

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112124\
 Data File : VV038243.D
 Acq On : 21 Nov 2024 15:59
 Operator : SY/MD
 Sample : P4883-08
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:48:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 22 01:41:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	236941	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	256632	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	107305	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	64942	3.576	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.600%
7) Chloroethane-d5	1.526	69	67944	4.625	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.600%
11) 1,1-Dichloroethene-d2	2.053	65	31024	3.970	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.400%
20) 2-Butanone-d5	3.783	46	186186	51.248	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.500%
24) Chloroform-d	4.240	84	167821	4.761	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	4.937	65	81990	5.184	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	4.953	84	283240	4.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
36) 1,2-Dichloropropane-d6	5.982	67	99886	4.894	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.239	98	221836	3.615	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.200%
43) trans-1,3-Dichloroprop...	7.558	79	31581	4.162	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.200%
46) 2-Hexanone-d5	8.018	63	161463	54.739	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.480%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	86358	4.984	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	11.554	152	96597	5.284	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	8233	0.463	ug/L	96
13) Acetone	1.841	43	465709	173.320	ug/L	41
16) Methylene chloride	2.442	84	33452	1.733	ug/L	99
17) Methyl tert-butyl Ether	2.699	73	3936	0.103	ug/L #	77
22) cis-1,2-Dichloroethene	3.806	96	6305	0.342	ug/L	89
29) 1,1,1-Trichloroethane	4.503	97	66360	2.156	ug/L	99
31) Carbon tetrachloride	4.500	117	8657	0.319	ug/L	99
34) Trichloroethene	5.825	95	196884	10.019	ug/L	98
35) Methylcyclohexane	5.982	83	24474	0.880	ug/L #	19
37) 1,2-Dichloropropane	5.986	63	10612	0.588	ug/L #	87
42) Toluene	7.320	91	38657	0.506	ug/L	96
47) Tetrachloroethene	7.899	164	119813	7.588	ug/L	97
49) Dibromochloromethane	7.895	129	108763	6.812	ug/L #	11
51) Chlorobenzene	8.815	112	19434	0.369	ug/L	99
52) Ethylbenzene	8.956	91	13313	0.164	ug/L	98
53) m,p-Xylene	9.075	106	9732	0.318	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.178	83	2588	0.151	ug/L #	87
61) 1,2,3-Trichloropropane	11.178	75	12181	1.326	ug/L #	66
67) 1,2-Dichlorobenzene	11.574	146	9539	0.311	ug/L #	89

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QLast Update : Fri Nov 22 01:41:27 2024
Response via : Initial Calibration

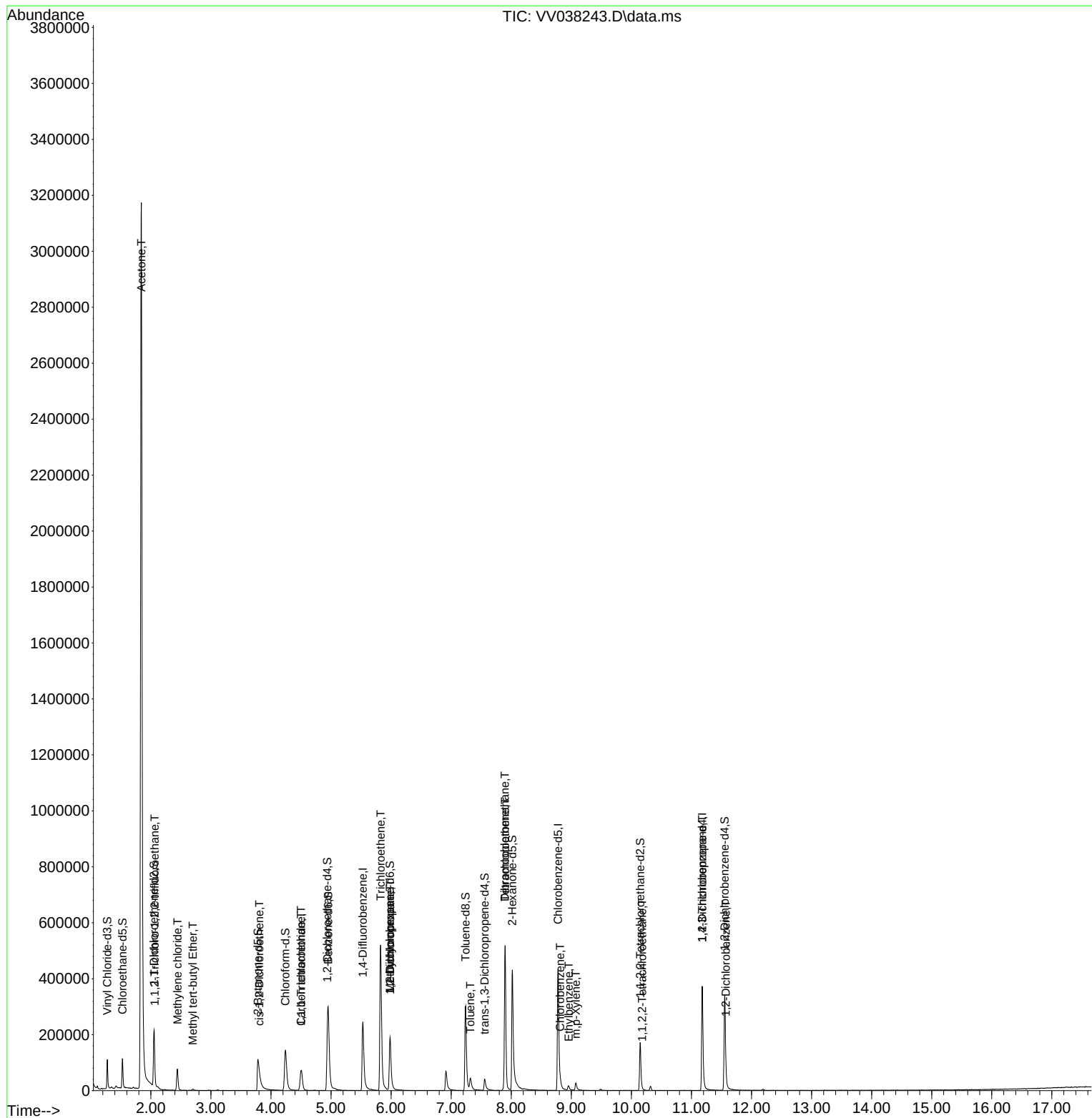
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

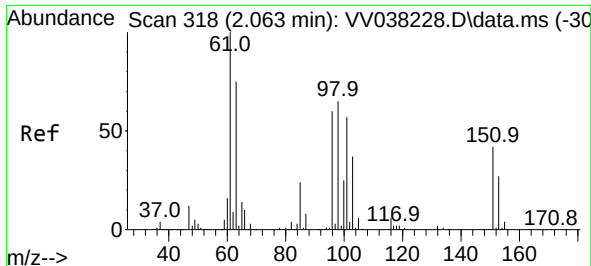
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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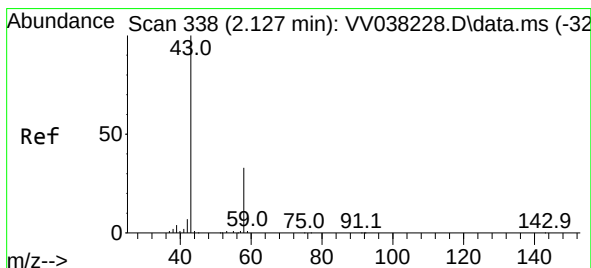
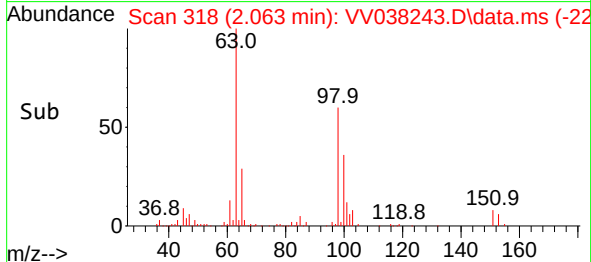
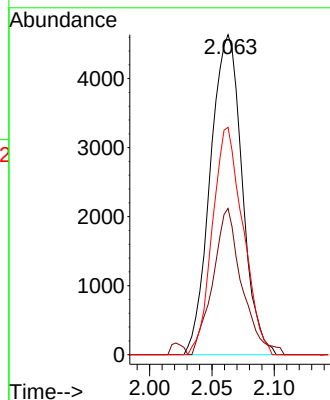
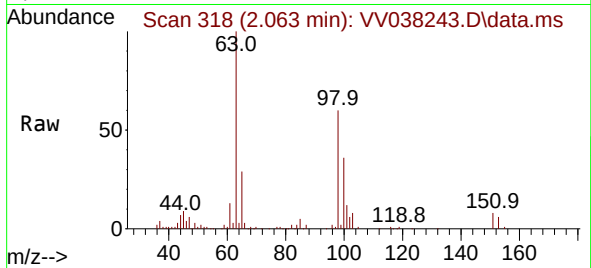




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.463 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV038243.D
Acq: 21 Nov 2024 15:59

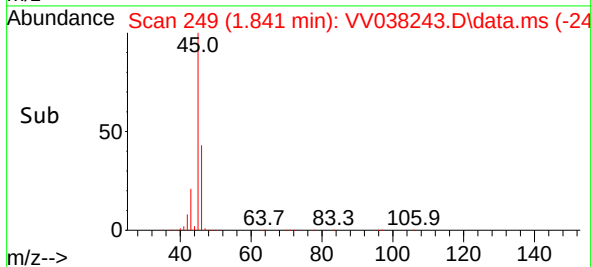
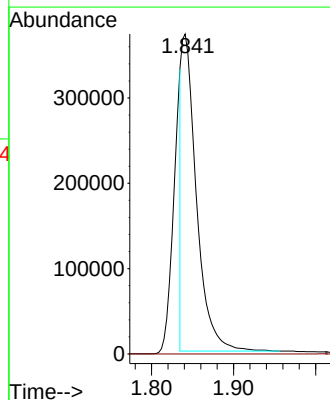
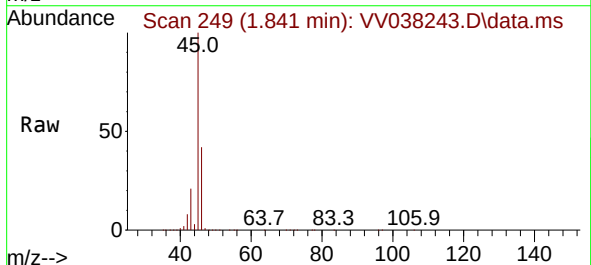
Instrument :
MSVOA_V
ClientSampleId :

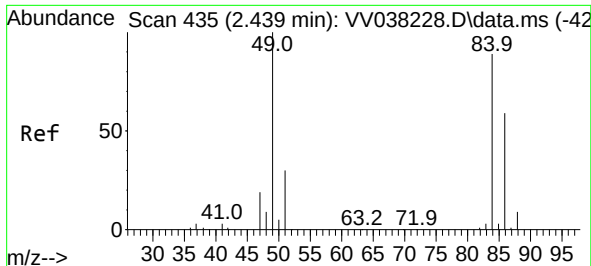
Tgt Ion:101 Resp: 8233
Ion Ratio Lower Upper
101 100
85 41.6 33.4 50.0
151 68.4 58.8 88.2



#13
Acetone
Concen: 173.320 ug/L
RT: 1.841 min Scan# 249
Delta R.T. -0.286 min
Lab File: VV038243.D
Acq: 21 Nov 2024 15:59

Tgt Ion: 43 Resp: 465709
Ion Ratio Lower Upper
43 100
58 0.0 0.0 67.2

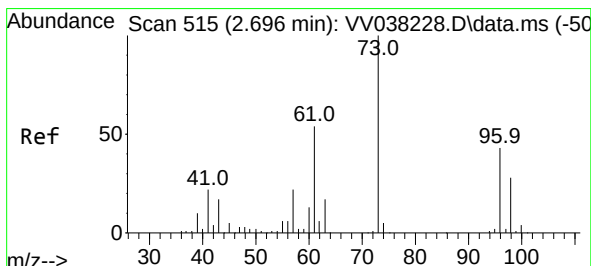
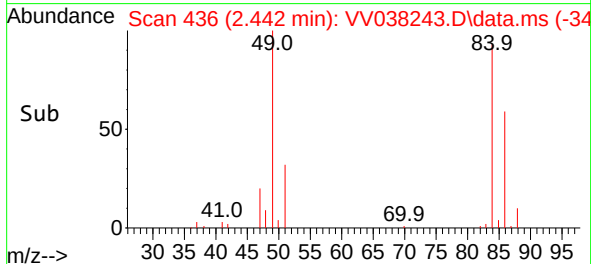
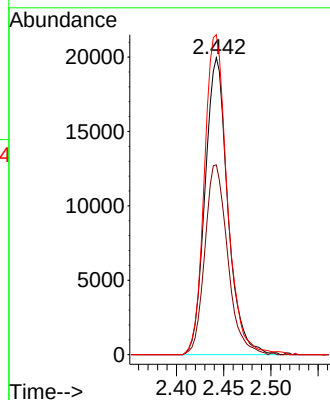
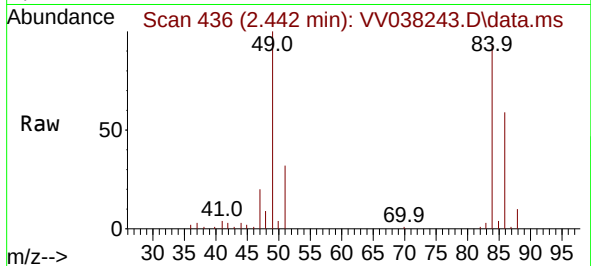




#16
Methylene chloride
Concen: 1.733 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV038243.D
Acq: 21 Nov 2024 15:59

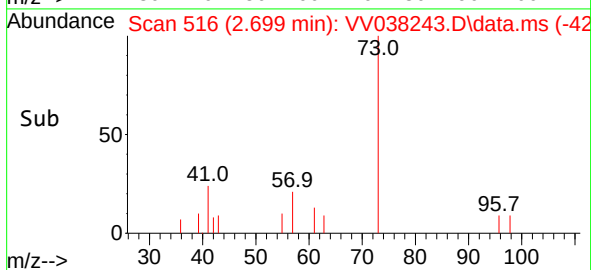
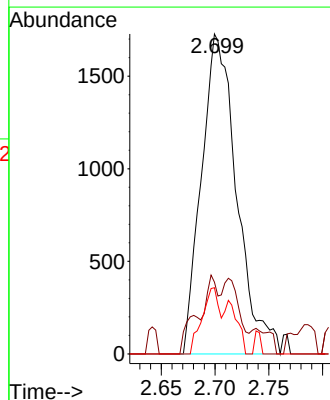
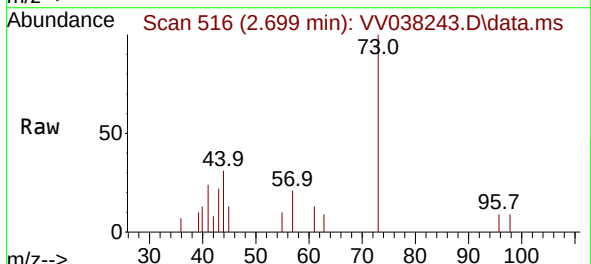
Instrument :
MSVOA_V
ClientSampleId :

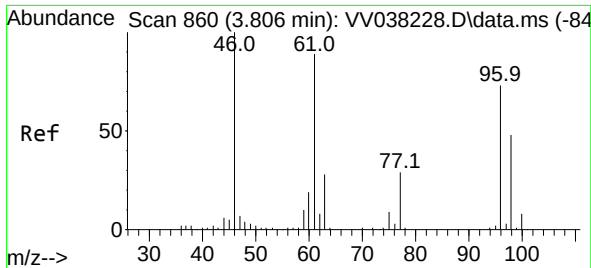
Tgt Ion: 84 Resp: 33452
Ion Ratio Lower Upper
84 100
86 63.9 44.2 82.2
49 107.8 74.9 139.1



#17
Methyl tert-butyl Ether
Concen: 0.103 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV038243.D
Acq: 21 Nov 2024 15:59

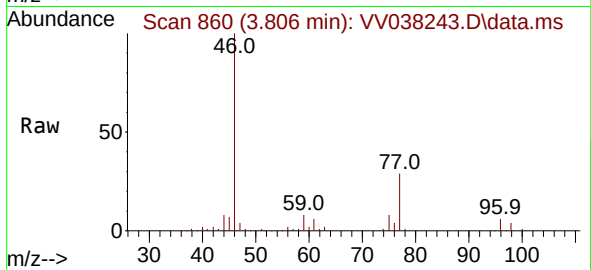
Tgt Ion: 73 Resp: 3936
Ion Ratio Lower Upper
73 100
43 8.2 14.2 21.2#
57 10.2 17.6 26.4#



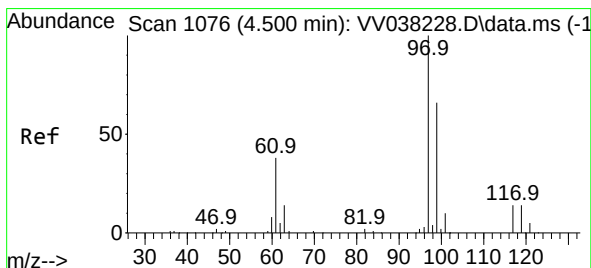
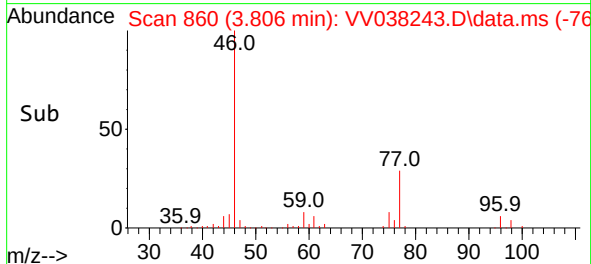
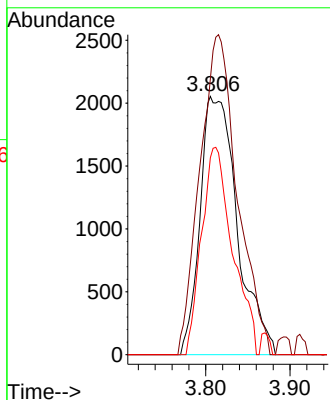


#22
 cis-1,2-Dichloroethene
 Concen: 0.342 ug/L
 RT: 3.806 min Scan# 860
 Delta R.T. -0.000 min
 Lab File: VV038243.D
 Acq: 21 Nov 2024 15:59

Instrument :
 MSVOA_V
 ClientSampleId :

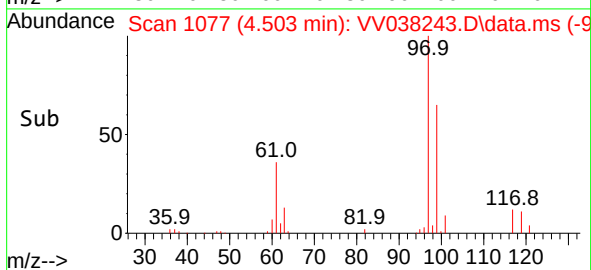
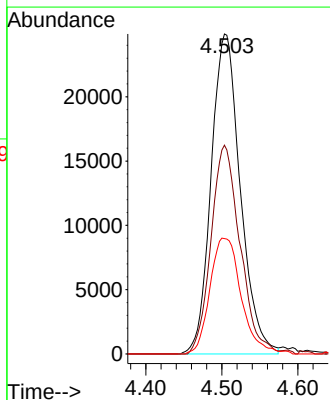
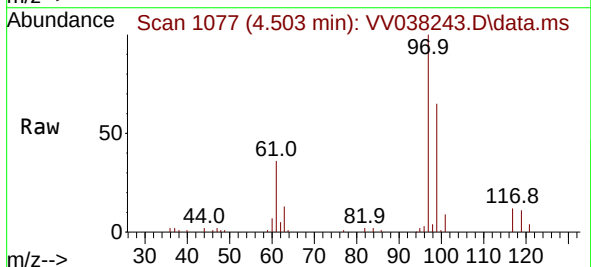


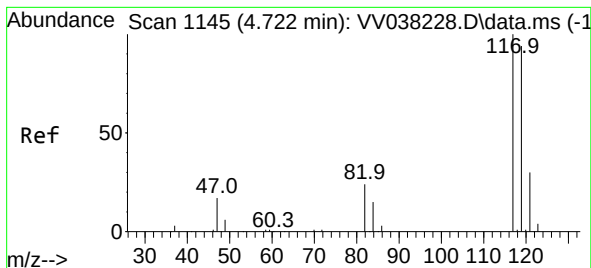
Tgt Ion:	96	Resp:	6305
Ion	Ratio	Lower	Upper
96	100		
61	106.8	82.7	153.5
98	76.2	46.3	85.9



#29
 1,1,1-Trichloroethane
 Concen: 2.156 ug/L
 RT: 4.503 min Scan# 1077
 Delta R.T. 0.003 min
 Lab File: VV038243.D
 Acq: 21 Nov 2024 15:59

Tgt Ion:	97	Resp:	66360
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.8
61	38.6	32.2	48.2





#31

Carbon tetrachloride

Concen: 0.319 ug/L

RT: 4.500 min Scan# 1145

Delta R.T. -0.222 min

Lab File: VV038243.D

Acq: 21 Nov 2024 15:59

Instrument :

MSVOA_V

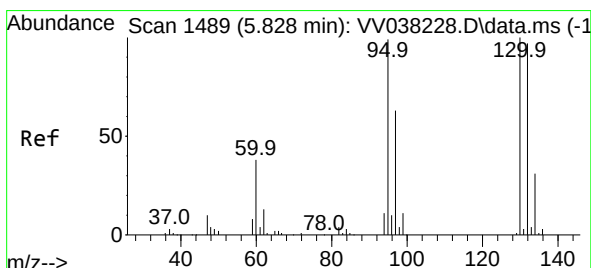
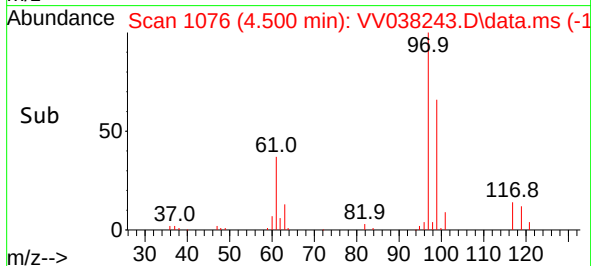
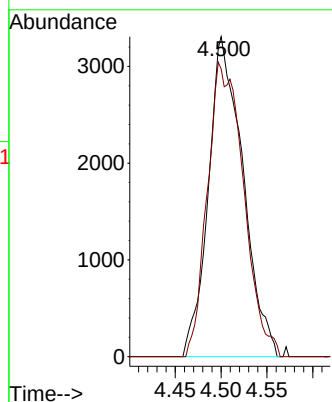
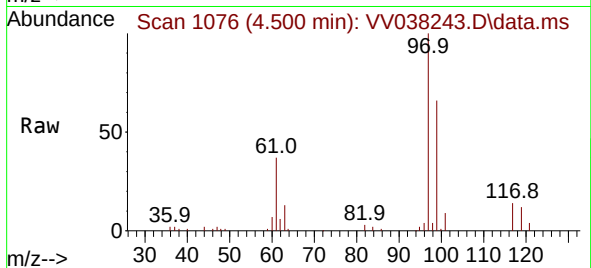
ClientSampleId :

Tgt Ion:117 Resp: 8657

Ion Ratio Lower Upper

117 100

119 96.2 77.4 116.2



#34

Trichloroethene

Concen: 10.019 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.003 min

Lab File: VV038243.D

Acq: 21 Nov 2024 15:59

Tgt Ion: 95 Resp: 196884

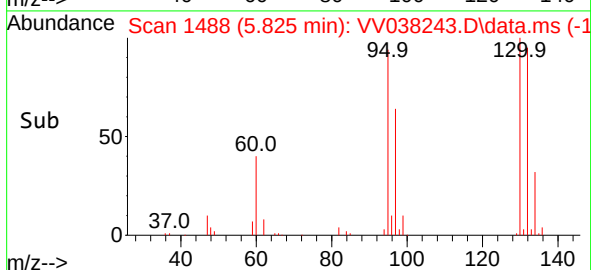
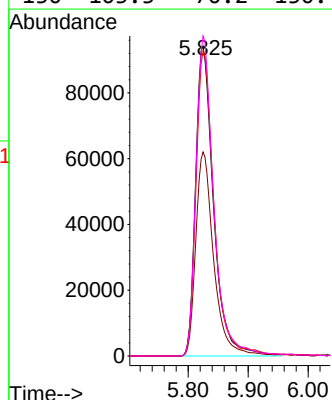
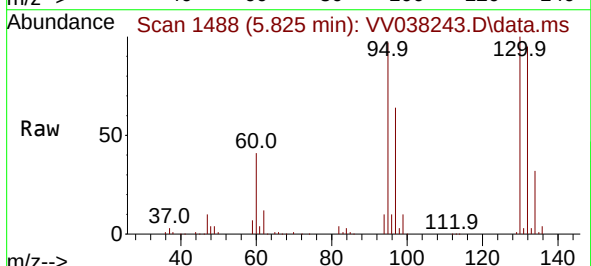
Ion Ratio Lower Upper

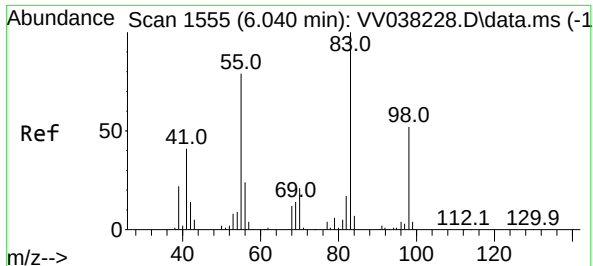
95 100

97 65.8 44.8 83.2

132 98.5 68.3 126.8

130 103.3 70.2 130.4





#35

Methylcyclohexane

Concen: 0.880 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038243.D

Acq: 21 Nov 2024 15:59

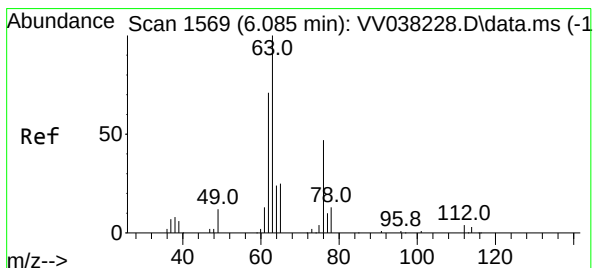
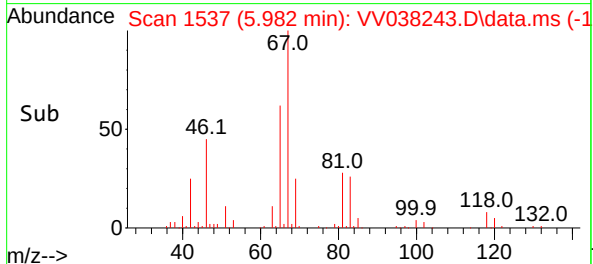
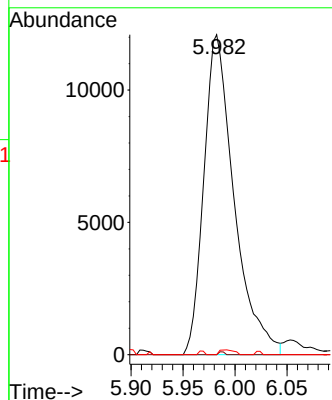
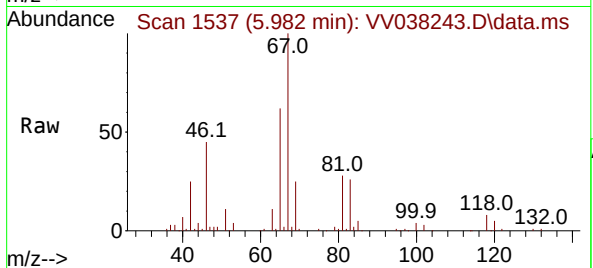
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83 Resp: 24474

Ion	Ratio	Lower	Upper
83	100		
55	0.2	59.7	89.5#
98	0.7	39.0	58.4#



#37

1,2-Dichloropropane

Concen: 0.588 ug/L

RT: 5.986 min Scan# 1538

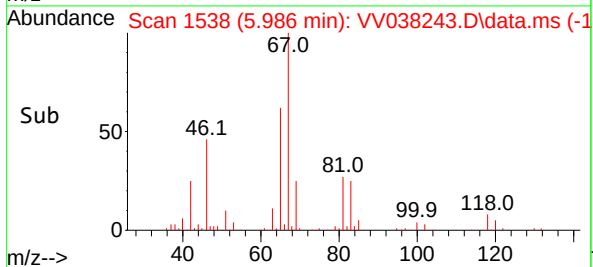
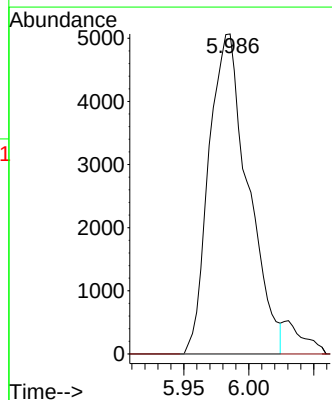
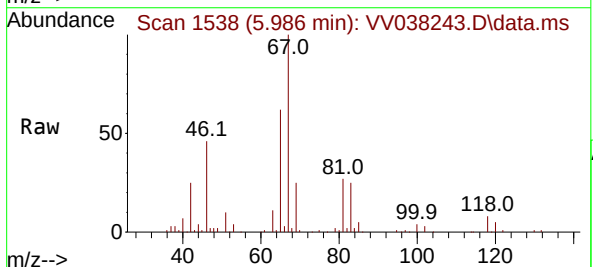
Delta R.T. -0.100 min

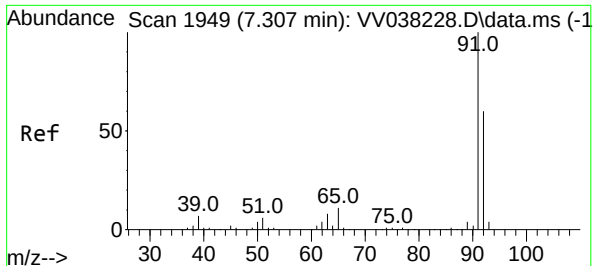
Lab File: VV038243.D

Acq: 21 Nov 2024 15:59

Tgt Ion: 63 Resp: 10612

Ion	Ratio	Lower	Upper
63	100		
112	0.5	3.9	5.9#





#42

Toluene

Concen: 0.506 ug/L

RT: 7.320 min Scan# 1949

Delta R.T. 0.013 min

Lab File: VV038243.D

Acq: 21 Nov 2024 15:59

Instrument :

MSVOA_V

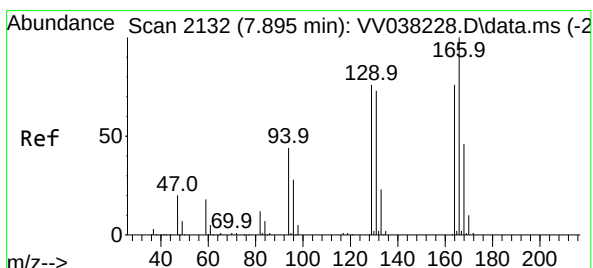
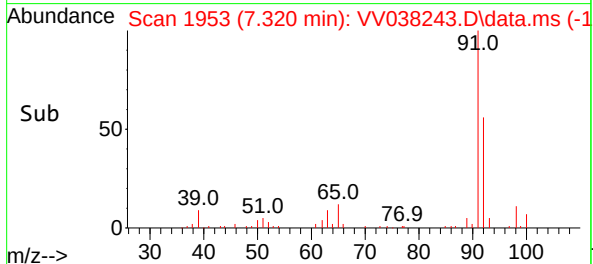
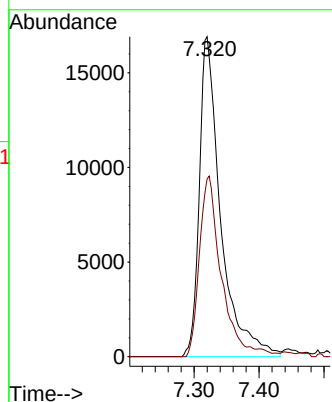
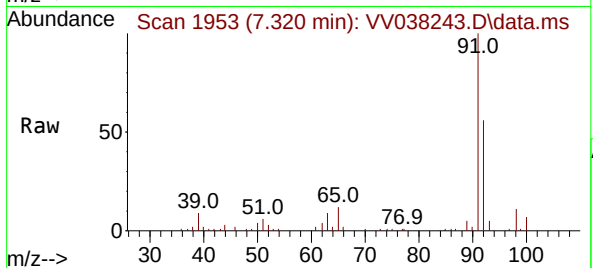
ClientSampleId :

Tgt Ion: 91 Resp: 38657

Ion Ratio Lower Upper

91 100

92 55.5 40.8 75.8



#47

Tetrachloroethene

Concen: 7.588 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.003 min

Lab File: VV038243.D

Acq: 21 Nov 2024 15:59

Tgt Ion: 164 Resp: 119813

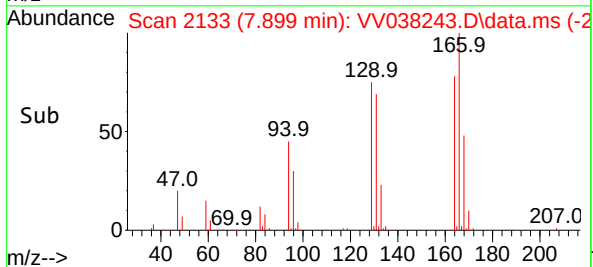
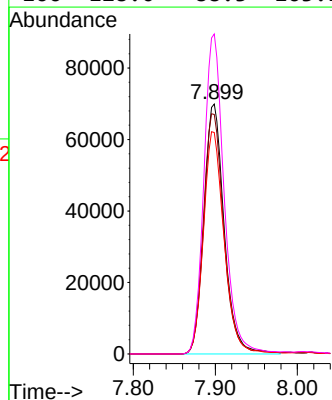
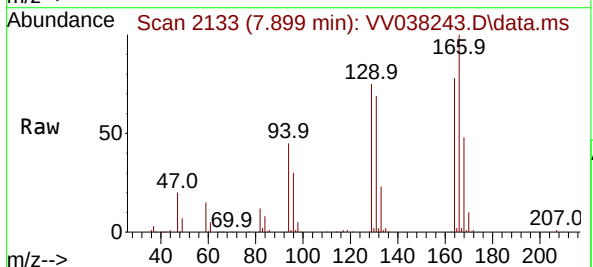
Ion Ratio Lower Upper

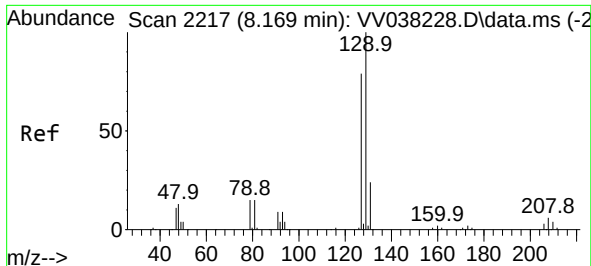
164 100

129 95.9 68.5 127.1

131 88.6 64.8 120.4

166 128.0 88.3 163.9

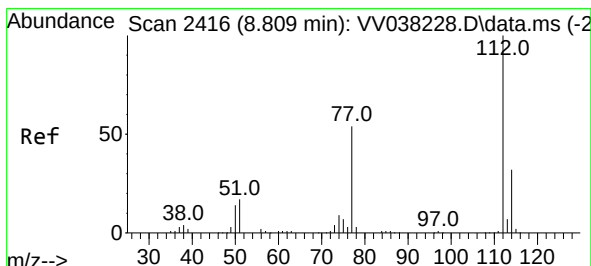
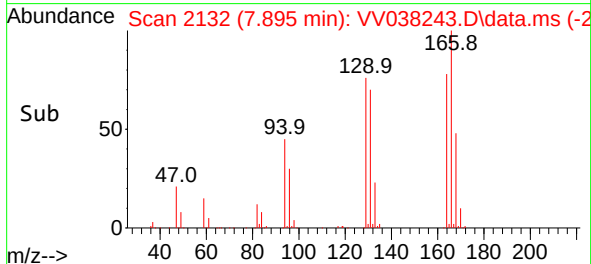
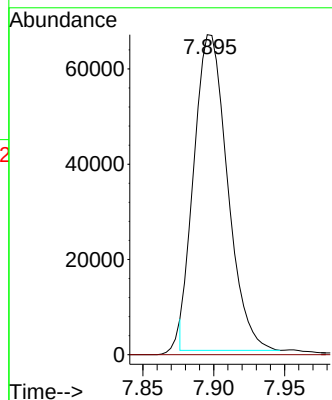
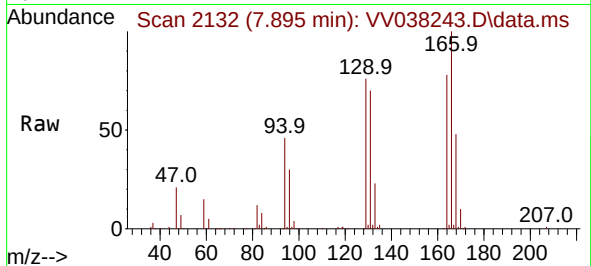




#49
Dibromochloromethane
Concen: 6.812 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.273 min
Lab File: VV038243.D
Acq: 21 Nov 2024 15:59

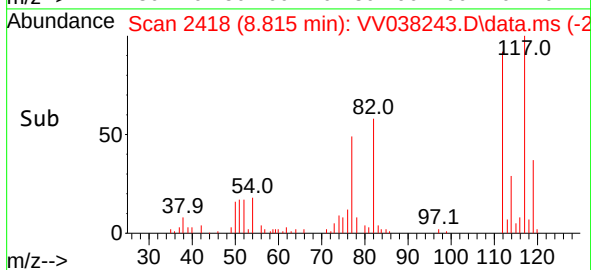
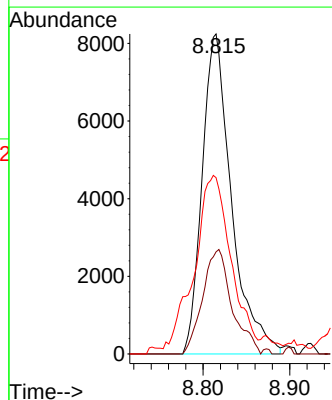
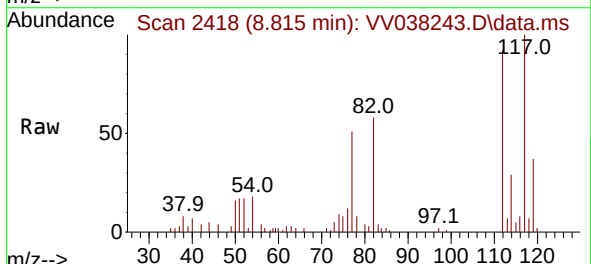
Instrument :
MSVOA_V
ClientSampleId :

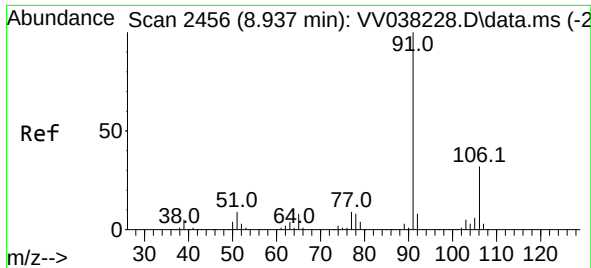
Tgt Ion:129 Resp: 108763
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#



#51
Chlorobenzene
Concen: 0.369 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.006 min
Lab File: VV038243.D
Acq: 21 Nov 2024 15:59

Tgt Ion:112 Resp: 19434
Ion Ratio Lower Upper
112 100
114 31.9 22.0 40.8
77 55.1 45.0 67.4

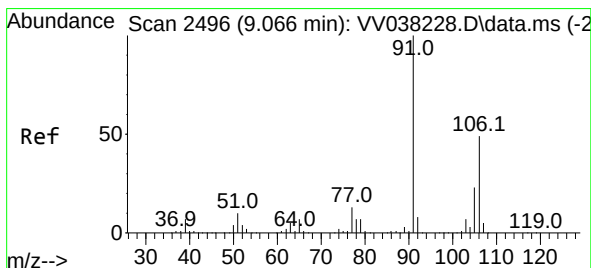
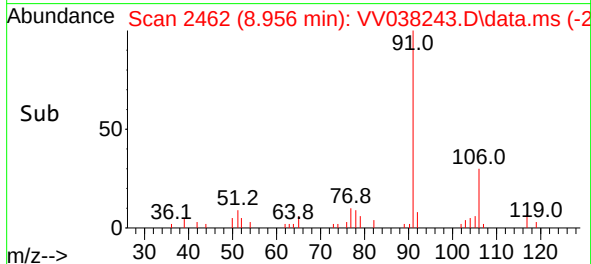
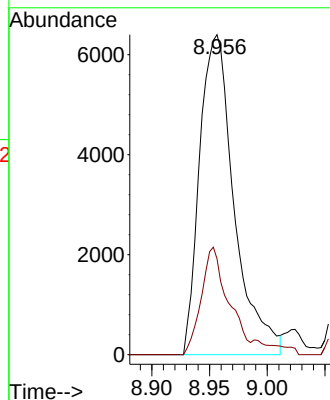
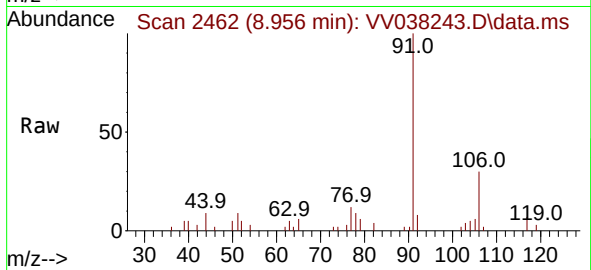




#52
Ethylbenzene
Concen: 0.164 ug/L
RT: 8.956 min Scan# 2456
Delta R.T. 0.019 min
Lab File: VV038243.D
Acq: 21 Nov 2024 15:59

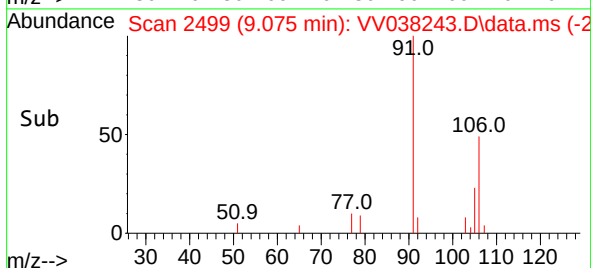
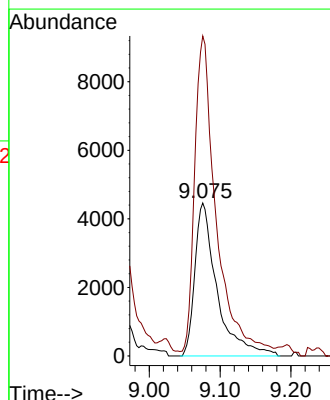
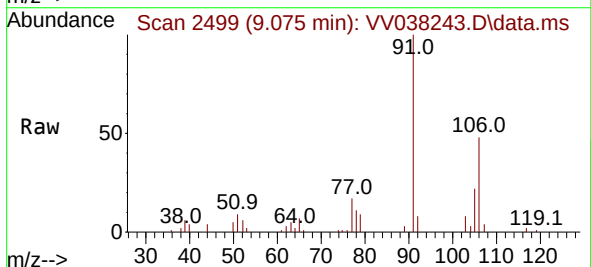
Instrument :
MSVOA_V
ClientSampleId :

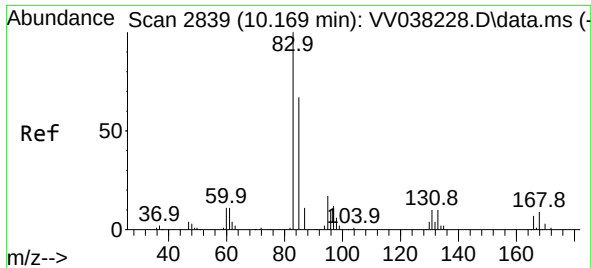
Tgt Ion: 91 Resp: 13313
Ion Ratio Lower Upper
91 100
106 30.0 21.8 40.4



#53
m,p-Xylene
Concen: 0.318 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.010 min
Lab File: VV038243.D
Acq: 21 Nov 2024 15:59

Tgt Ion: 106 Resp: 9732
Ion Ratio Lower Upper
106 100
91 209.2 138.7 257.5

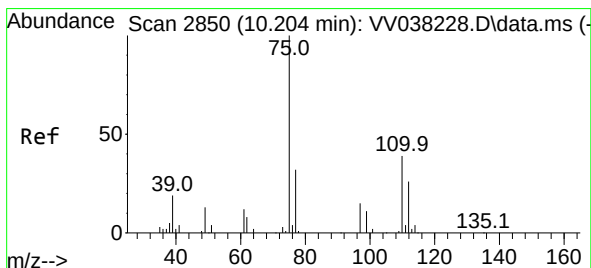
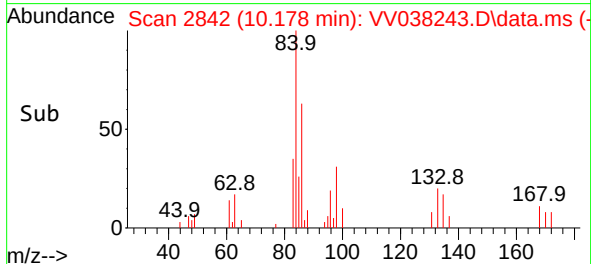
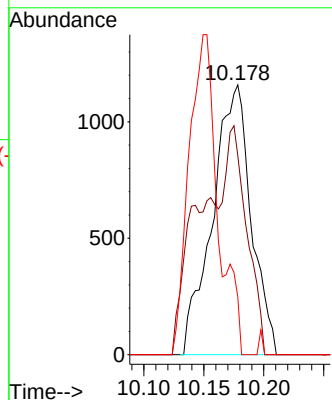
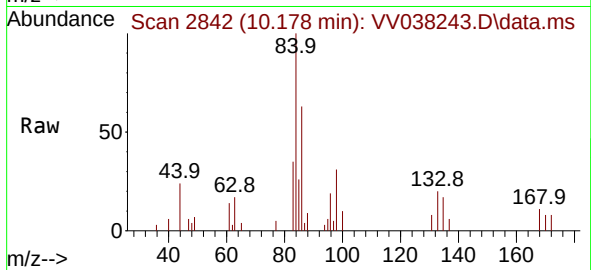




#57
1,1,2,2-Tetrachloroethane
Concen: 0.151 ug/L
RT: 10.178 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV038243.D
Acq: 21 Nov 2024 15:59

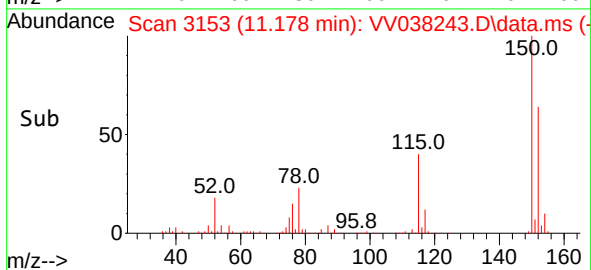
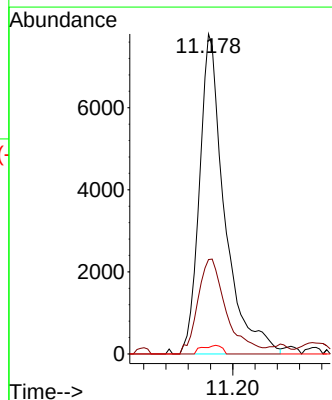
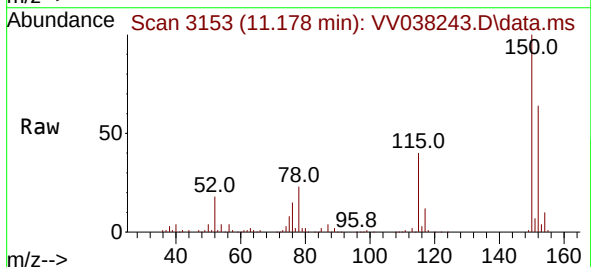
Instrument :
MSVOA_V
ClientSampleId :

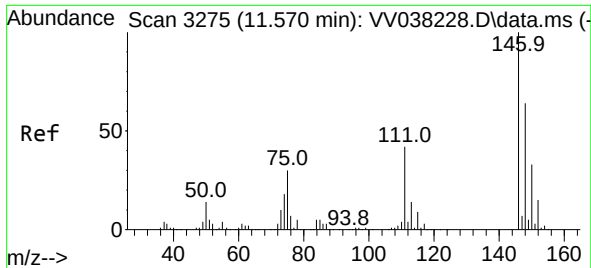
Tgt Ion: 83 Resp: 2588
Ion Ratio Lower Upper
83 100
85 73.8 45.7 84.9
131 21.5 8.2 12.4#



#61
1,2,3-Trichloropropane
Concen: 1.326 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.974 min
Lab File: VV038243.D
Acq: 21 Nov 2024 15:59

Tgt Ion: 75 Resp: 12181
Ion Ratio Lower Upper
75 100
77 33.6 26.4 39.6
110 2.1 32.3 48.5#





#67

1,2-Dichlorobenzene

Concen: 0.311 ug/L

RT: 11.574 min Scan# 31

Delta R.T. 0.003 min

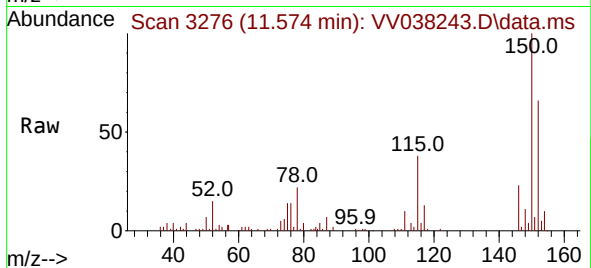
Lab File: VV038243.D

Acq: 21 Nov 2024 15:59

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:146 Resp: 9539

Ion Ratio Lower Upper

146 100

111 43.3 34.2 51.2

148 49.3 51.0 76.4#

