

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112324\
 Data File : VV038302.D
 Acq On : 23 Nov 2024 16:48
 Operator : SY/MD
 Sample : P4884-04
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 23 23:01:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 23 02:01:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	156344	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	178206	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	74000	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	60769	5.071	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 101.400%	
7) Chloroethane-d5	1.529	69	64261	6.629	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 132.600%#	
11) 1,1-Dichloroethene-d2	2.053	65	29393	5.700	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 114.000%	
20) 2-Butanone-d5	3.786	46	166830	69.592	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 139.180%#	
24) Chloroform-d	4.243	84	164236	7.062	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 141.200%#	
26) 1,2-Dichloroethane-d4	4.937	65	79743	7.642	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 152.800%#	
32) Benzene-d6	4.953	84	284787	6.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 123.600%	
36) 1,2-Dichloropropane-d6	5.982	67	95698	6.752	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 135.000%	
41) Toluene-d8	7.240	98	220420	5.172	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 103.400%	
43) trans-1,3-Dichloroprop...	7.558	79	31433	5.965	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 119.400%	
46) 2-Hexanone-d5	8.018	63	135714	66.258	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 132.520%#	
56) 1,1,2,2-Tetrachloroeth...	10.146	84	80165	6.663	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 133.200%#	
66) 1,2-Dichlorobenzene-d4	11.554	152	93088	7.383	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 147.600%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	6781	0.458	ug/L	96
9) Trichlorofluoromethane	1.709	101	9881	0.481	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	4543	0.388	ug/L	90
13) Acetone	1.867	43	1296595	731.302	ug/L	41
16) Methylene chloride	2.442	84	22262	1.748	ug/L	96
17) Methyl tert-butyl Ether	2.700	73	8801	0.349	ug/L #	89
27) 1,2-Dichloroethane	5.072	62	1784	0.144	ug/L #	90
29) 1,1,1-Trichloroethane	4.507	97	33039	1.546	ug/L	98
31) Carbon tetrachloride	4.507	117	4362	0.231	ug/L	94
34) Trichloroethene	5.838	95	16718	1.225	ug/L	96
35) Methylcyclohexane	5.982	83	22908	1.187	ug/L #	19
42) Toluene	7.323	91	20895	0.394	ug/L	97
47) Tetrachloroethene	7.899	164	53568	4.885	ug/L	98
49) Dibromochloromethane	7.899	129	47901	4.321	ug/L #	11
51) Chlorobenzene	8.812	112	11198	0.307	ug/L	95
52) Ethylbenzene	8.953	91	6061	0.108	ug/L	85
53) m,p-Xylene	9.075	106	4166	0.196	ug/L	75
61) 1,2,3-Trichloropropane	11.178	75	8681	1.370	ug/L #	64
67) 1,2-Dichlorobenzene	11.574	146	4026	0.190	ug/L	94

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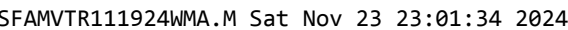
Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 23 23:01:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 23 02:01:29 2024
Response via : Initial Calibration

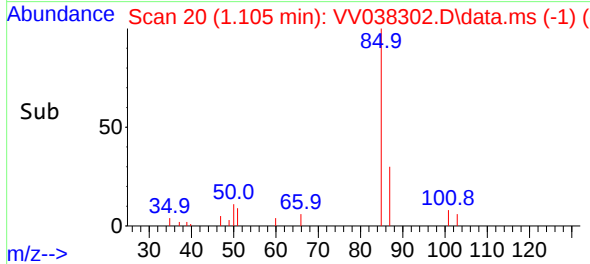
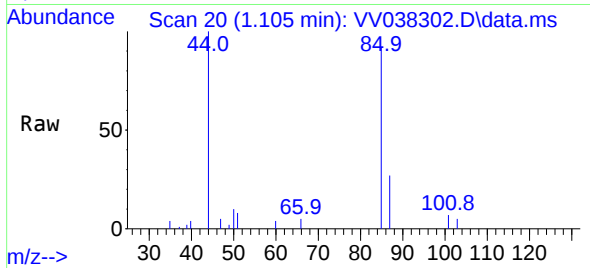
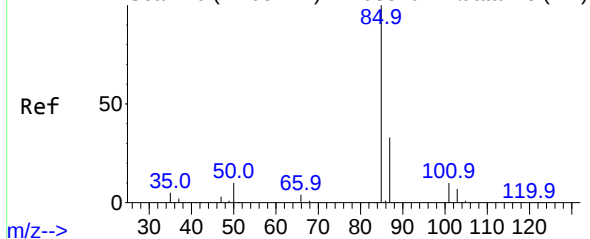
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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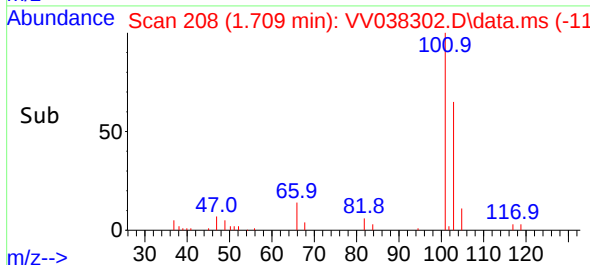
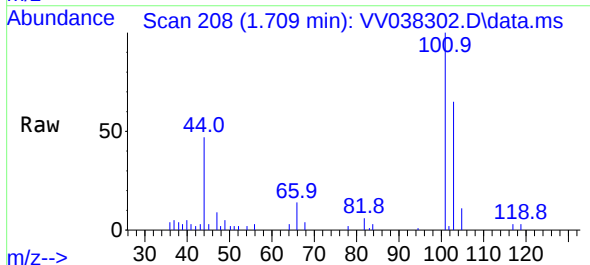
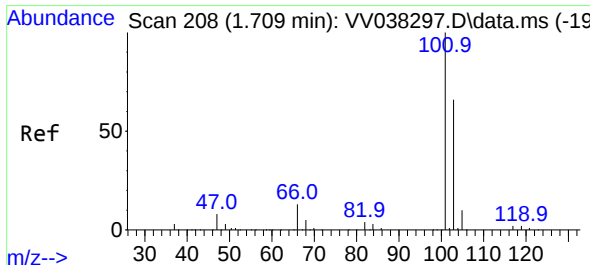
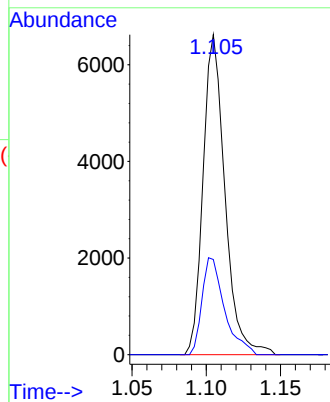
Abundance Scan 20 (1.105 min): VV038297.D\data.ms (-12)



#2
Dichlorodifluoromethane
Concen: 0.458 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

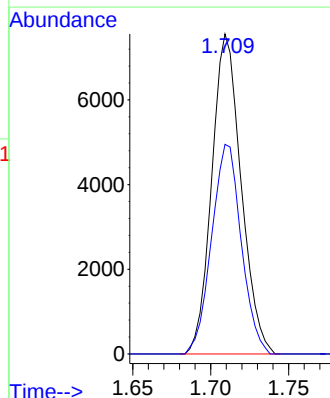
Instrument :
MSVOA_V
ClientSampleId :

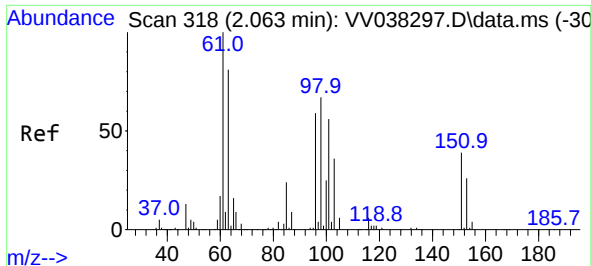
Tgt Ion: 85 Resp: 6781
Ion Ratio Lower Upper
85 100
87 31.1 26.5 39.7



#9
Trichlorofluoromethane
Concen: 0.481 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

Tgt Ion:101 Resp: 9881
Ion Ratio Lower Upper
101 100
103 66.2 51.5 77.3

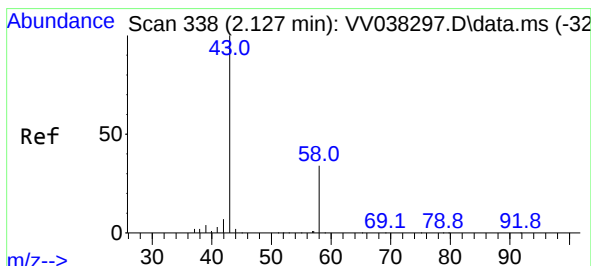
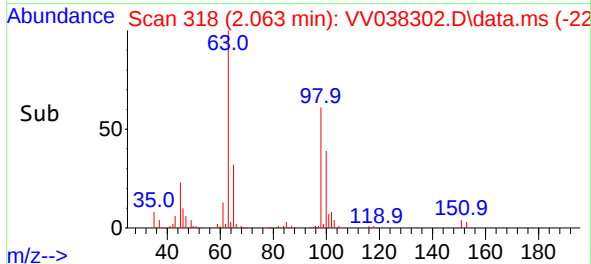
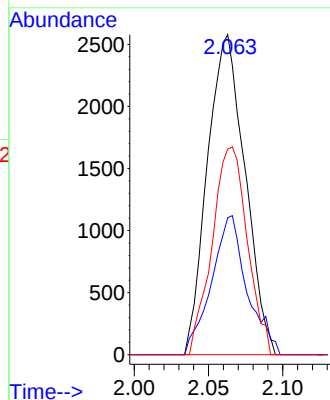
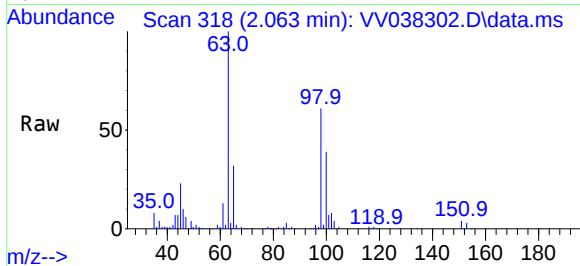




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.388 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

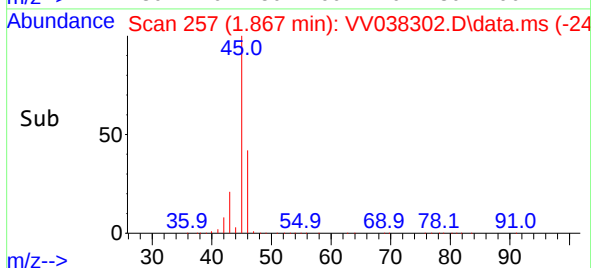
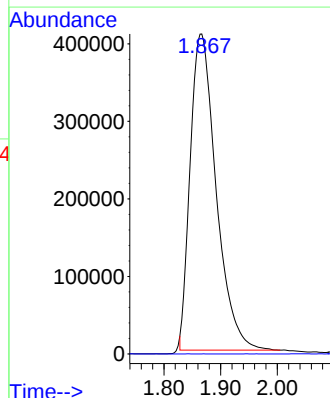
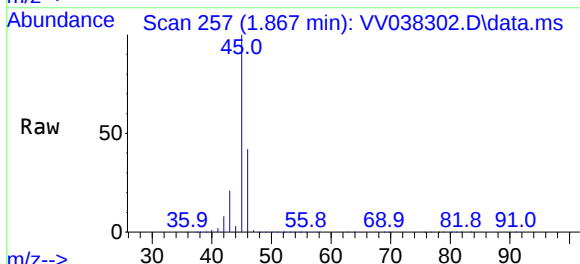
Instrument :
MSVOA_V
ClientSampleId :

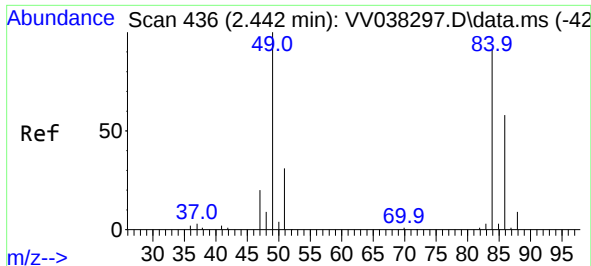
Tgt Ion:101 Resp: 4543
Ion Ratio Lower Upper
101 100
85 41.3 33.4 50.0
151 60.8 58.8 88.2



#13
Acetone
Concen: 731.302 ug/L
RT: 1.867 min Scan# 257
Delta R.T. -0.254 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

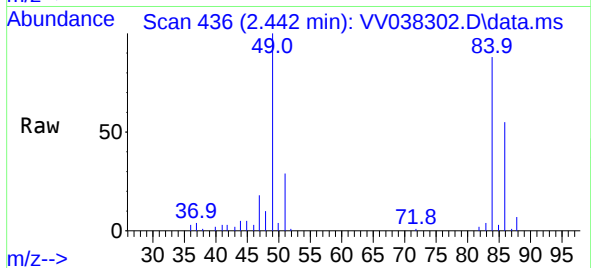
Tgt Ion: 43 Resp: 1296595
Ion Ratio Lower Upper
43 100
58 0.0 0.0 67.2





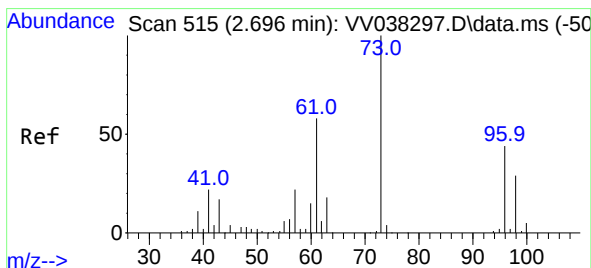
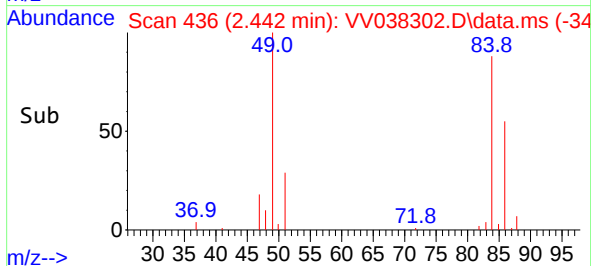
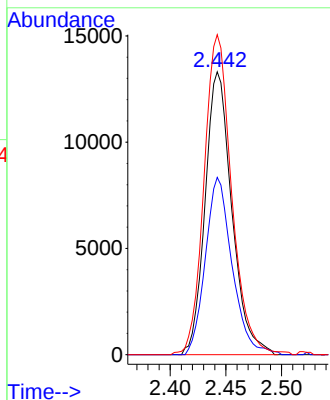
#16
Methylene chloride
Concen: 1.748 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 22262

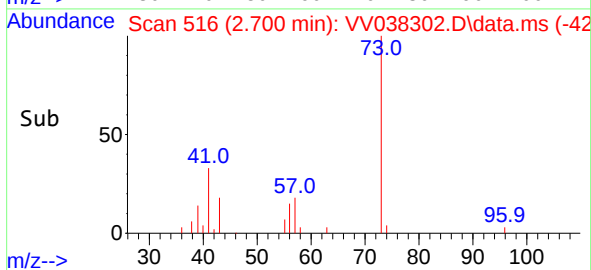
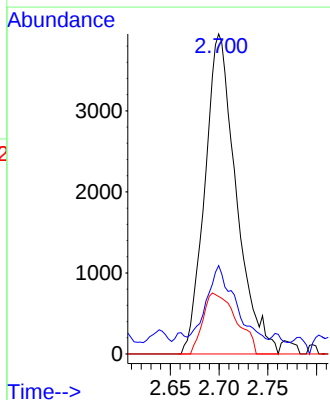
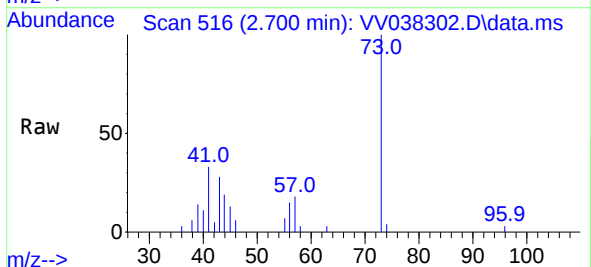
Ion	Ratio	Lower	Upper
84	100		
86	62.7	44.2	82.2
49	113.1	74.9	139.1

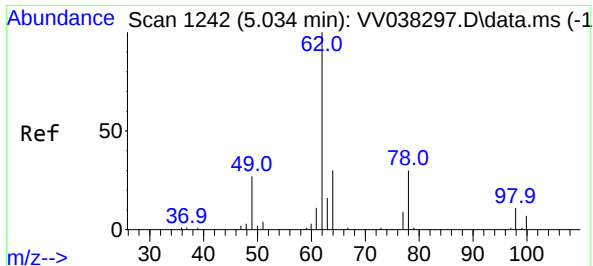


#17
Methyl tert-butyl Ether
Concen: 0.349 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

Tgt Ion: 73 Resp: 8801

Ion	Ratio	Lower	Upper
73	100		
43	26.2	14.2	21.2#
57	20.2	17.6	26.4

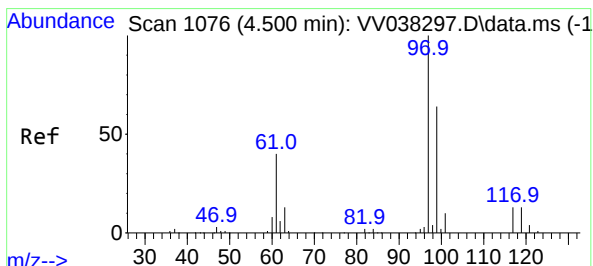
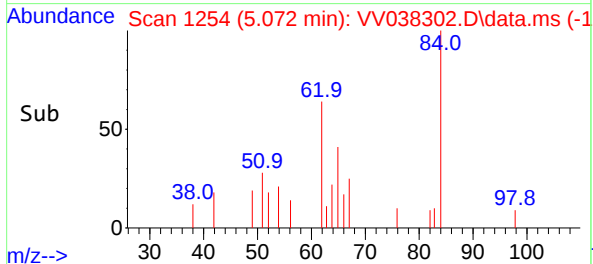
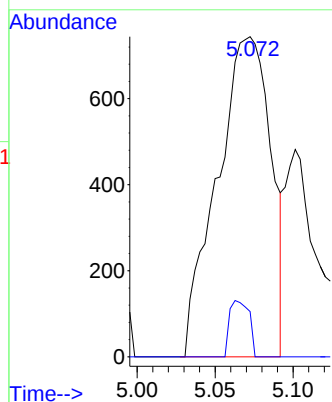
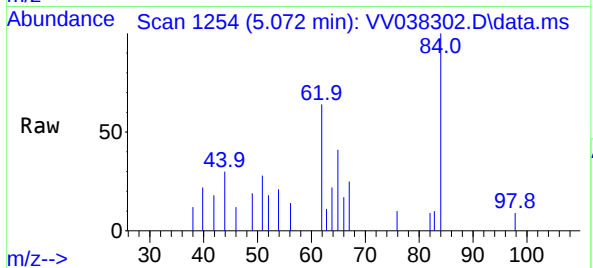




#27
1,2-Dichloroethane
Concen: 0.144 ug/L
RT: 5.072 min Scan# 11
Delta R.T. 0.036 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

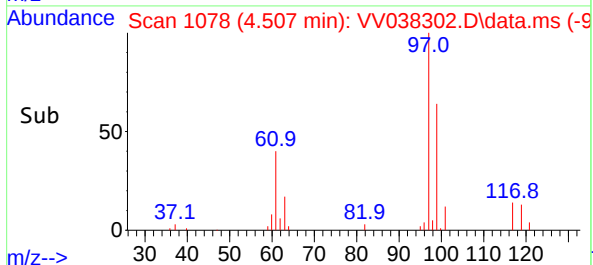
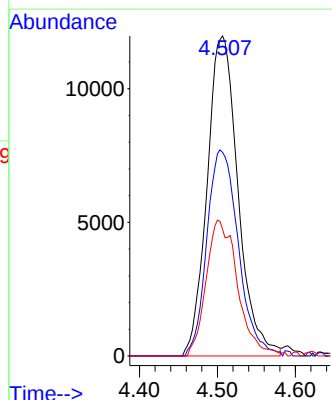
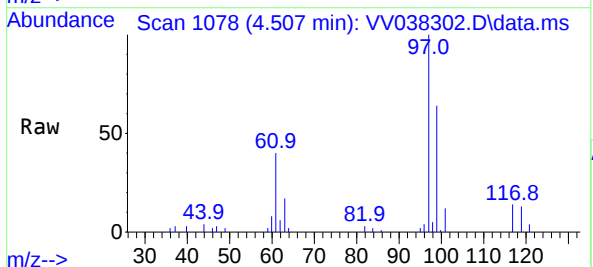
Instrument :
MSVOA_V
ClientSampleId :

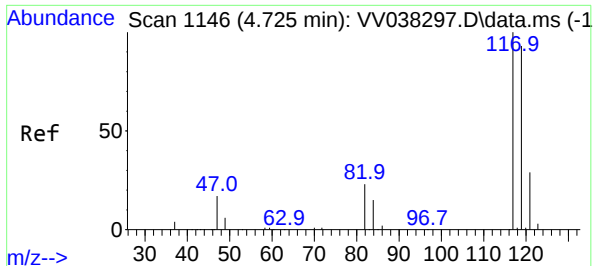
Tgt Ion: 62 Resp: 1784
Ion Ratio Lower Upper
62 100
98 14.1 8.2 12.4#



#29
1,1,1-Trichloroethane
Concen: 1.546 ug/L
RT: 4.507 min Scan# 1078
Delta R.T. 0.003 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

Tgt Ion: 97 Resp: 33039
Ion Ratio Lower Upper
97 100
99 65.5 51.8 77.8
61 43.2 32.2 48.2

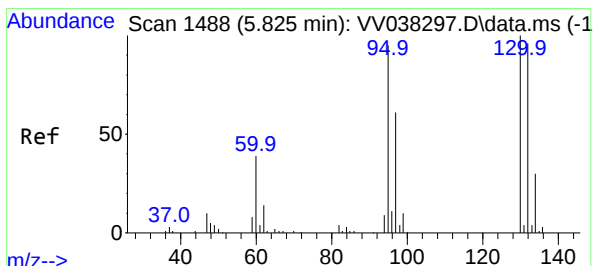
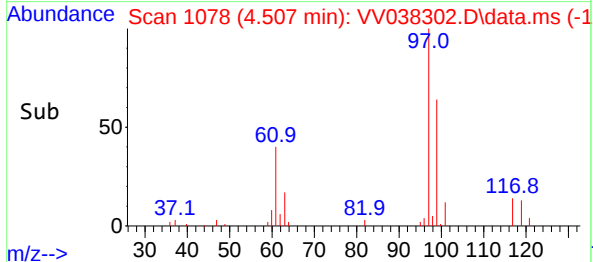
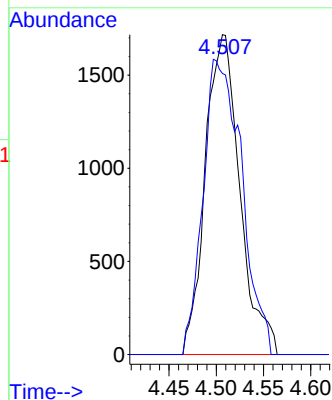
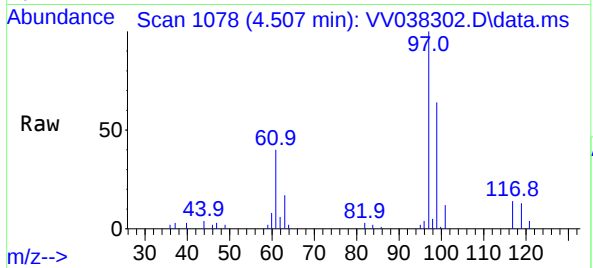




#31
Carbon tetrachloride
Concen: 0.231 ug/L
RT: 4.507 min Scan# 1146
Delta R.T. -0.218 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

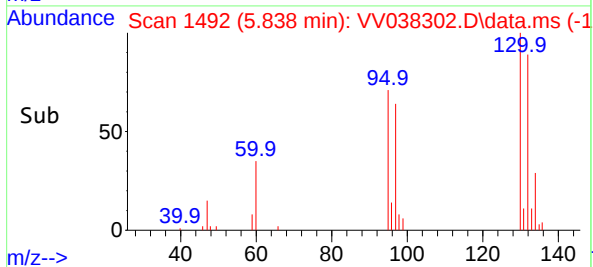
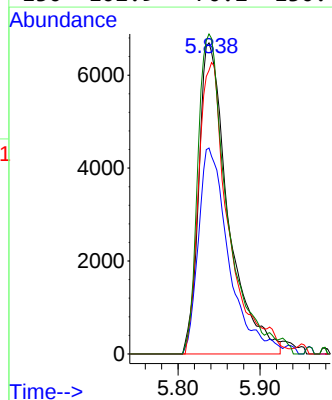
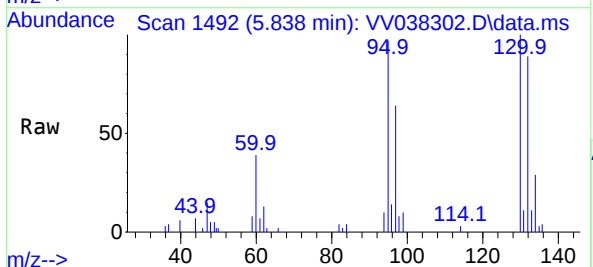
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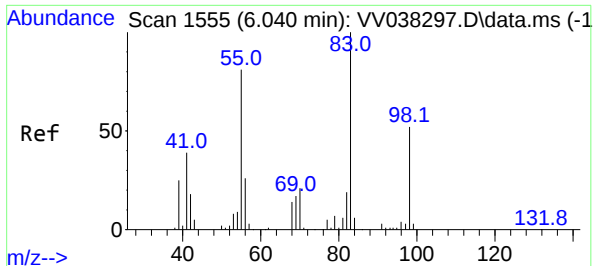
Tgt Ion:117 Resp: 4362
Ion Ratio Lower Upper
117 100
119 103.0 77.4 116.2



#34
Trichloroethene
Concen: 1.225 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.010 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

Tgt Ion: 95 Resp: 16718
Ion Ratio Lower Upper
95 100
97 66.2 44.8 83.2
132 91.2 68.3 126.8
130 102.9 70.2 130.4

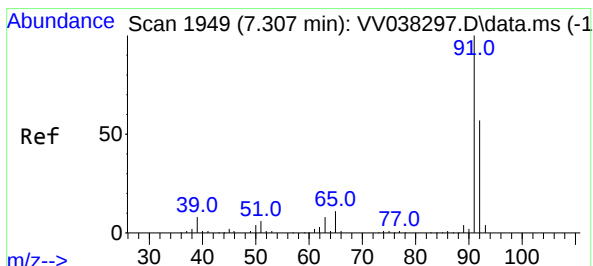
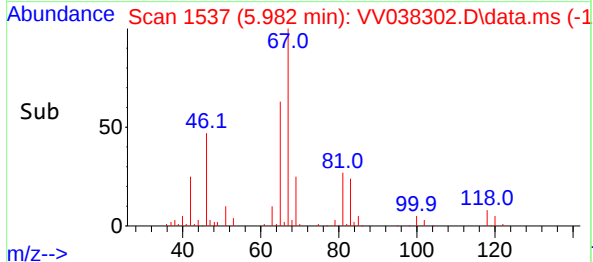
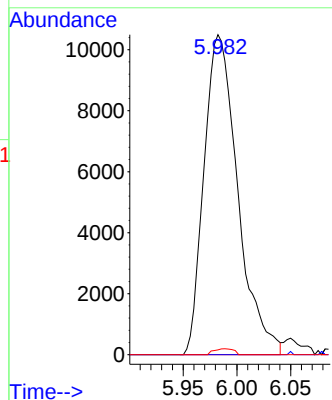
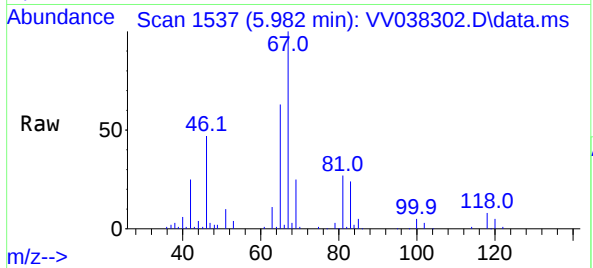




#35
Methylcyclohexane
Concen: 1.187 ug/L
RT: 5.982 min Scan# 11
Delta R.T. -0.058 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

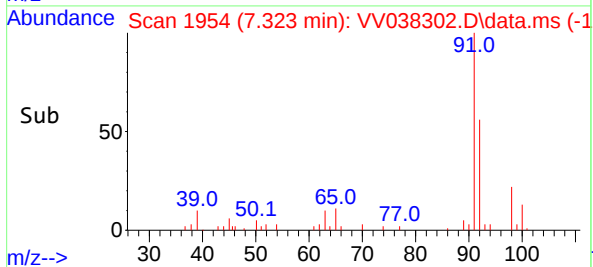
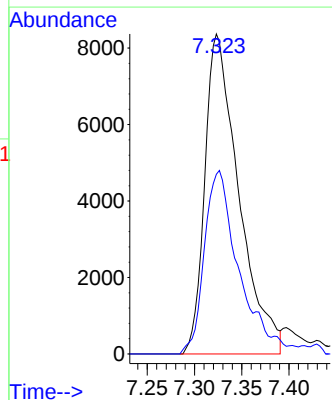
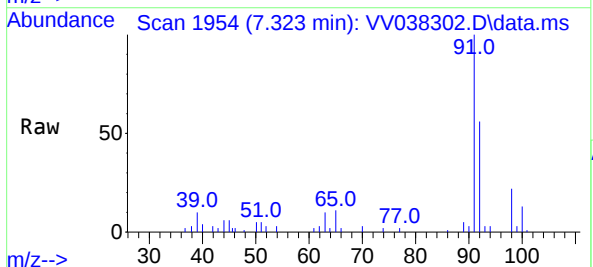
Instrument :
MSVOA_V
ClientSampleId :

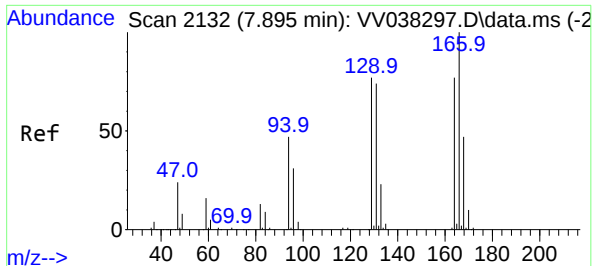
Tgt Ion: 83 Resp: 22908
Ion Ratio Lower Upper
83 100
55 0.1 59.7 89.5#
98 1.1 39.0 58.4#



#42
Toluene
Concen: 0.394 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.016 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

Tgt Ion: 91 Resp: 20895
Ion Ratio Lower Upper
91 100
92 56.1 40.8 75.8





#47

Tetrachloroethene

Concen: 4.885 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.003 min

Lab File: VV038302.D

Acq: 23 Nov 2024 16:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:164 Resp: 53568

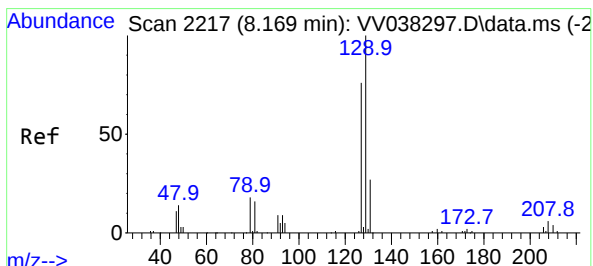
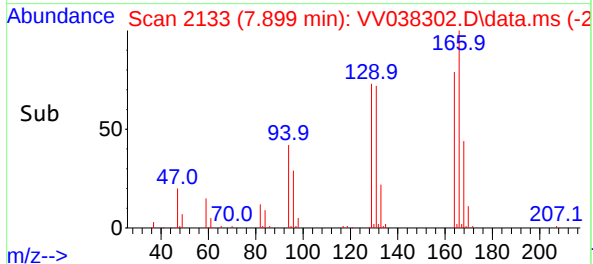
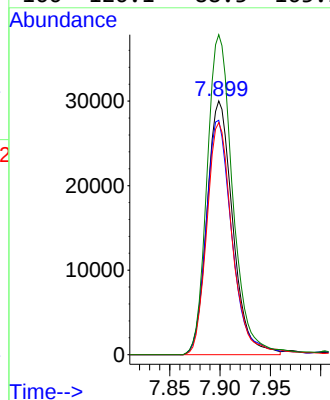
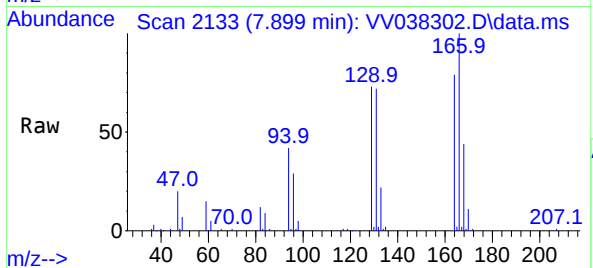
Ion Ratio Lower Upper

164 100

129 92.4 68.5 127.1

131 91.4 64.8 120.4

166 126.1 88.3 163.9



#49

Dibromochloromethane

Concen: 4.321 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.270 min

Lab File: VV038302.D

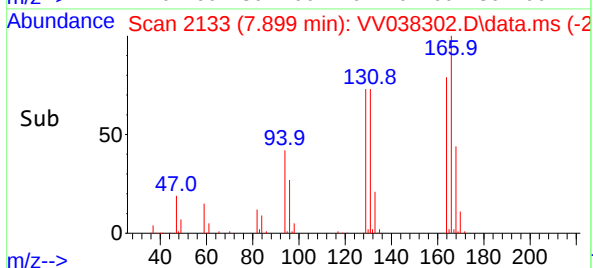
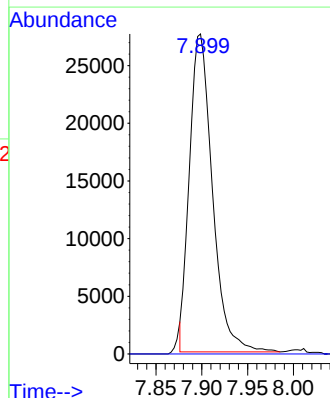
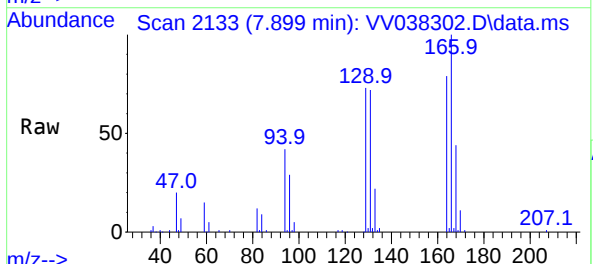
Acq: 23 Nov 2024 16:48

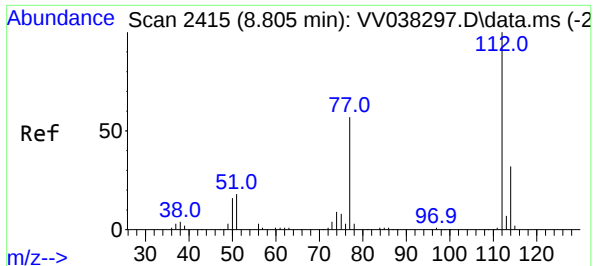
Tgt Ion:129 Resp: 47901

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#





#51

Chlorobenzene

Concen: 0.307 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.007 min

Lab File: VV038302.D

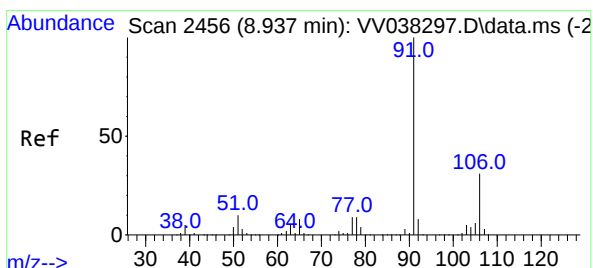
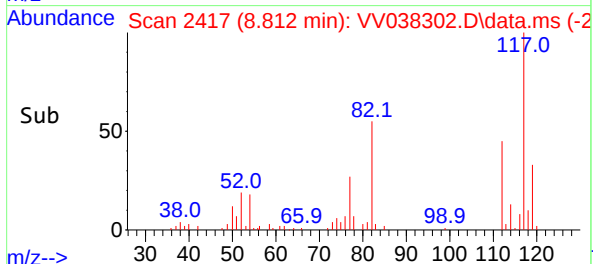
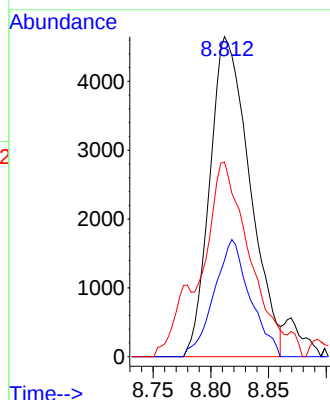
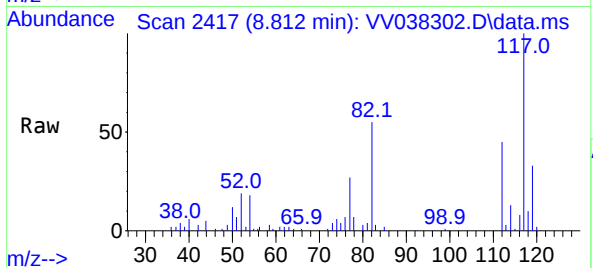
Acq: 23 Nov 2024 16:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	112	Resp:	11198
Ion	Ratio	Lower	Upper
112	100		
114	30.2	22.0	40.8
77	60.9	45.0	67.4



#52

Ethylbenzene

Concen: 0.108 ug/L

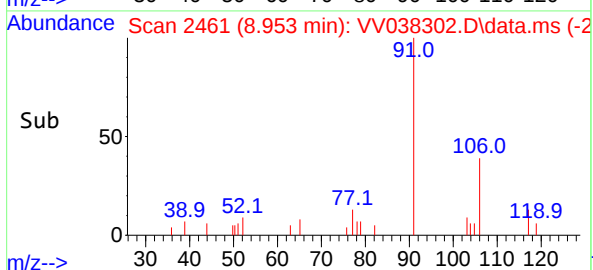
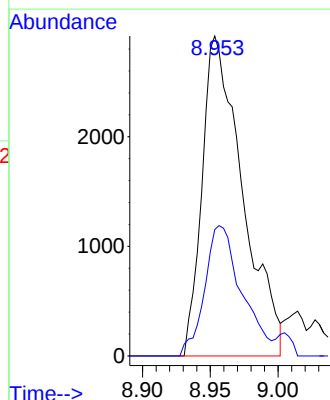
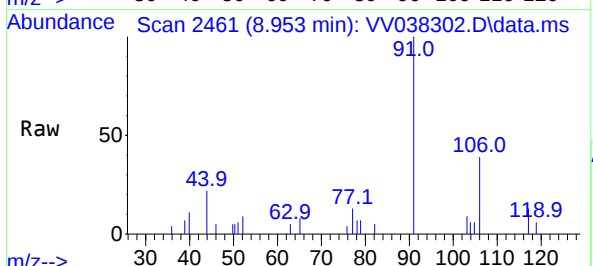
RT: 8.953 min Scan# 2461

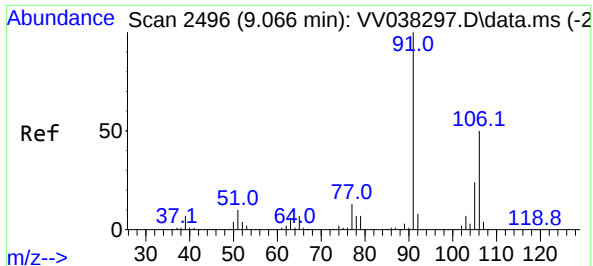
Delta R.T. 0.016 min

Lab File: VV038302.D

Acq: 23 Nov 2024 16:48

Tgt Ion:	91	Resp:	6061
Ion	Ratio	Lower	Upper
91	100		
106	39.5	21.8	40.4

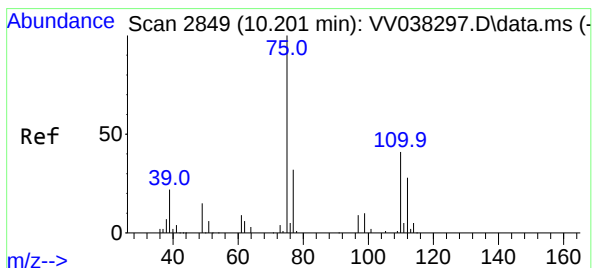
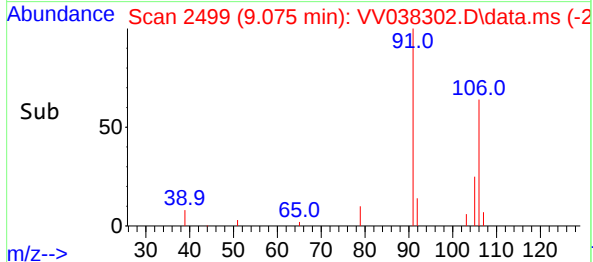
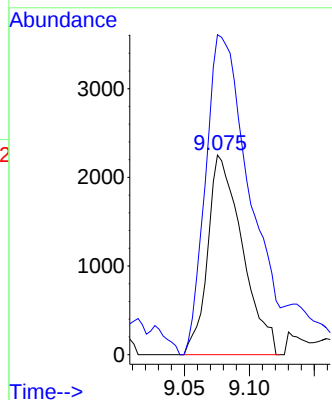
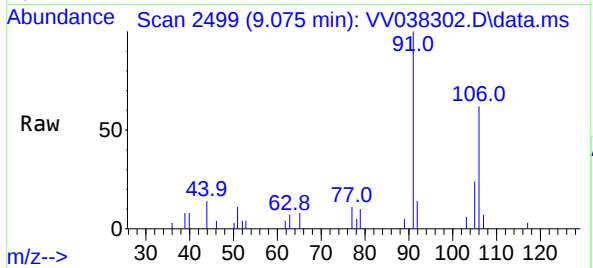




#53
m,p-Xylene
Concen: 0.196 ug/L
RT: 9.075 min Scan# 24
Delta R.T. 0.010 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

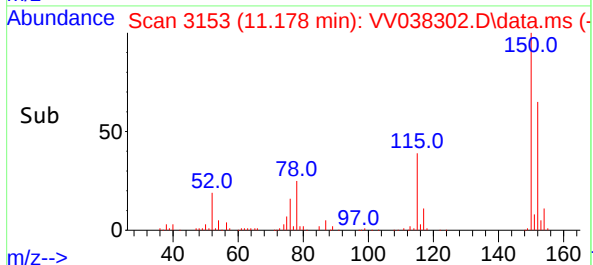
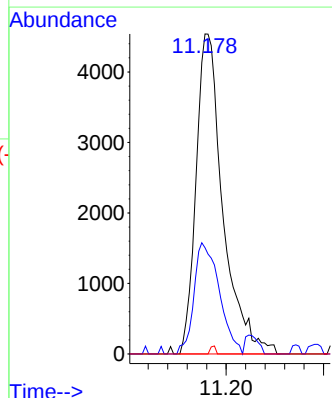
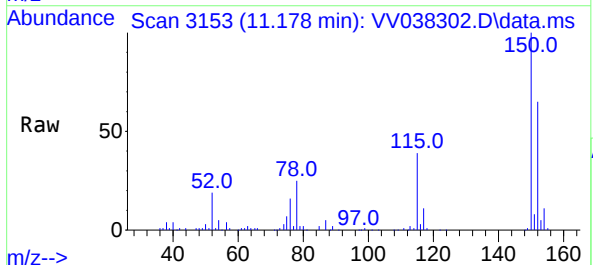
Instrument :
MSVOA_V
ClientSampleId :

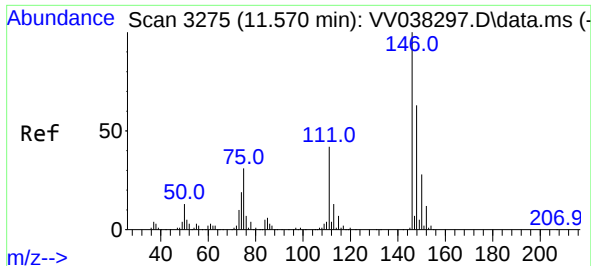
Tgt Ion:106 Resp: 4166
Ion Ratio Lower Upper
106 100
91 160.2 138.7 257.5



#61
1,2,3-Trichloropropane
Concen: 1.370 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.974 min
Lab File: VV038302.D
Acq: 23 Nov 2024 16:48

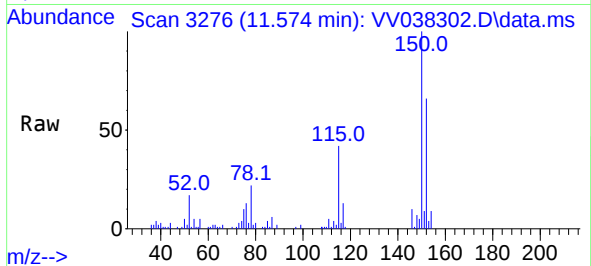
Tgt Ion: 75 Resp: 8681
Ion Ratio Lower Upper
75 100
77 32.7 26.4 39.6
110 0.5 32.3 48.5#





#67
 1,2-Dichlorobenzene
 Concen: 0.190 ug/L
 RT: 11.574 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV038302.D
 Acq: 23 Nov 2024 16:48

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	146	Resp:	4026
Ion	Ratio	Lower	Upper
146	100		
111	50.6	34.2	51.2
148	65.4	51.0	76.4

