

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112024\
 Data File : VV038221.D
 Acq On : 20 Nov 2024 17:34
 Operator : SY/MD
 Sample : P4883-08
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 01:52:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 21 01:41:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	246166	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	274734	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	121110	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	72683	3.852	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.000%
7) Chloroethane-d5	1.529	69	68945	4.517	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.053	65	32708	4.028	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.600%
20) 2-Butanone-d5	3.796	46	181971	48.210	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.420%
24) Chloroform-d	4.243	84	166070	4.535	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	4.937	65	82694	5.033	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
32) Benzene-d6	4.953	84	291957	4.112	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
36) 1,2-Dichloropropane-d6	5.982	67	98134	4.491	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.240	98	232349	3.536	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.800%
43) trans-1,3-Dichloroprop...	7.558	79	32838	4.042	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.800%
46) 2-Hexanone-d5	8.021	63	162111	51.338	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.680%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	82936	4.471	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.400%
66) 1,2-Dichlorobenzene-d4	11.554	152	102387	4.962	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.200%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	7948	0.431	ug/L	89
13) Acetone	1.957	43	1772758	635.032	ug/L	41
16) Methylene chloride	2.442	84	45621	2.275	ug/L	99
17) Methyl tert-butyl Ether	2.700	73	3426	0.086	ug/L #	88
22) cis-1,2-Dichloroethene	3.815	96	6067	0.317	ug/L	92
29) 1,1,1-Trichloroethane	4.503	97	67982	2.063	ug/L	98
34) Trichloroethene	5.825	95	176160	8.374	ug/L	98
35) Methylcyclohexane	5.986	83	25650	0.862	ug/L #	20
37) 1,2-Dichloropropane	5.982	63	10744	0.556	ug/L #	87
42) Toluene	7.320	91	41876	0.512	ug/L	100
47) Tetrachloroethene	7.899	164	112029	6.627	ug/L	97
49) Dibromochloromethane	7.899	129	101633	5.946	ug/L #	12
51) Chlorobenzene	8.812	112	21940	0.390	ug/L	95
52) Ethylbenzene	8.953	91	13566	0.156	ug/L	100
53) m,p-Xylene	9.075	106	9162	0.280	ug/L	99
61) 1,2,3-Trichloropropane	11.178	75	13871	1.338	ug/L #	65
67) 1,2-Dichlorobenzene	11.574	146	10388	0.300	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 21 01:41:56 2024
Response via : Initial Calibration

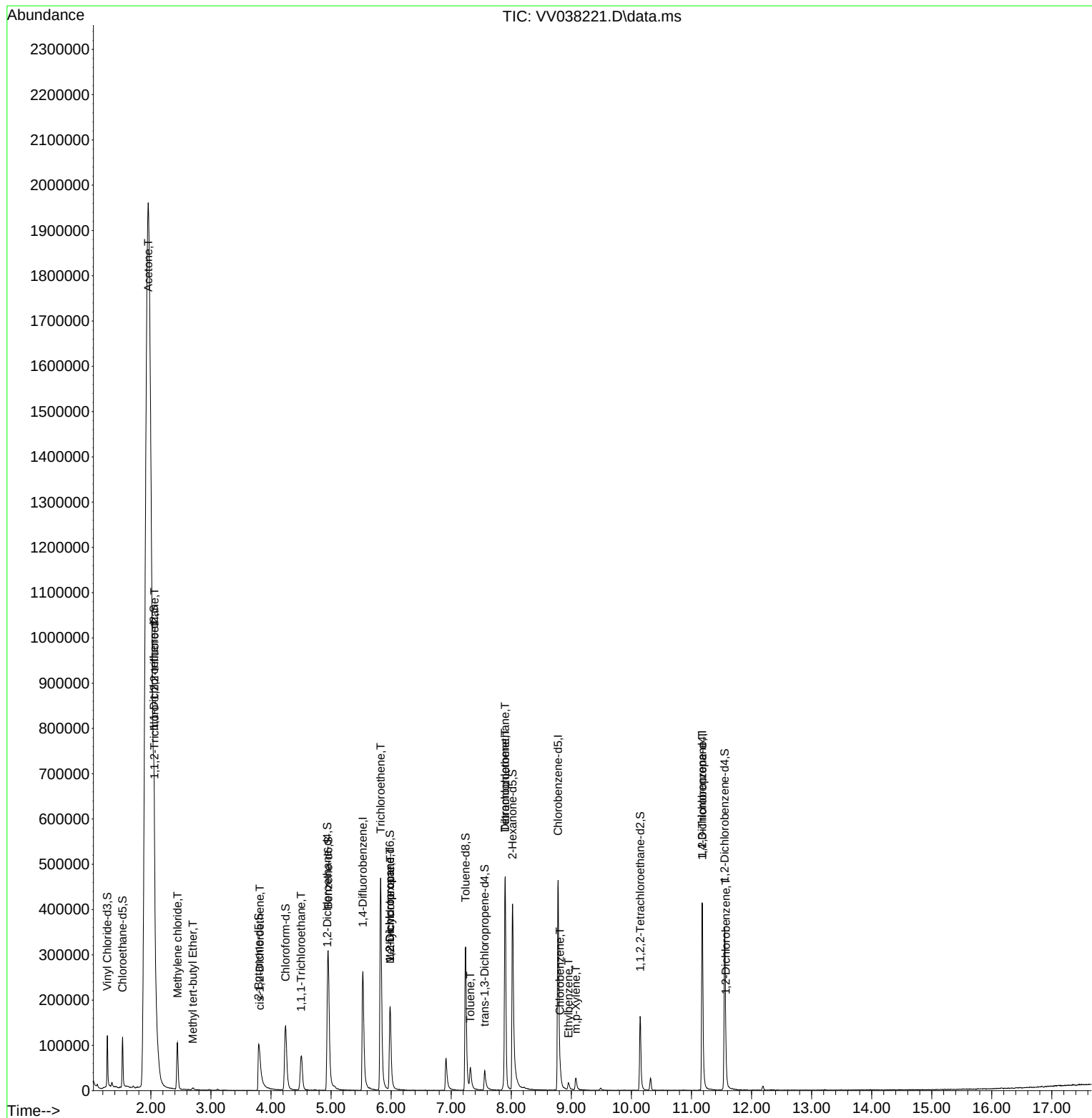
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

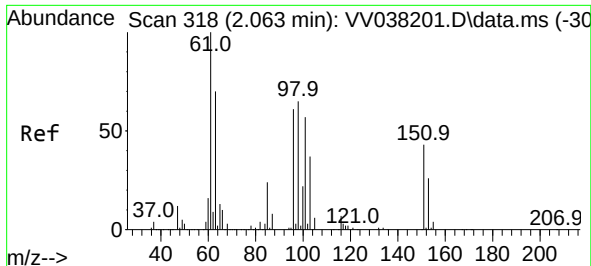
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#10

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

Concen: 0.431 ug/L

RT: 2.060 min Scan# 318

Delta R.T. -0.003 min

Lab File: VV038221.D

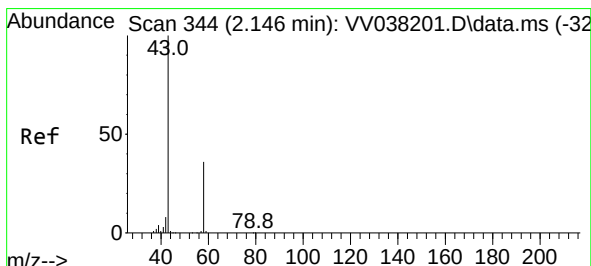
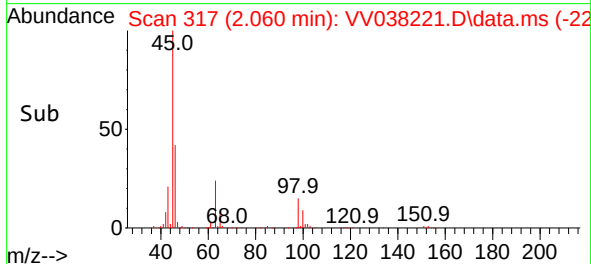
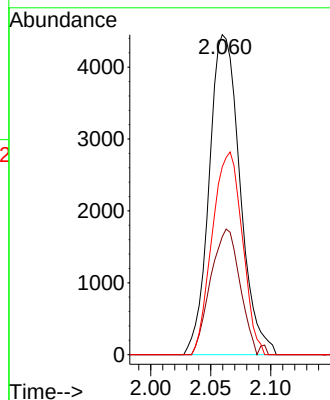
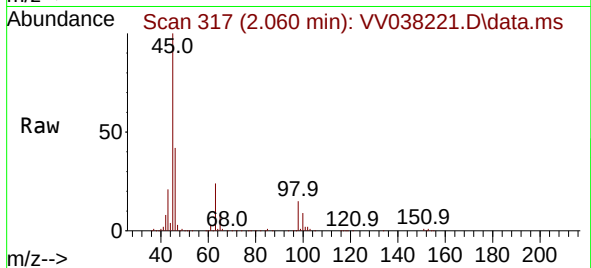
Acq: 20 Nov 2024 17:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	101	Resp:	7948
Ion	Ratio	Lower	Upper
101	100		
85	37.1	33.4	50.0
151	61.8	58.8	88.2



#13

Acetone

Concen: 635.032 ug/L

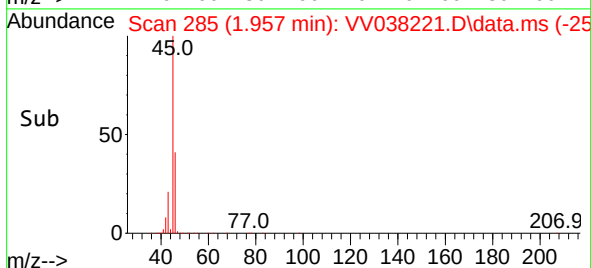
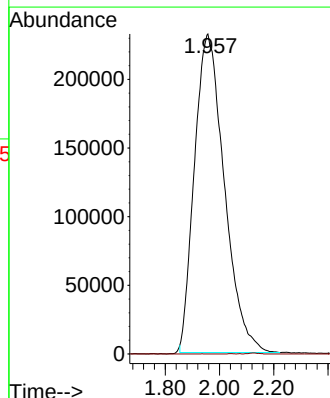
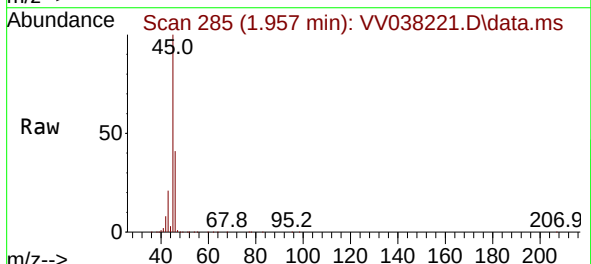
RT: 1.957 min Scan# 285

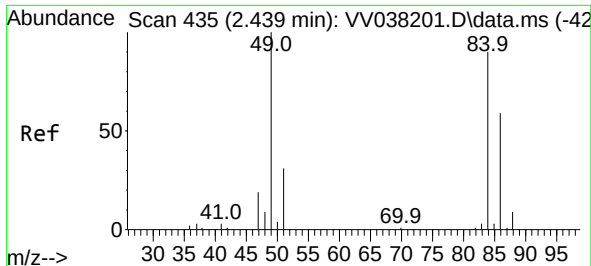
Delta R.T. -0.190 min

Lab File: VV038221.D

Acq: 20 Nov 2024 17:34

Tgt Ion:	43	Resp:	1772758
Ion	Ratio	Lower	Upper
43	100		
58	0.0	0.0	67.2

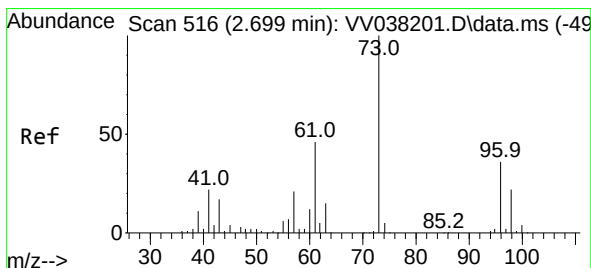
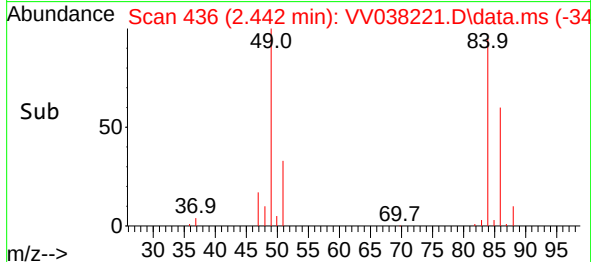
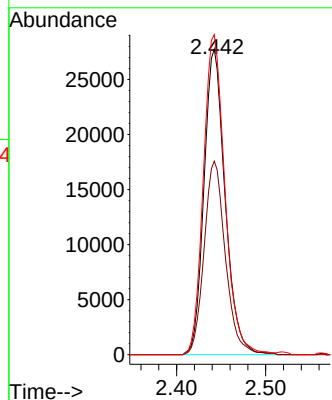
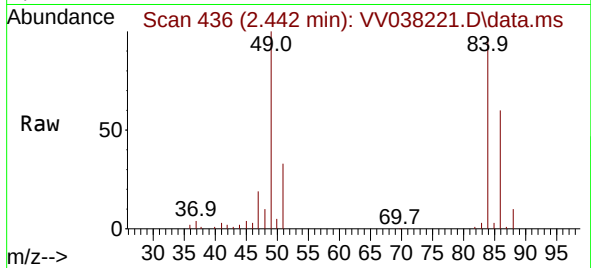




#16
Methylene chloride
Concen: 2.275 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV038221.D
Acq: 20 Nov 2024 17:34

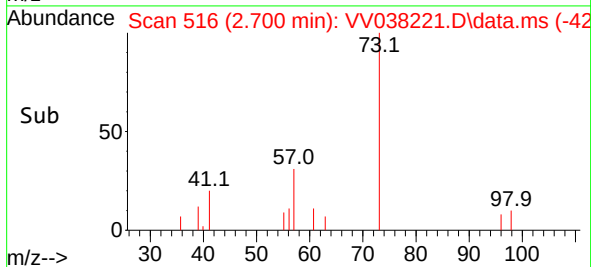
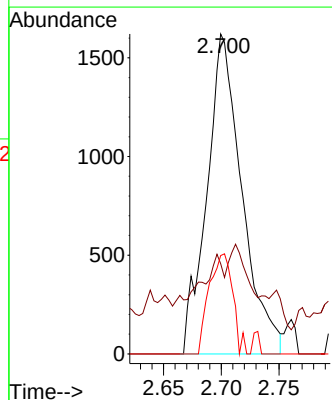
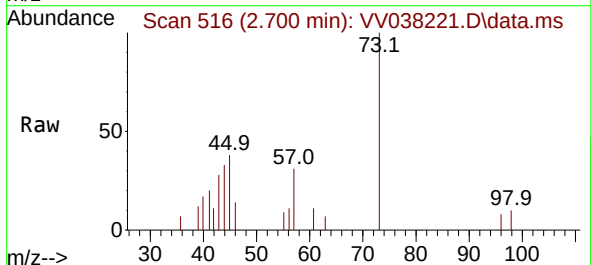
Instrument :
MSVOA_V
ClientSampleId :

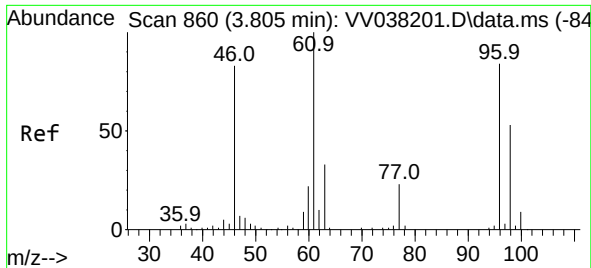
Tgt Ion: 84 Resp: 45621
Ion Ratio Lower Upper
84 100
86 63.3 44.2 82.2
49 104.7 74.9 139.1



#17
Methyl tert-butyl Ether
Concen: 0.086 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV038221.D
Acq: 20 Nov 2024 17:34

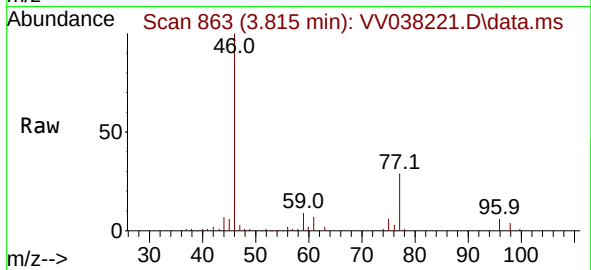
Tgt Ion: 73 Resp: 3426
Ion Ratio Lower Upper
73 100
43 6.5 14.2 21.2#
57 21.0 17.6 26.4



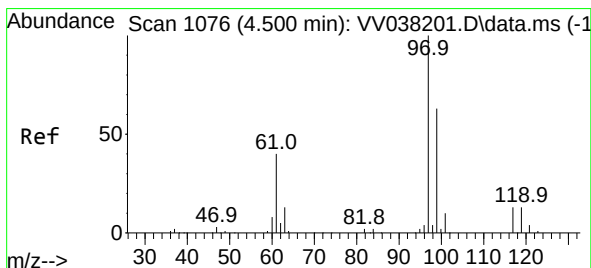
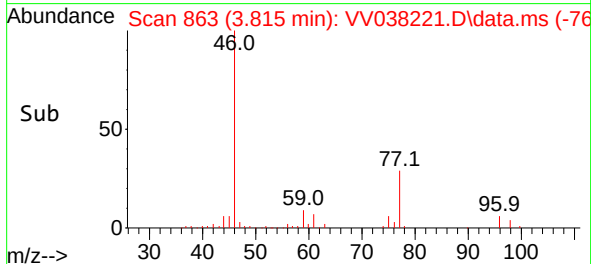
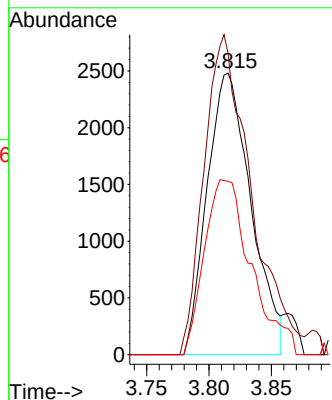


#22
 cis-1,2-Dichloroethene
 Concen: 0.317 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. 0.010 min
 Lab File: VV038221.D
 Acq: 20 Nov 2024 17:34

Instrument :
 MSVOA_V
 ClientSampleId :

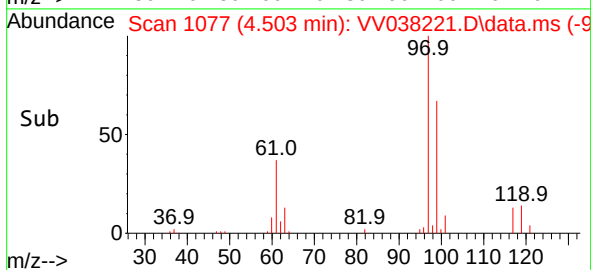
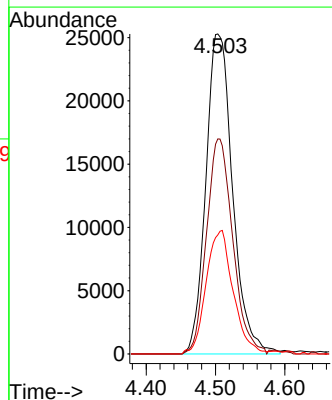
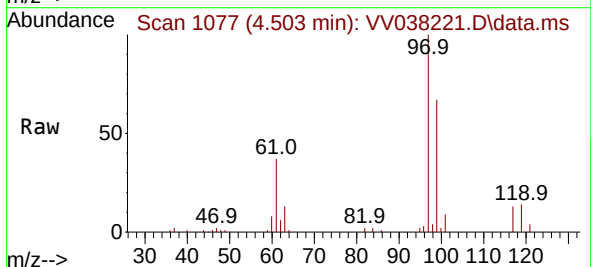


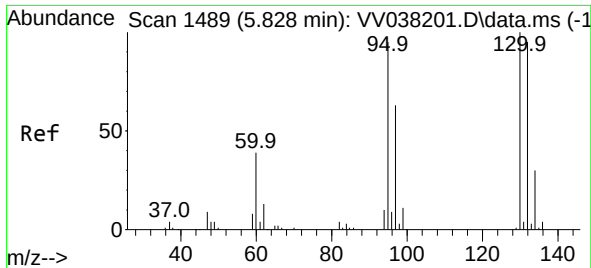
Tgt Ion:	96	Resp:	6067
Ion	Ratio	Lower	Upper
96	100		
61	107.1	82.7	153.5
98	61.5	46.3	85.9



#29
 1,1,1-Trichloroethane
 Concen: 2.063 ug/L
 RT: 4.503 min Scan# 1077
 Delta R.T. 0.003 min
 Lab File: VV038221.D
 Acq: 20 Nov 2024 17:34

Tgt Ion:	97	Resp:	67982
Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.8	77.8
61	38.9	32.2	48.2





#34

Trichloroethene

Concen: 8.374 ug/L

RT: 5.825 min Scan# 14

Delta R.T. -0.003 min

Lab File: VV038221.D

Acq: 20 Nov 2024 17:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 176160

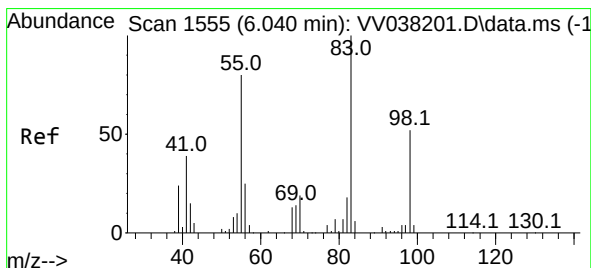
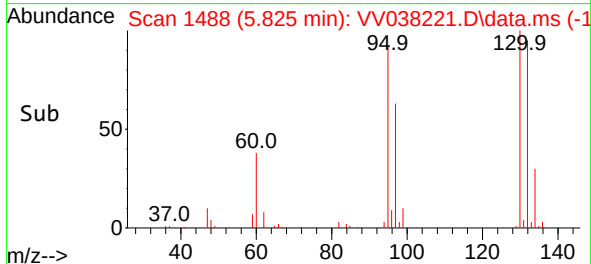
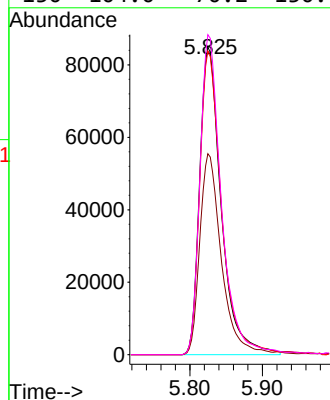
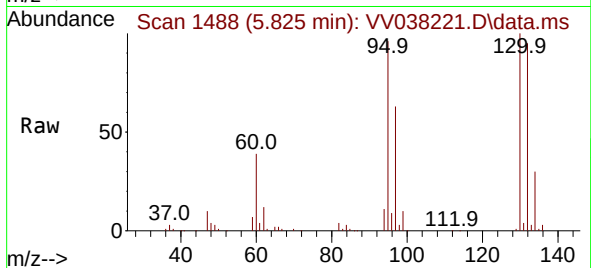
Ion Ratio Lower Upper

95 100

97 65.4 44.8 83.2

132 98.8 68.3 126.8

130 104.0 70.2 130.4



#35

Methylcyclohexane

Concen: 0.862 ug/L

RT: 5.986 min Scan# 1538

Delta R.T. -0.055 min

Lab File: VV038221.D

Acq: 20 Nov 2024 17:34

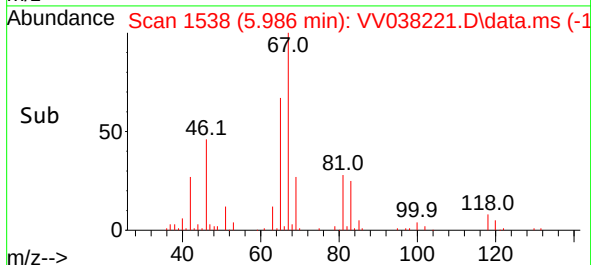
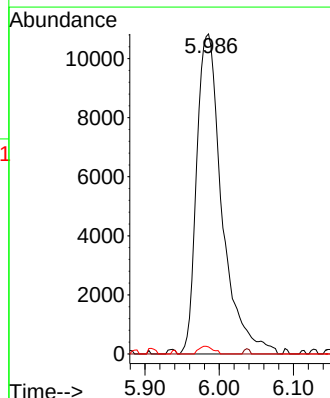
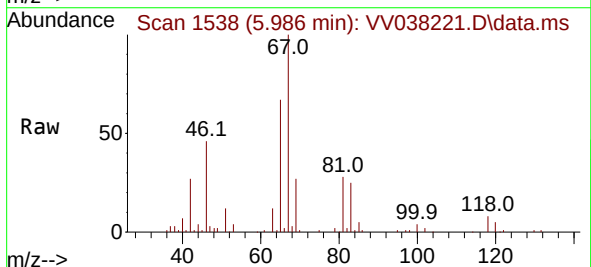
Tgt Ion: 83 Resp: 25650

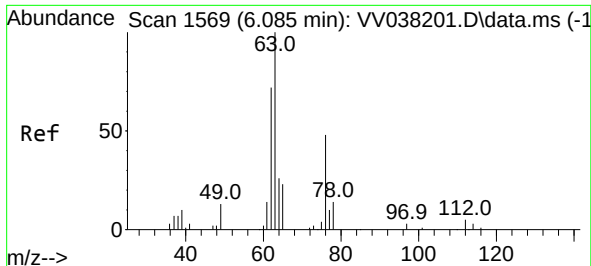
Ion Ratio Lower Upper

83 100

55 0.3 59.7 89.5#

98 1.4 39.0 58.4#

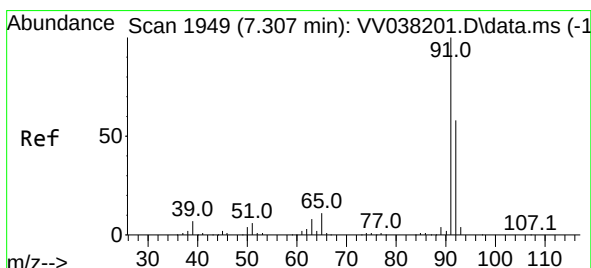
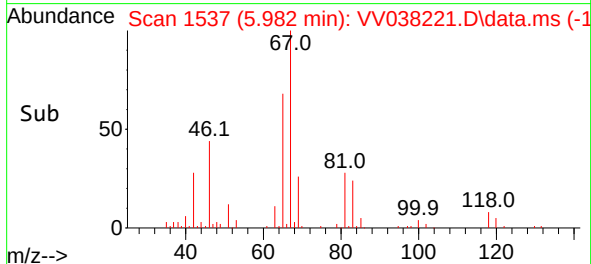
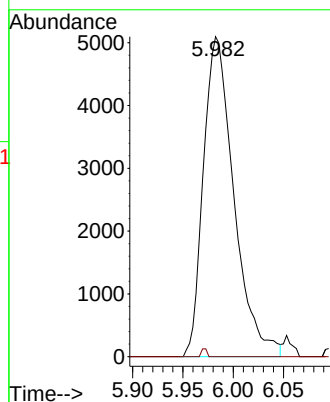
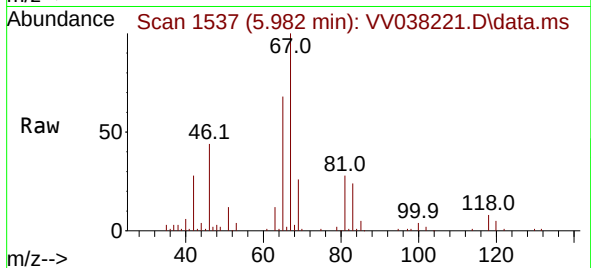




#37
1,2-Dichloropropane
Concen: 0.556 ug/L
RT: 5.982 min Scan# 11
Delta R.T. -0.103 min
Lab File: VV038221.D
Acq: 20 Nov 2024 17:34

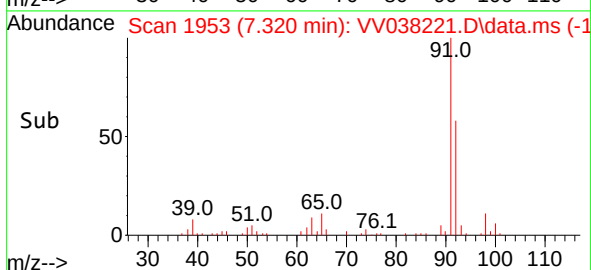
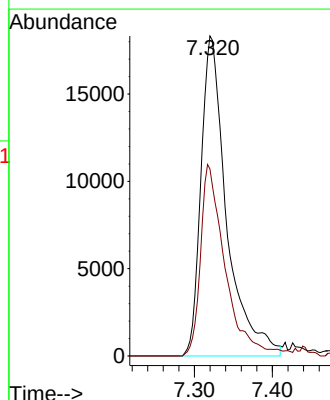
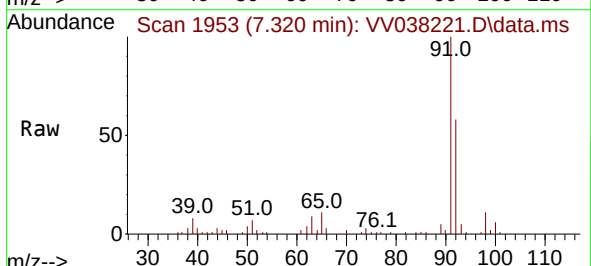
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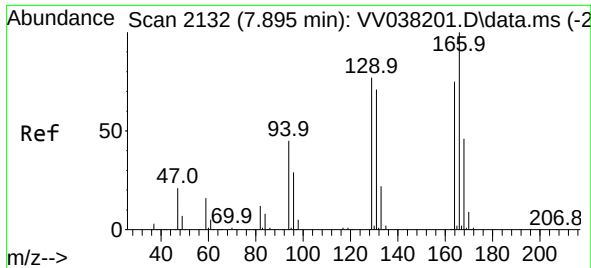
Tgt Ion: 63 Resp: 10744
Ion Ratio Lower Upper
63 100
112 0.4 3.9 5.9#



#42
Toluene
Concen: 0.512 ug/L
RT: 7.320 min Scan# 1953
Delta R.T. 0.013 min
Lab File: VV038221.D
Acq: 20 Nov 2024 17:34

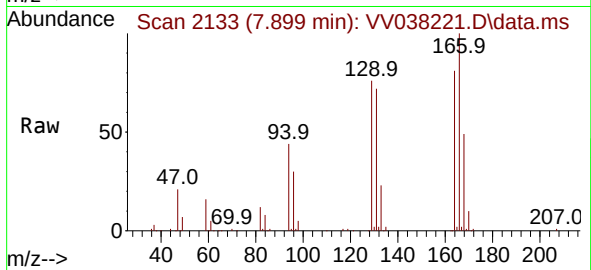
Tgt Ion: 91 Resp: 41876
Ion Ratio Lower Upper
91 100
92 58.4 40.8 75.8



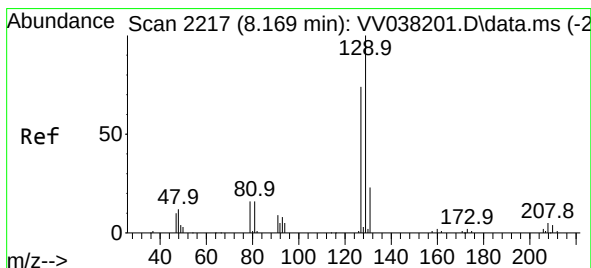
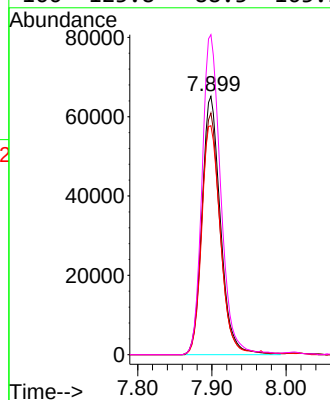
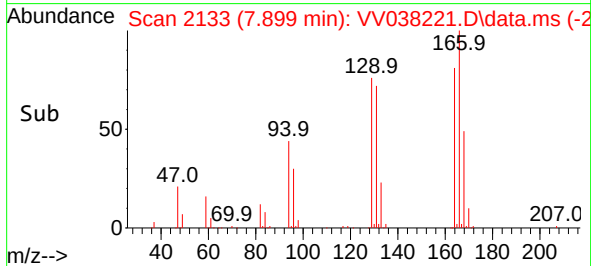


#47
Tetrachloroethene
Concen: 6.627 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV038221.D
Acq: 20 Nov 2024 17:34

Instrument :
MSVOA_V
ClientSampleId :

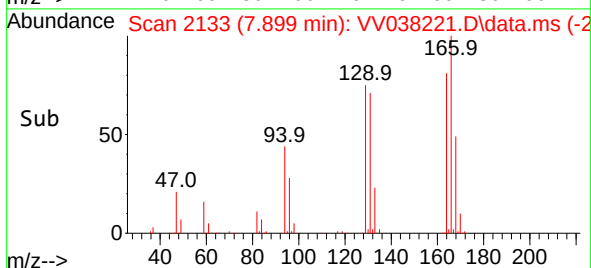
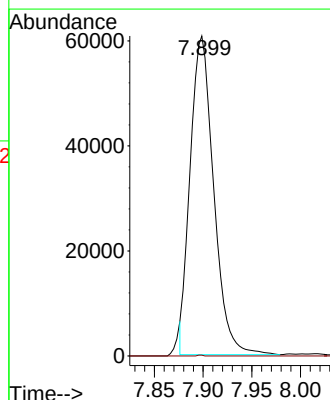
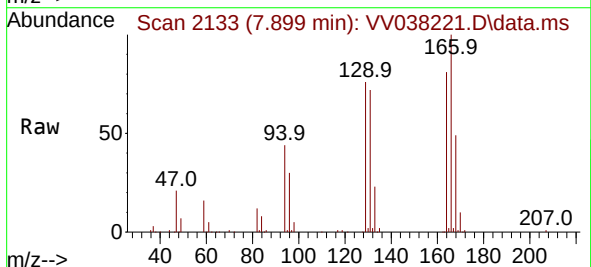


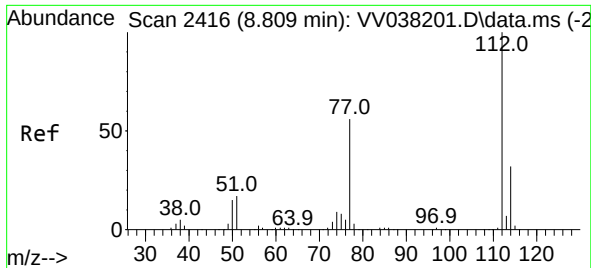
Tgt Ion:164 Resp: 112029
Ion Ratio Lower Upper
164 100
129 93.5 68.5 127.1
131 88.6 64.8 120.4
166 123.8 88.3 163.9



#49
Dibromochloromethane
Concen: 5.946 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. -0.270 min
Lab File: VV038221.D
Acq: 20 Nov 2024 17:34

Tgt Ion:129 Resp: 101633
Ion Ratio Lower Upper
129 100
127 0.3 53.5 99.3#

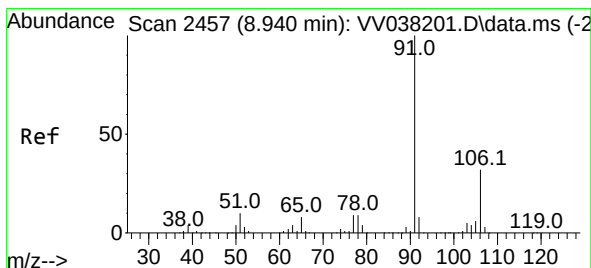
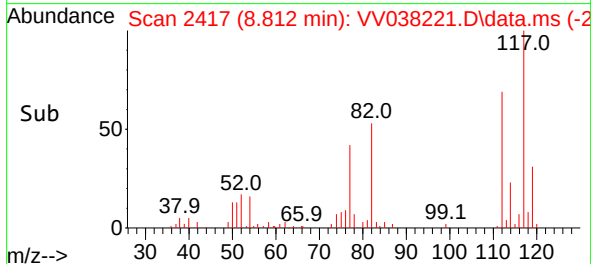
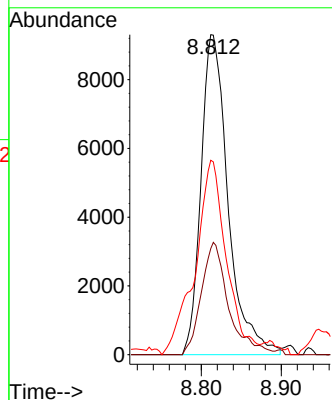
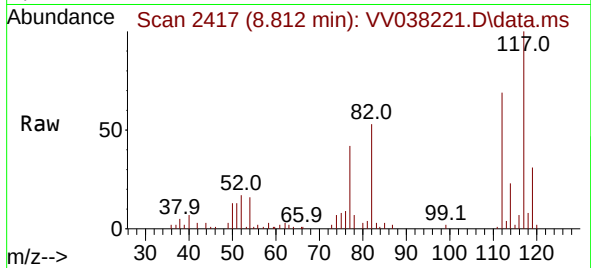




#51
Chlorobenzene
Concen: 0.390 ug/L
RT: 8.812 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV038221.D
Acq: 20 Nov 2024 17:34

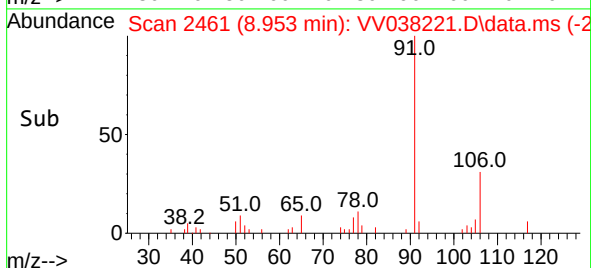
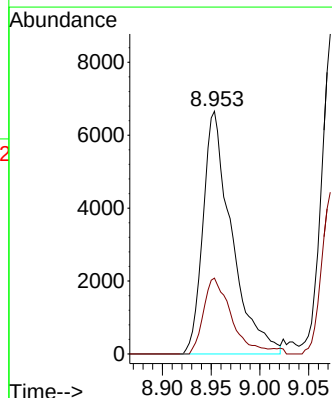
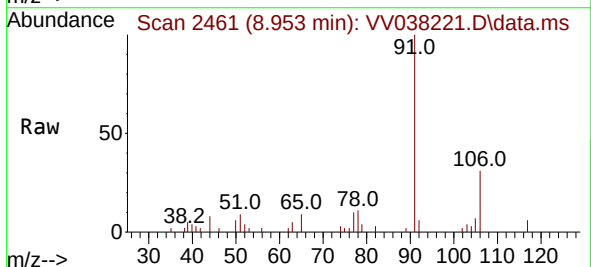
Instrument :
MSVOA_V
ClientSampleId :

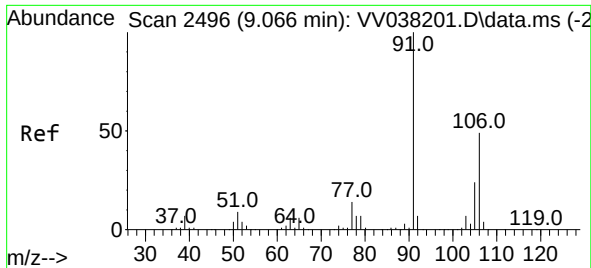
Tgt Ion:112 Resp: 21940
Ion Ratio Lower Upper
112 100
114 33.1 22.0 40.8
77 60.7 45.0 67.4



#52
Ethylbenzene
Concen: 0.156 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.013 min
Lab File: VV038221.D
Acq: 20 Nov 2024 17:34

Tgt Ion: 91 Resp: 13566
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.4

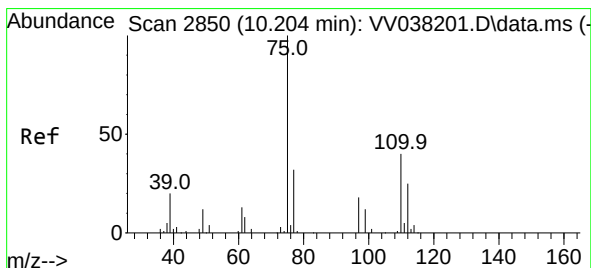
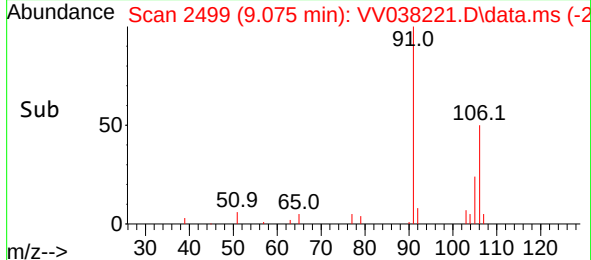
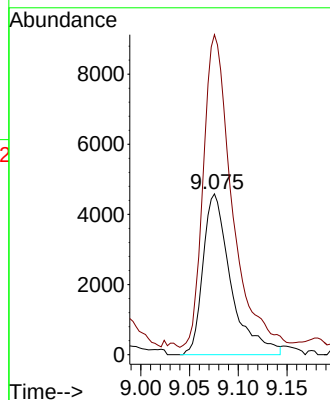
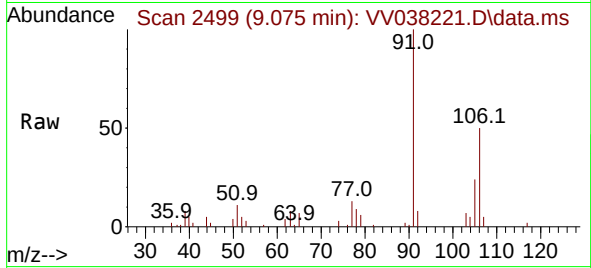




#53
 m,p-Xylene
 Concen: 0.280 ug/L
 RT: 9.075 min Scan# 2496
 Delta R.T. 0.010 min
 Lab File: VV038221.D
 Acq: 20 Nov 2024 17:34

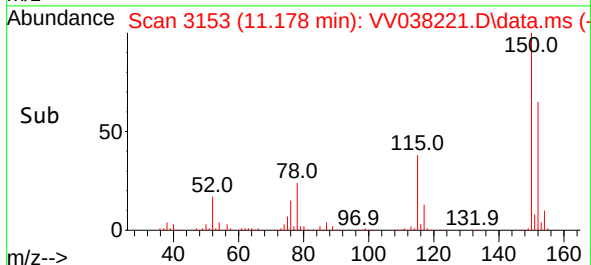
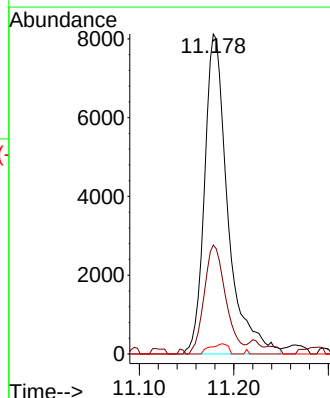
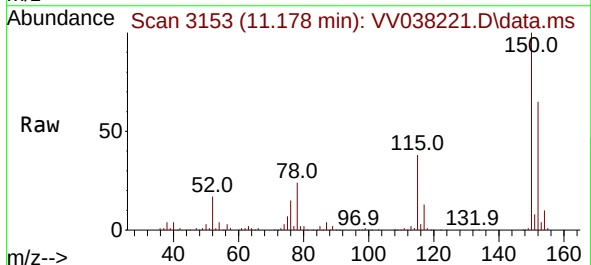
Instrument :
 MSVOA_V
 ClientSampleId :

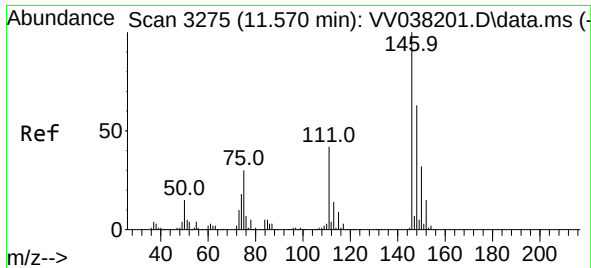
Tgt Ion:106 Resp: 9162
 Ion Ratio Lower Upper
 106 100
 91 199.1 138.7 257.5



#61
 1,2,3-Trichloropropane
 Concen: 1.338 ug/L
 RT: 11.178 min Scan# 3153
 Delta R.T. 0.974 min
 Lab File: VV038221.D
 Acq: 20 Nov 2024 17:34

Tgt Ion: 75 Resp: 13871
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.4 39.6
 110 2.4 32.3 48.5#





#67

1,2-Dichlorobenzene

Concen: 0.300 ug/L

RT: 11.574 min Scan# 31

Delta R.T. 0.003 min

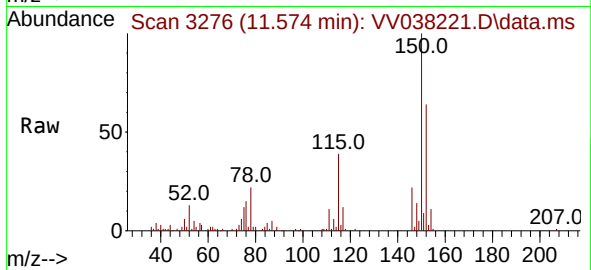
Lab File: VV038221.D

Acq: 20 Nov 2024 17:34

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:146 Resp: 10388

Ion Ratio Lower Upper

146 100

111 47.5 34.2 51.2

148 63.3 51.0 76.4

