

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112124\
 Data File : VV038252.D
 Acq On : 21 Nov 2024 20:26
 Operator : SY/MD
 Sample : P4884-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:52:21 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	261410	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	283589	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	120551	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	69586	3.473	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.400%
7) Chloroethane-d5	1.526	69	69164	4.267	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.400%
11) 1,1-Dichloroethene-d2	2.053	65	32083	3.721	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.400%
20) 2-Butanone-d5	3.786	46	183771	45.848	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.700%
24) Chloroform-d	4.239	84	163001	4.192	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
26) 1,2-Dichloroethane-d4	4.937	65	81759	4.686	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	4.953	84	292402	3.989	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
36) 1,2-Dichloropropane-d6	5.982	67	98257	4.357	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.200%
41) Toluene-d8	7.239	98	228041	3.362	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.200%#
43) trans-1,3-Dichloroprop...	7.558	79	26753	3.191	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.800%
46) 2-Hexanone-d5	8.017	63	158029	48.482	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.960%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	85163	4.448	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.000%
66) 1,2-Dichlorobenzene-d4	11.554	152	105757	5.149	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.000%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	1.709	101	2059548	59.969	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	29579	1.509	ug/L	96
12) 1,1-Dichloroethene	2.063	96	24662	1.321	ug/L #	41
13) Acetone	1.863	43	360044	121.453	ug/L	41
16) Methylene chloride	2.439	84	117757	5.531	ug/L	97
17) Methyl tert-butyl Ether	2.696	73	287791	6.817	ug/L	99
19) 1,1-Dichloroethane	3.104	63	204153	5.718	ug/L	100
22) cis-1,2-Dichloroethene	3.805	96	24226	1.191	ug/L	97
25) Chloroform	4.272	83	13066	0.342	ug/L	96
27) 1,2-Dichloroethane	5.050	62	18851	0.907	ug/L #	94
29) 1,1,1-Trichloroethane	4.503	97	107265	3.154	ug/L	99
31) Carbon tetrachloride	4.503	117	14222	0.474	ug/L	95
34) Trichloroethene	5.828	95	92471	4.258	ug/L	96
35) Methylcyclohexane	5.982	83	23887	0.778	ug/L #	19
42) Toluene	7.316	91	70659	0.838	ug/L	99
47) Tetrachloroethene	7.895	164	162919	9.337	ug/L	98
49) Dibromochloromethane	7.895	129	146914	8.327	ug/L #	11
51) Chlorobenzene	8.812	112	48248	0.830	ug/L	97
52) Ethylbenzene	8.950	91	22776	0.254	ug/L	99

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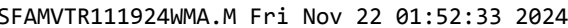
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MSVOA_V
ClientSampleId :

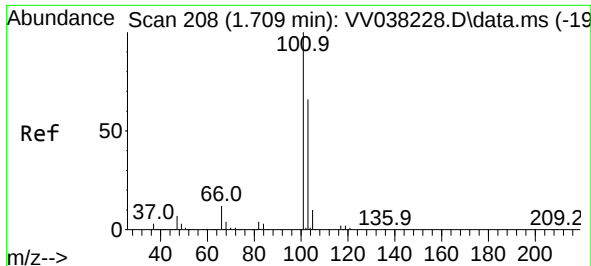
Quant Time: Nov 22 01:52:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 22 01:41:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.072	106	16183	0.479	ug/L	99
54) o-Xylene	9.487	106	3380	0.103	ug/L	87
57) 1,1,2,2-Tetrachloroethane	10.172	83	6509	0.344	ug/L #	92
61) 1,2,3-Trichloropropane	11.178	75	13893	1.346	ug/L #	65
67) 1,2-Dichlorobenzene	11.574	146	16659	0.483	ug/L	94

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

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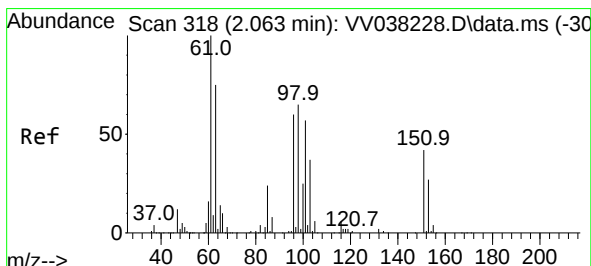
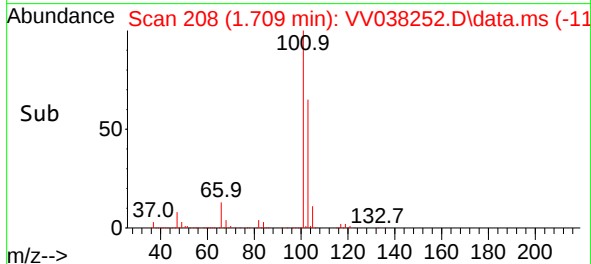
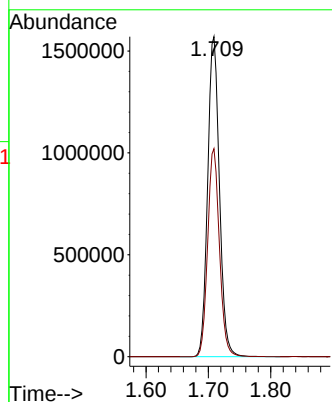
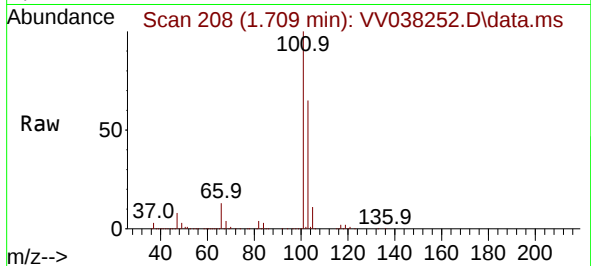




#9
 Trichlorofluoromethane
 Concen: 59.969 ug/L
 RT: 1.709 min Scan# 208
 Delta R.T. -0.000 min
 Lab File: VV038252.D
 Acq: 21 Nov 2024 20:26

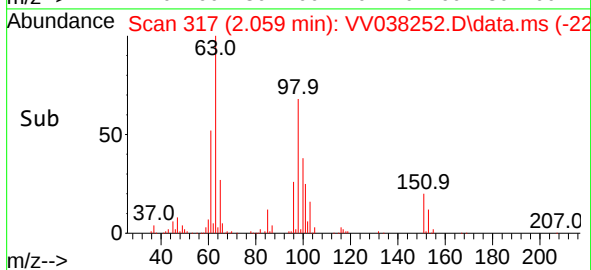
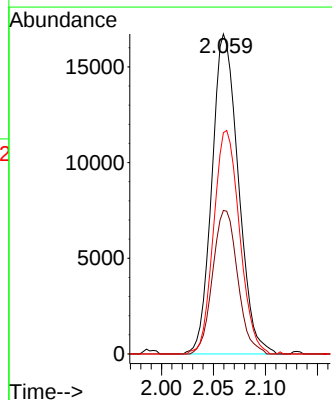
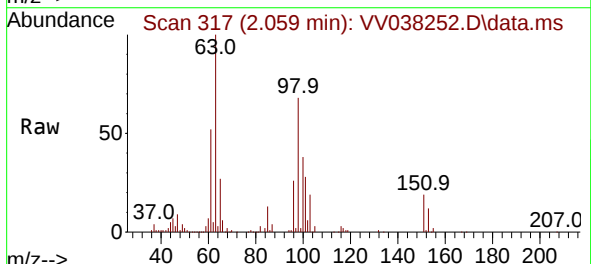
Instrument :
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 ClientSampleId :

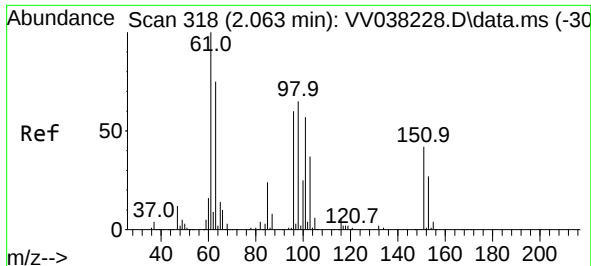
Tgt Ion:101 Resp: 2059548
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.509 ug/L
 RT: 2.059 min Scan# 317
 Delta R.T. -0.003 min
 Lab File: VV038252.D
 Acq: 21 Nov 2024 20:26

Tgt Ion:101 Resp: 29579
 Ion Ratio Lower Upper
 101 100
 85 42.4 33.4 50.0
 151 68.8 58.8 88.2

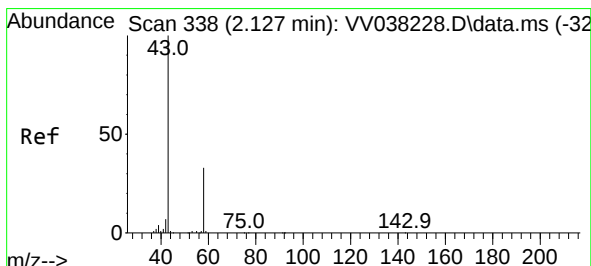
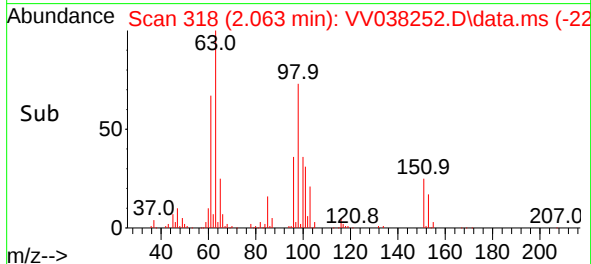
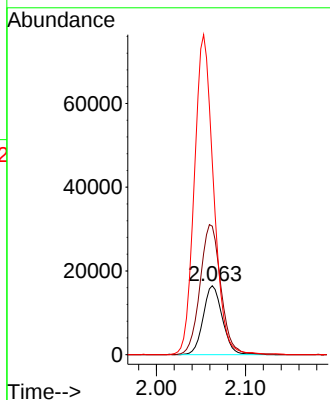
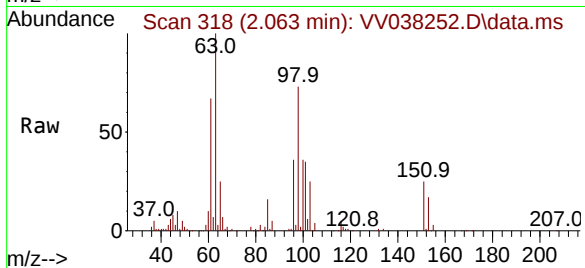




#12
1,1-Dichloroethene
Concen: 1.321 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV038252.D
Acq: 21 Nov 2024 20:26

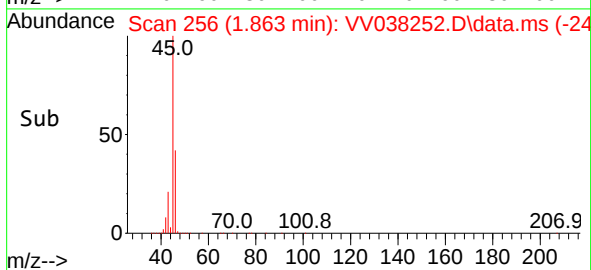
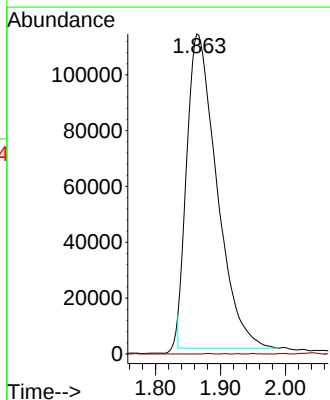
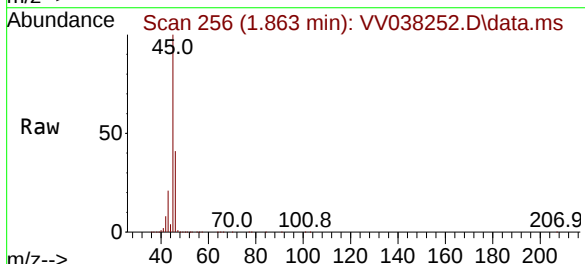
Instrument :
MSVOA_V
ClientSampleId :

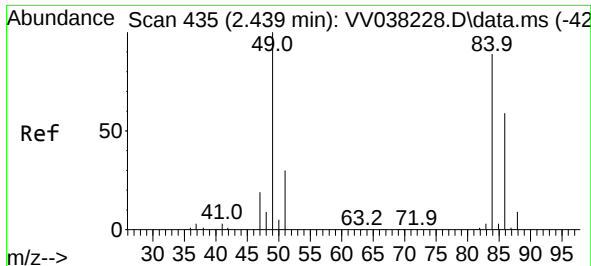
Tgt Ion: 96 Resp: 24662
Ion Ratio Lower Upper
96 100
61 186.5 115.7 214.9
63 279.6 101.1 187.7#



#13
Acetone
Concen: 121.453 ug/L
RT: 1.863 min Scan# 256
Delta R.T. -0.264 min
Lab File: VV038252.D
Acq: 21 Nov 2024 20:26

Tgt Ion: 43 Resp: 360044
Ion Ratio Lower Upper
43 100
58 0.0 0.0 67.2

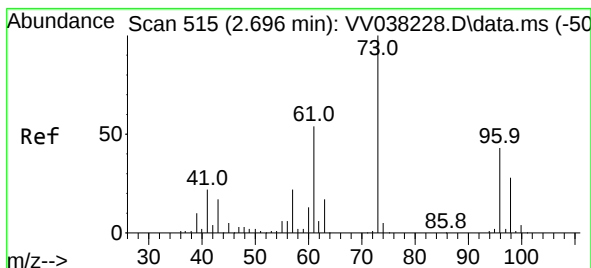
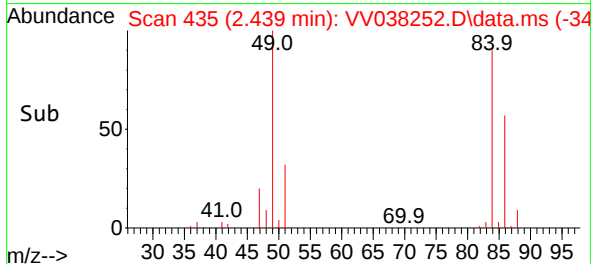
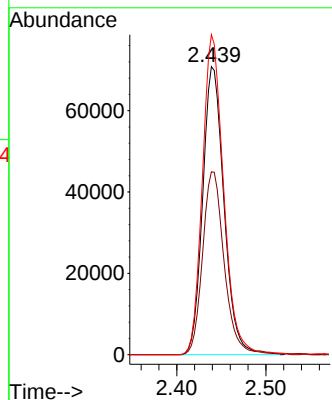
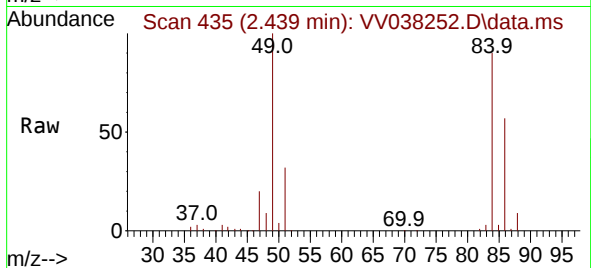




#16
Methylene chloride
Concen: 5.531 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV038252.D
Acq: 21 Nov 2024 20:26

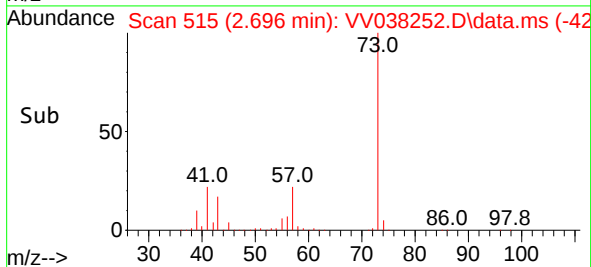
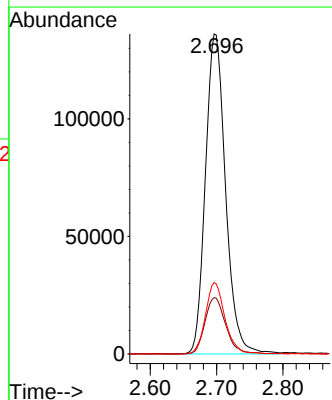
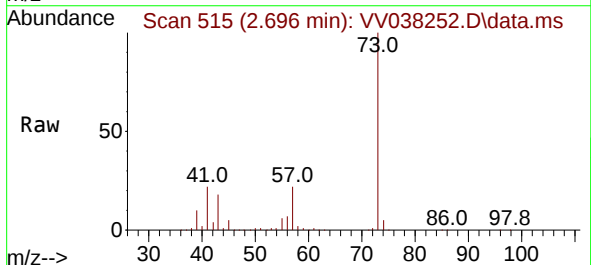
Instrument :
MSVOA_V
ClientSampleId :

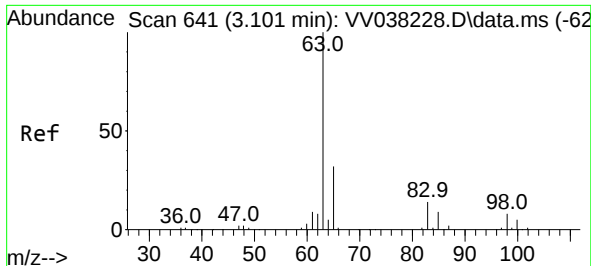
Tgt Ion: 84 Resp: 117757
Ion Ratio Lower Upper
84 100
86 63.5 44.2 82.2
49 111.1 74.9 139.1



#17
Methyl tert-butyl Ether
Concen: 6.817 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV038252.D
Acq: 21 Nov 2024 20:26

Tgt Ion: 73 Resp: 287791
Ion Ratio Lower Upper
73 100
43 18.2 14.2 21.2
57 21.4 17.6 26.4





#19

1,1-Dichloroethane

Concen: 5.718 ug/L

RT: 3.104 min Scan# 641

Delta R.T. 0.003 min

Lab File: VV038252.D

Acq: 21 Nov 2024 20:26

Instrument :

MSVOA_V

ClientSampleId :

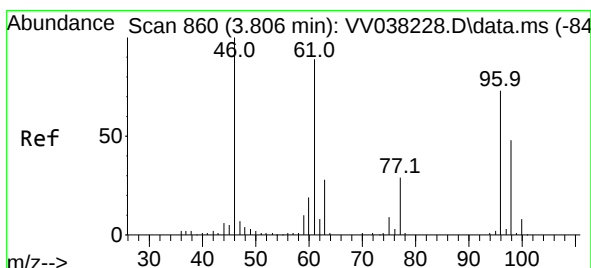
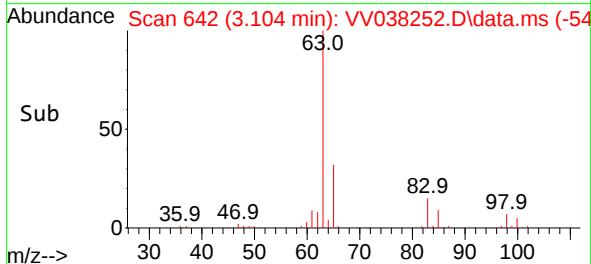
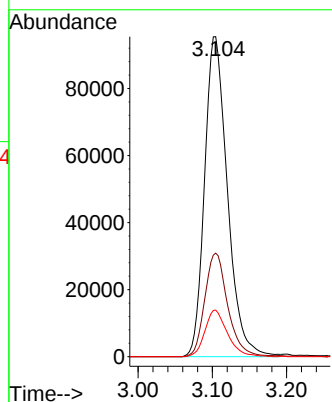
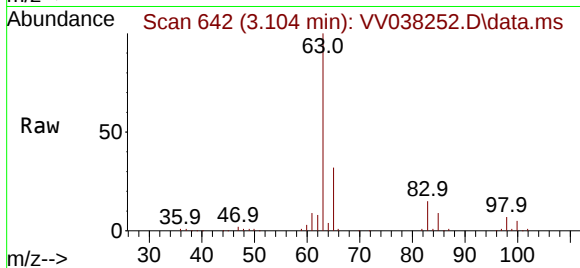
Tgt Ion: 63 Resp: 204153

Ion Ratio Lower Upper

63 100

65 32.4 22.5 41.7

83 14.5 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 1.191 ug/L

RT: 3.805 min Scan# 860

Delta R.T. -0.000 min

Lab File: VV038252.D

Acq: 21 Nov 2024 20:26

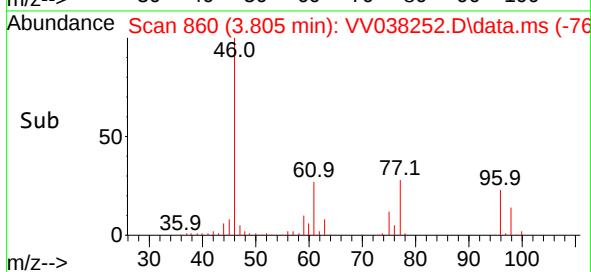
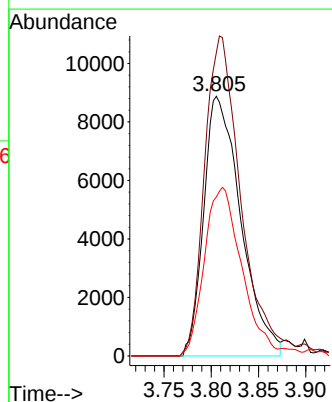
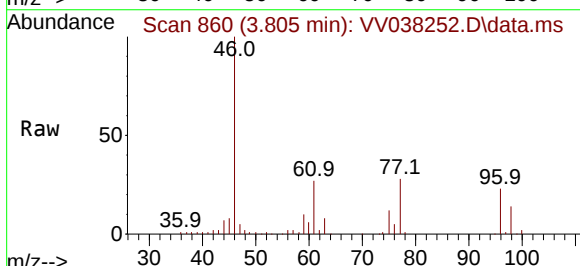
Tgt Ion: 96 Resp: 24226

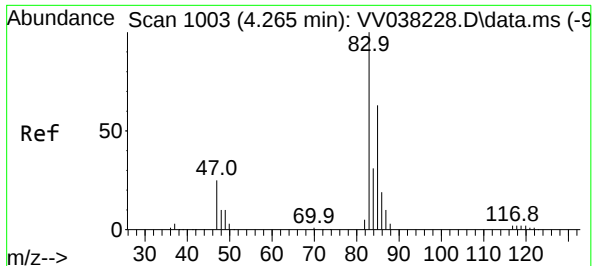
Ion Ratio Lower Upper

96 100

61 116.8 82.7 153.5

98 61.2 46.3 85.9

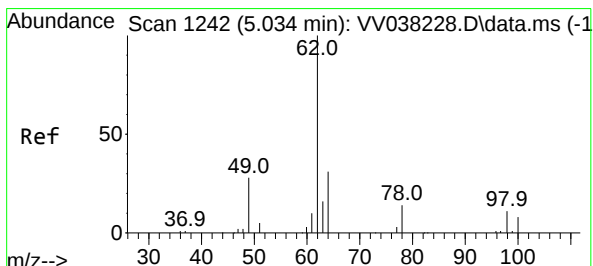
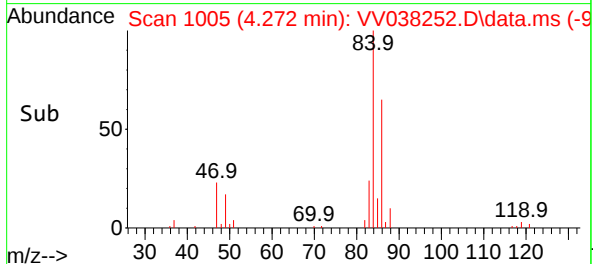
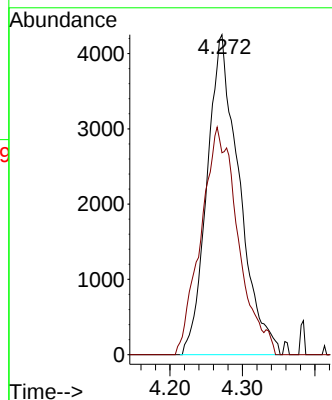
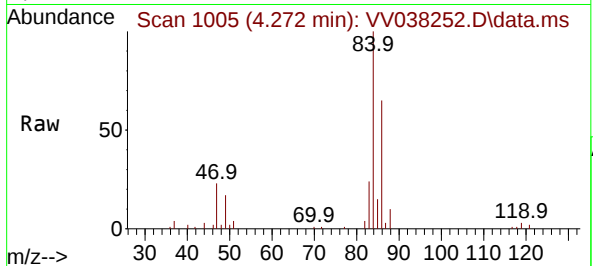




#25
Chloroform
Concen: 0.342 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VV038252.D
Acq: 21 Nov 2024 20:26

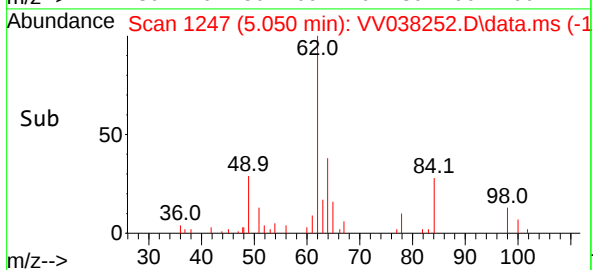
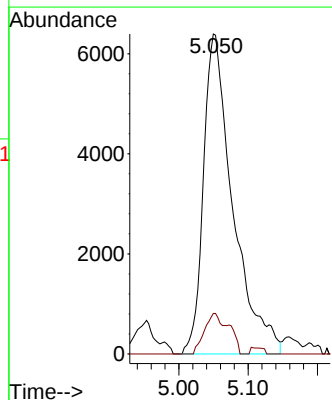
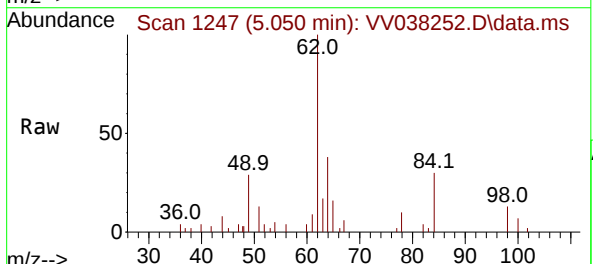
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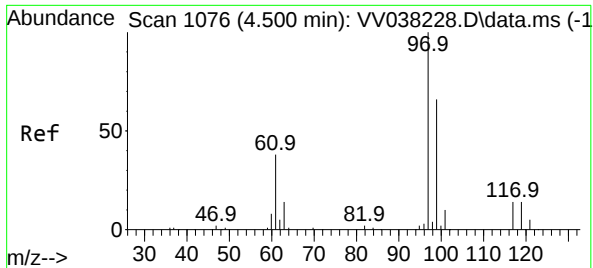
Tgt Ion: 83 Resp: 13066
Ion Ratio Lower Upper
83 100
85 63.1 46.5 86.3



#27
1,2-Dichloroethane
Concen: 0.907 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.016 min
Lab File: VV038252.D
Acq: 21 Nov 2024 20:26

Tgt Ion: 62 Resp: 18851
Ion Ratio Lower Upper
62 100
98 12.7 8.2 12.4#

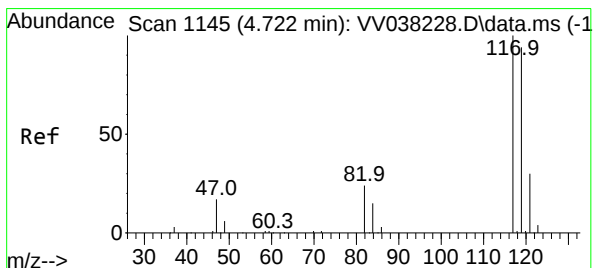
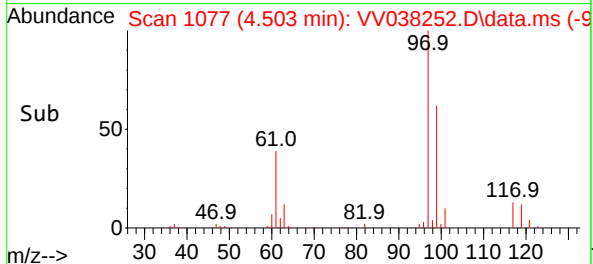
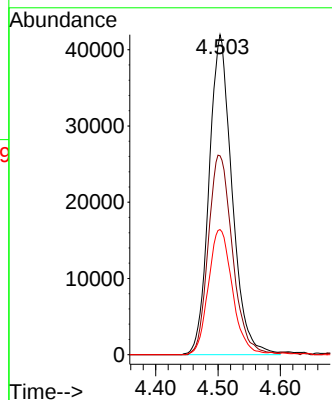
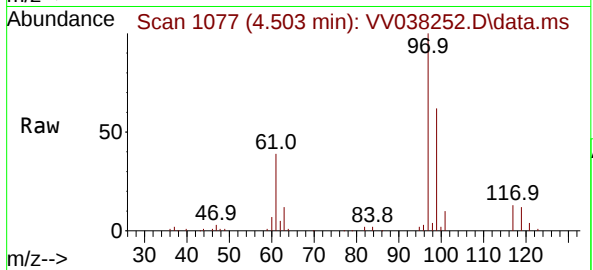




#29
1,1,1-Trichloroethane
Concen: 3.154 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. 0.003 min
Lab File: VV038252.D
Acq: 21 Nov 2024 20:26

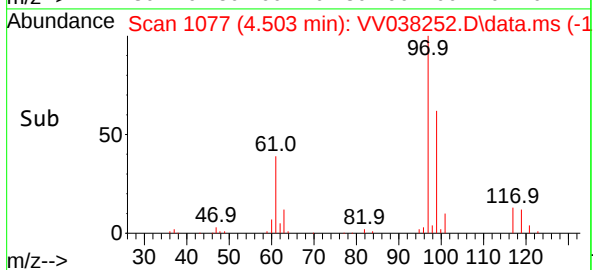
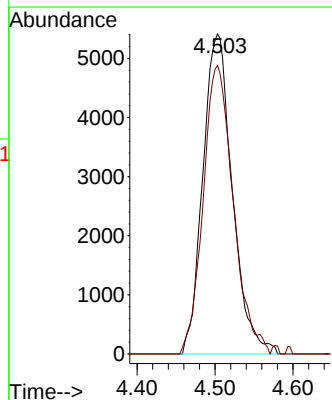
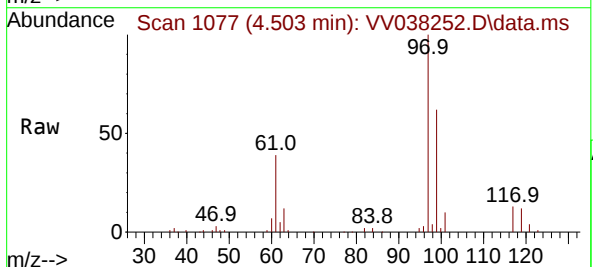
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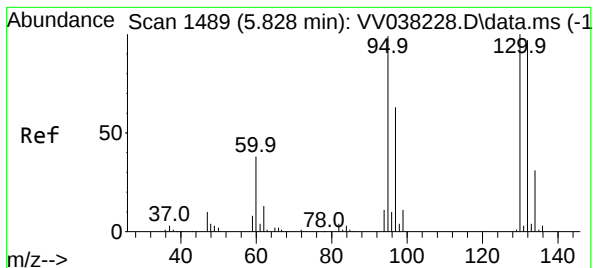
Tgt Ion: 97 Resp: 107265
Ion Ratio Lower Upper
97 100
99 65.6 51.8 77.8
61 40.9 32.2 48.2



#31
Carbon tetrachloride
Concen: 0.474 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. -0.219 min
Lab File: VV038252.D
Acq: 21 Nov 2024 20:26

Tgt Ion: 117 Resp: 14222
Ion Ratio Lower Upper
117 100
119 92.2 77.4 116.2





#34

Trichloroethene

Concen: 4.258 ug/L

RT: 5.828 min Scan# 14

Delta R.T. -0.000 min

Lab File: VV038252.D

Acq: 21 Nov 2024 20:26

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 92471

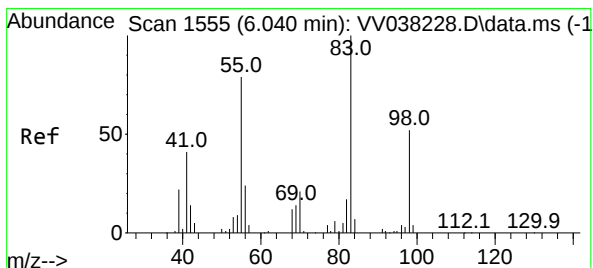
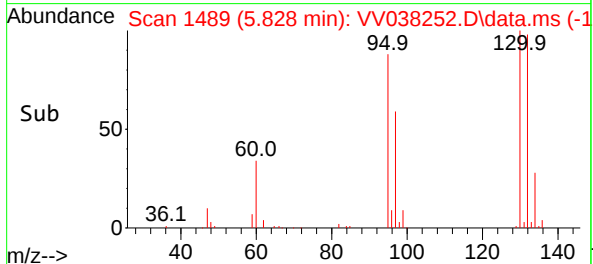
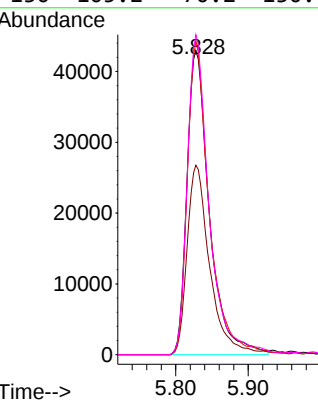
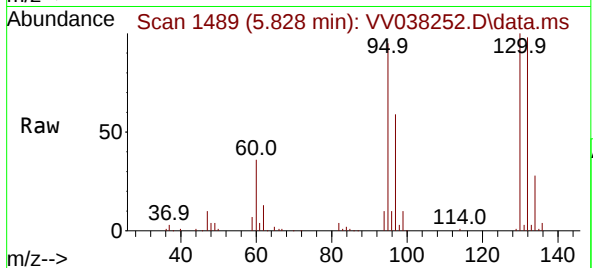
Ion Ratio Lower Upper

95 100

97 62.3 44.8 83.2

132 103.0 68.3 126.8

130 105.2 70.2 130.4



#35

Methylcyclohexane

Concen: 0.778 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038252.D

Acq: 21 Nov 2024 20:26

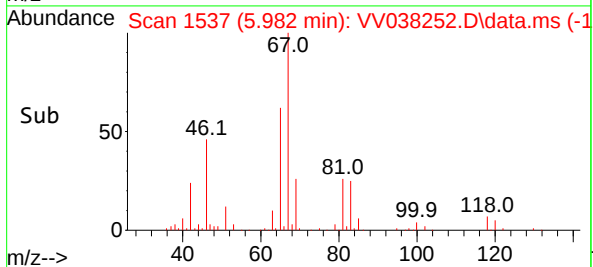
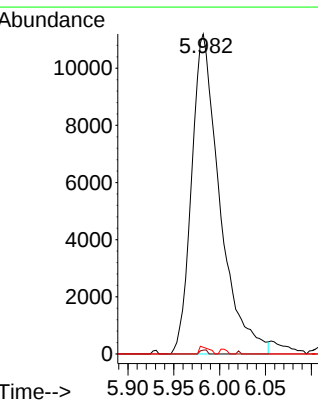
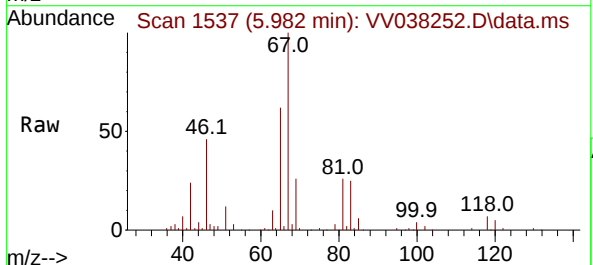
Tgt Ion: 83 Resp: 23887

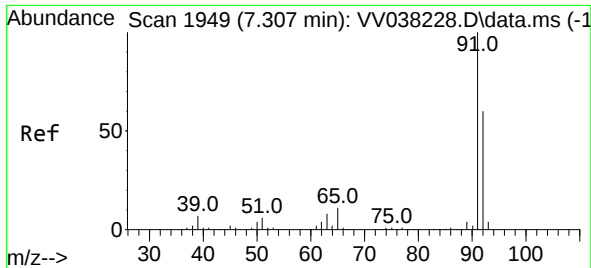
Ion Ratio Lower Upper

83 100

55 0.3 59.7 89.5#

98 0.8 39.0 58.4#





#42

Toluene

Concen: 0.838 ug/L

RT: 7.316 min Scan# 1949

Delta R.T. 0.009 min

Lab File: VV038252.D

Acq: 21 Nov 2024 20:26

Instrument :

MSVOA_V

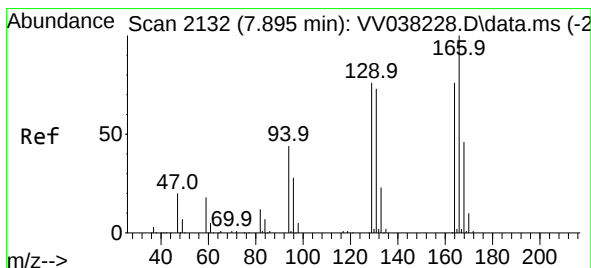
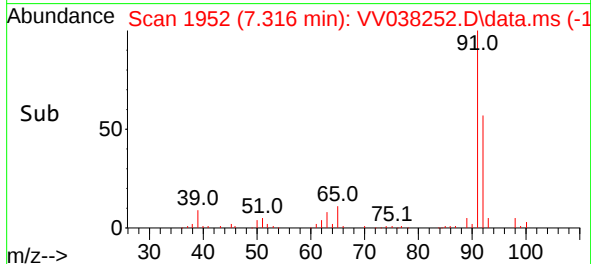
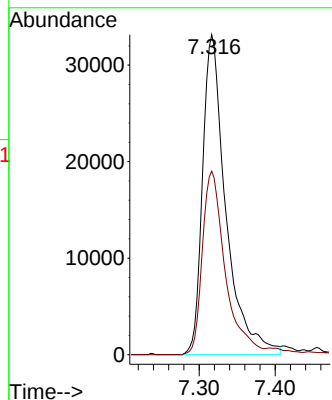
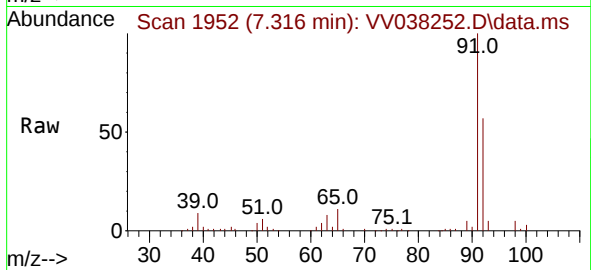
ClientSampleId :

Tgt Ion: 91 Resp: 70659

Ion Ratio Lower Upper

91 100

92 57.4 40.8 75.8



#47

Tetrachloroethene

Concen: 9.337 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.000 min

Lab File: VV038252.D

Acq: 21 Nov 2024 20:26

Tgt Ion: 164 Resp: 162919

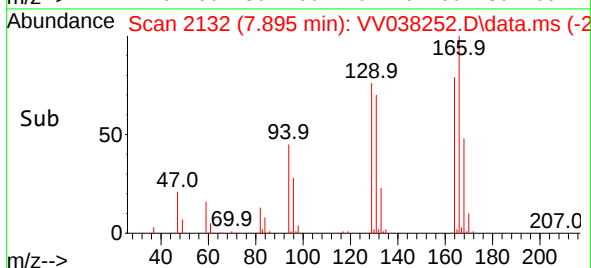
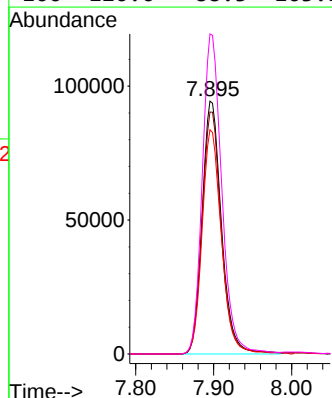
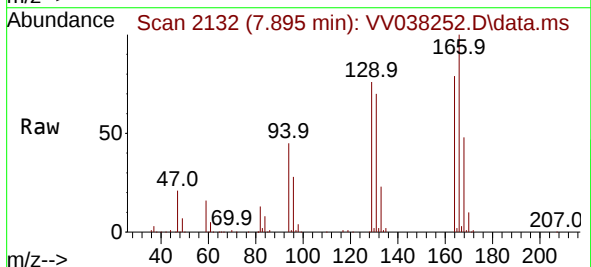
Ion Ratio Lower Upper

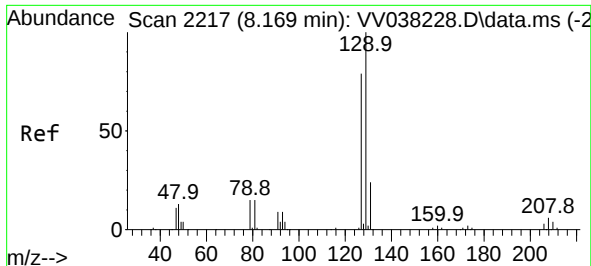
164 100

129 95.7 68.5 127.1

131 88.6 64.8 120.4

166 126.6 88.3 163.9

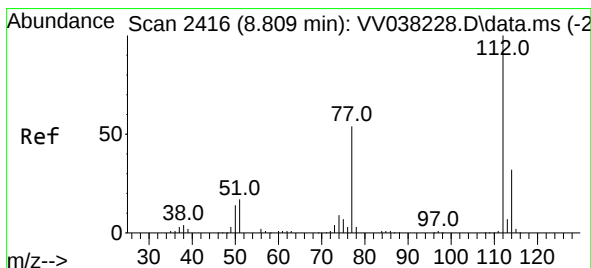
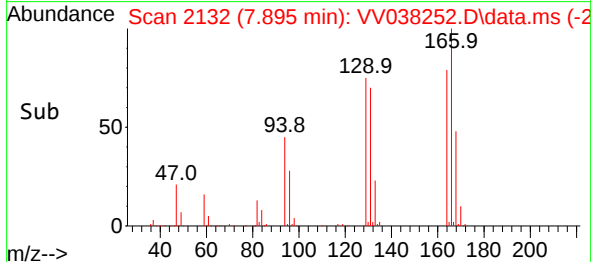
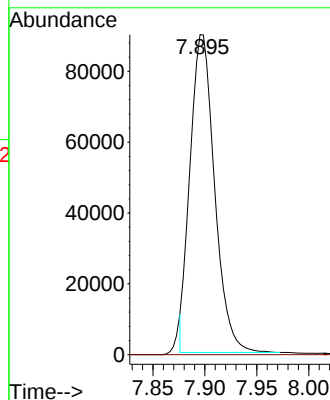
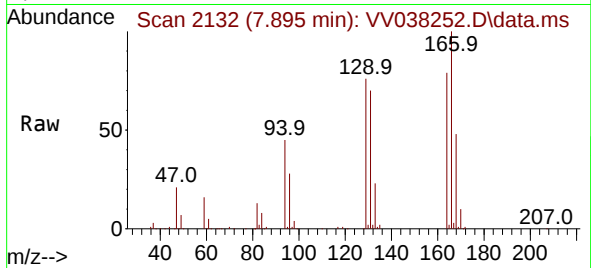




#49
Dibromochloromethane
Concen: 8.327 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.273 min
Lab File: VV038252.D
Acq: 21 Nov 2024 20:26

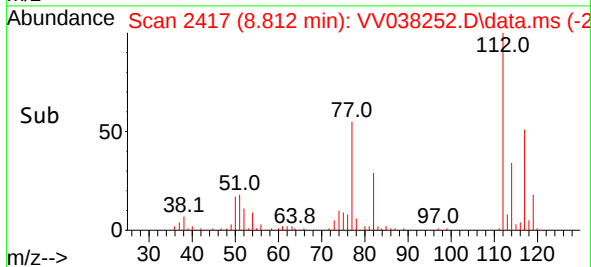
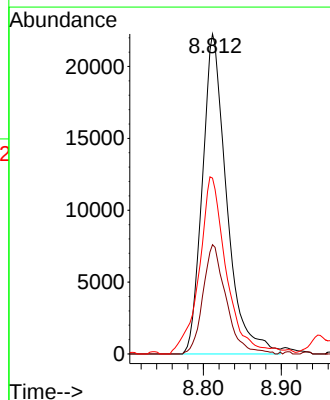
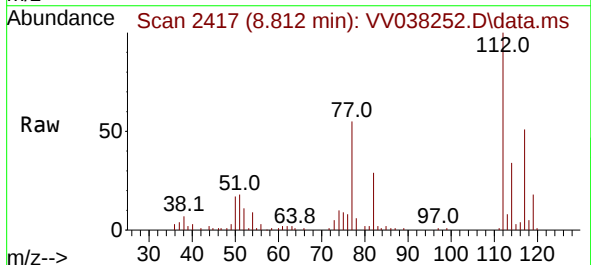
Instrument :
MSVOA_V
ClientSampleId :

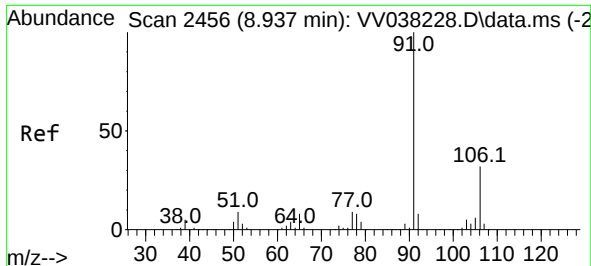
Tgt Ion:129 Resp: 146914
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#



#51
Chlorobenzene
Concen: 0.830 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV038252.D
Acq: 21 Nov 2024 20:26

Tgt Ion:112 Resp: 48248
Ion Ratio Lower Upper
112 100
114 34.1 22.0 40.8
77 54.9 45.0 67.4

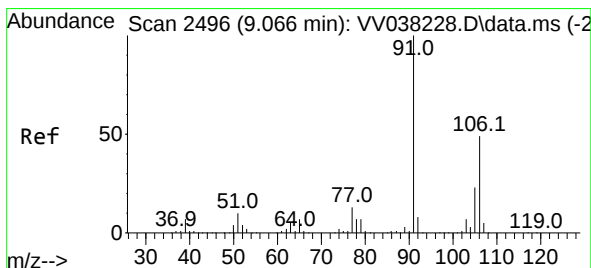
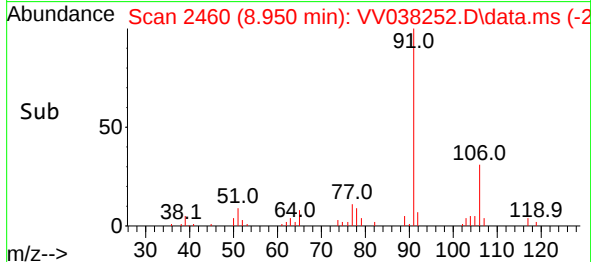
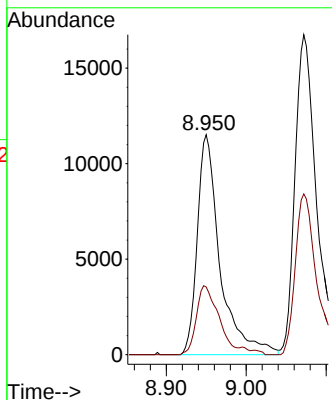
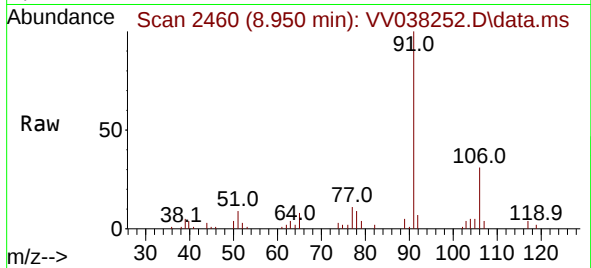




#52
Ethylbenzene
Concen: 0.254 ug/L
RT: 8.950 min Scan# 2456
Delta R.T. 0.013 min
Lab File: VV038252.D
Acq: 21 Nov 2024 20:26

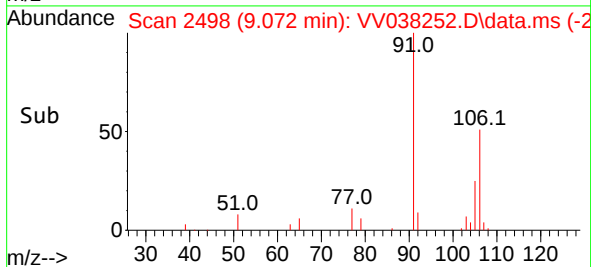
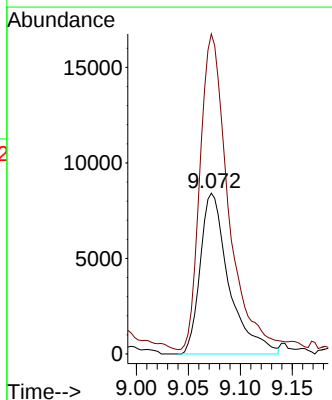
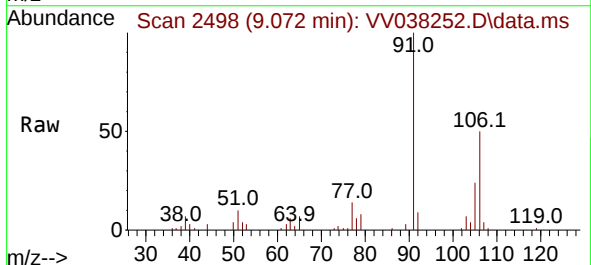
Instrument :
MSVOA_V
ClientSampleId :

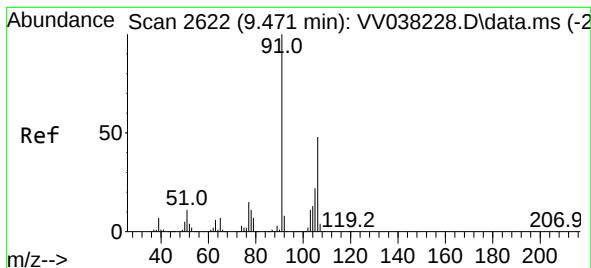
Tgt Ion: 91 Resp: 22776
Ion Ratio Lower Upper
91 100
106 30.8 21.8 40.4



#53
m,p-Xylene
Concen: 0.479 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.006 min
Lab File: VV038252.D
Acq: 21 Nov 2024 20:26

Tgt Ion: 106 Resp: 16183
Ion Ratio Lower Upper
106 100
91 198.9 138.7 257.5





#54

o-Xylene

Concen: 0.103 ug/L

RT: 9.487 min Scan# 2

Delta R.T. 0.016 min

Lab File: VV038252.D

Acq: 21 Nov 2024 20:26

Instrument :

MSVOA_V

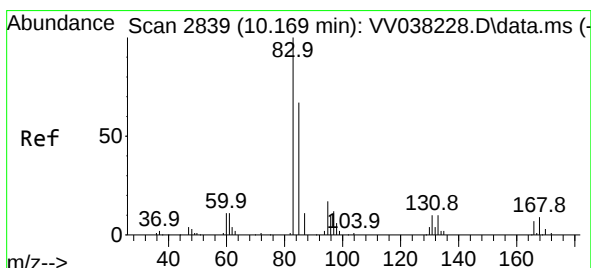
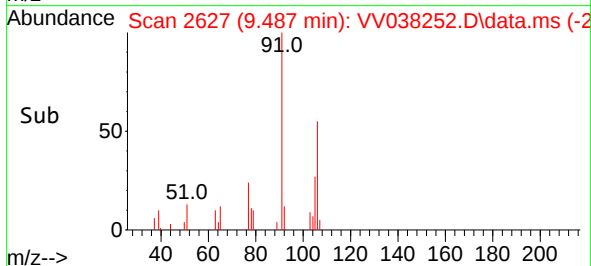
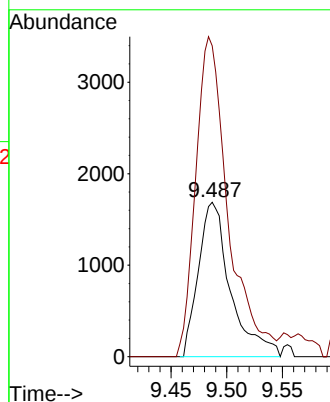
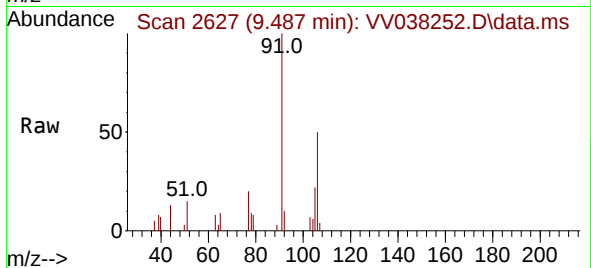
ClientSampleId :

Tgt Ion:106 Resp: 3380

Ion Ratio Lower Upper

106 100

91 201.3 155.5 288.7



#57

1,1,2,2-Tetrachloroethane

Concen: 0.344 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. 0.003 min

Lab File: VV038252.D

Acq: 21 Nov 2024 20:26

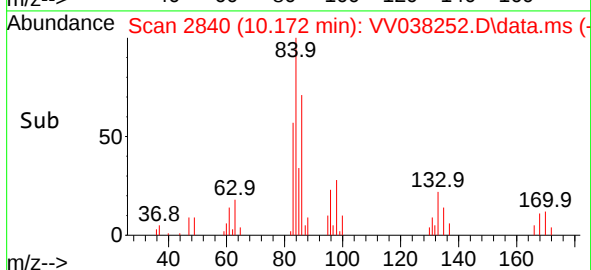
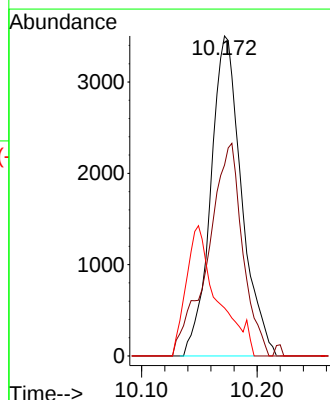
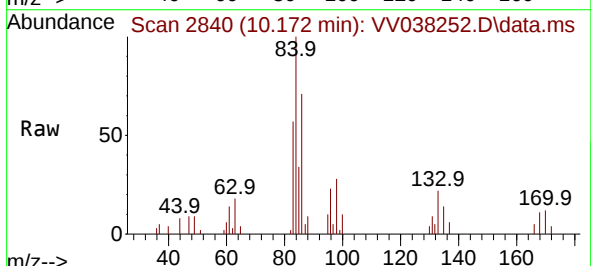
Tgt Ion: 83 Resp: 6509

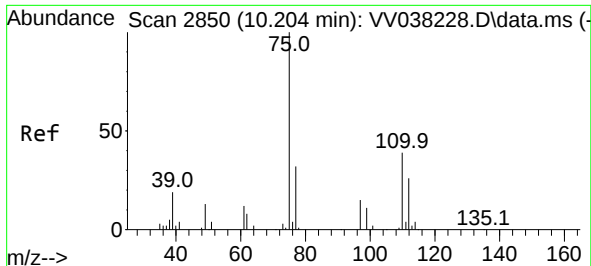
Ion Ratio Lower Upper

83 100

85 59.6 45.7 84.9

131 15.0 8.2 12.4#

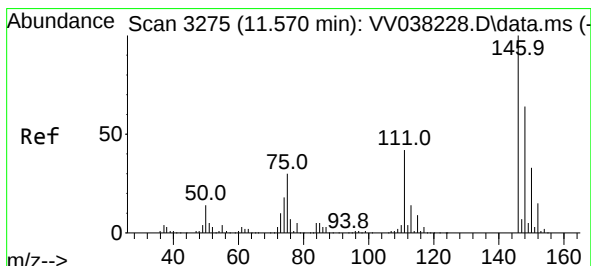
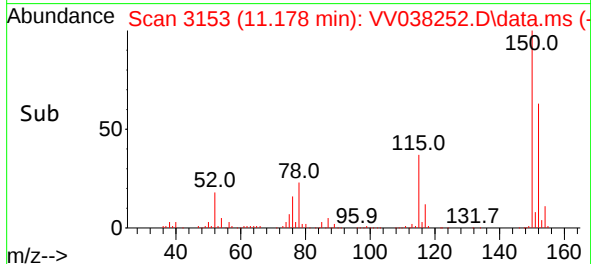
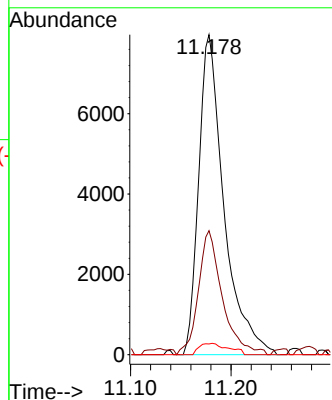
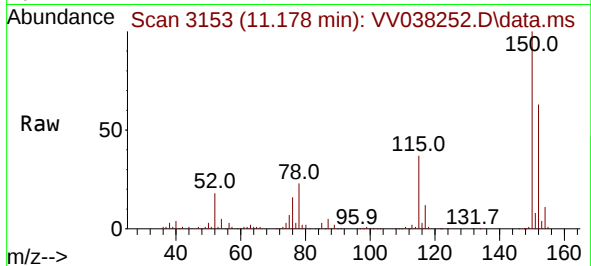




#61
 1,2,3-Trichloropropane
 Concen: 1.346 ug/L
 RT: 11.178 min Scan# 3153
 Delta R.T. 0.974 min
 Lab File: VV038252.D
 Acq: 21 Nov 2024 20:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 75 Resp: 13893
 Ion Ratio Lower Upper
 75 100
 77 36.7 26.4 39.6
 110 4.1 32.3 48.5#



#67
 1,2-Dichlorobenzene
 Concen: 0.483 ug/L
 RT: 11.574 min Scan# 3276
 Delta R.T. 0.003 min
 Lab File: VV038252.D
 Acq: 21 Nov 2024 20:26

Tgt Ion:146 Resp: 16659
 Ion Ratio Lower Upper
 146 100
 111 45.7 34.2 51.2
 148 68.6 51.0 76.4

