

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW112324\
 Data File : VW038299.D
 Acq On : 23 Nov 2024 15:36
 Operator : SY/MD
 Sample : P4884-05
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 23 23:01:09 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	263788	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	281500	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	118139	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	71218	3.522	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.400%
7) Chloroethane-d5	1.529	69	75293	4.604	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.056	65	33328	3.830	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.600%
20) 2-Butanone-d5	3.786	46	203767	50.379	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.760%
24) Chloroform-d	4.240	84	191034	4.868	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	4.934	65	87121	4.948	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	4.953	84	323683	4.449	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	5.979	67	110471	4.934	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.236	98	251420	3.735	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.600%
43) trans-1,3-Dichloroprop...	7.555	79	34403	4.133	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.600%
46) 2-Hexanone-d5	8.018	63	152826	47.234	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.460%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	89280	4.698	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.000%
66) 1,2-Dichlorobenzene-d4	11.554	152	106745	5.303	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	6549	0.262	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	4424	0.224	ug/L	87
13) Acetone	1.892	43	1122385	375.198	ug/L	41
15) Methyl Acetate	2.265	43	1238	0.170	ug/L #	47
16) Methylene chloride	2.442	84	22510	1.048	ug/L	96
17) Methyl tert-butyl Ether	2.696	73	317060	7.443	ug/L	100
19) 1,1-Dichloroethane	3.111	63	4820	0.134	ug/L	89
25) Chloroform	4.268	83	6933	0.180	ug/L	97
29) 1,1,1-Trichloroethane	4.503	97	31235	0.925	ug/L	97
31) Carbon tetrachloride	4.503	117	3737	0.125	ug/L	84
34) Trichloroethene	5.844	95	11297	0.524	ug/L	95
35) Methylcyclohexane	5.982	83	28185	0.924	ug/L #	19
42) Toluene	7.323	91	23235	0.277	ug/L	99
47) Tetrachloroethene	7.899	164	49561	2.861	ug/L	97
49) Dibromochloromethane	7.899	129	44808	2.559	ug/L #	11
51) Chlorobenzene	8.815	112	14467	0.251	ug/L	97
52) Ethylbenzene	8.953	91	6863	0.077	ug/L	99
53) m,p-Xylene	9.082	106	5043	0.150	ug/L	85
61) 1,2,3-Trichloropropane	11.178	75	14268	1.411	ug/L #	63

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Quant Time: Nov 23 23:01:09 2024
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 23 02:01:29 2024
Response via : Initial Calibration

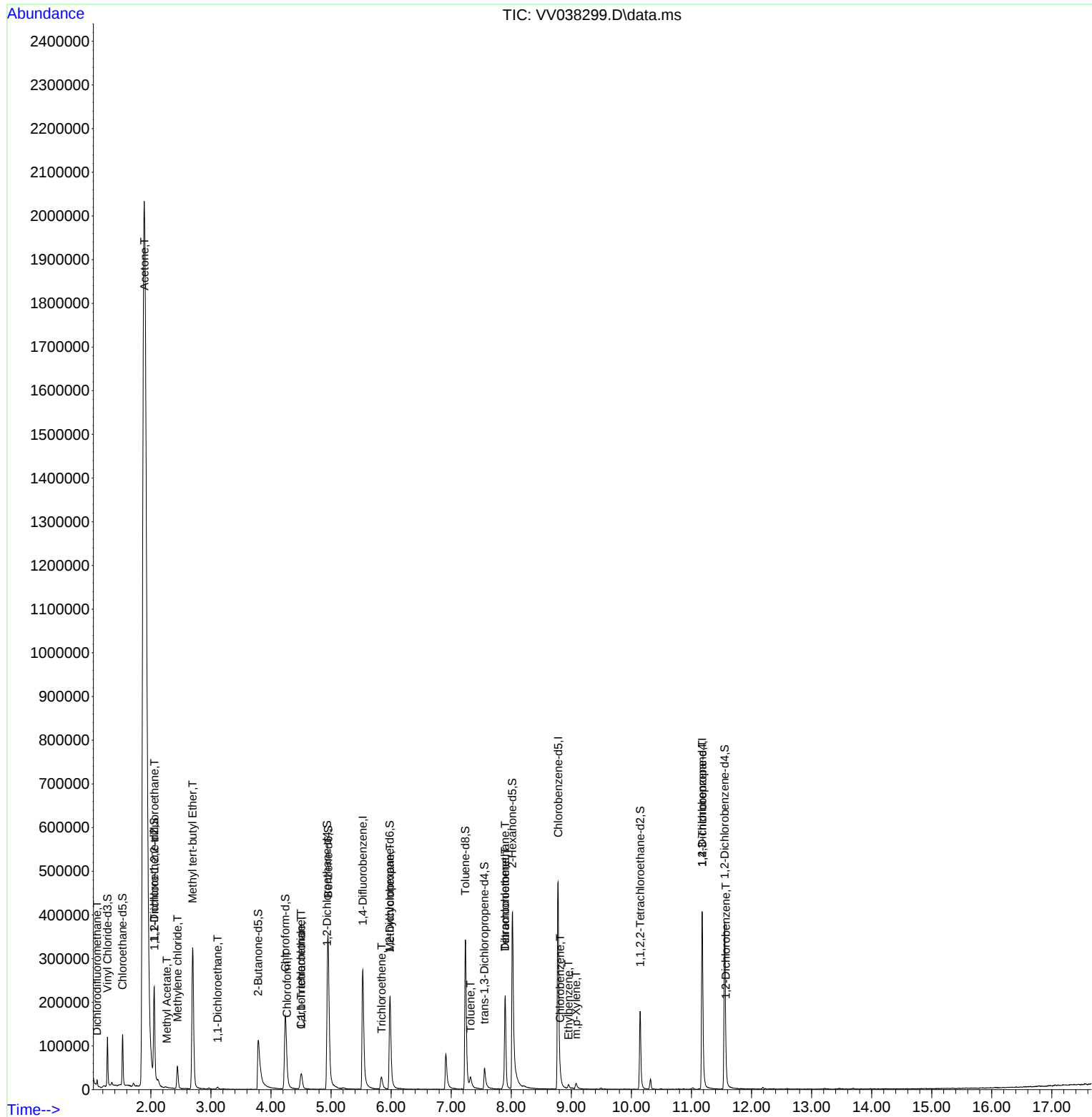
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.574	146	8023	0.237	ug/L	97

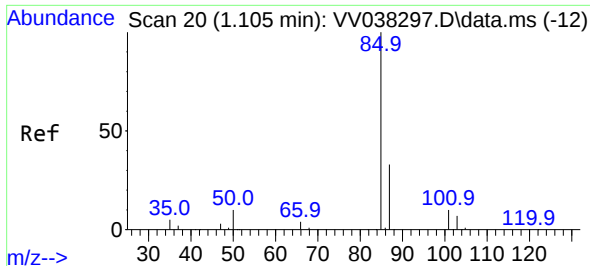
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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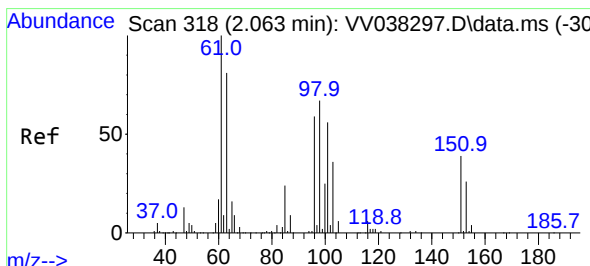
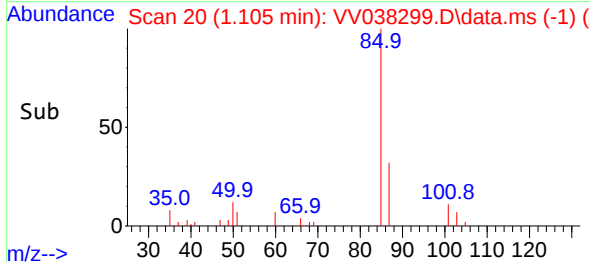
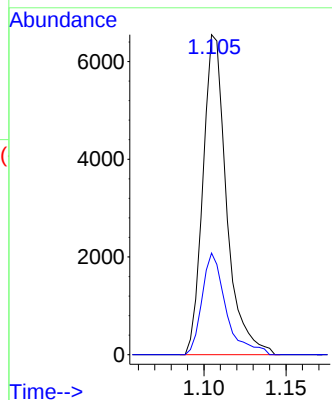
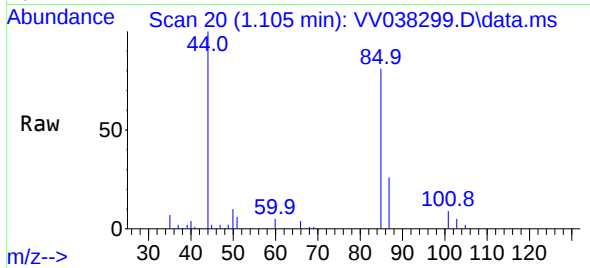




#2
Dichlorodifluoromethane
Concen: 0.262 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV038299.D
Acq: 23 Nov 2024 15:36

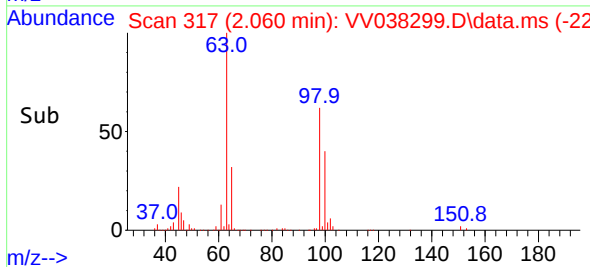
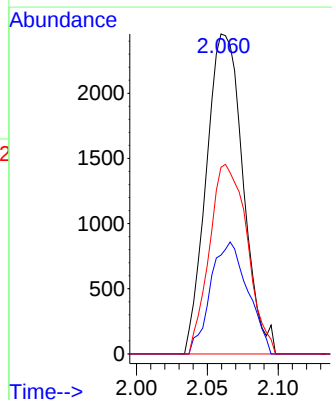
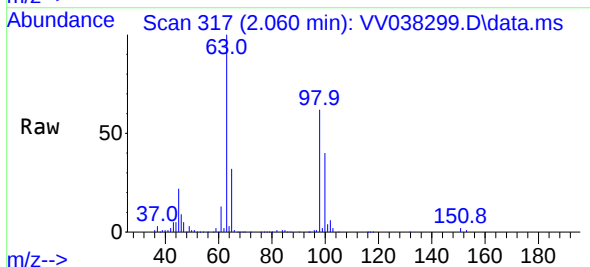
Instrument :
MSVOA_V
ClientSampleId :

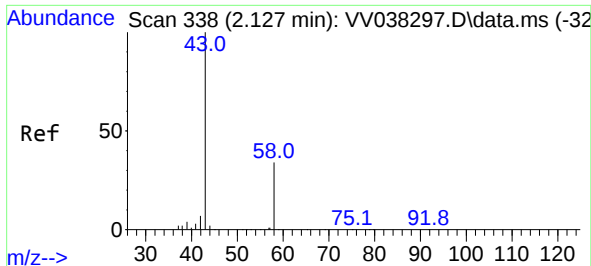
Tgt Ion: 85 Resp: 6549
Ion Ratio Lower Upper
85 100
87 32.2 26.5 39.7



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.224 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV038299.D
Acq: 23 Nov 2024 15:36

Tgt Ion: 101 Resp: 4424
Ion Ratio Lower Upper
101 100
85 35.5 33.4 50.0
151 61.1 58.8 88.2

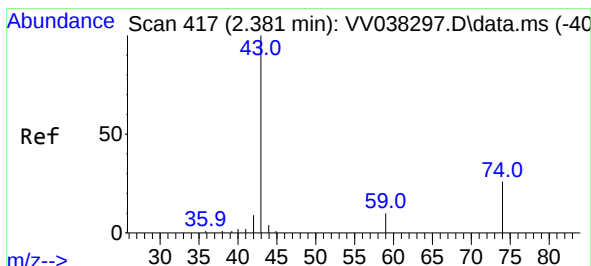
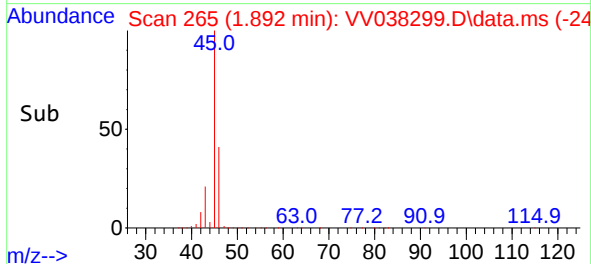
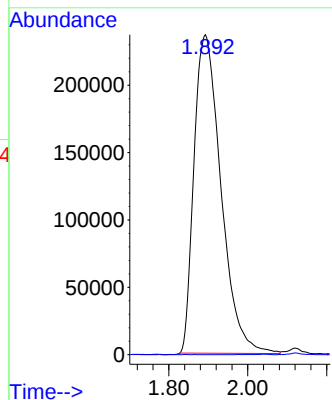
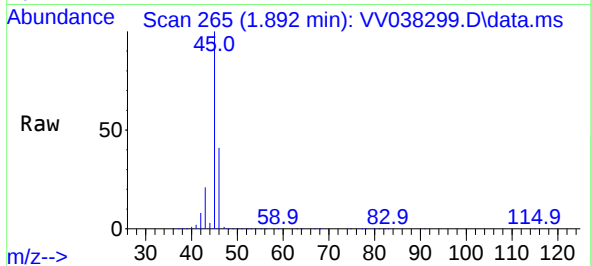




#13
Acetone
Concen: 375.198 ug/L
RT: 1.892 min Scan# 21
Delta R.T. -0.228 min
Lab File: VV038299.D
Acq: 23 Nov 2024 15:36

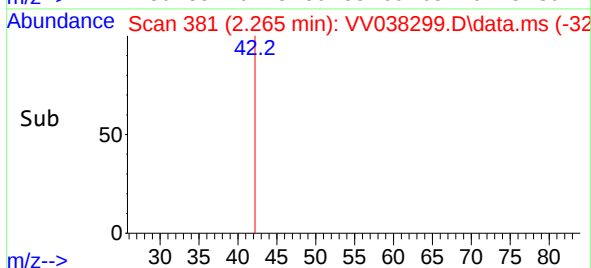
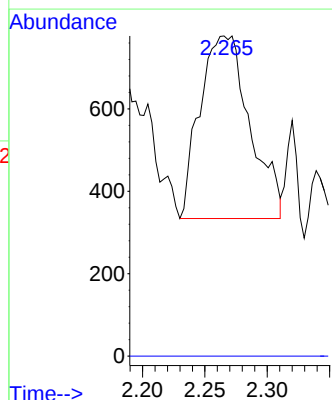
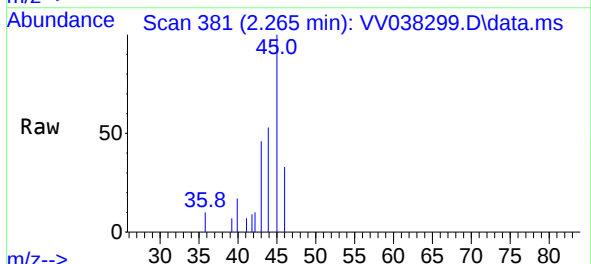
Instrument :
MSVOA_V
ClientSampleId :

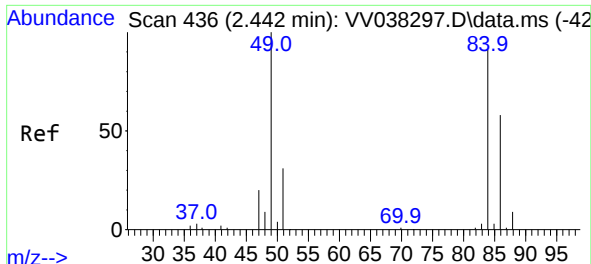
Tgt Ion: 43 Resp: 1122385
Ion Ratio Lower Upper
43 100
58 0.0 0.0 67.2



#15
Methyl Acetate
Concen: 0.170 ug/L
RT: 2.265 min Scan# 381
Delta R.T. -0.112 min
Lab File: VV038299.D
Acq: 23 Nov 2024 15:36

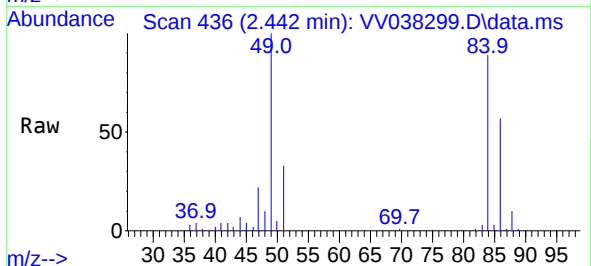
Tgt Ion: 43 Resp: 1238
Ion Ratio Lower Upper
43 100
74 0.0 22.4 33.6#



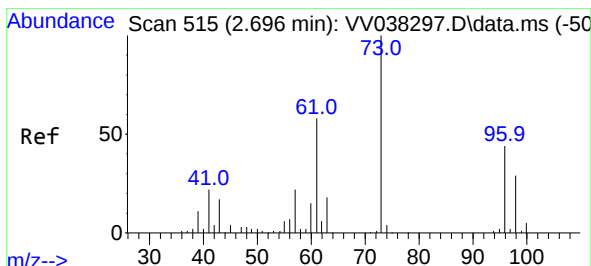
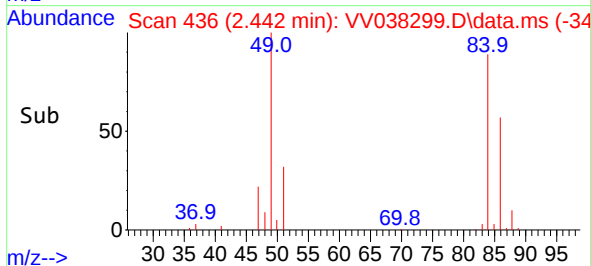
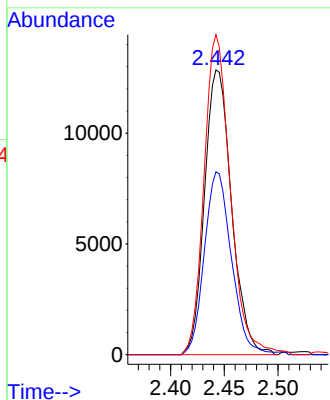


#16
Methylene chloride
Concen: 1.048 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV038299.D
Acq: 23 Nov 2024 15:36

Instrument :
MSVOA_V
ClientSampleId :

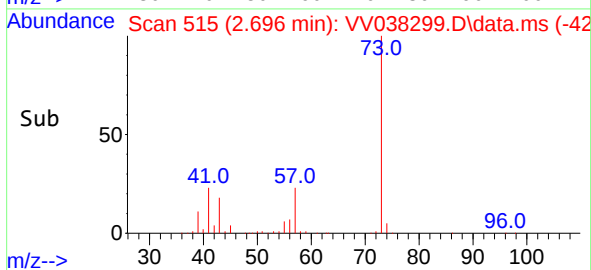
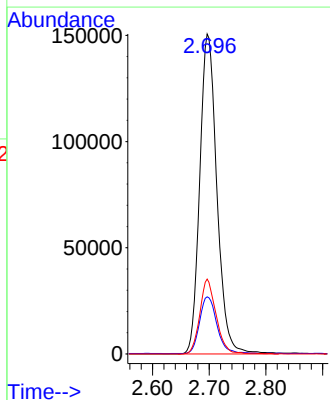
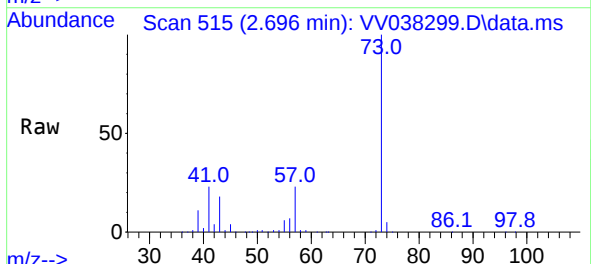


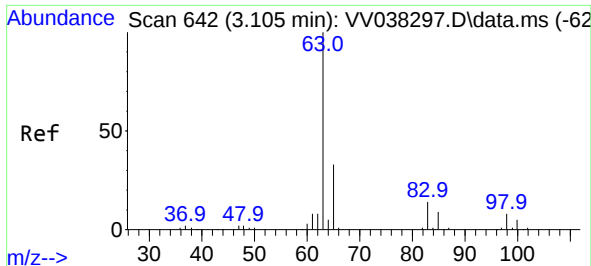
Tgt Ion: 84 Resp: 22510
Ion Ratio Lower Upper
84 100
86 64.2 44.2 82.2
49 112.3 74.9 139.1



#17
Methyl tert-butyl Ether
Concen: 7.443 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV038299.D
Acq: 23 Nov 2024 15:36

Tgt Ion: 73 Resp: 317060
Ion Ratio Lower Upper
73 100
43 17.9 14.2 21.2
57 22.1 17.6 26.4





#19

1,1-Dichloroethane

Concen: 0.134 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.006 min

Lab File: VV038299.D

Acq: 23 Nov 2024 15:36

Instrument :

MSVOA_V

ClientSampleId :

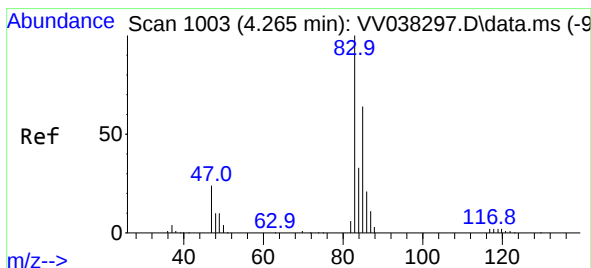
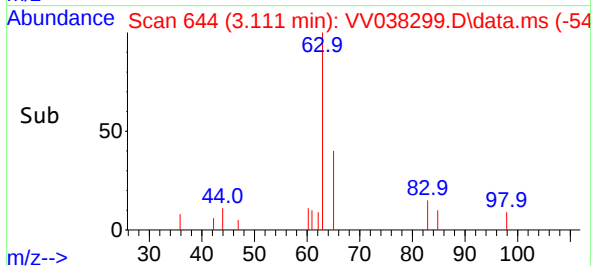
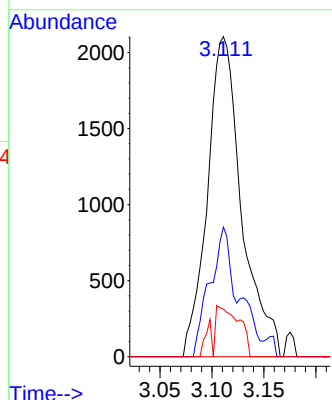
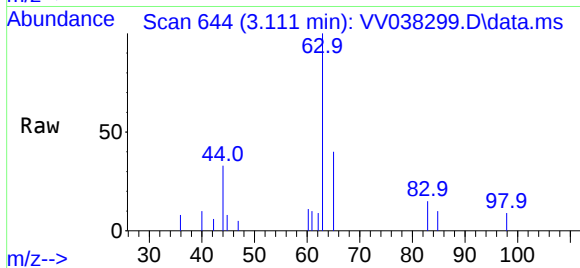
Tgt Ion: 63 Resp: 4820

Ion Ratio Lower Upper

63 100

65 40.5 22.5 41.7

83 14.9 10.1 18.9



#25

Chloroform

Concen: 0.180 ug/L

RT: 4.268 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VV038299.D

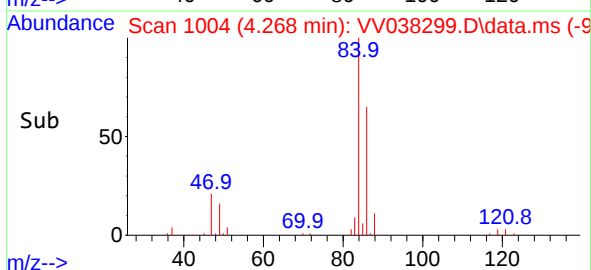
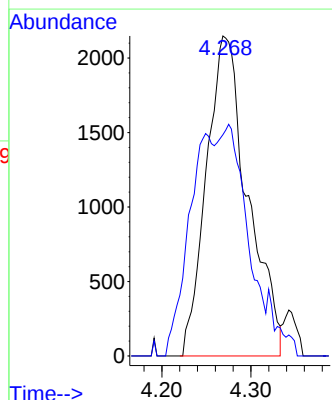
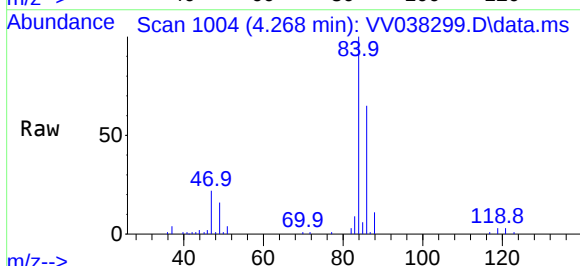
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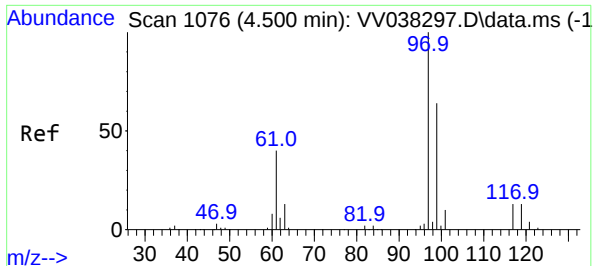
Tgt Ion: 83 Resp: 6933

Ion Ratio Lower Upper

83 100

85 69.2 46.5 86.3





#29

1,1,1-Trichloroethane

Concen: 0.925 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VV038299.D

Acq: 23 Nov 2024 15:36

Instrument :

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ClientSampleId :

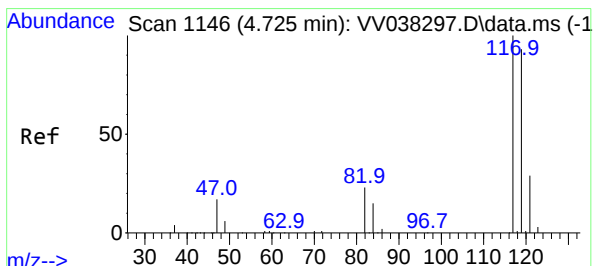
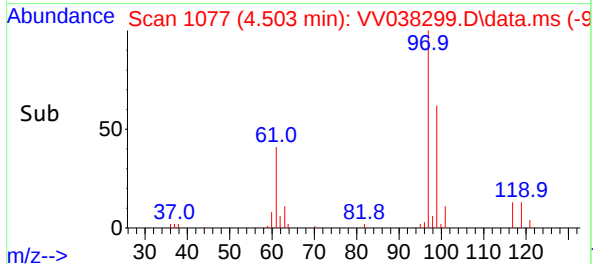
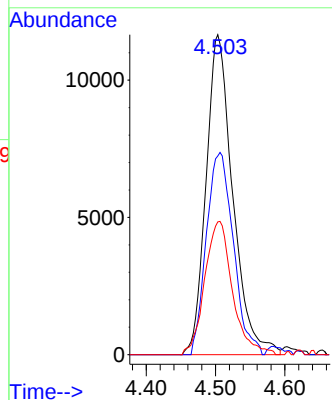
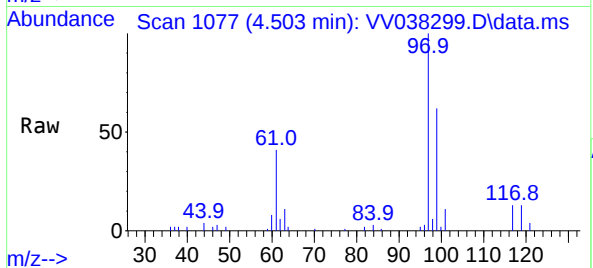
Tgt Ion: 97 Resp: 31235

Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.8

61 43.2 32.2 48.2



#31

Carbon tetrachloride

Concen: 0.125 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.222 min

Lab File: VV038299.D

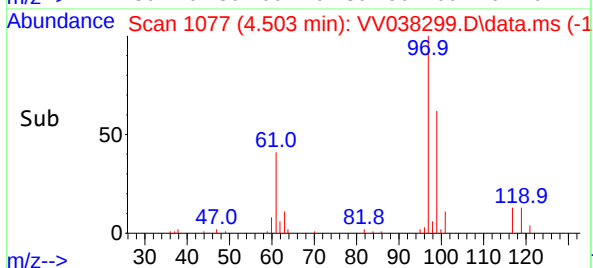
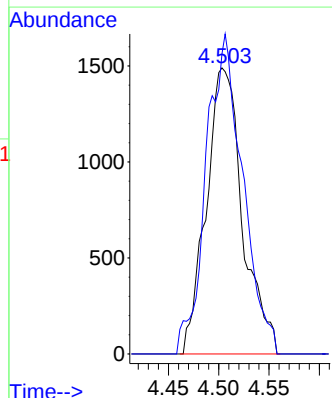
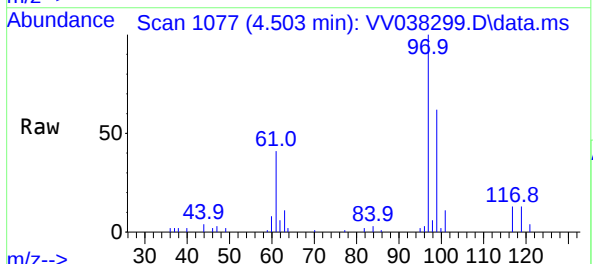
Acq: 23 Nov 2024 15:36

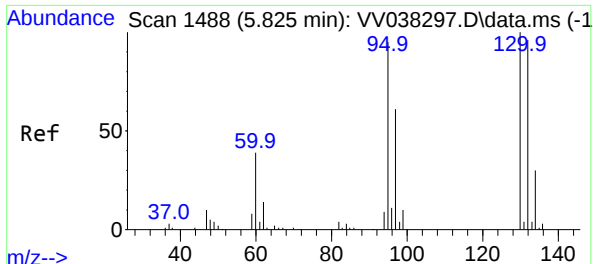
Tgt Ion: 117 Resp: 3737

Ion Ratio Lower Upper

117 100

119 112.7 77.4 116.2





#34

Trichloroethene

Concen: 0.524 ug/L

RT: 5.844 min Scan# 14

Delta R.T. 0.016 min

Lab File: VV038299.D

Acq: 23 Nov 2024 15:36

Instrument :

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ClientSampleId :

Tgt Ion: 95 Resp: 11297

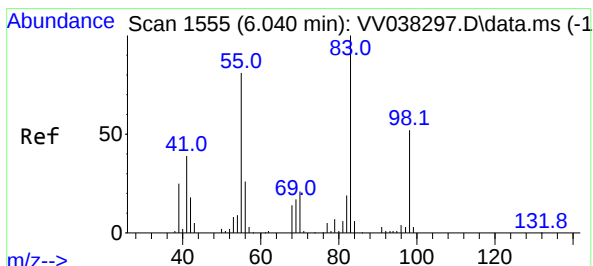
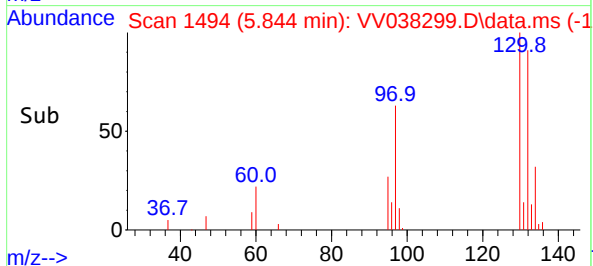
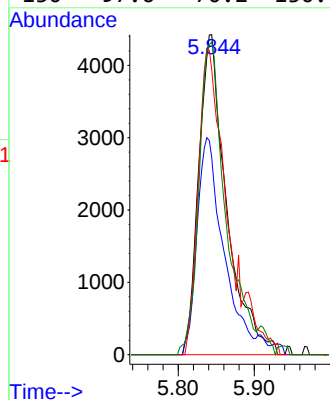
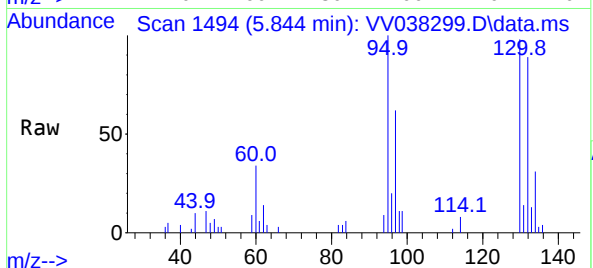
Ion Ratio Lower Upper

95 100

97 61.6 44.8 83.2

132 89.2 68.3 126.8

130 97.6 70.2 130.4



#35

Methylcyclohexane

Concen: 0.924 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038299.D

Acq: 23 Nov 2024 15:36

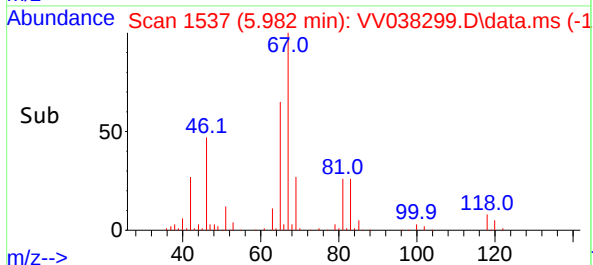
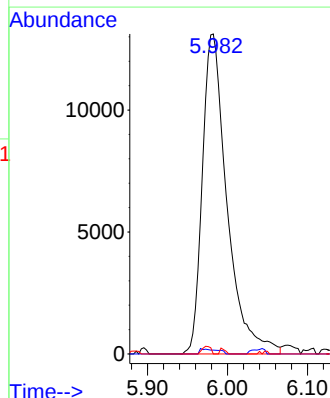
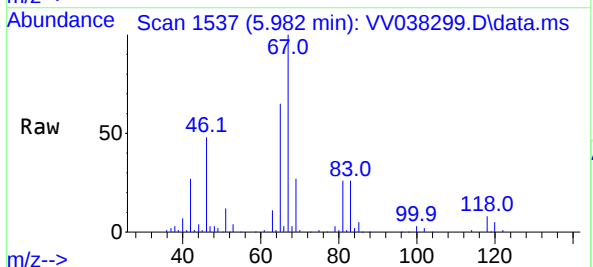
Tgt Ion: 83 Resp: 28185

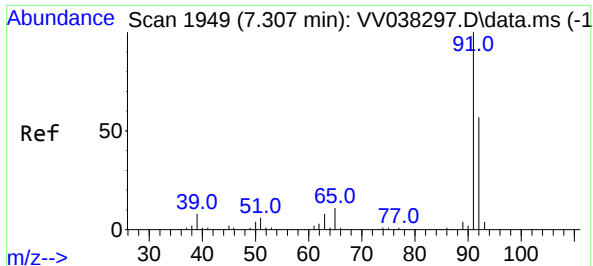
Ion Ratio Lower Upper

83 100

55 0.0 59.7 89.5#

98 0.4 39.0 58.4#





#42

Toluene

Concen: 0.277 ug/L

RT: 7.323 min Scan# 1949

Delta R.T. 0.016 min

Lab File: VV038299.D

Acq: 23 Nov 2024 15:36

Instrument :

MSVOA_V

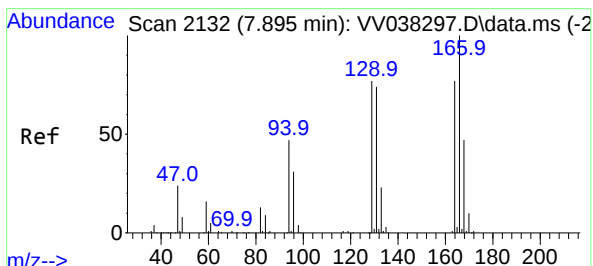
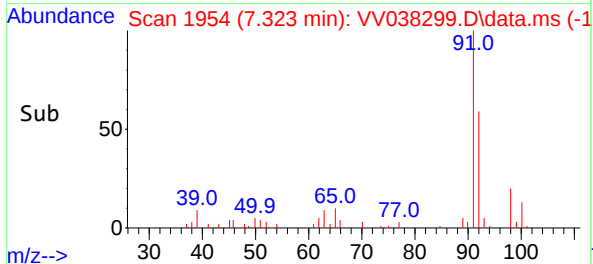
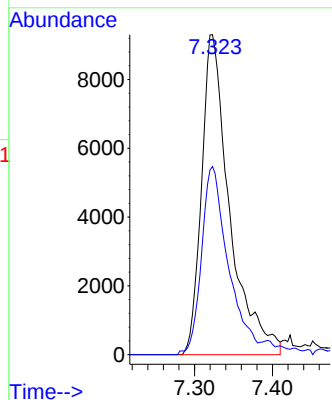
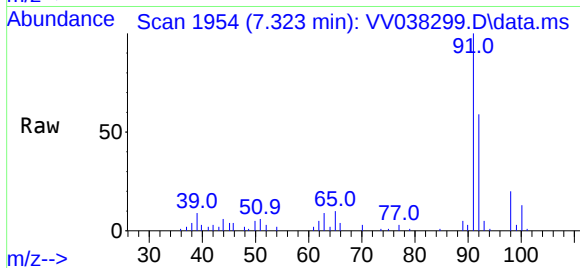
ClientSampleId :

Tgt Ion: 91 Resp: 23235

Ion Ratio Lower Upper

91 100

92 58.8 40.8 75.8



#47

Tetrachloroethene

Concen: 2.861 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.003 min

Lab File: VV038299.D

Acq: 23 Nov 2024 15:36

Tgt Ion: 164 Resp: 49561

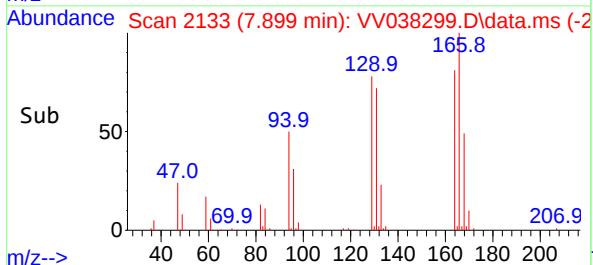
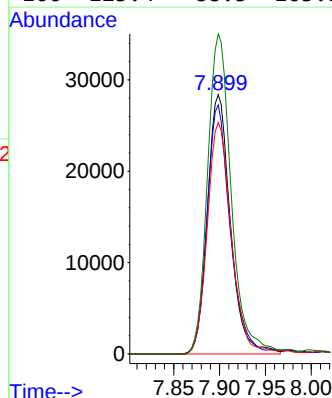
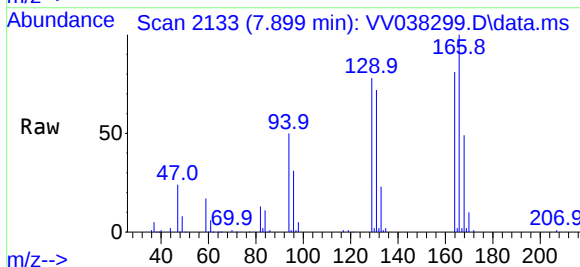
Ion Ratio Lower Upper

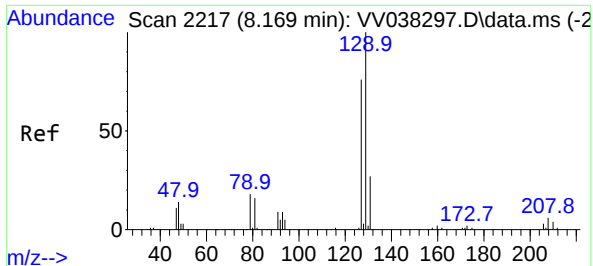
164 100

129 96.0 68.5 127.1

131 89.2 64.8 120.4

166 123.4 88.3 163.9





#49

Dibromochloromethane

Concen: 2.559 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.270 min

Lab File: VV038299.D

Acq: 23 Nov 2024 15:36

Instrument :

MSVOA_V

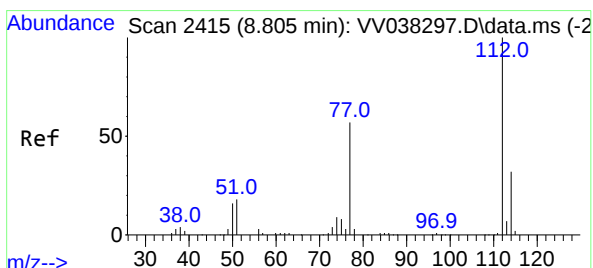
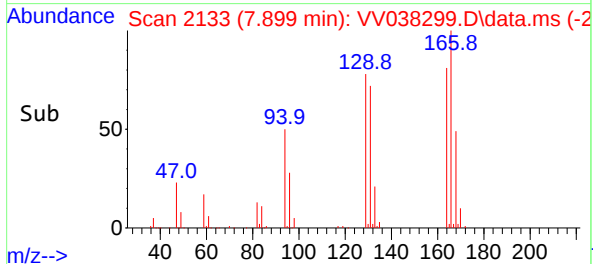
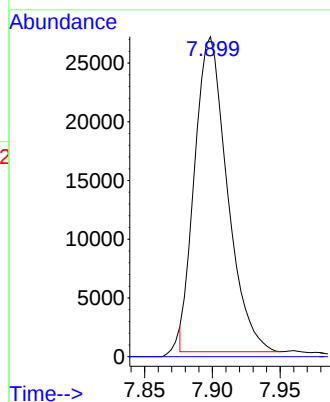
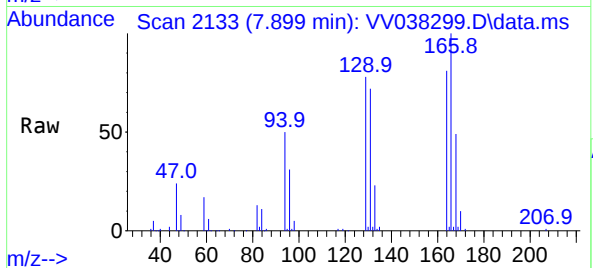
ClientSampleId :

Tgt Ion:129 Resp: 44808

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#51

Chlorobenzene

Concen: 0.251 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.010 min

Lab File: VV038299.D

Acq: 23 Nov 2024 15:36

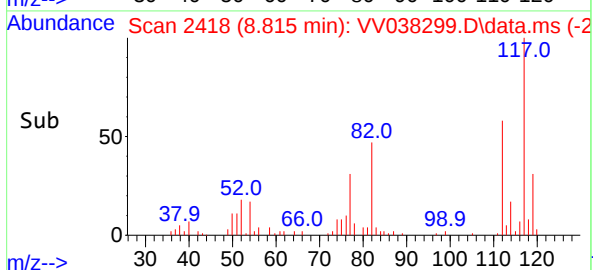
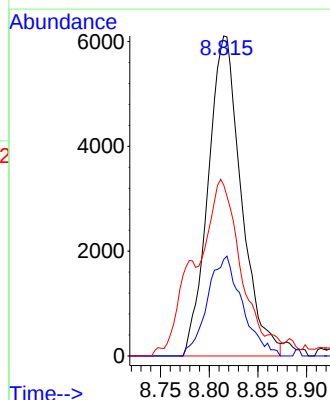
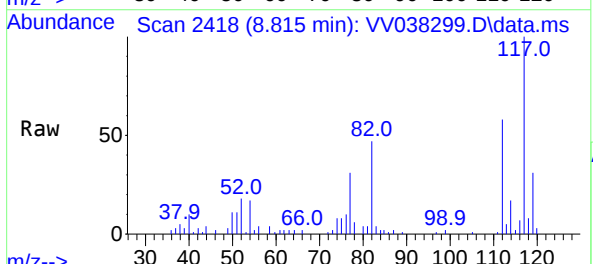
Tgt Ion:112 Resp: 14467

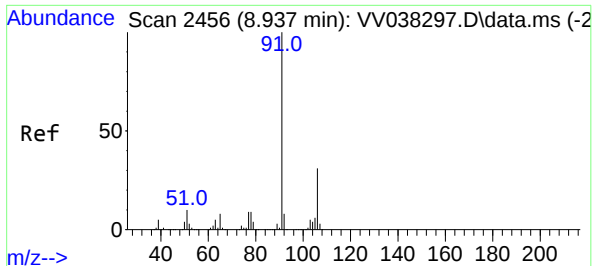
Ion Ratio Lower Upper

112 100

114 30.1 22.0 40.8

77 53.5 45.0 67.4





#52

Ethylbenzene

Concen: 0.077 ug/L

RT: 8.953 min Scan# 2456

Delta R.T. 0.016 min

Lab File: VV038299.D

Acq: 23 Nov 2024 15:36

Instrument :

MSVOA_V

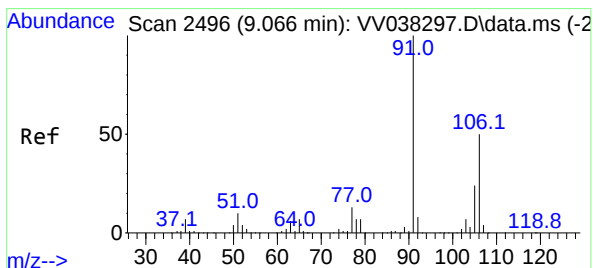
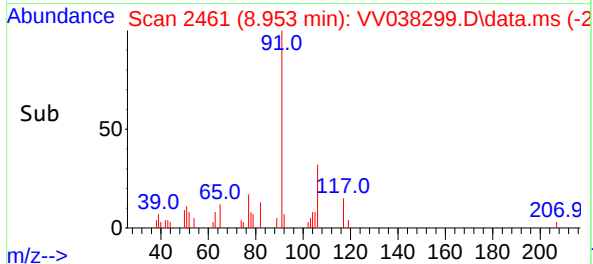
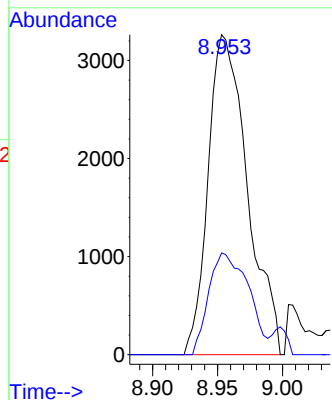
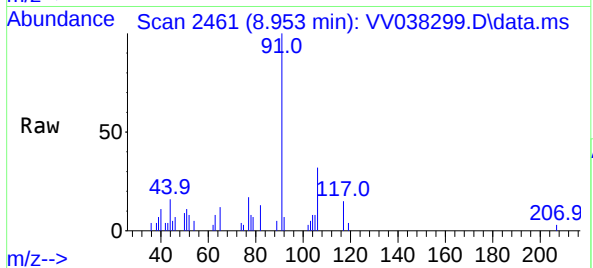
ClientSampleId :

Tgt Ion: 91 Resp: 6863

Ion Ratio Lower Upper

91 100

106 31.8 21.8 40.4



#53

m,p-Xylene

Concen: 0.150 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. 0.016 min

Lab File: VV038299.D

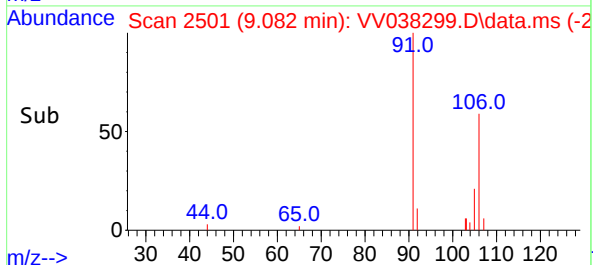
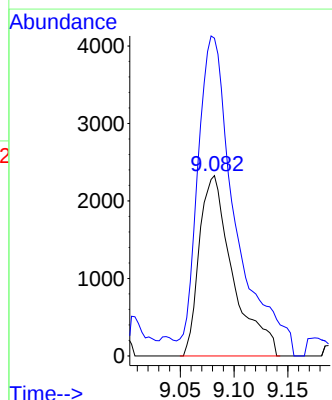
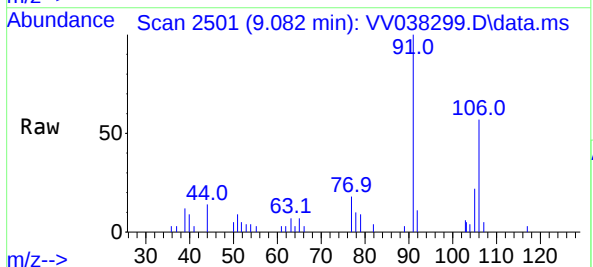
Acq: 23 Nov 2024 15:36

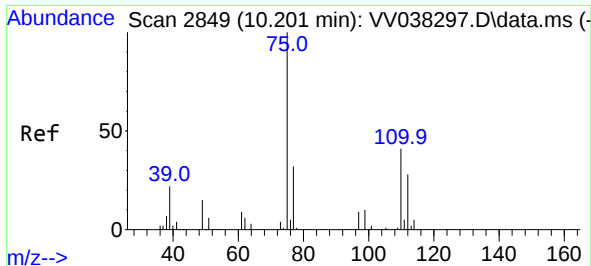
Tgt Ion: 106 Resp: 5043

Ion Ratio Lower Upper

106 100

91 176.2 138.7 257.5





#61

1,2,3-Trichloropropane

Concen: 1.411 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.974 min

Lab File: VV038299.D

Acq: 23 Nov 2024 15:36

Instrument :

MSVOA_V

ClientSampleId :

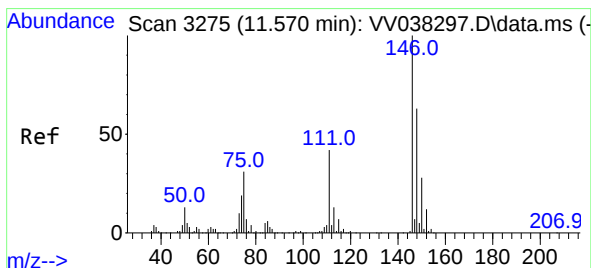
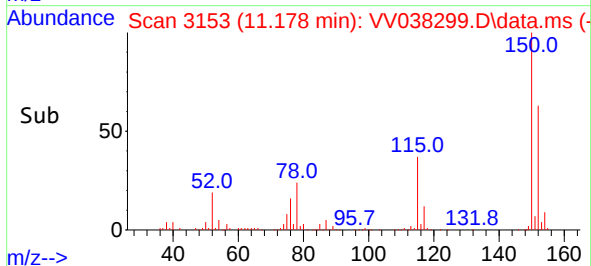
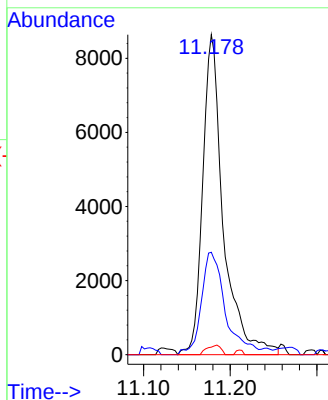
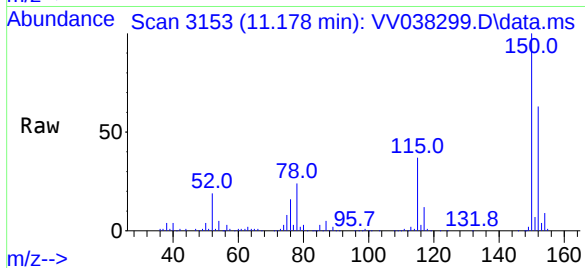
Tgt Ion: 75 Resp: 14268

Ion Ratio Lower Upper

75 100

77 37.1 26.4 39.6

110 2.0 32.3 48.5#



#67

1,2-Dichlorobenzene

Concen: 0.237 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV038299.D

Acq: 23 Nov 2024 15:36

Tgt Ion:146 Resp: 8023

Ion Ratio Lower Upper

146 100

111 47.1 34.2 51.2

148 64.7 51.0 76.4

