

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112524\
 Data File : VV038337.D
 Acq On : 25 Nov 2024 12:26
 Operator : SY/MD
 Sample : P4884-01DL 5X
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 26 00:41:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 26 00:39:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	163940	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	180367	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	80084	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	48786	3.883	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.600%
7) Chloroethane-d5	1.503	69	29025	2.856	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	57.200%#
11) 1,1-Dichloroethene-d2	2.044	65	23978	4.434	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.600%
20) 2-Butanone-d5	3.789	46	161016	64.055	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.100%
24) Chloroform-d	4.236	84	146200	5.995	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.000%
26) 1,2-Dichloroethane-d4	4.934	65	71806	6.562	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	131.200%#
32) Benzene-d6	4.950	84	251738	5.400	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.000%
36) 1,2-Dichloropropane-d6	5.982	67	85521	5.962	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	119.200%
41) Toluene-d8	7.236	98	187462	4.346	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
43) trans-1,3-Dichloroprop...	7.558	79	28490	5.342	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.800%
46) 2-Hexanone-d5	8.024	63	133821	64.551	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.100%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	82068	6.739	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	134.800%#
66) 1,2-Dichlorobenzene-d4	11.554	152	83467	6.117	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.400%#
Target Compounds						
					Qvalue	
6) Bromomethane	1.465	94	1121	0.190	ug/L	95
9) Trichlorofluoromethane	1.690	101	270228	12.547	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.047	101	4128	0.336	ug/L	90
12) 1,1-Dichloroethene	2.053	96	4220	0.360	ug/L #	1
16) Methylene chloride	2.436	84	20324	1.522	ug/L	93
17) Methyl tert-butyl Ether	2.696	73	42197	1.594	ug/L	95
19) 1,1-Dichloroethane	3.101	63	35487	1.585	ug/L	95
22) cis-1,2-Dichloroethene	3.812	96	3736	0.293	ug/L	91
25) Chloroform	4.278	83	3607	0.151	ug/L	89
29) 1,1,1-Trichloroethane	4.500	97	15165	0.701	ug/L	95
34) Trichloroethene	5.838	95	14075	1.019	ug/L	95
35) Methylcyclohexane	5.982	83	20792	1.064	ug/L #	19
37) 1,2-Dichloropropane	5.979	63	8942	0.705	ug/L #	87
39) cis-1,3-Dichloropropene	6.915	75	2304	0.130	ug/L #	65
42) Toluene	7.330	91	10651	0.199	ug/L	96
44) trans-1,3-Dichloropropene	7.555	75	1202	0.080	ug/L	85
47) Tetrachloroethene	7.902	164	23824	2.147	ug/L	93
49) Dibromochloromethane	7.899	129	22967	2.047	ug/L #	11
51) Chlorobenzene	8.815	112	6752	0.183	ug/L	96

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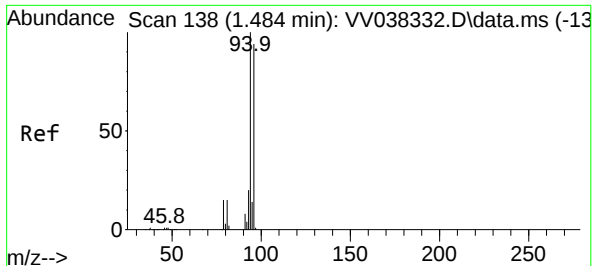
Quant Time: Nov 26 00:41:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 26 00:39:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.088	106	2153	0.100	ug/L	92
61) 1,2,3-Trichloropropane	11.178	75	9851	1.437	ug/L #	65

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

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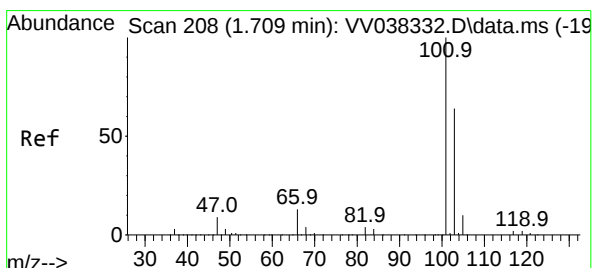
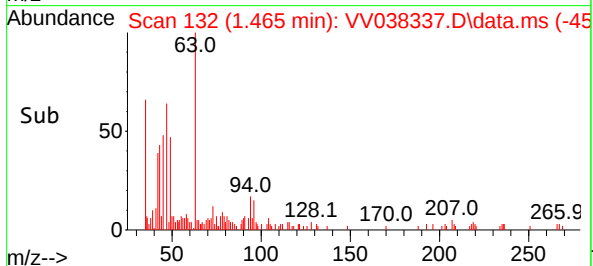
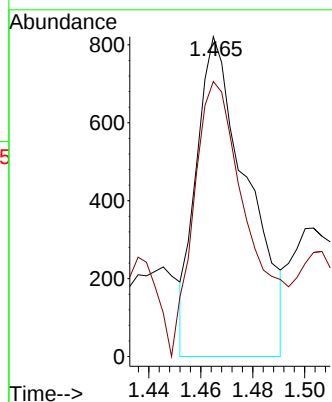
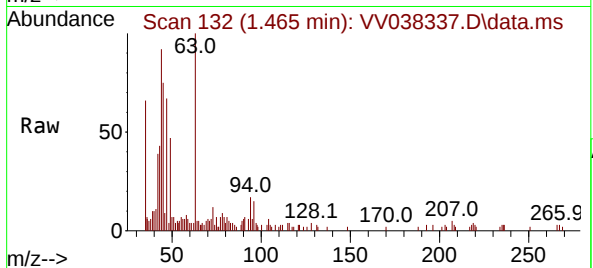




#6
Bromomethane
Concen: 0.190 ug/L
RT: 1.465 min Scan# 11
Delta R.T. -0.019 min
Lab File: VV038337.D
Acq: 25 Nov 2024 12:26

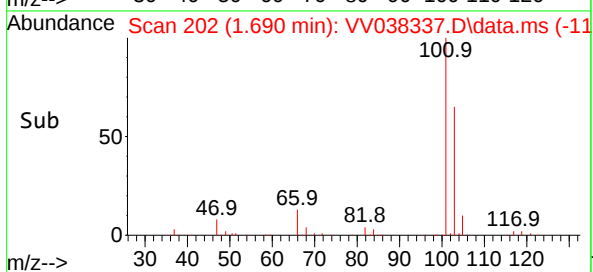
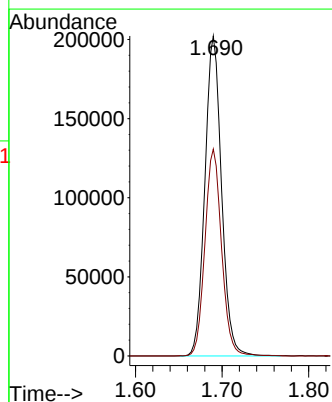
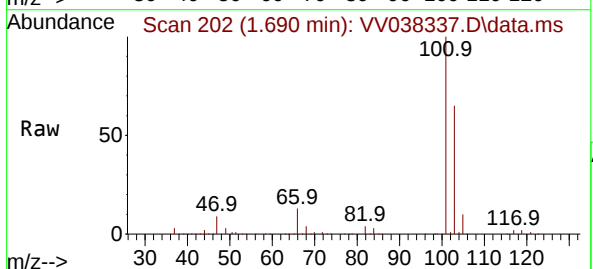
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MSVOA_V
ClientSampleId :

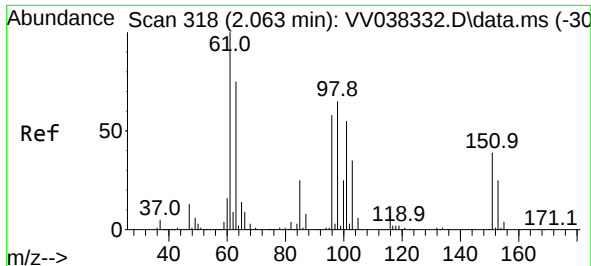
Tgt Ion: 94 Resp: 1121
Ion Ratio Lower Upper
94 100
96 86.0 63.7 118.3



#9
Trichlorofluoromethane
Concen: 12.547 ug/L
RT: 1.690 min Scan# 202
Delta R.T. -0.019 min
Lab File: VV038337.D
Acq: 25 Nov 2024 12:26

Tgt Ion:101 Resp: 270228
Ion Ratio Lower Upper
101 100
103 64.5 51.5 77.3

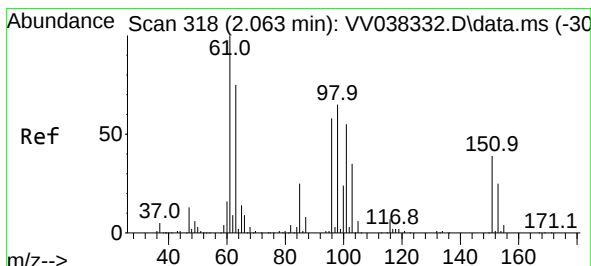
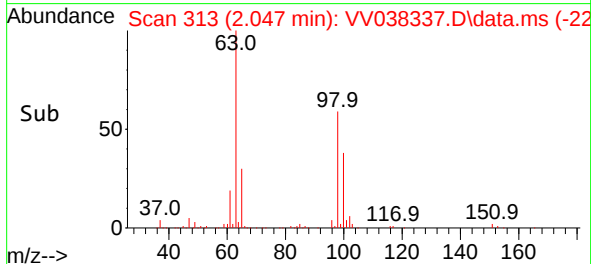
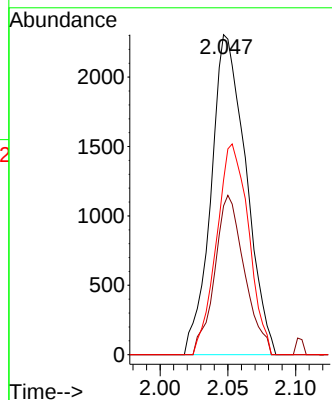
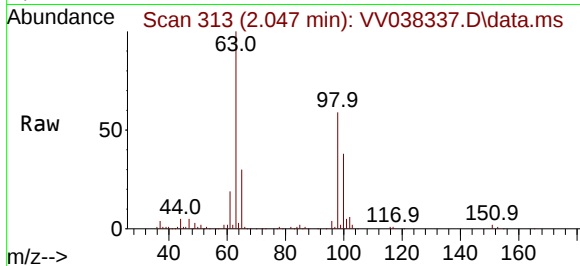




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.336 ug/L
 RT: 2.047 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: VV038337.D
 Acq: 25 Nov 2024 12:26

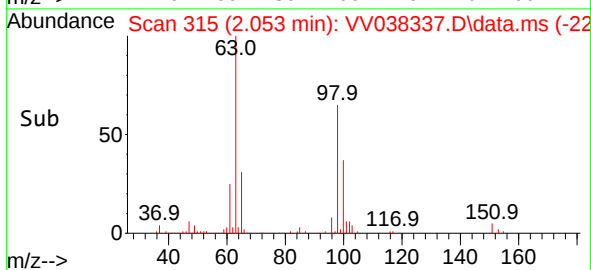
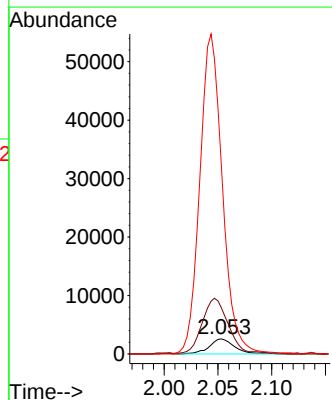
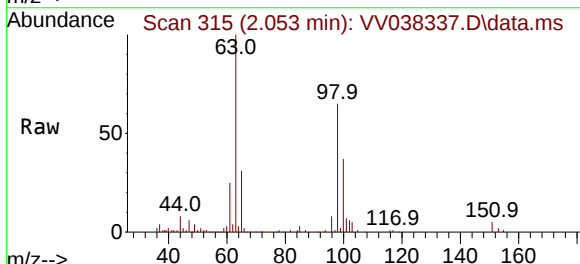
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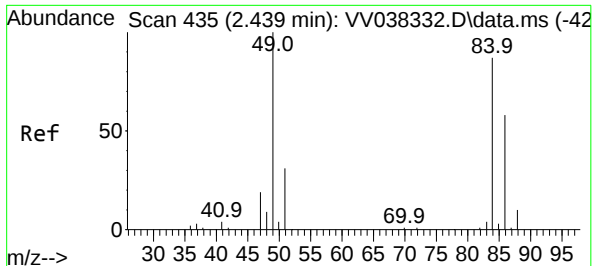
Tgt Ion:101 Resp: 4128
 Ion Ratio Lower Upper
 101 100
 85 42.5 33.4 50.0
 151 60.7 58.8 88.2



#12
 1,1-Dichloroethene
 Concen: 0.360 ug/L
 RT: 2.053 min Scan# 315
 Delta R.T. -0.010 min
 Lab File: VV038337.D
 Acq: 25 Nov 2024 12:26

Tgt Ion: 96 Resp: 4220
 Ion Ratio Lower Upper
 96 100
 61 304.8 115.7 214.9#
 63 1234.1 101.1 187.7#

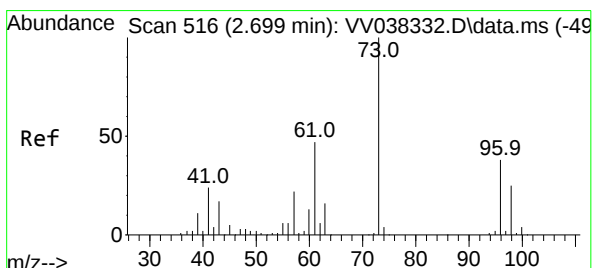
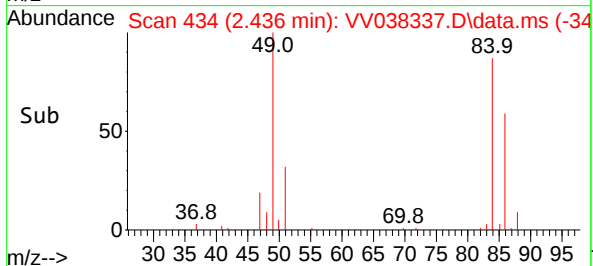
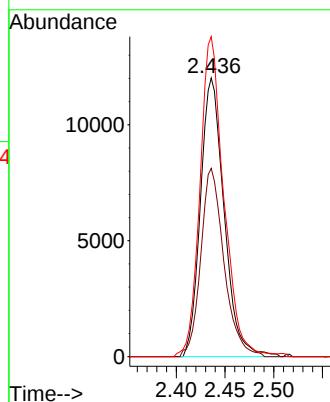
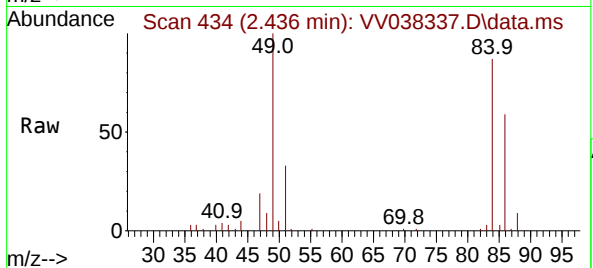




#16
Methylene chloride
Concen: 1.522 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV038337.D
Acq: 25 Nov 2024 12:26

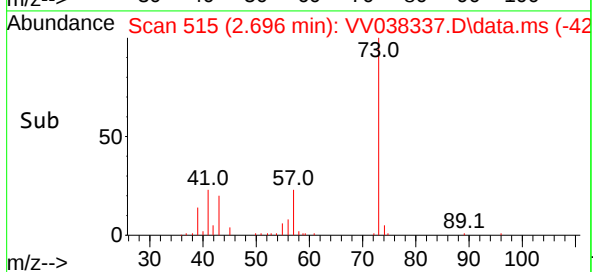
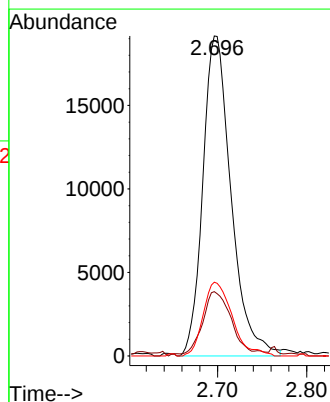
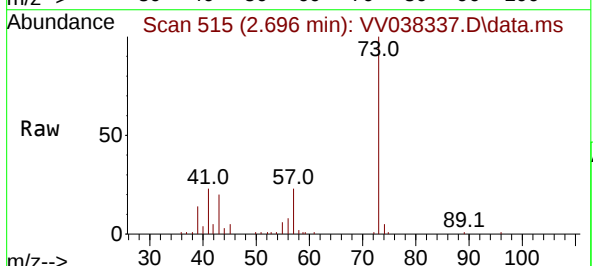
Instrument :
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ClientSampleId :

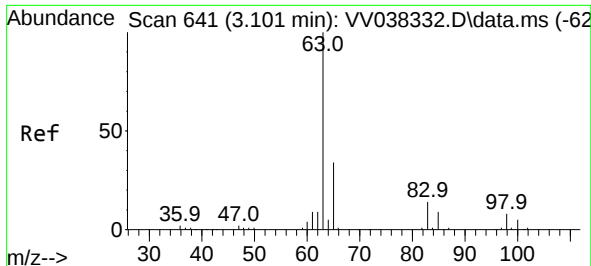
Tgt Ion: 84 Resp: 20324
Ion Ratio Lower Upper
84 100
86 67.6 44.2 82.2
49 114.8 74.9 139.1



#17
Methyl tert-butyl Ether
Concen: 1.594 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV038337.D
Acq: 25 Nov 2024 12:26

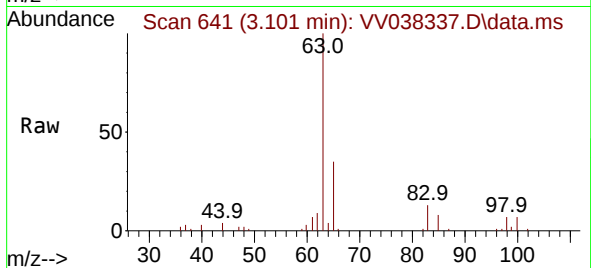
Tgt Ion: 73 Resp: 42197
Ion Ratio Lower Upper
73 100
43 20.7 14.2 21.2
57 23.7 17.6 26.4



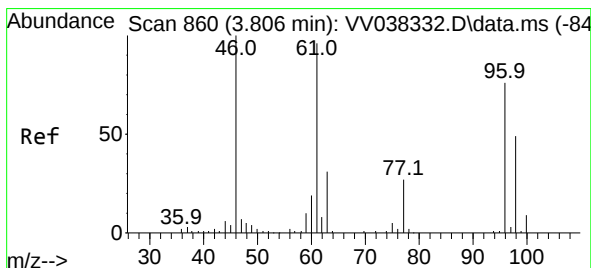
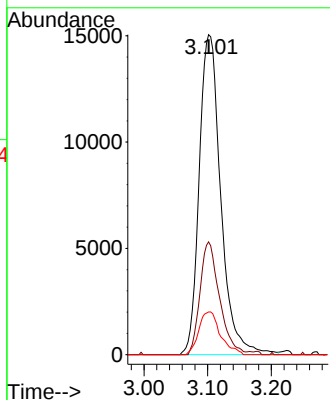
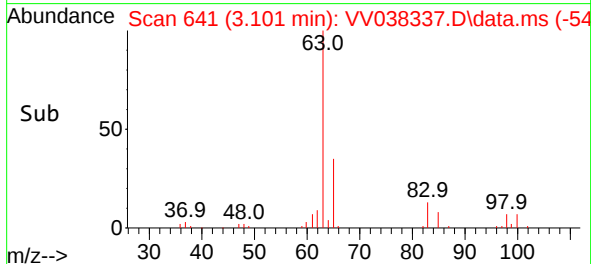


#19
 1,1-Dichloroethane
 Concen: 1.585 ug/L
 RT: 3.101 min Scan# 641
 Delta R.T. 0.000 min
 Lab File: VV038337.D
 Acq: 25 Nov 2024 12:26

Instrument :
 MSVOA_V
 ClientSampleId :

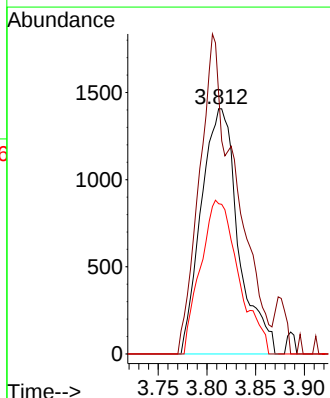
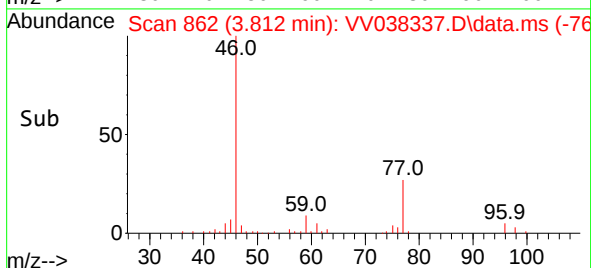
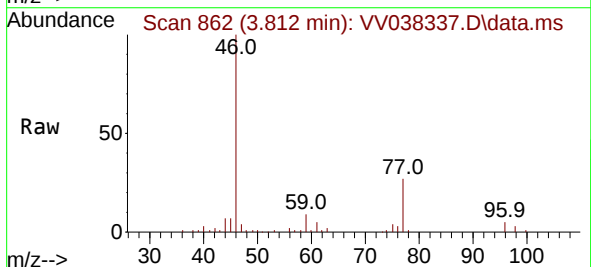


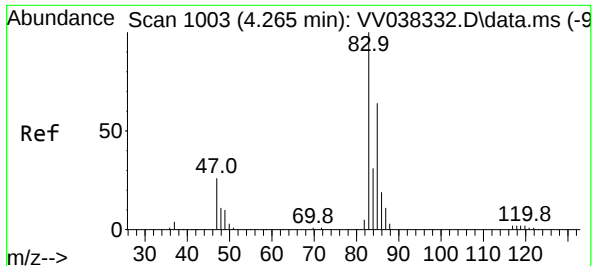
Tgt Ion:	63	Resp:	35487
Ion	Ratio	Lower	Upper
63	100		
65	35.3	22.5	41.7
83	13.4	10.1	18.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.293 ug/L
 RT: 3.812 min Scan# 862
 Delta R.T. 0.006 min
 Lab File: VV038337.D
 Acq: 25 Nov 2024 12:26

Tgt Ion:	96	Resp:	3736
Ion	Ratio	Lower	Upper
96	100		
61	105.9	82.7	153.5
98	61.3	46.3	85.9





#25

Chloroform

Concen: 0.151 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.013 min

Lab File: VV038337.D

Acq: 25 Nov 2024 12:26

Instrument :

MSVOA_V

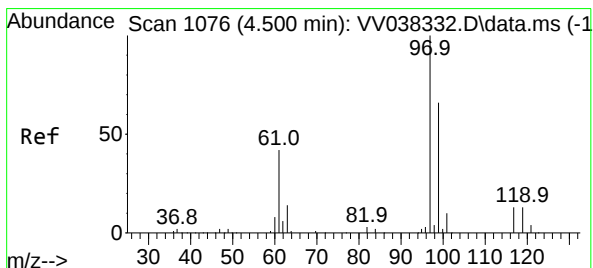
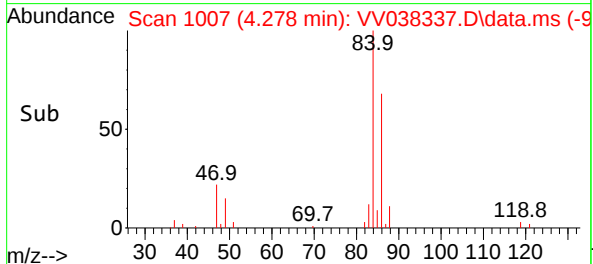
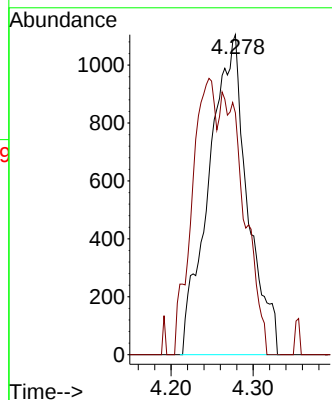
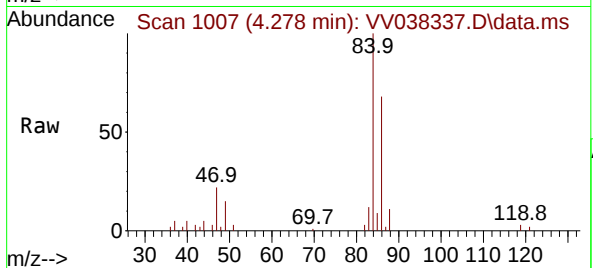
ClientSampleId :

Tgt Ion: 83 Resp: 3607

Ion Ratio Lower Upper

83 100

85 75.6 46.5 86.3



#29

1,1,1-Trichloroethane

Concen: 0.701 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV038337.D

Acq: 25 Nov 2024 12:26

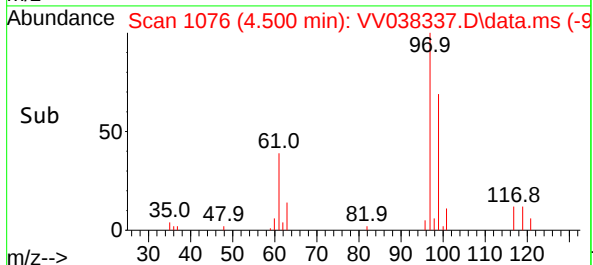
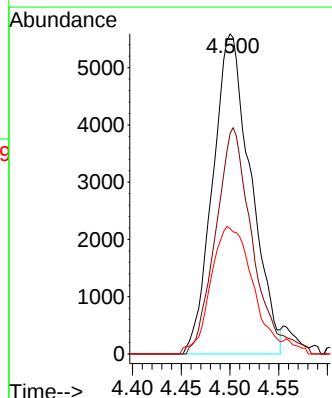
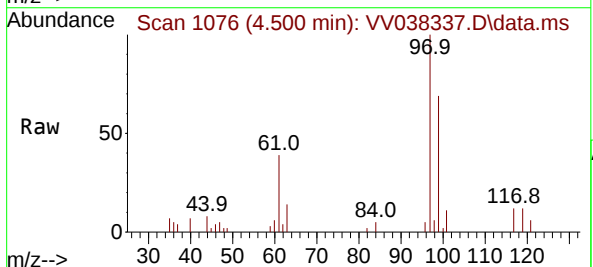
Tgt Ion: 97 Resp: 15165

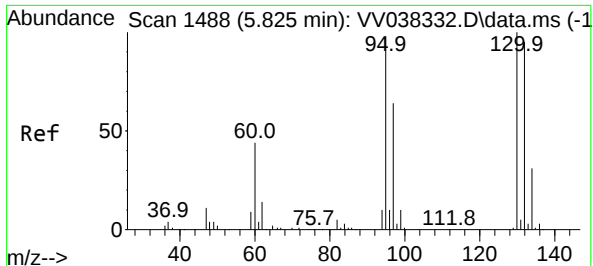
Ion Ratio Lower Upper

97 100

99 68.7 51.8 77.8

61 43.6 32.2 48.2



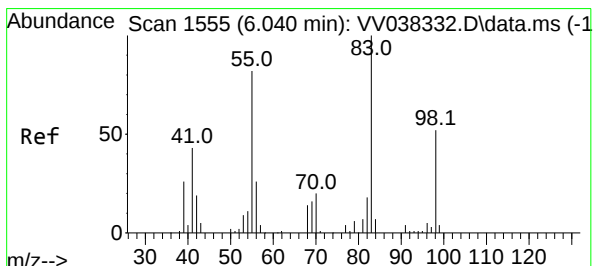
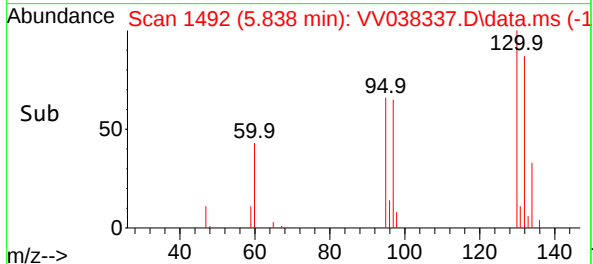
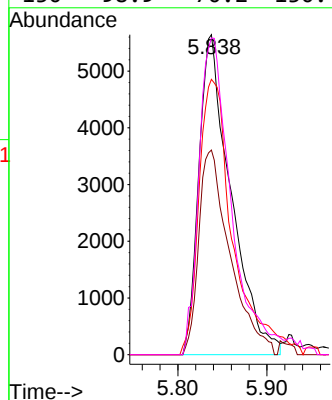
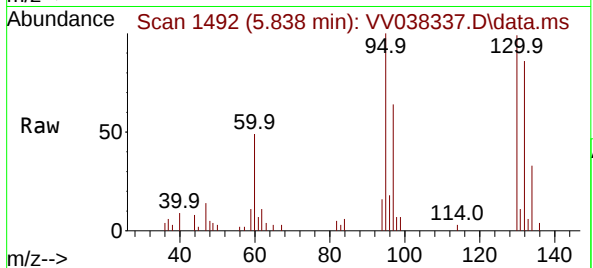


#34
Trichloroethene
Concen: 1.019 ug/L
RT: 5.838 min Scan# 1488
Delta R.T. 0.013 min
Lab File: VV038337.D
Acq: 25 Nov 2024 12:26

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 14075

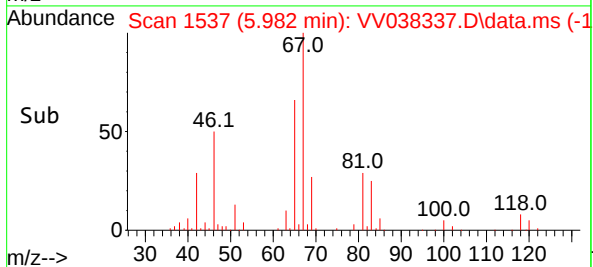
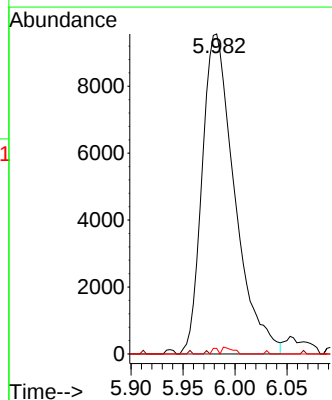
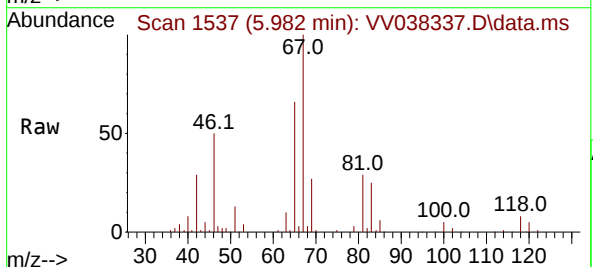
Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.8	83.2
132	86.1	68.3	126.8
130	98.9	70.2	130.4

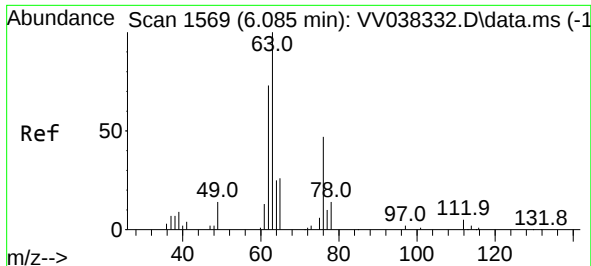


#35
Methylcyclohexane
Concen: 1.064 ug/L
RT: 5.982 min Scan# 1537
Delta R.T. -0.058 min
Lab File: VV038337.D
Acq: 25 Nov 2024 12:26

Tgt Ion: 83 Resp: 20792

Ion	Ratio	Lower	Upper
83	100		
55	0.1	59.7	89.5#
98	0.3	39.0	58.4#

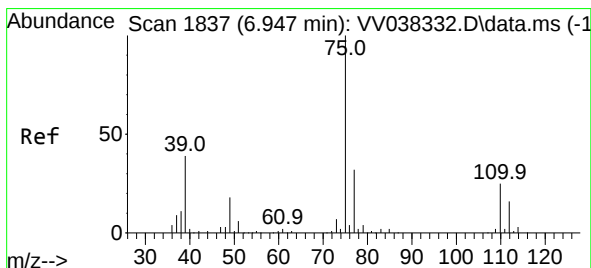
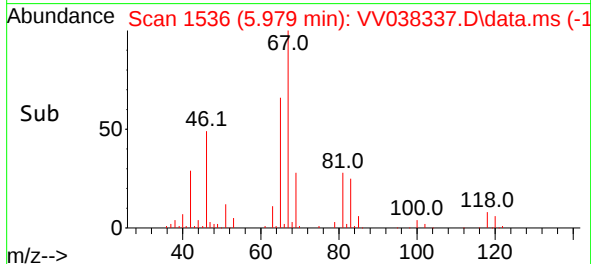
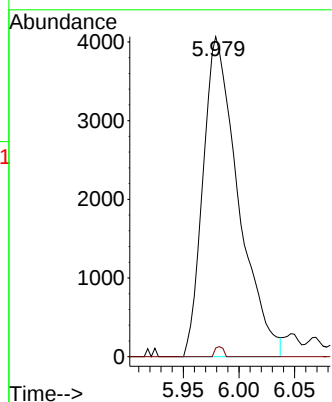
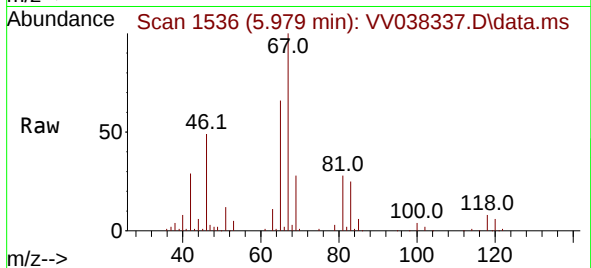




#37
1,2-Dichloropropane
Concen: 0.705 ug/L
RT: 5.979 min Scan# 11
Delta R.T. -0.106 min
Lab File: VV038337.D
Acq: 25 Nov 2024 12:26

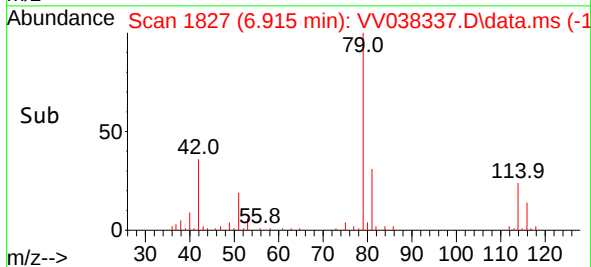
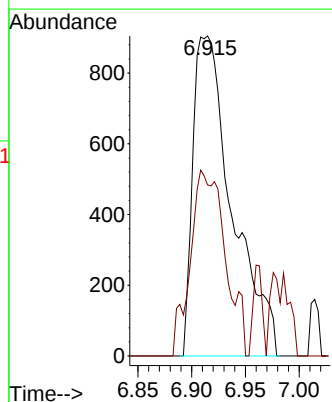
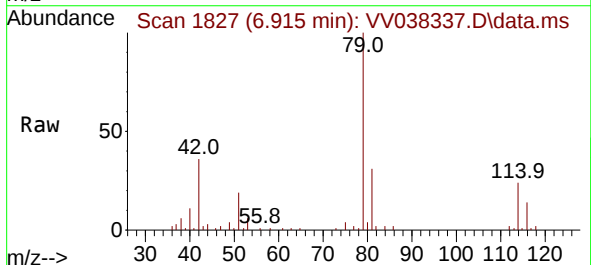
Instrument :
MSVOA_V
ClientSampleId :

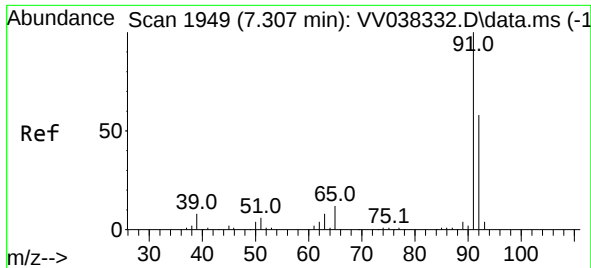
Tgt Ion: 63 Resp: 8942
Ion Ratio Lower Upper
63 100
112 0.7 3.9 5.9#



#39
cis-1,3-Dichloropropene
Concen: 0.130 ug/L
RT: 6.915 min Scan# 1827
Delta R.T. -0.032 min
Lab File: VV038337.D
Acq: 25 Nov 2024 12:26

Tgt Ion: 75 Resp: 2304
Ion Ratio Lower Upper
75 100
77 53.5 23.4 43.6#





#42

Toluene

Concen: 0.199 ug/L

RT: 7.330 min Scan# 1949

Delta R.T. 0.023 min

Lab File: VV038337.D

Acq: 25 Nov 2024 12:26

Instrument :

MSVOA_V

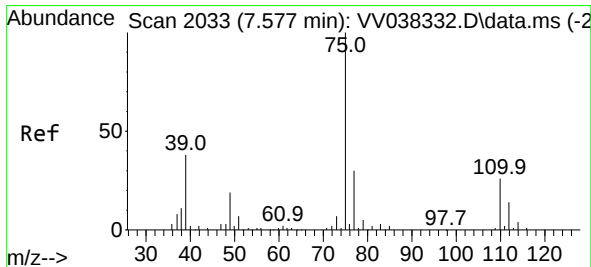
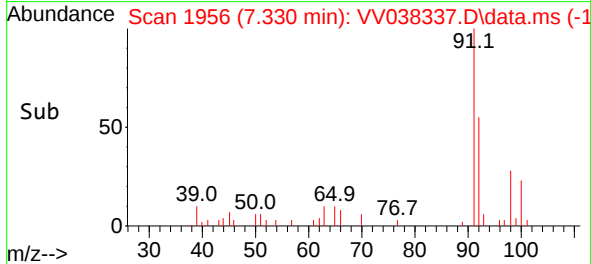
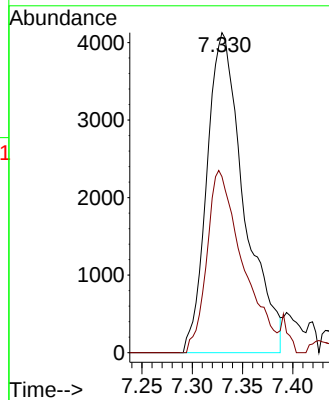
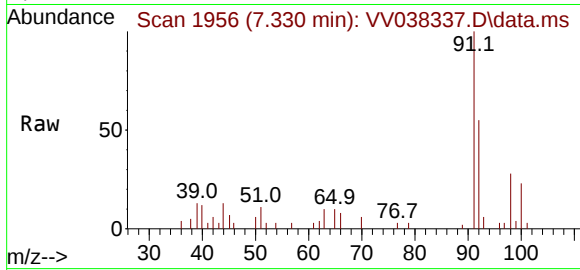
ClientSampleId :

Tgt Ion: 91 Resp: 10651

Ion Ratio Lower Upper

91 100

92 55.0 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.555 min Scan# 2026

Delta R.T. -0.022 min

Lab File: VV038337.D

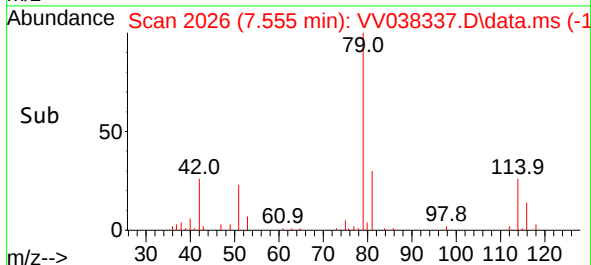
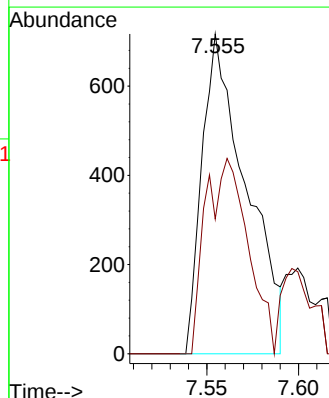
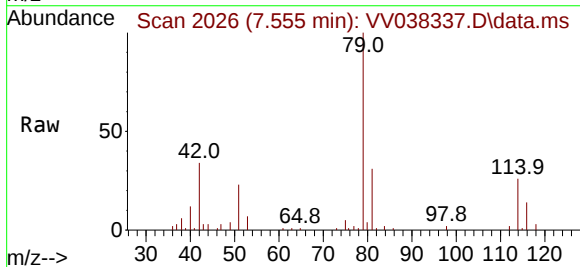
Acq: 25 Nov 2024 12:26

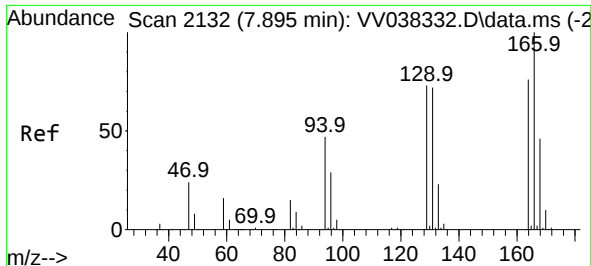
Tgt Ion: 75 Resp: 1202

Ion Ratio Lower Upper

75 100

77 42.1 23.4 43.4





#47

Tetrachloroethene

Concen: 2.147 ug/L

RT: 7.902 min Scan# 2133

Delta R.T. 0.006 min

Lab File: VV038337.D

Acq: 25 Nov 2024 12:26

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:164 Resp: 23824

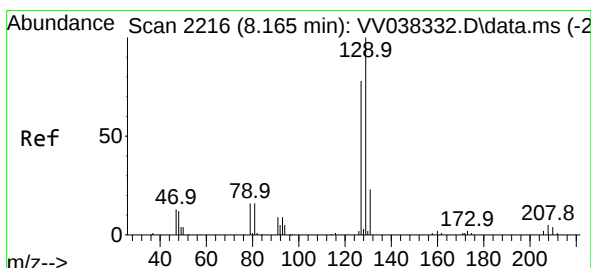
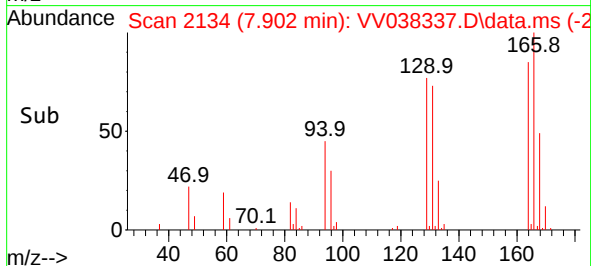
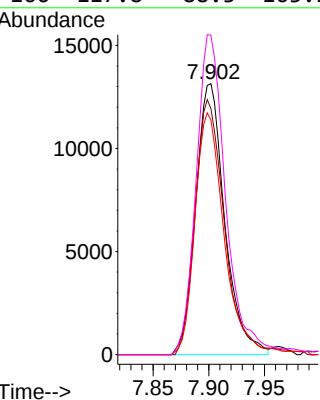
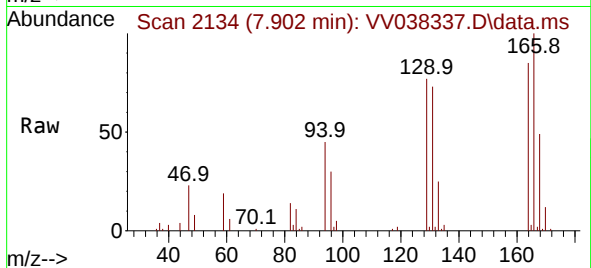
Ion Ratio Lower Upper

164 100

129 90.8 68.5 127.1

131 86.6 64.8 120.4

166 117.8 88.3 163.9



#49

Dibromochloromethane

Concen: 2.047 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.267 min

Lab File: VV038337.D

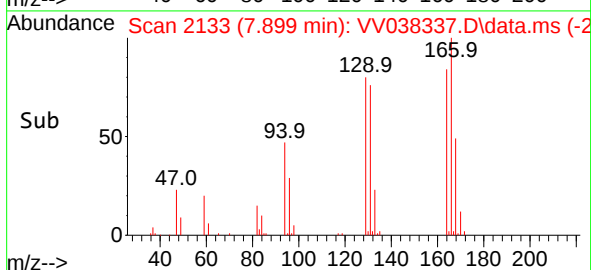
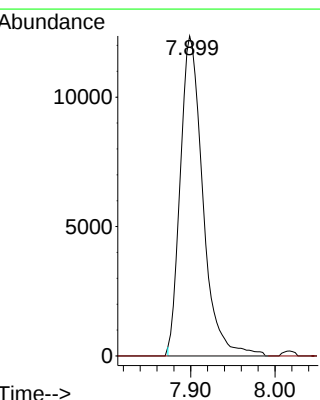
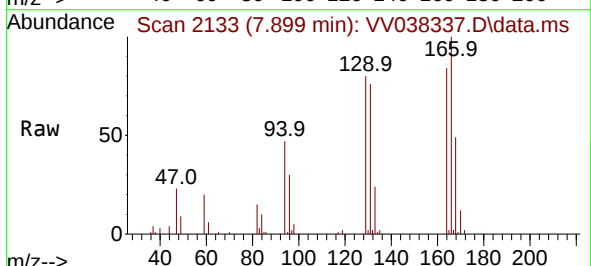
Acq: 25 Nov 2024 12:26

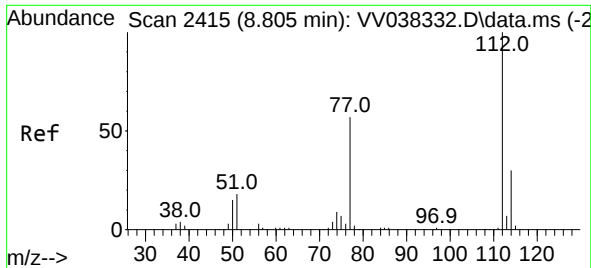
Tgt Ion:129 Resp: 22967

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#

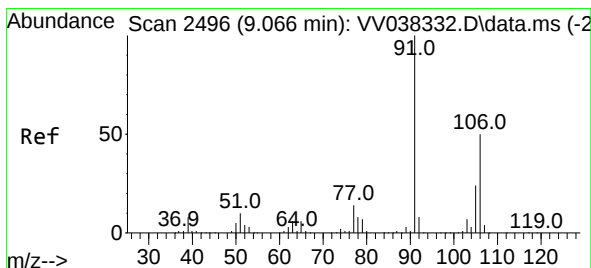
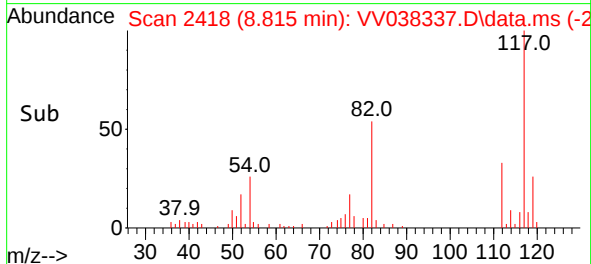
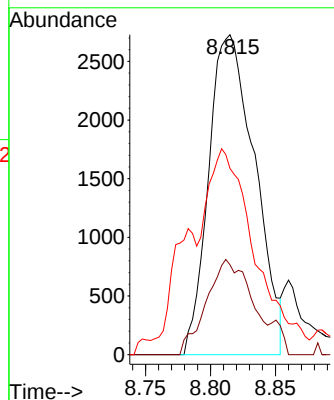
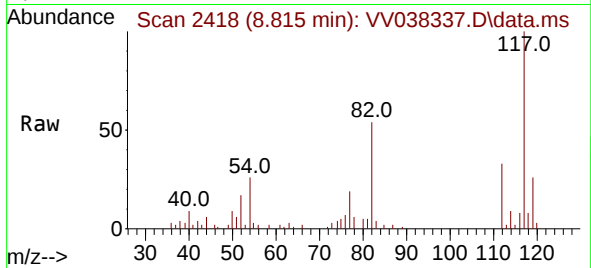




#51
Chlorobenzene
Concen: 0.183 ug/L
RT: 8.815 min Scan# 2415
Delta R.T. 0.010 min
Lab File: VV038337.D
Acq: 25 Nov 2024 12:26

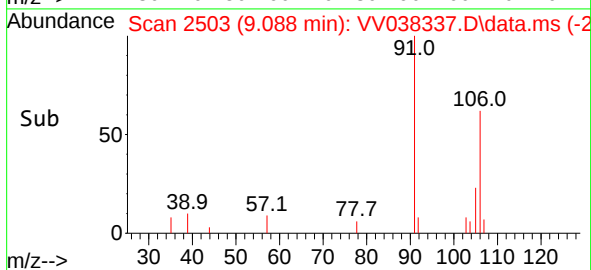
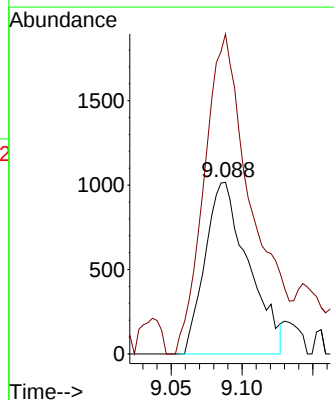
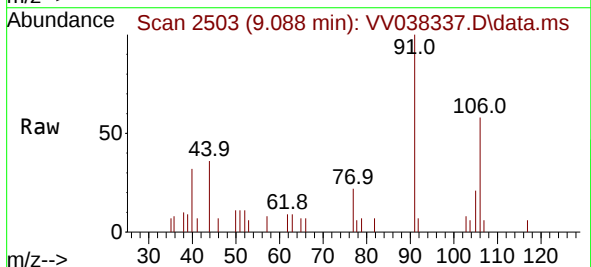
Instrument :
MSVOA_V
ClientSampleId :

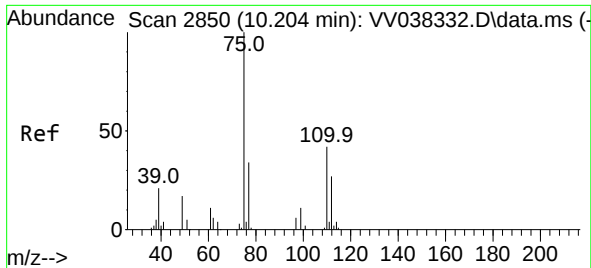
Tgt Ion:112 Resp: 6752
Ion Ratio Lower Upper
112 100
114 28.1 22.0 40.8
77 58.2 45.0 67.4



#53
m,p-Xylene
Concen: 0.100 ug/L
RT: 9.088 min Scan# 2503
Delta R.T. 0.023 min
Lab File: VV038337.D
Acq: 25 Nov 2024 12:26

Tgt Ion:106 Resp: 2153
Ion Ratio Lower Upper
106 100
91 186.3 138.7 257.5





#61

1,2,3-Trichloropropane

Concen: 1.437 ug/L

RT: 11.178 min Scan# 31

Delta R.T. 0.974 min

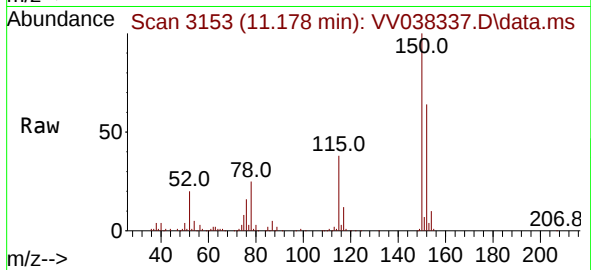
Lab File: VV038337.D

Acq: 25 Nov 2024 12:26

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 9851

Ion Ratio Lower Upper

75 100

77 34.6 26.4 39.6

110 2.9 32.3 48.5#

