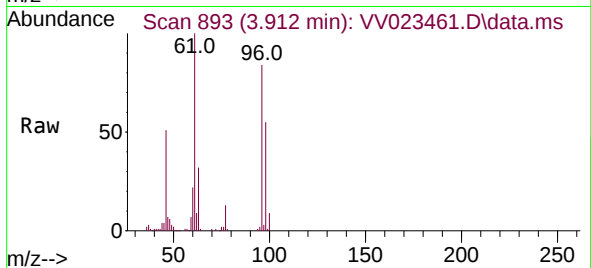
Tgt Ion: 63 Resp: 34032
Ion Ratio Lower Upper
63 100
65 33.2 22.6 42.0
83 15.3 11.1 20.7



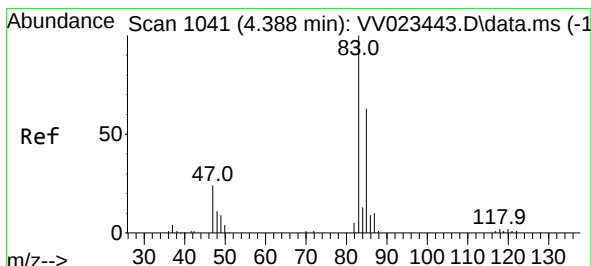
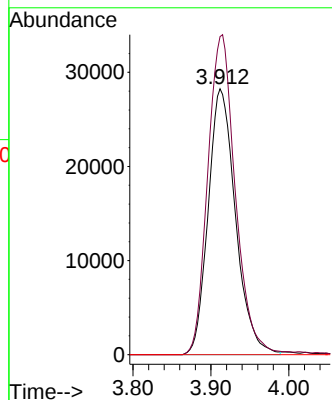
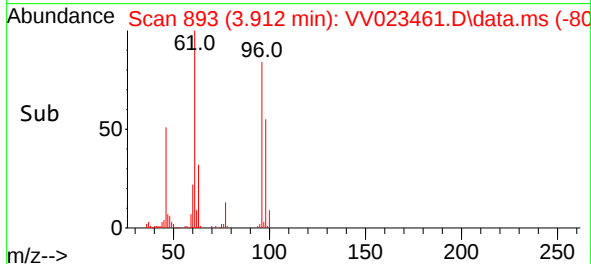


#22
 cis-1,2-Dichloroethene
 Concen: 8.232 ug/L
 RT: 3.912 min Scan# 896
 Delta R.T. -0.010 min
 Lab File: VV023461.D
 Acq: 12 Nov 2021 23:13

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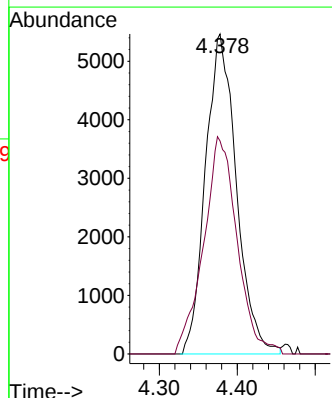
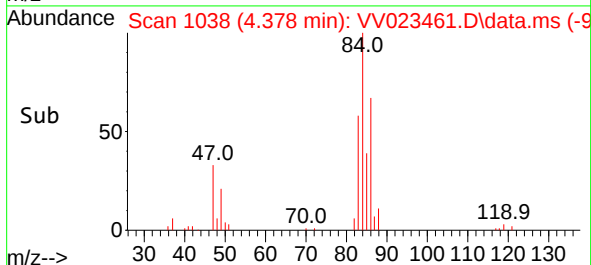
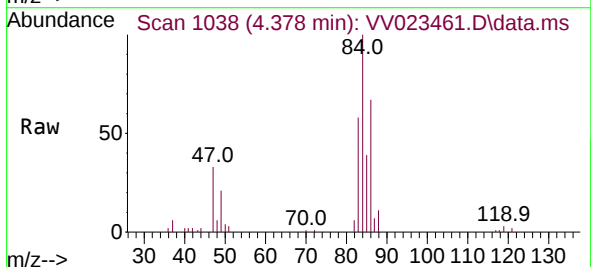


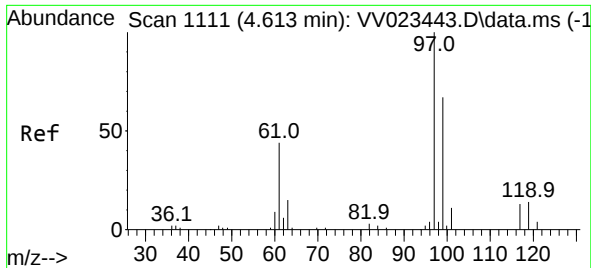
Tgt Ion: 96 Resp: 68928
 Ion Ratio Lower Upper
 96 100
 61 119.6 92.3 171.3
 68 0.0 0.4 0.8#



#25
 Chloroform
 Concen: 0.960 ug/L
 RT: 4.378 min Scan# 1038
 Delta R.T. -0.010 min
 Lab File: VV023461.D
 Acq: 12 Nov 2021 23:13

Tgt Ion: 83 Resp: 15037
 Ion Ratio Lower Upper
 83 100
 85 66.6 46.8 86.8





#29

1,1,1-Trichloroethane

Concen: 0.151 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. -0.003 min

Lab File: VV023461.D

Acq: 12 Nov 2021 23:13

Instrument :

MSVOA_V

ClientSampleId :

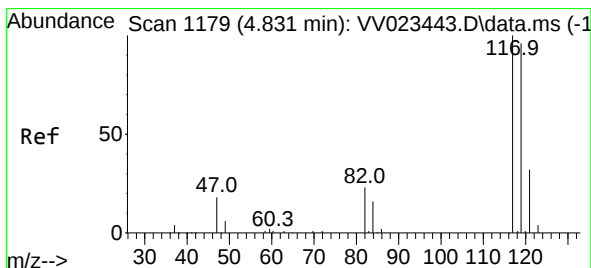
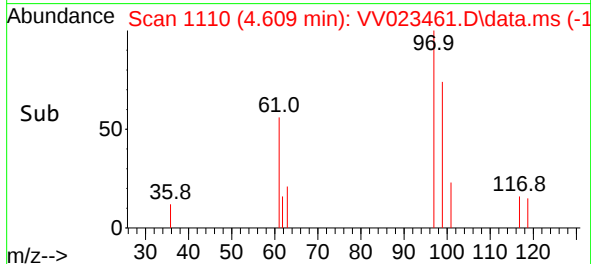
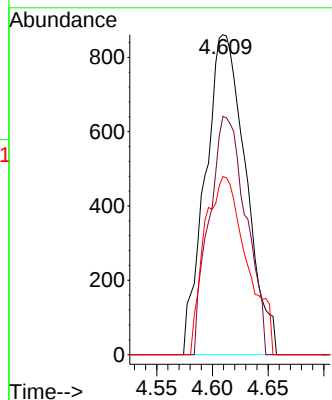
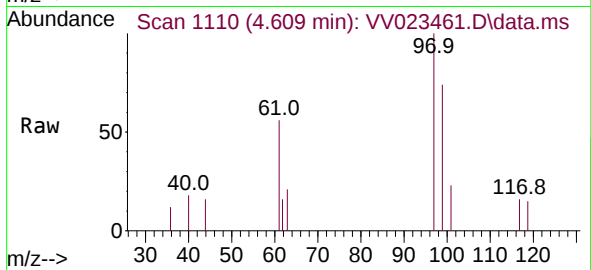
Tgt Ion: 97 Resp: 2183

Ion Ratio Lower Upper

97 100

99 67.5 51.0 76.4

61 57.8 34.1 51.1#



#31

Carbon tetrachloride

Concen: 0.253 ug/L

RT: 4.838 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VV023461.D

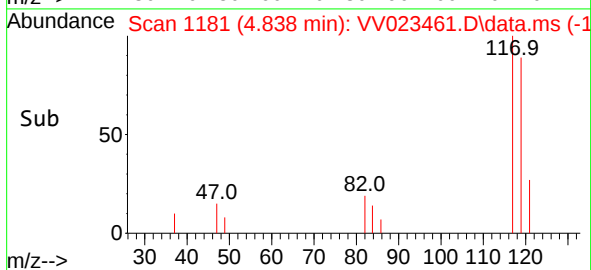
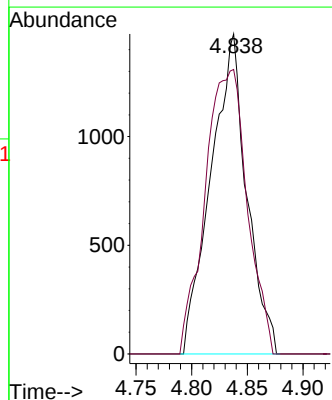
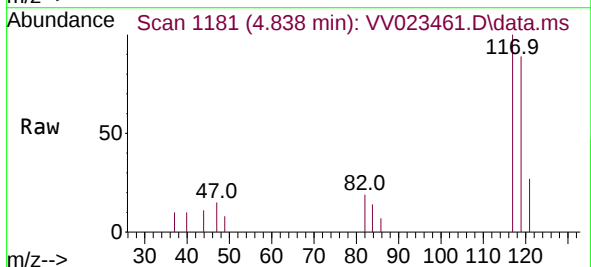
Acq: 12 Nov 2021 23:13

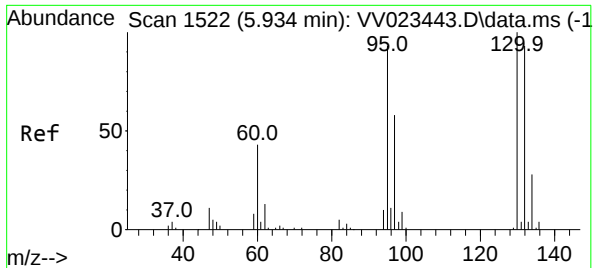
Tgt Ion: 117 Resp: 3295

Ion Ratio Lower Upper

117 100

119 104.5 78.8 118.2

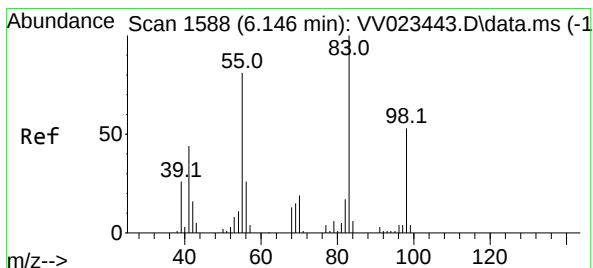
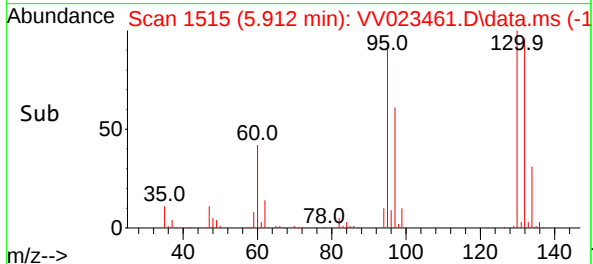
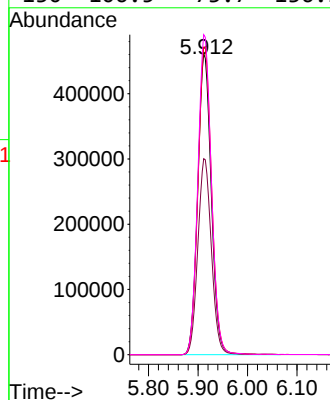
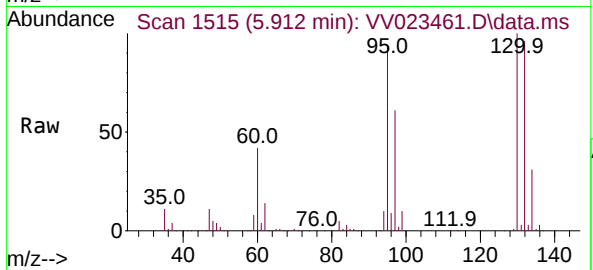




#34
Trichloroethene
Concen: 99.215 ug/L
RT: 5.912 min Scan# 11
Delta R.T. -0.023 min
Lab File: VV023461.D
Acq: 12 Nov 2021 23:13

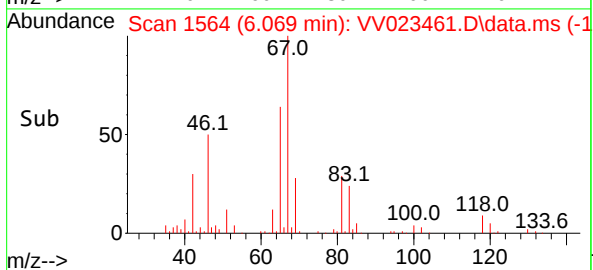
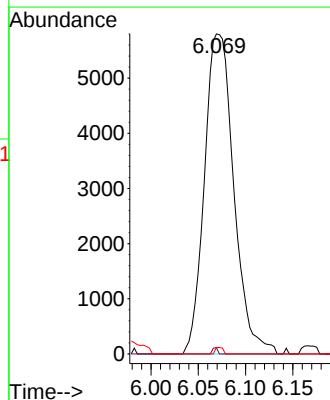
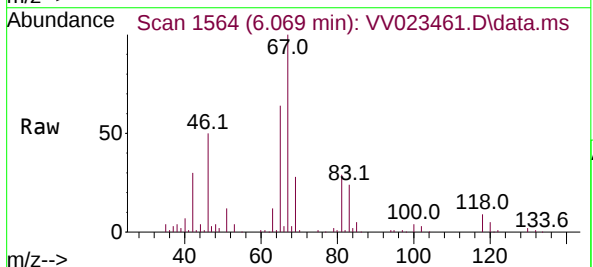
Instrument :
MSVOA_V
ClientSampleId :

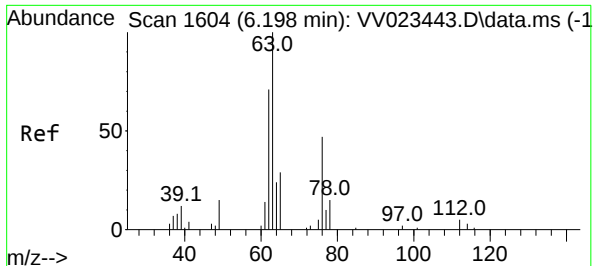
Tgt Ion: 95 Resp: 879386
Ion Ratio Lower Upper
95 100
97 65.2 45.0 83.6
132 102.4 69.7 129.4
130 106.5 73.7 136.9



#35
Methylcyclohexane
Concen: 0.896 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.077 min
Lab File: VV023461.D
Acq: 12 Nov 2021 23:13

Tgt Ion: 83 Resp: 12533
Ion Ratio Lower Upper
83 100
55 0.3 62.8 94.2#
98 0.0 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.755 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.129 min

Lab File: VV023461.D

Acq: 12 Nov 2021 23:13

Instrument :

MSVOA_V

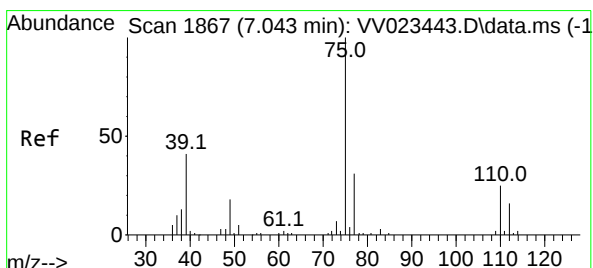
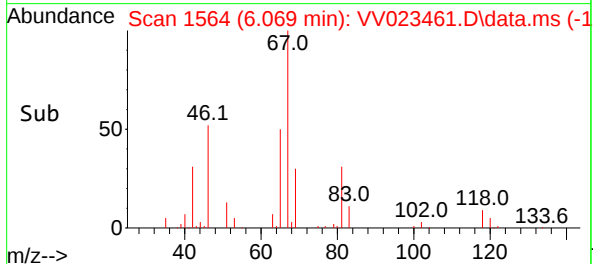
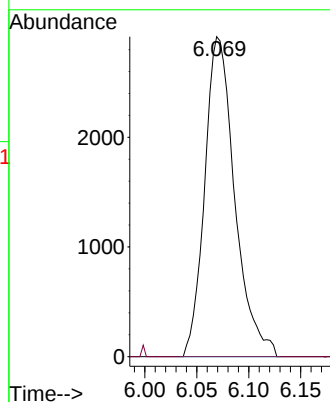
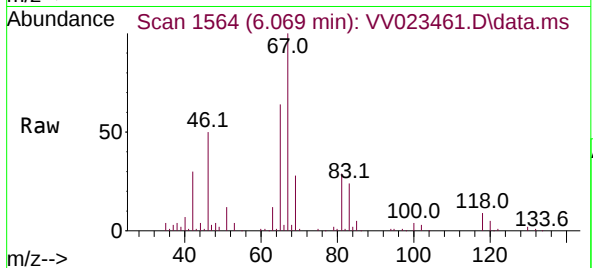
ClientSampleId :

Tgt Ion: 63 Resp: 5871

Ion Ratio Lower Upper

63 100

112 0.3 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.137 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.058 min

Lab File: VV023461.D

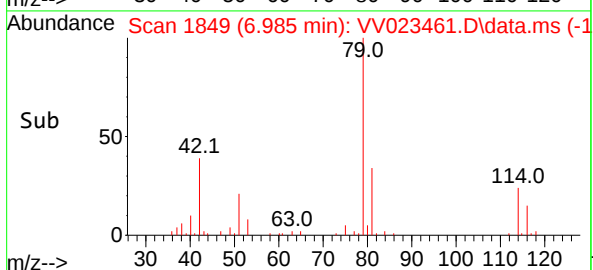
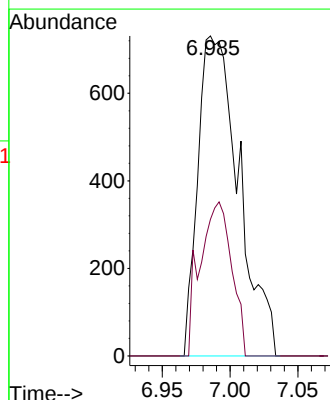
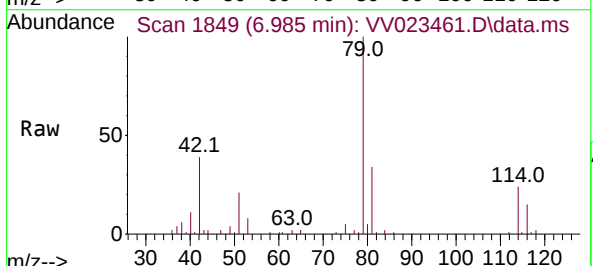
Acq: 12 Nov 2021 23:13

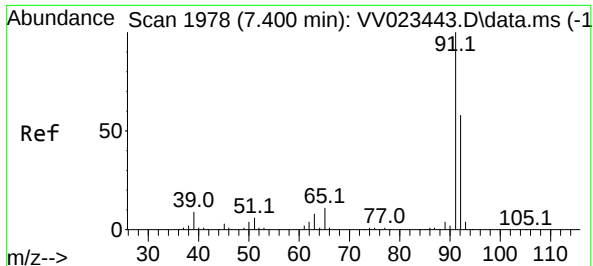
Tgt Ion: 75 Resp: 1538

Ion Ratio Lower Upper

75 100

77 42.7 21.6 40.2#

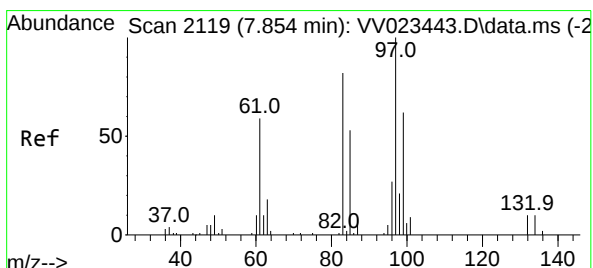
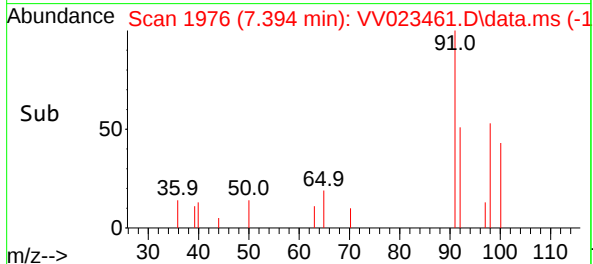
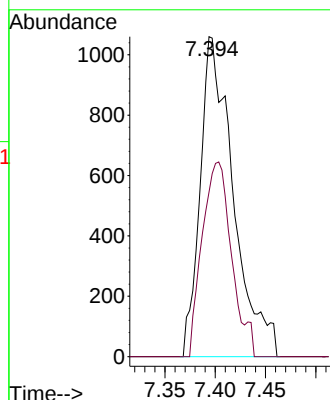
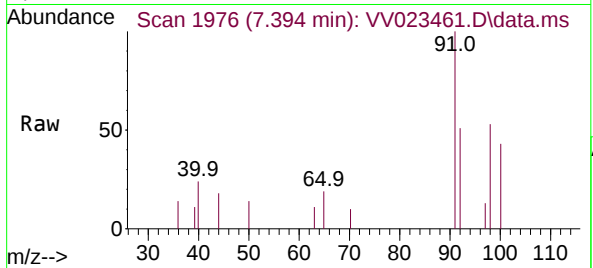




#42
Toluene
Concen: 0.068 ug/L
RT: 7.394 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VV023461.D
Acq: 12 Nov 2021 23:13

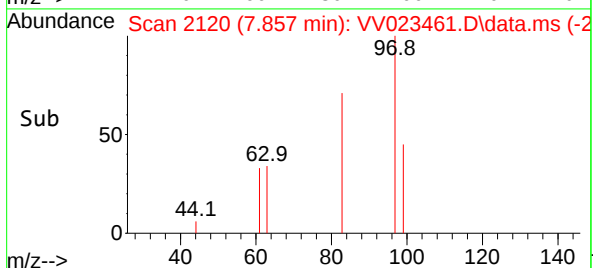
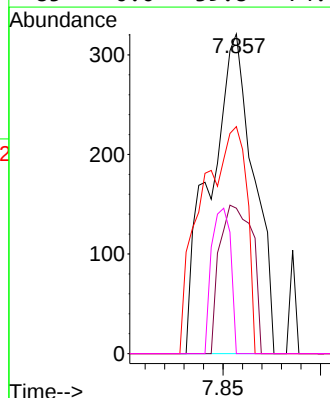
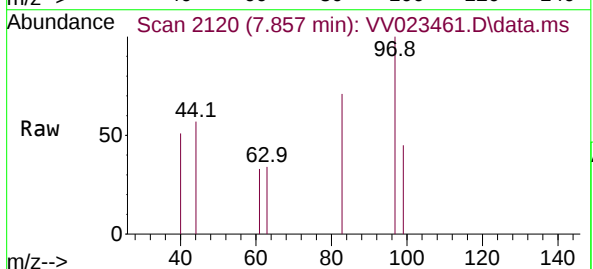
Instrument :
MSVOA_V
ClientSampleId :

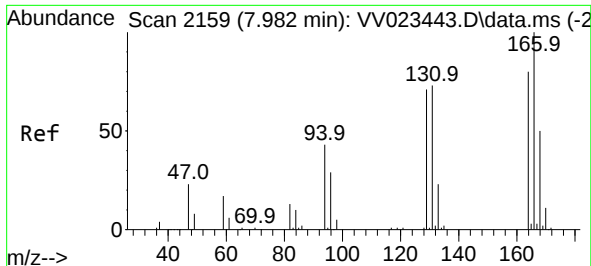
Tgt Ion: 91 Resp: 2432
Ion Ratio Lower Upper
91 100
92 51.4 39.3 72.9



#45
1,1,2-Trichloroethane
Concen: 0.089 ug/L
RT: 7.857 min Scan# 2120
Delta R.T. 0.003 min
Lab File: VV023461.D
Acq: 12 Nov 2021 23:13

Tgt Ion: 97 Resp: 499
Ion Ratio Lower Upper
97 100
99 45.5 43.6 81.0
83 71.0 58.4 108.4
85 0.0 39.8 74.0#





#47

Tetrachloroethene

Concen: 7.226 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.006 min

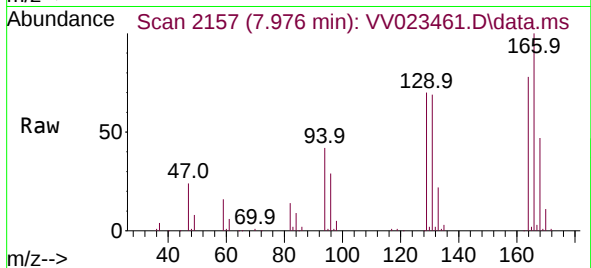
Lab File: VV023461.D

Acq: 12 Nov 2021 23:13

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 55510

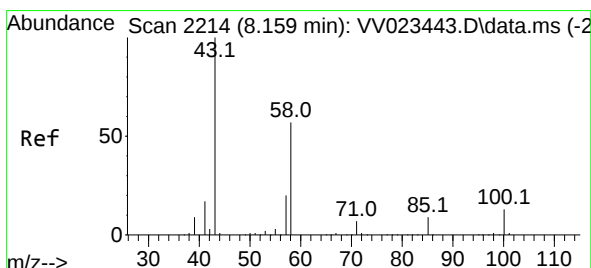
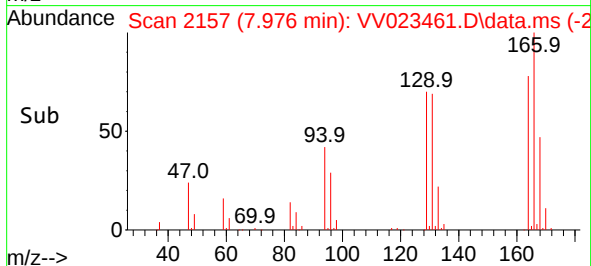
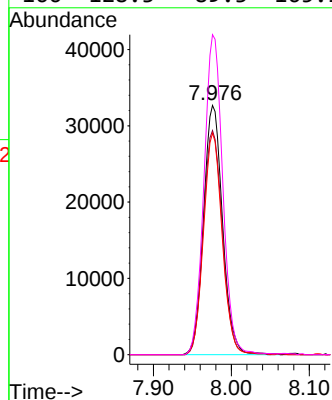
Ion Ratio Lower Upper

164 100

129 89.9 64.0 119.0

131 88.9 63.4 117.8

166 128.3 89.3 165.9



#48

2-Hexanone

Concen: 3.406 ug/L

RT: 8.146 min Scan# 2210

Delta R.T. -0.013 min

Lab File: VV023461.D

Acq: 12 Nov 2021 23:13

Tgt Ion: 43 Resp: 8613

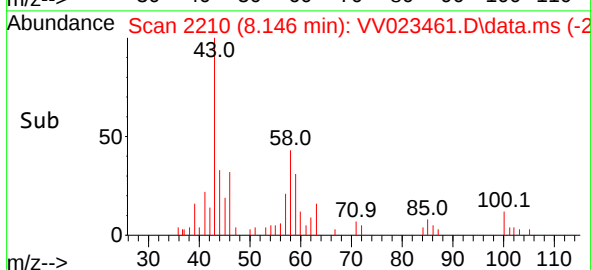
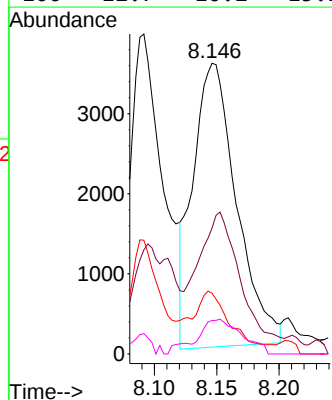
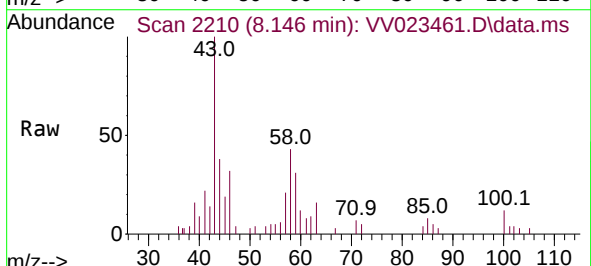
Ion Ratio Lower Upper

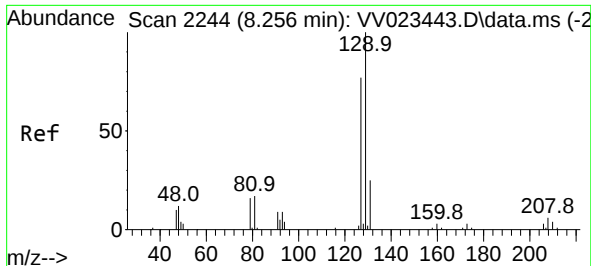
43 100

58 39.8 43.7 65.5#

57 16.9 14.1 21.1

100 12.7 10.2 15.2





#49

Dibromochloromethane

Concen: 6.167 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.280 min

Lab File: VV023461.D

Acq: 12 Nov 2021 23:13

Instrument :

MSVOA_V

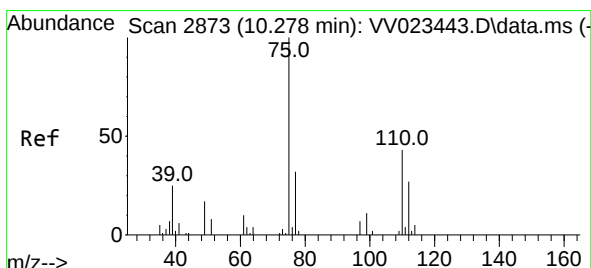
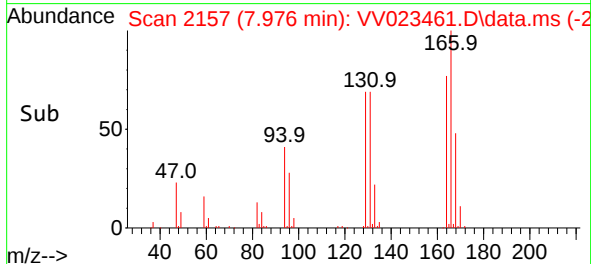
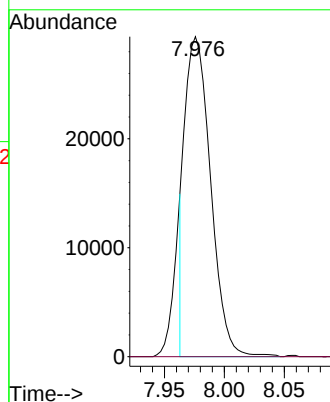
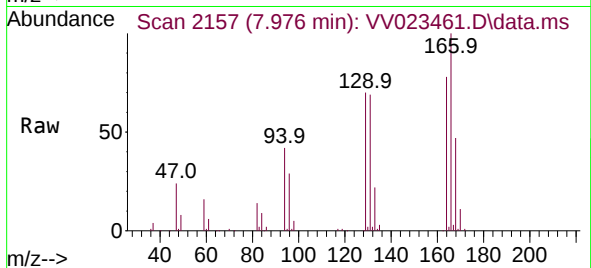
ClientSampleId :

Tgt Ion:129 Resp: 43686

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.672 ug/L

RT: 11.252 min Scan# 3176

Delta R.T. 0.974 min

Lab File: VV023461.D

Acq: 12 Nov 2021 23:13

Tgt Ion: 75 Resp: 5892

Ion Ratio Lower Upper

75 100

77 30.5 26.6 39.8

110 1.7 31.8 47.6#

