

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW112324\
 Data File : VW038314.D
 Acq On : 23 Nov 2024 21:38
 Operator : SY/MD
 Sample : P4884-04
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 23 23:02:58 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	5.529	114	229595	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	248975	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	103410	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	55745	3.168	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.400%
7) Chloroethane-d5	1.529	69	58023	4.076	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.600%
11) 1,1-Dichloroethene-d2	2.053	65	25641	3.386	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.800%
20) 2-Butanone-d5	3.783	46	158823	45.115	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.220%
24) Chloroform-d	4.240	84	152510	4.465	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
26) 1,2-Dichloroethane-d4	4.937	65	74162	4.839	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	4.954	84	260250	4.044	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.800%
36) 1,2-Dichloropropane-d6	5.982	67	89824	4.536	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.240	98	198044	3.326	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.600%#
43) trans-1,3-Dichloroprop...	7.558	79	28782	3.910	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.200%
46) 2-Hexanone-d5	8.018	63	118979	41.577	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.160%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	74927	4.457	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.200%
66) 1,2-Dichlorobenzene-d4	11.555	152	89586	5.085	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	5841	0.269	ug/L	96
9) Trichlorofluoromethane	1.709	101	7506	0.249	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	4351	0.253	ug/L #	86
13) Acetone	1.854	43	2655646	1019.957	ug/L	41
16) Methylene chloride	2.442	84	28838	1.542	ug/L	98
17) Methyl tert-butyl Ether	2.700	73	8240	0.222	ug/L #	88
27) 1,2-Dichloroethane	5.069	62	3371	0.185	ug/L #	79
29) 1,1,1-Trichloroethane	4.507	97	34748	1.164	ug/L	99
31) Carbon tetrachloride	4.503	117	4163	0.158	ug/L	87
34) Trichloroethene	5.838	95	15006	0.787	ug/L	94
35) Methylcyclohexane	5.979	83	21995	0.816	ug/L #	19
37) 1,2-Dichloropropane	5.979	63	10104	0.577	ug/L #	85
42) Toluene	7.323	91	22530	0.304	ug/L	93
47) Tetrachloroethene	7.899	164	48102	3.140	ug/L	96
49) Dibromochloromethane	7.899	129	43797	2.828	ug/L #	12
51) Chlorobenzene	8.815	112	12210	0.239	ug/L	87
52) Ethylbenzene	8.957	91	6951	0.088	ug/L	91
53) m,p-Xylene	9.076	106	4405	0.149	ug/L	93
61) 1,2,3-Trichloropropane	11.178	75	12215	1.380	ug/L #	63

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 23 02:01:29 2024
Response via : Initial Calibration

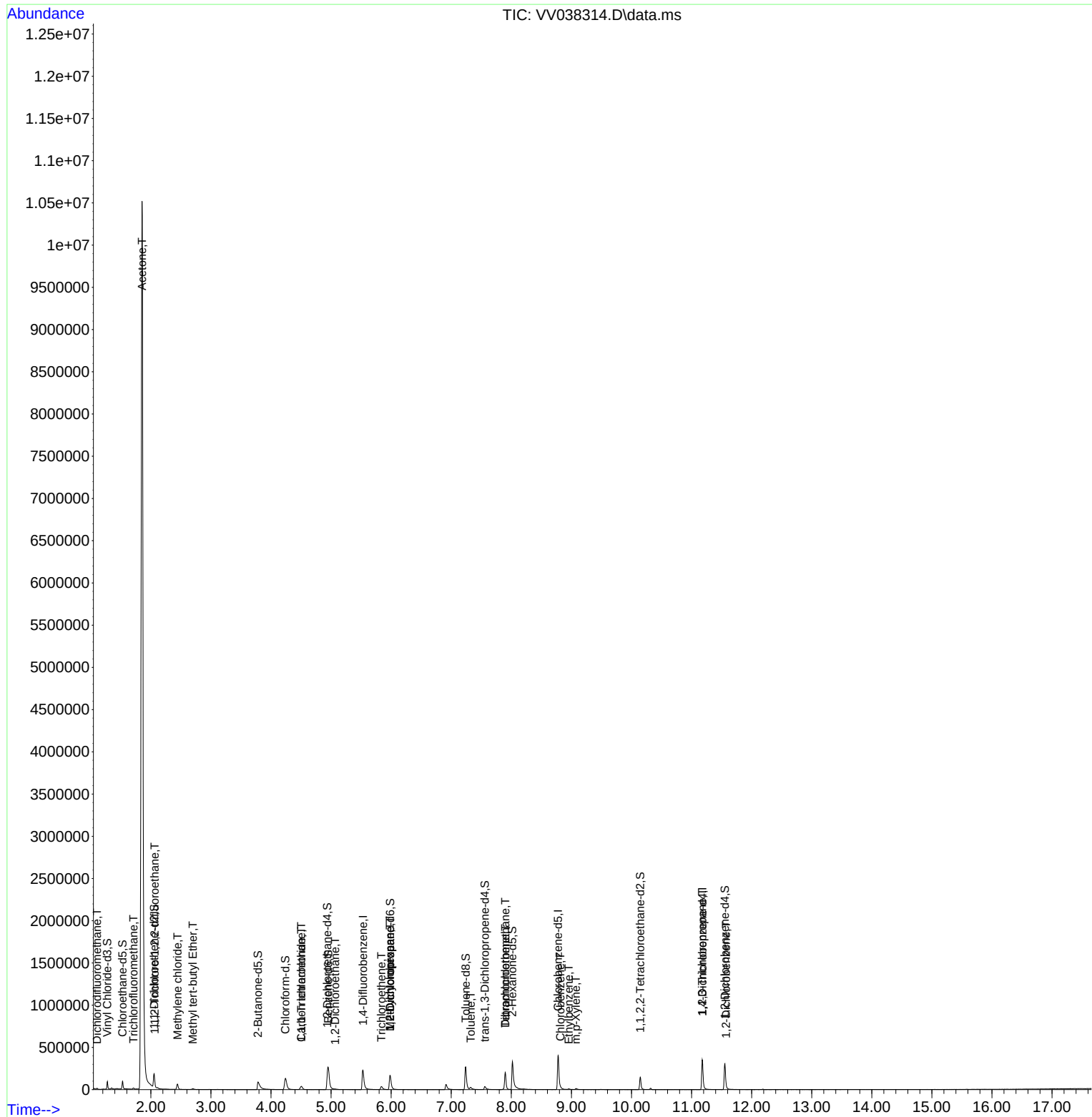
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.574	146	4702	0.159	ug/L	91

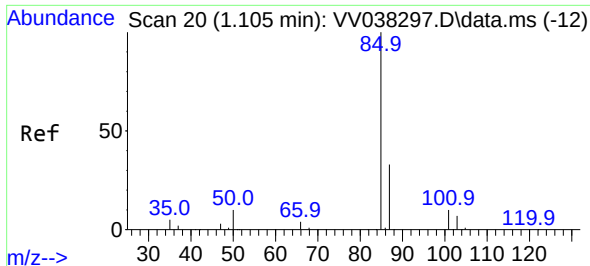
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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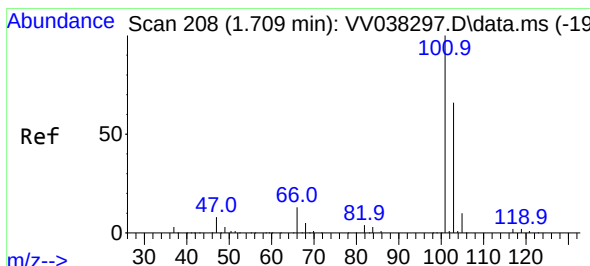
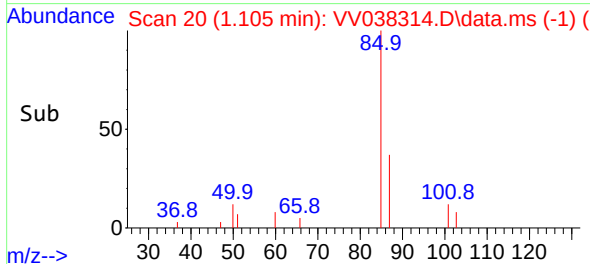
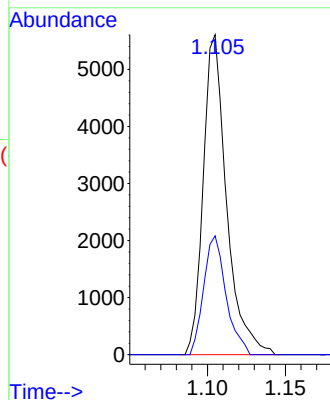
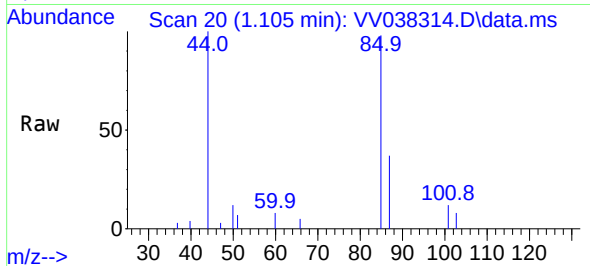




#2
Dichlorodifluoromethane
Concen: 0.269 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV038314.D
Acq: 23 Nov 2024 21:38

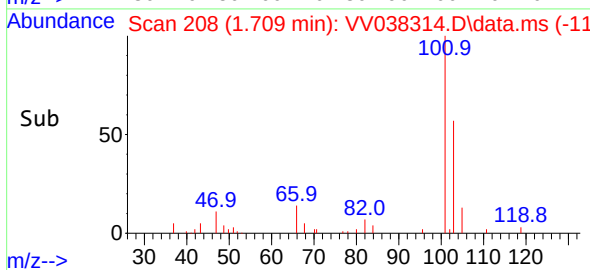
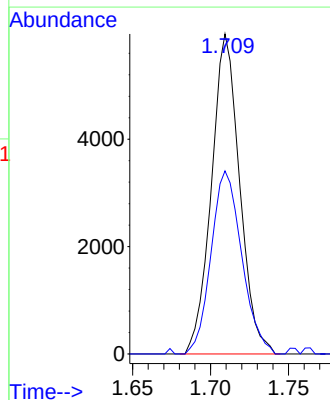
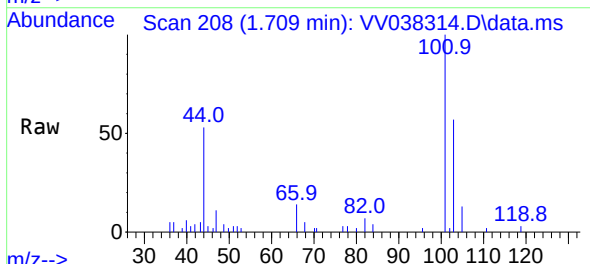
Instrument :
MSVOA_V
ClientSampleId :

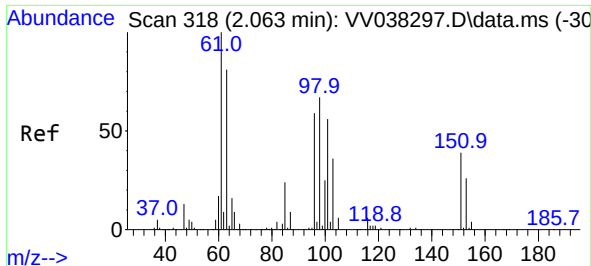
Tgt Ion: 85 Resp: 5841
Ion Ratio Lower Upper
85 100
87 35.6 26.5 39.7



#9
Trichlorofluoromethane
Concen: 0.249 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV038314.D
Acq: 23 Nov 2024 21:38

Tgt Ion: 101 Resp: 7506
Ion Ratio Lower Upper
101 100
103 62.2 51.5 77.3

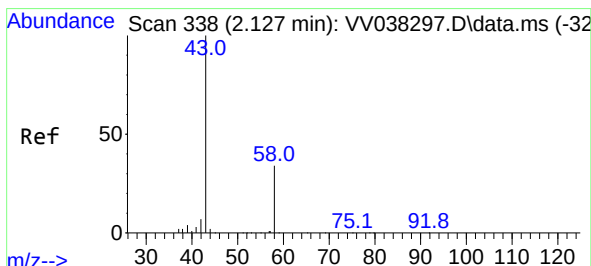
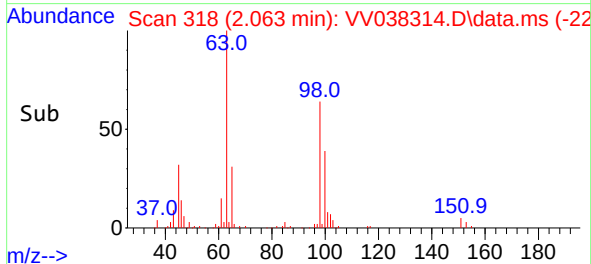
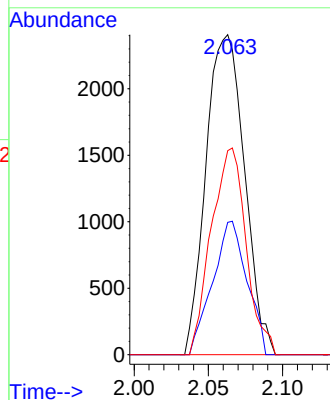
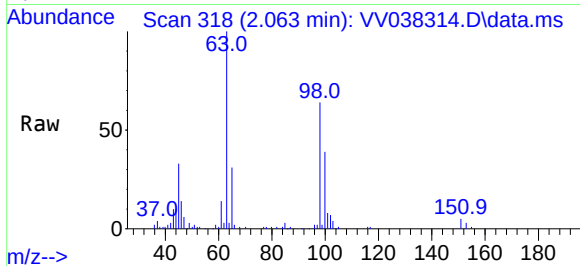




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.253 ug/L
RT: 2.063 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV038314.D
Acq: 23 Nov 2024 21:38

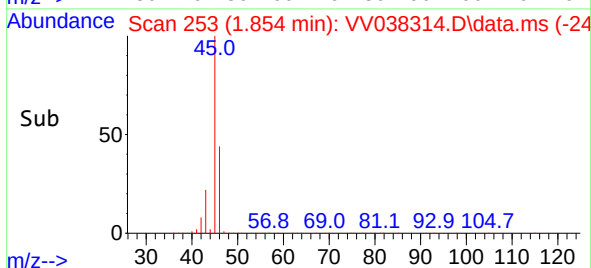
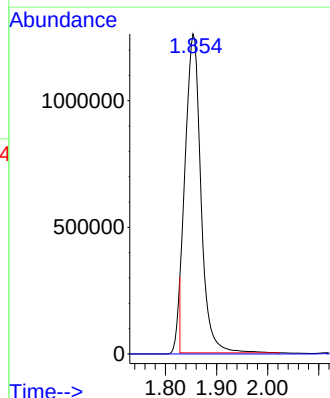
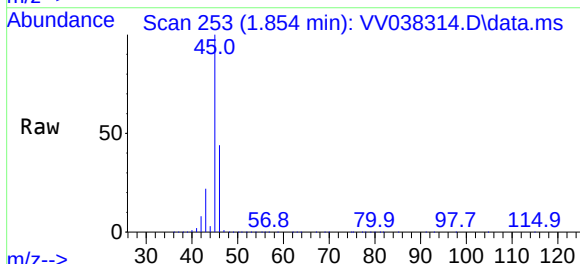
Instrument :
MSVOA_V
ClientSampleId :

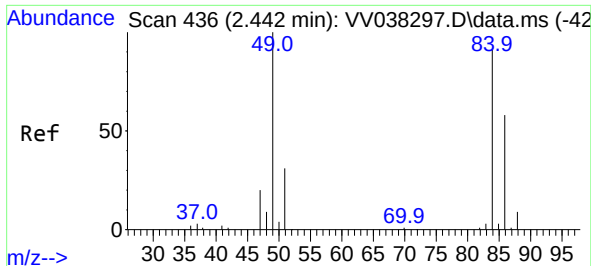
Tgt Ion:101 Resp: 4351
Ion Ratio Lower Upper
101 100
85 37.4 33.4 50.0
151 58.5 58.8 88.2#



#13
Acetone
Concen: 1019.957 ug/L
RT: 1.854 min Scan# 253
Delta R.T. -0.267 min
Lab File: VV038314.D
Acq: 23 Nov 2024 21:38

Tgt Ion: 43 Resp: 2655646
Ion Ratio Lower Upper
43 100
58 0.0 0.0 67.2

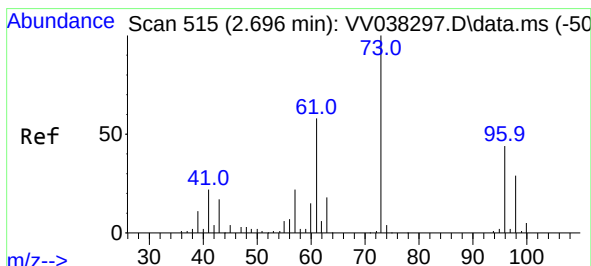
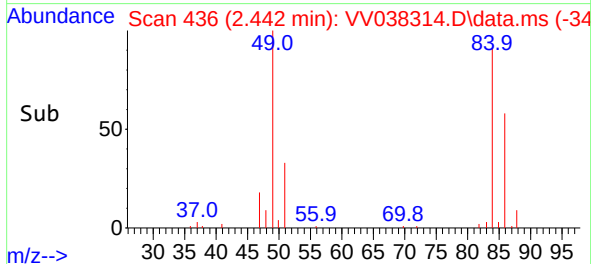
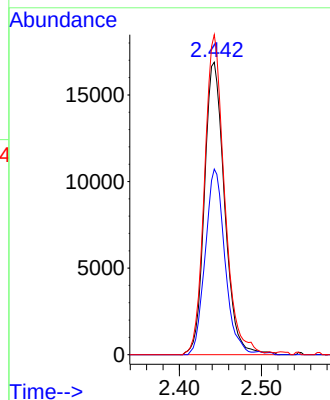
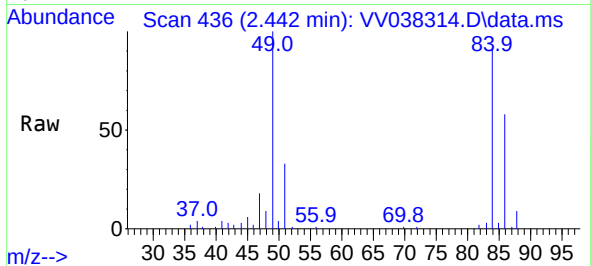




#16
Methylene chloride
Concen: 1.542 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV038314.D
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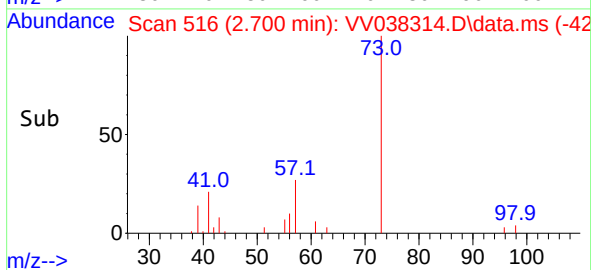
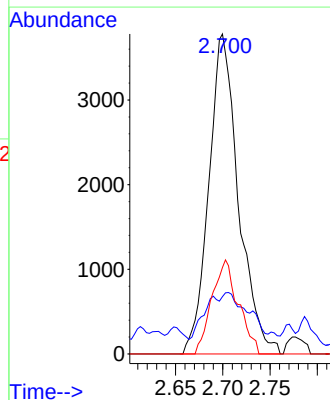
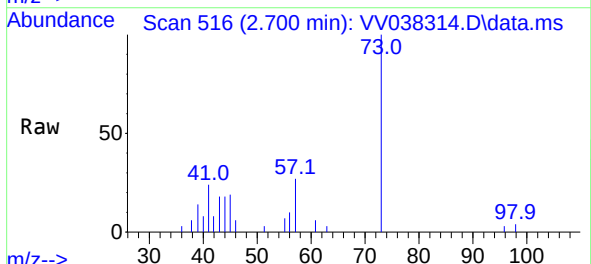
Instrument :
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ClientSampleId :

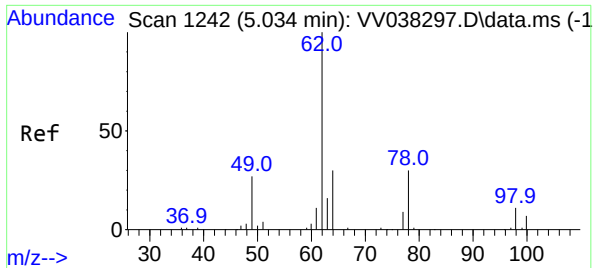
Tgt Ion: 84 Resp: 28838
Ion Ratio Lower Upper
84 100
86 63.5 44.2 82.2
49 109.4 74.9 139.1



#17
Methyl tert-butyl Ether
Concen: 0.222 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV038314.D
Acq: 23 Nov 2024 21:38

Tgt Ion: 73 Resp: 8240
Ion Ratio Lower Upper
73 100
43 10.4 14.2 21.2#
57 26.2 17.6 26.4

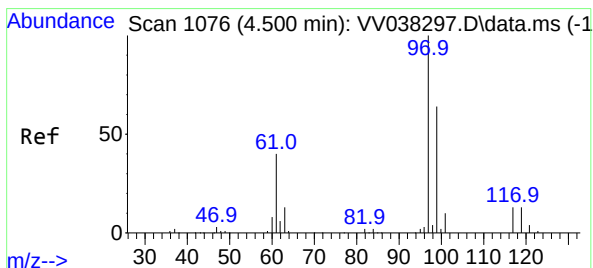
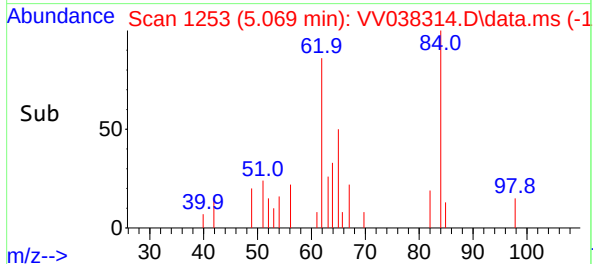
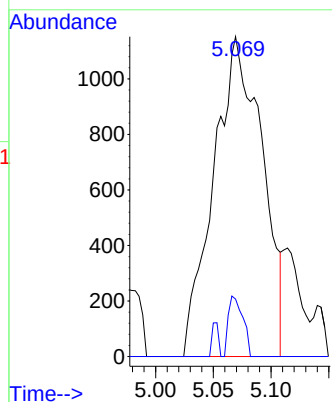
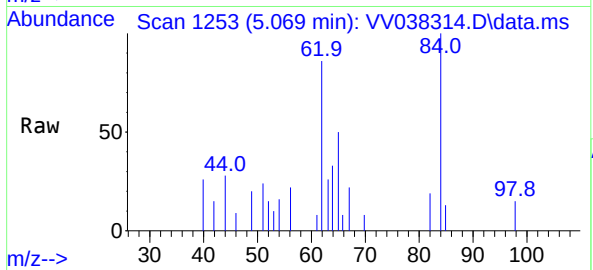




#27
1,2-Dichloroethane
Concen: 0.185 ug/L
RT: 5.069 min Scan# 11
Delta R.T. 0.032 min
Lab File: VV038314.D
Acq: 23 Nov 2024 21:38

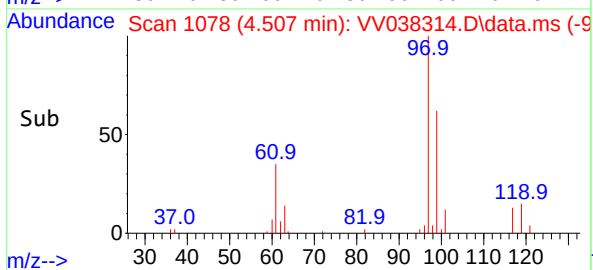
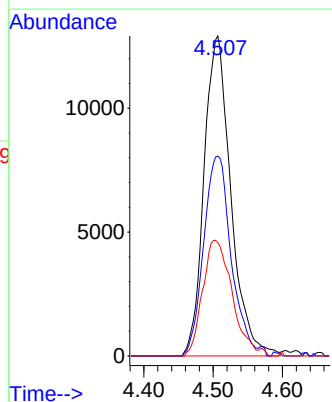
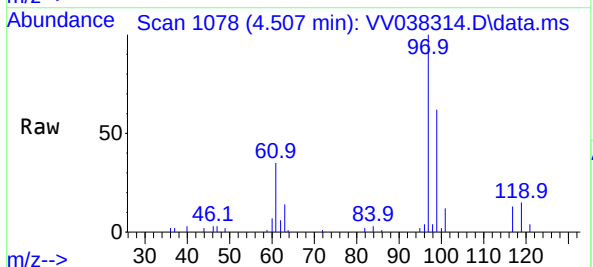
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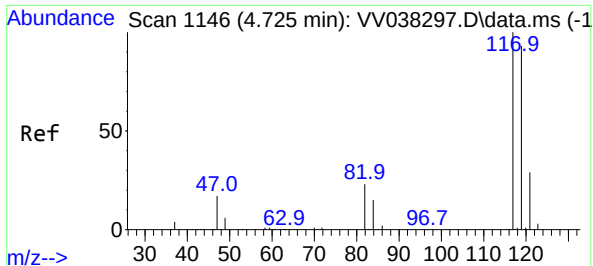
Tgt Ion: 62 Resp: 3371
Ion Ratio Lower Upper
62 100
98 18.0 8.2 12.4#



#29
1,1,1-Trichloroethane
Concen: 1.164 ug/L
RT: 4.507 min Scan# 1078
Delta R.T. 0.003 min
Lab File: VV038314.D
Acq: 23 Nov 2024 21:38

Tgt Ion: 97 Resp: 34748
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.8
61 39.4 32.2 48.2

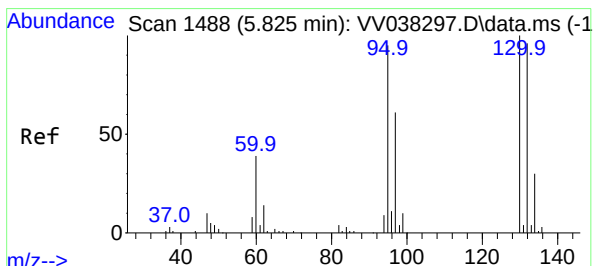
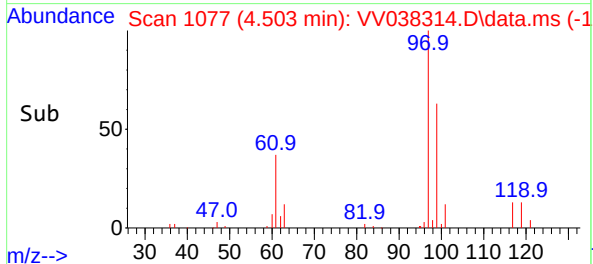
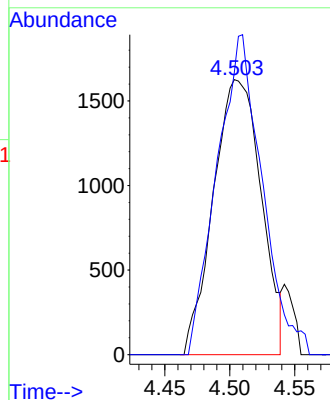
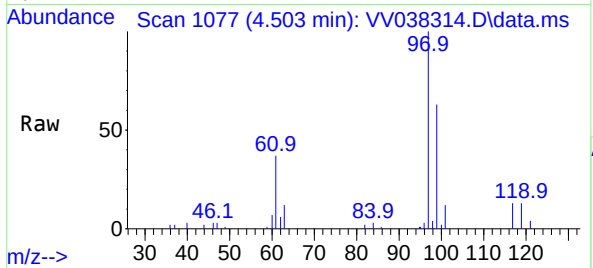




#31
Carbon tetrachloride
Concen: 0.158 ug/L
RT: 4.503 min Scan# 1146
Delta R.T. -0.222 min
Lab File: VV038314.D
Acq: 23 Nov 2024 21:38

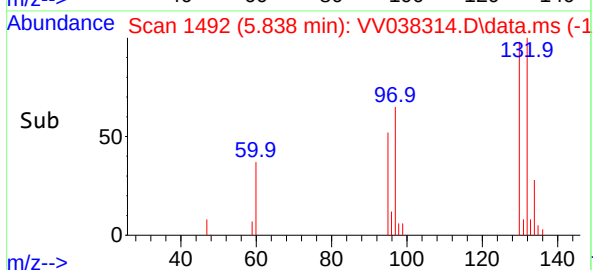
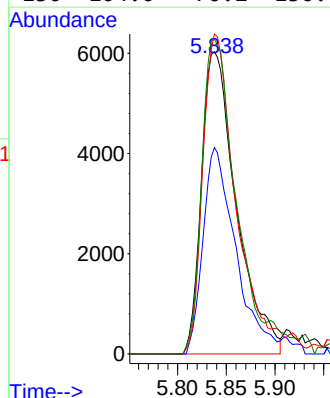
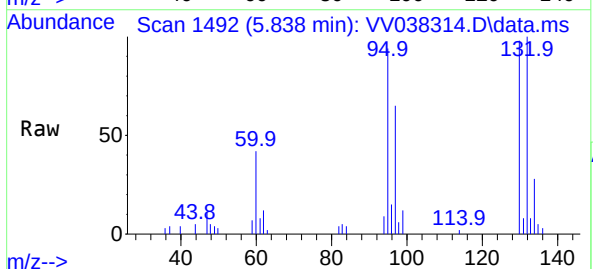
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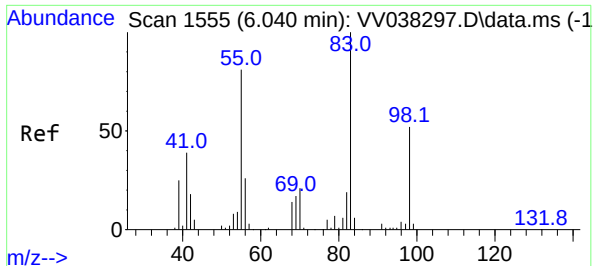
Tgt Ion:117 Resp: 4163
Ion Ratio Lower Upper
117 100
119 110.0 77.4 116.2



#34
Trichloroethene
Concen: 0.787 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.010 min
Lab File: VV038314.D
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Tgt Ion: 95 Resp: 15006
Ion Ratio Lower Upper
95 100
97 68.3 44.8 83.2
132 105.9 68.3 126.8
130 104.0 70.2 130.4

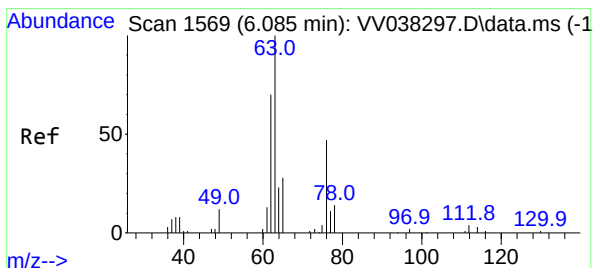
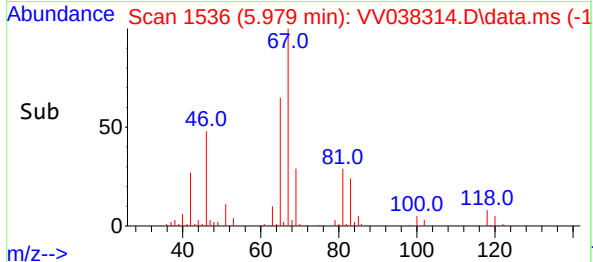
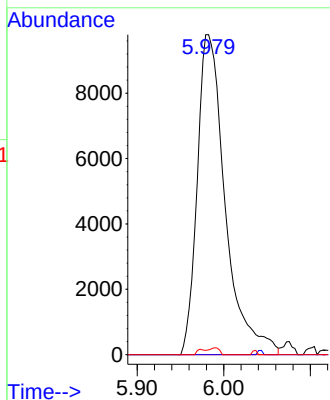
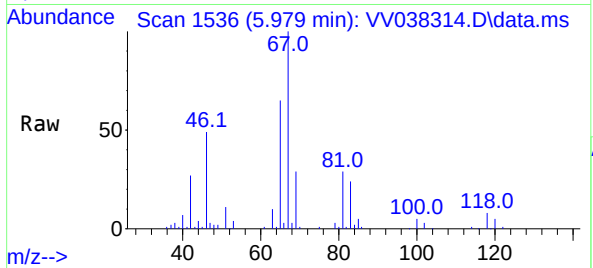




#35
Methylcyclohexane
Concen: 0.816 ug/L
RT: 5.979 min Scan# 1536
Delta R.T. -0.061 min
Lab File: VV038314.D
Acq: 23 Nov 2024 21:38

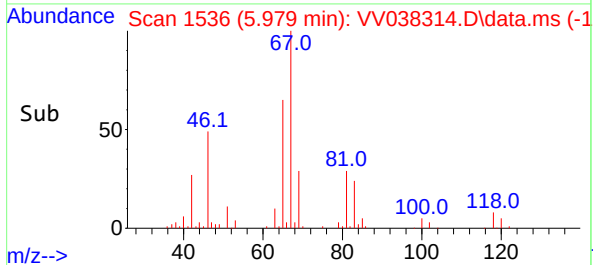
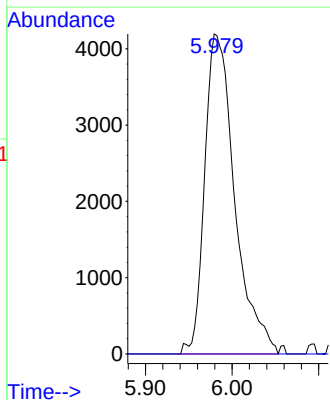
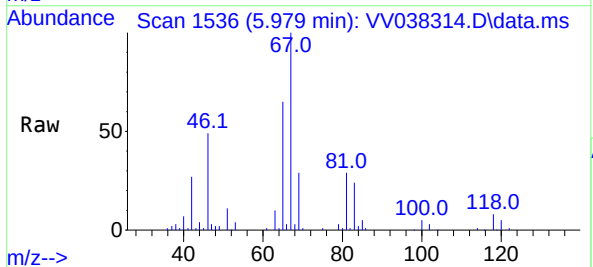
Instrument :
MSVOA_V
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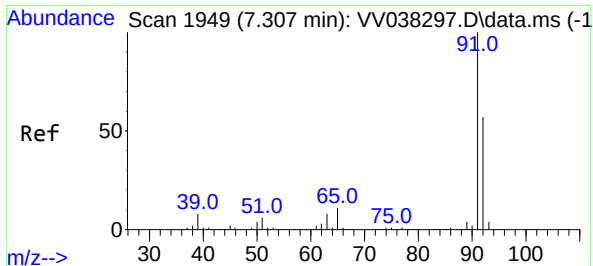
Tgt Ion: 83 Resp: 21995
Ion Ratio Lower Upper
83 100
55 0.0 59.7 89.5#
98 0.5 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.577 ug/L
RT: 5.979 min Scan# 1536
Delta R.T. -0.106 min
Lab File: VV038314.D
Acq: 23 Nov 2024 21:38

Tgt Ion: 63 Resp: 10104
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#





#42

Toluene

Concen: 0.304 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.016 min

Lab File: VV038314.D

Acq: 23 Nov 2024 21:38

Instrument :

MSVOA_V

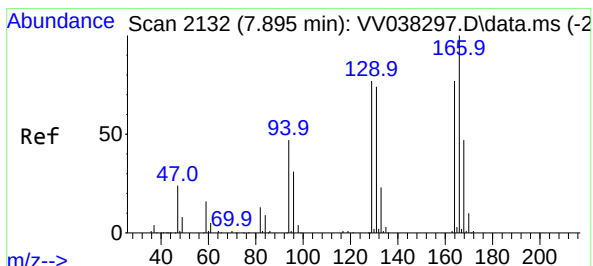
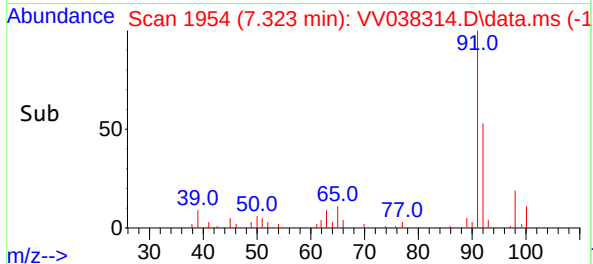
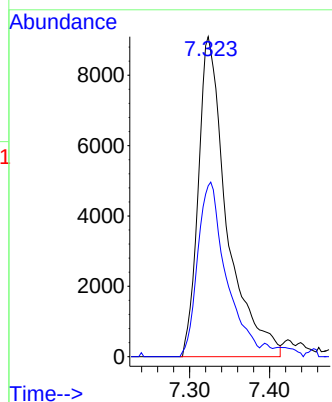
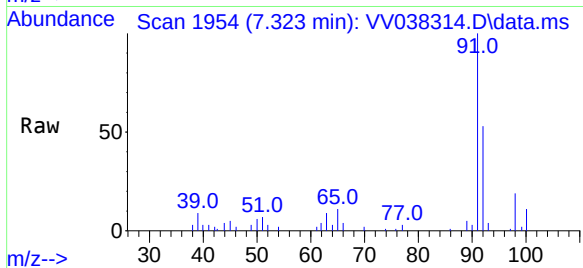
ClientSampleId :

Tgt Ion: 91 Resp: 22530

Ion Ratio Lower Upper

91 100

92 53.4 40.8 75.8



#47

Tetrachloroethene

Concen: 3.140 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.003 min

Lab File: VV038314.D

Acq: 23 Nov 2024 21:38

Tgt Ion: 164 Resp: 48102

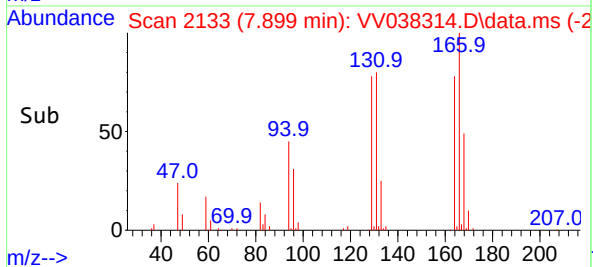
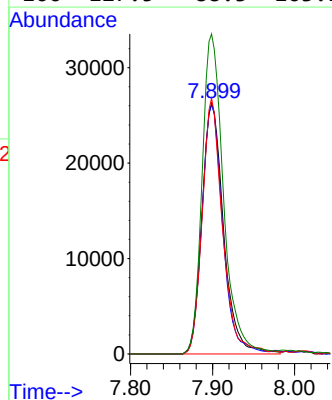
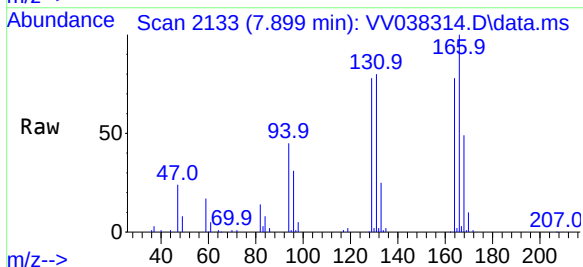
Ion Ratio Lower Upper

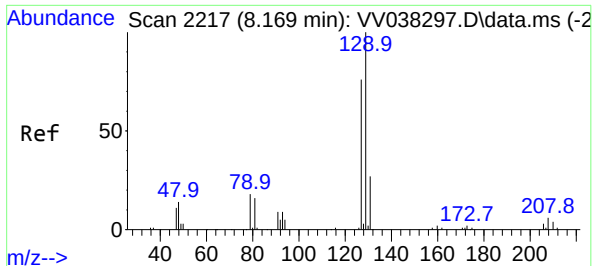
164 100

129 99.4 68.5 127.1

131 102.0 64.8 120.4

166 127.5 88.3 163.9





#49

Dibromochloromethane

Concen: 2.828 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.270 min

Lab File: VV038314.D

Acq: 23 Nov 2024 21:38

Instrument :

MSVOA_V

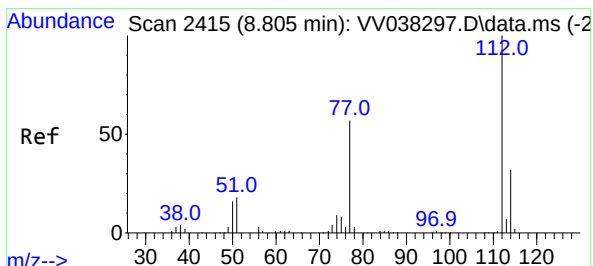
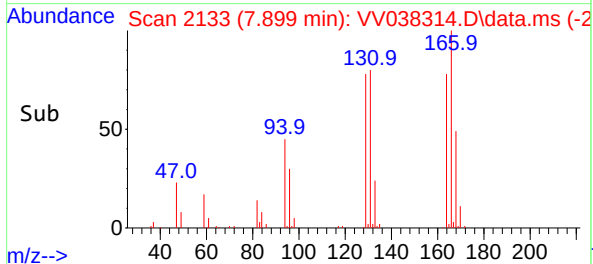
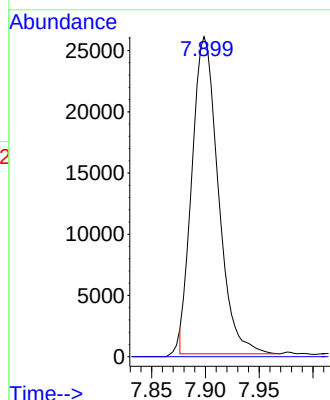
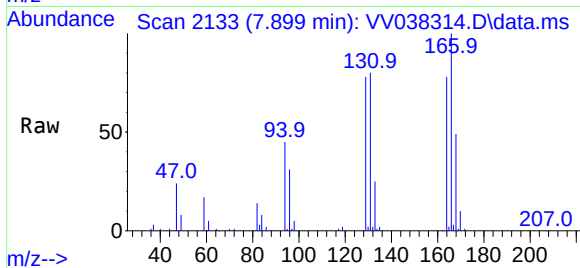
ClientSampleId :

Tgt Ion:129 Resp: 43797

Ion Ratio Lower Upper

129 100

127 0.4 53.5 99.3#



#51

Chlorobenzene

Concen: 0.239 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.010 min

Lab File: VV038314.D

Acq: 23 Nov 2024 21:38

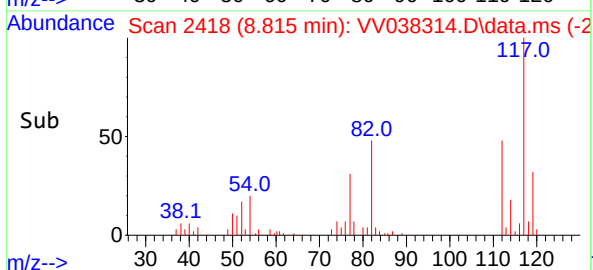
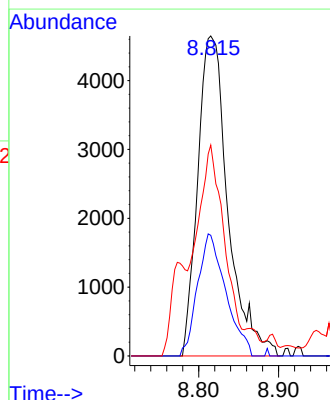
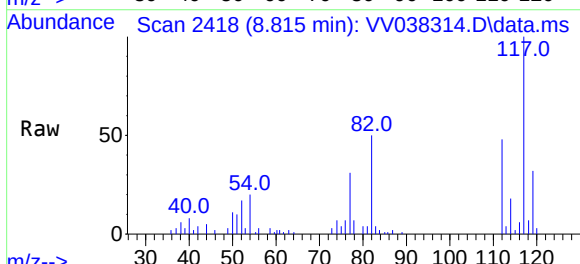
Tgt Ion:112 Resp: 12210

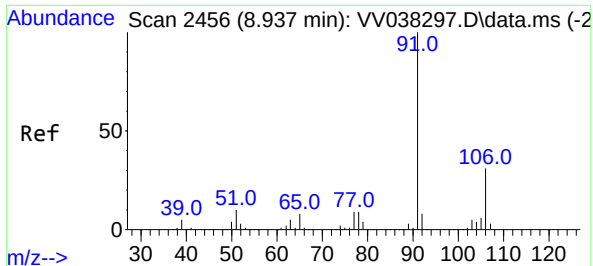
Ion Ratio Lower Upper

112 100

114 37.7 22.0 40.8

77 65.9 45.0 67.4





#52

Ethylbenzene

Concen: 0.088 ug/L

RT: 8.957 min Scan# 2456

Delta R.T. 0.020 min

Lab File: VV038314.D

Acq: 23 Nov 2024 21:38

Instrument :

MSVOA_V

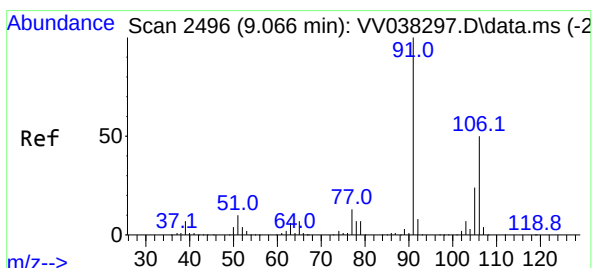
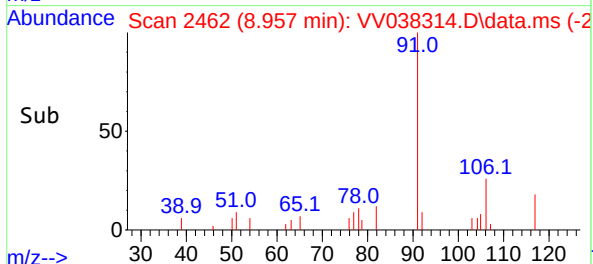
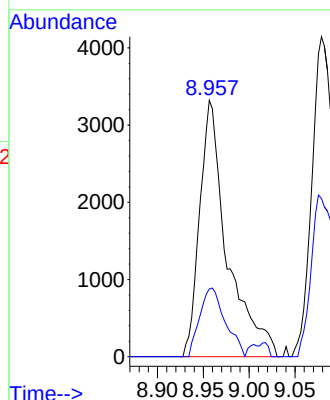
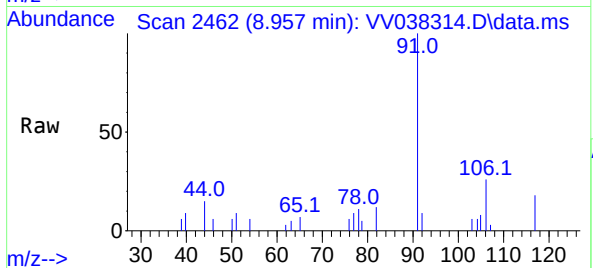
ClientSampleId :

Tgt Ion: 91 Resp: 6951

Ion Ratio Lower Upper

91 100

106 26.4 21.8 40.4



#53

m,p-Xylene

Concen: 0.149 ug/L

RT: 9.076 min Scan# 2499

Delta R.T. 0.010 min

Lab File: VV038314.D

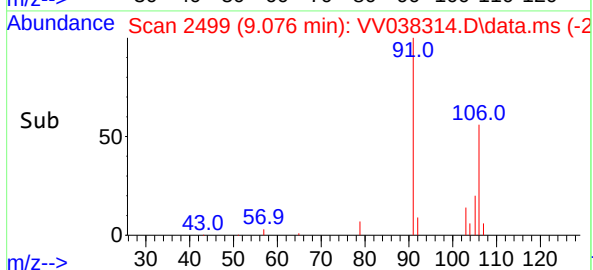
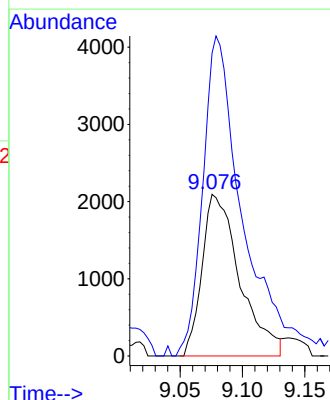
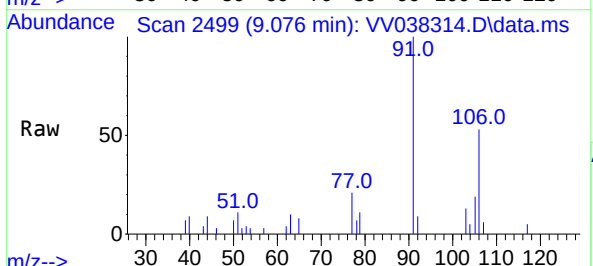
Acq: 23 Nov 2024 21:38

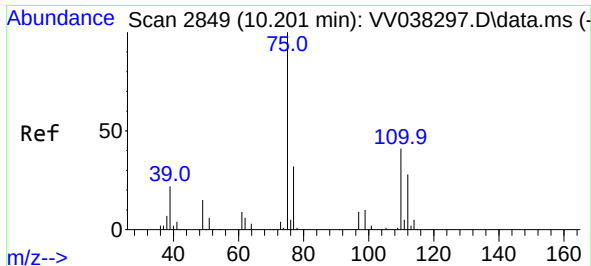
Tgt Ion: 106 Resp: 4405

Ion Ratio Lower Upper

106 100

91 187.2 138.7 257.5

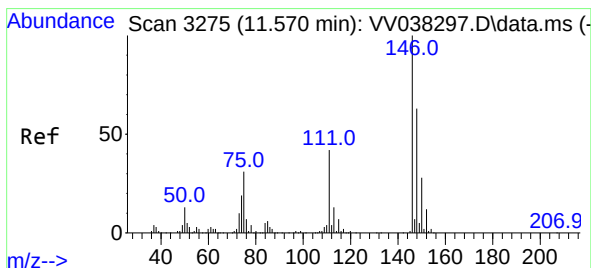
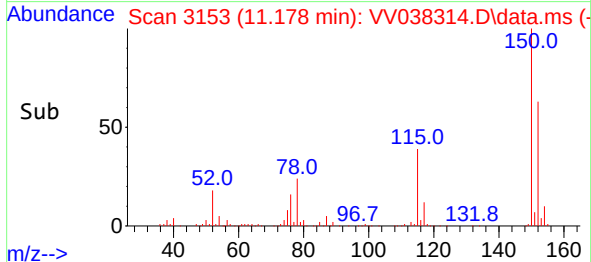
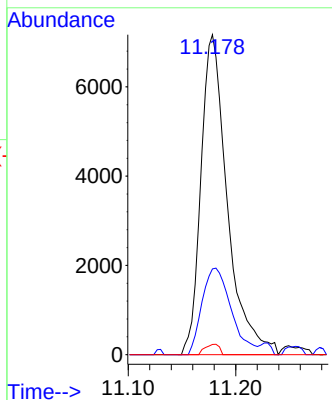
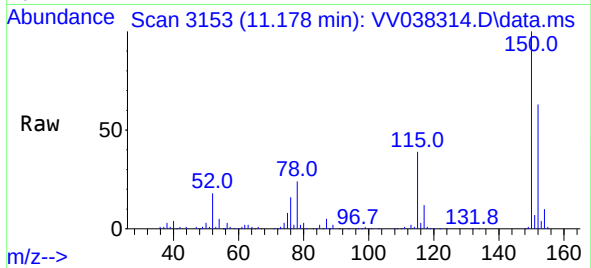




#61
1,2,3-Trichloropropane
Concen: 1.380 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.974 min
Lab File: VV038314.D
Acq: 23 Nov 2024 21:38

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 12215
Ion Ratio Lower Upper
75 100
77 29.9 26.4 39.6
110 1.8 32.3 48.5#



#67
1,2-Dichlorobenzene
Concen: 0.159 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. 0.003 min
Lab File: VV038314.D
Acq: 23 Nov 2024 21:38

Tgt Ion:146 Resp: 4702
Ion Ratio Lower Upper
146 100
111 45.4 34.2 51.2
148 54.1 51.0 76.4

