

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112024\
 Data File : VV038220.D
 Acq On : 20 Nov 2024 17:10
 Operator : SY/MD
 Sample : P4883-07
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 01:51:47 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	245321	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	264534	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	117647	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	76167	4.051	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.000%
7) Chloroethane-d5	1.529	69	72045	4.737	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	2.053	65	35548	4.393	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.800%
20) 2-Butanone-d5	3.796	46	197286	52.448	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.900%
24) Chloroform-d	4.243	84	176437	4.835	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	4.937	65	86373	5.275	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
32) Benzene-d6	4.953	84	309037	4.520	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	5.982	67	106436	5.059	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.200%
41) Toluene-d8	7.240	98	253534	4.008	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
43) trans-1,3-Dichloroprop...	7.558	79	35960	4.597	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.021	63	175556	57.739	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.480%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	88417	4.951	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	11.554	152	106137	5.295	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.800%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	10333	0.562	ug/L	99
13) Acetone	1.950	43	146317	52.594	ug/L	41
16) Methylene chloride	2.442	84	24943	1.248	ug/L	94
17) Methyl tert-butyl Ether	2.700	73	3656	0.092	ug/L #	86
22) cis-1,2-Dichloroethene	3.809	96	15998	0.838	ug/L	95
27) 1,2-Dichloroethane	5.076	62	2993	0.153	ug/L #	72
29) 1,1,1-Trichloroethane	4.507	97	63239	1.993	ug/L	99
34) Trichloroethene	5.822	95	394993	19.500	ug/L	98
35) Methylcyclohexane	5.982	83	25932	0.905	ug/L #	19
37) 1,2-Dichloropropane	5.982	63	10952	0.588	ug/L #	86
42) Toluene	7.320	91	33088	0.420	ug/L	99
44) trans-1,3-Dichloropropene	7.555	75	1778	0.081	ug/L	97
47) Tetrachloroethene	7.899	164	131093	8.054	ug/L	98
48) 2-Hexanone	8.021	43	18953	2.683	ug/L #	70
49) Dibromochloromethane	7.899	129	120988	7.352	ug/L #	11
51) Chlorobenzene	8.815	112	17628	0.325	ug/L	96
52) Ethylbenzene	8.953	91	11589	0.139	ug/L	99
53) m,p-Xylene	9.079	106	7768	0.247	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.169	83	2669	0.151	ug/L #	89

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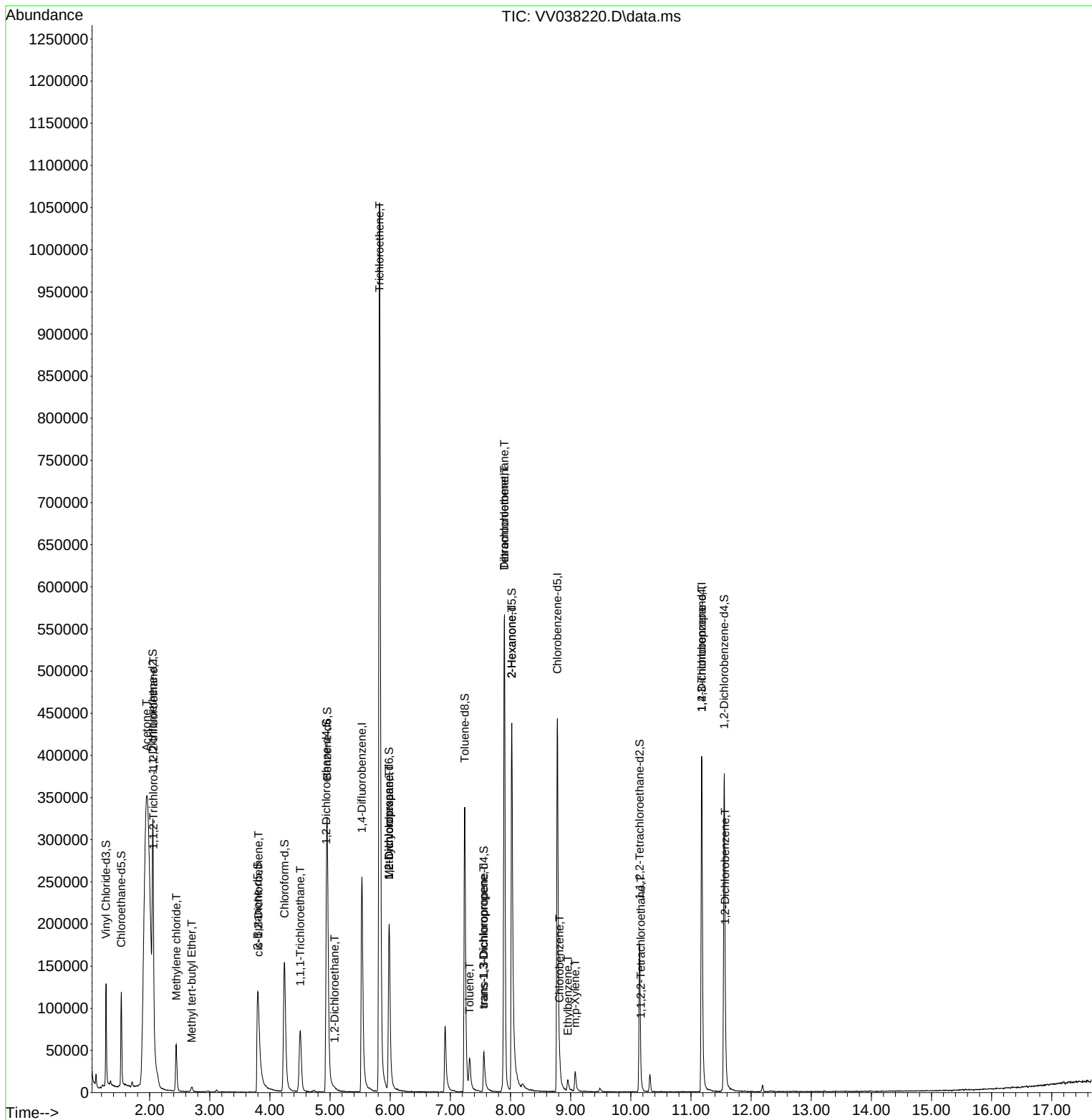
Instrument :
MSVOA_V
ClientSampleId :

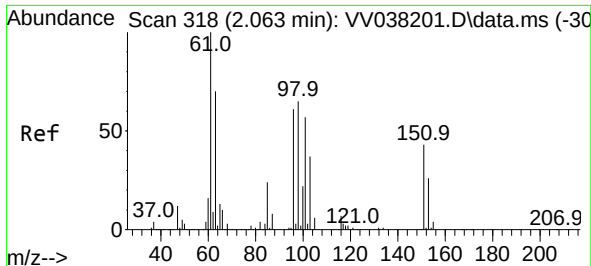
Quant Time: Nov 21 01:51:47 2024
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 21 01:41:56 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.178	75	13613	1.352	ug/L	# 66
67) 1,2-Dichlorobenzene	11.571	146	8122	0.241	ug/L	91

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

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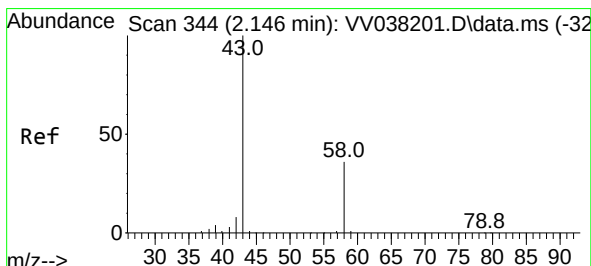
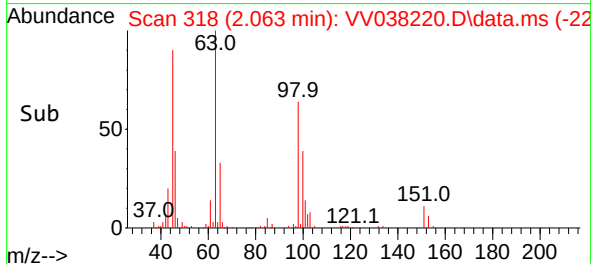
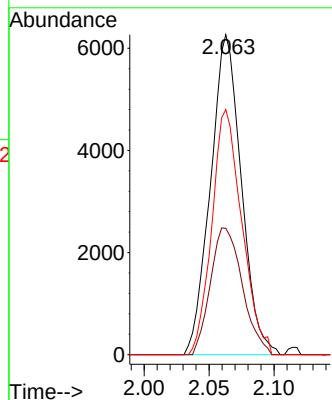
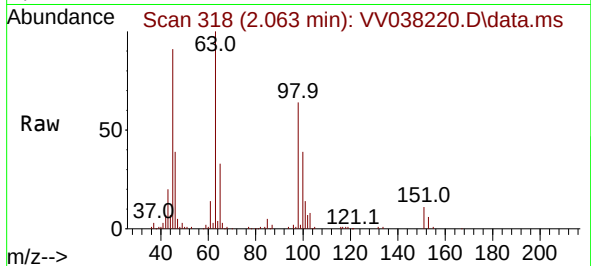




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.562 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. 0.000 min
 Lab File: VV038220.D
 Acq: 20 Nov 2024 17:10

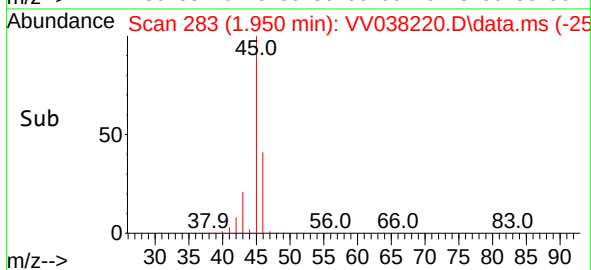
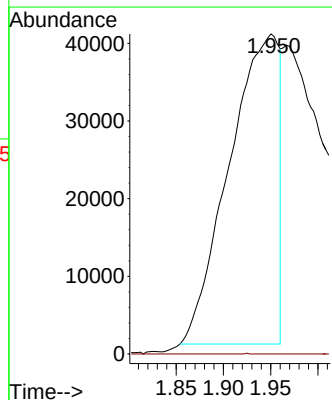
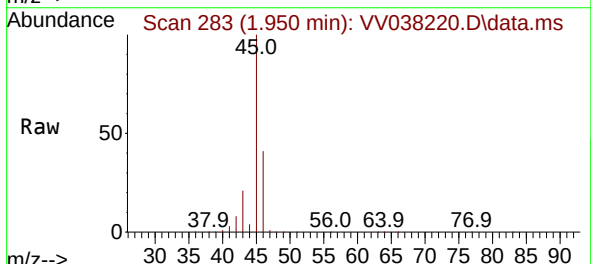
Instrument :
 MSVOA_V
 ClientSampleId :

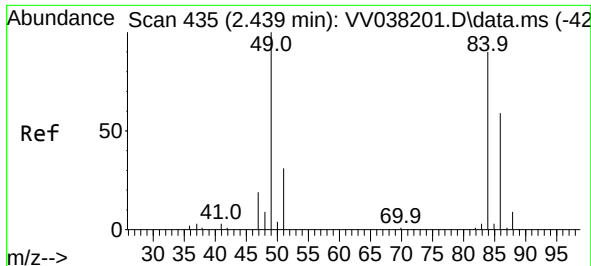
Tgt Ion:101 Resp: 10333
 Ion Ratio Lower Upper
 101 100
 85 41.0 33.4 50.0
 151 74.3 58.8 88.2



#13
 Acetone
 Concen: 52.594 ug/L
 RT: 1.950 min Scan# 283
 Delta R.T. -0.196 min
 Lab File: VV038220.D
 Acq: 20 Nov 2024 17:10

Tgt Ion: 43 Resp: 146317
 Ion Ratio Lower Upper
 43 100
 58 0.0 0.0 67.2

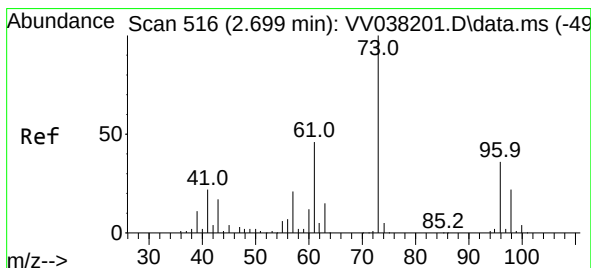
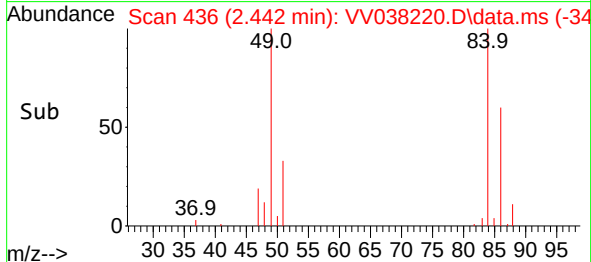
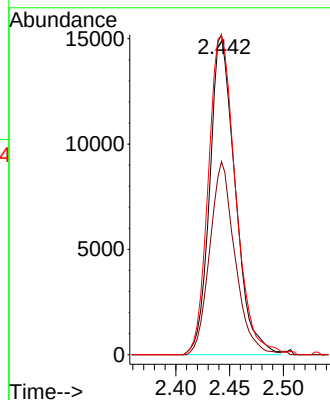
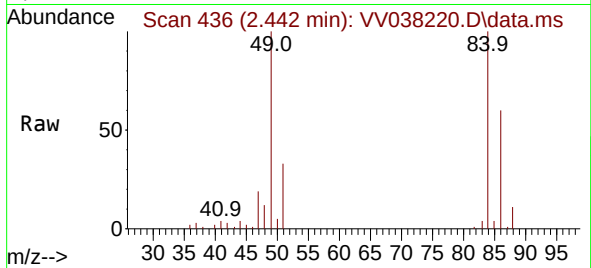




#16
Methylene chloride
Concen: 1.248 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV038220.D
Acq: 20 Nov 2024 17:10

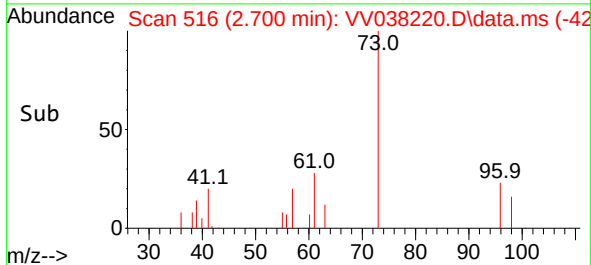
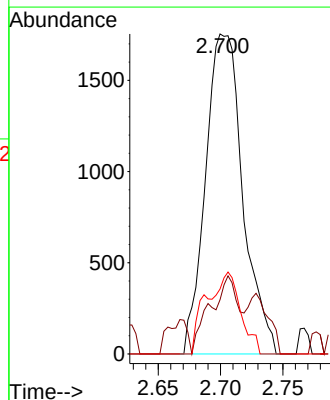
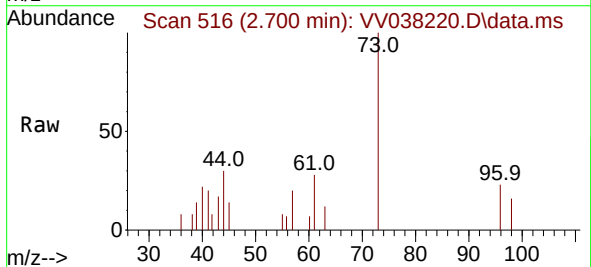
Instrument :
MSVOA_V
ClientSampleId :

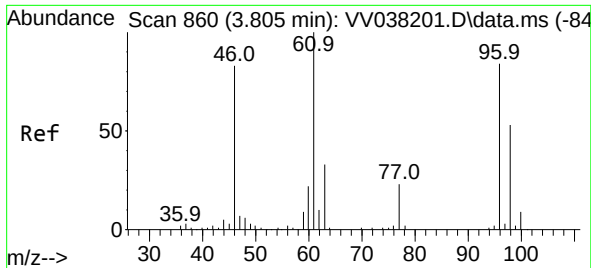
Tgt Ion: 84 Resp: 24943
Ion Ratio Lower Upper
84 100
86 60.3 44.2 82.2
49 99.8 74.9 139.1



#17
Methyl tert-butyl Ether
Concen: 0.092 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV038220.D
Acq: 20 Nov 2024 17:10

Tgt Ion: 73 Resp: 3656
Ion Ratio Lower Upper
73 100
43 11.2 14.2 21.2#
57 15.9 17.6 26.4#





#22

cis-1,2-Dichloroethene

Concen: 0.838 ug/L

RT: 3.809 min Scan# 80

Delta R.T. 0.003 min

Lab File: VV038220.D

Acq: 20 Nov 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

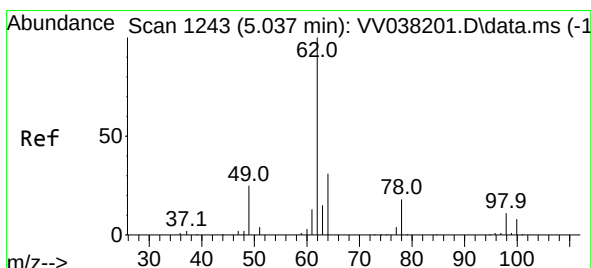
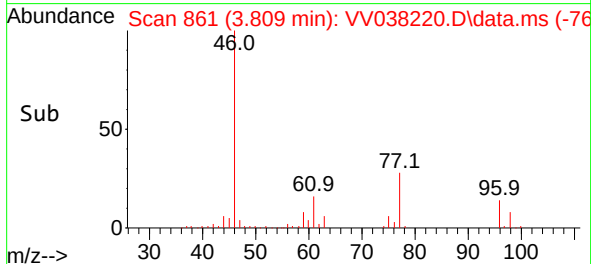
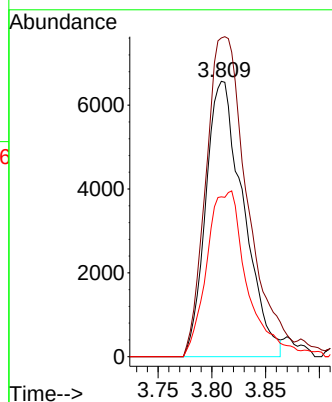
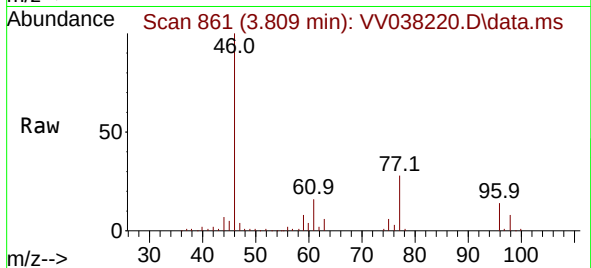
Tgt Ion: 96 Resp: 15998

Ion Ratio Lower Upper

96 100

61 115.8 82.7 153.5

98 58.1 46.3 85.9



#27

1,2-Dichloroethane

Concen: 0.153 ug/L

RT: 5.076 min Scan# 1255

Delta R.T. 0.039 min

Lab File: VV038220.D

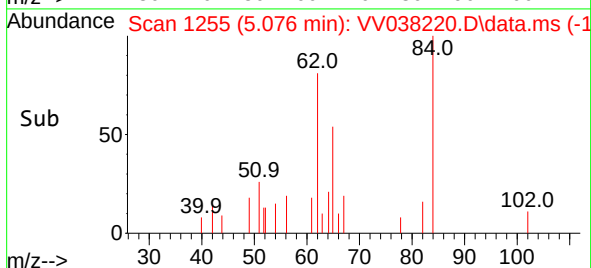
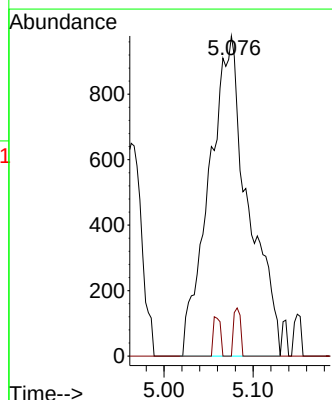
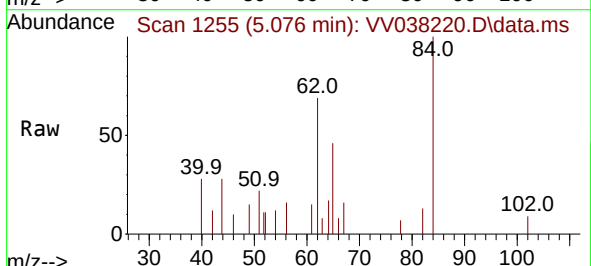
Acq: 20 Nov 2024 17:10

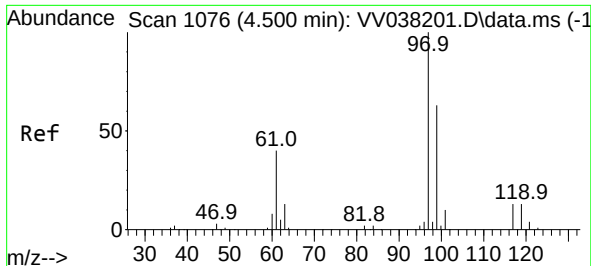
Tgt Ion: 62 Resp: 2993

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

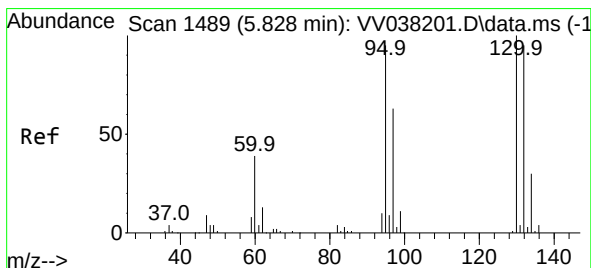
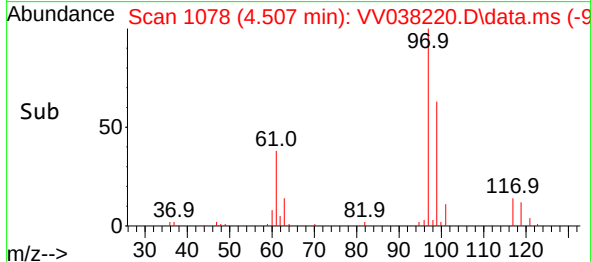
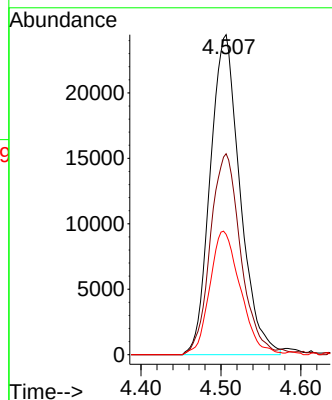
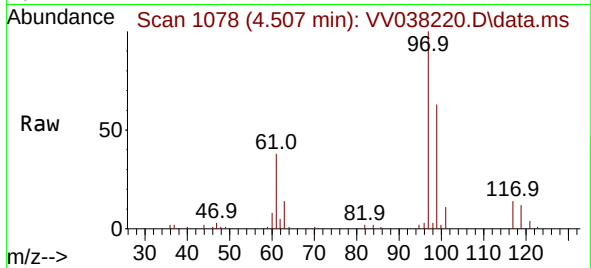




#29
1,1,1-Trichloroethane
Concen: 1.993 ug/L
RT: 4.507 min Scan# 1076
Delta R.T. 0.007 min
Lab File: VV038220.D
Acq: 20 Nov 2024 17:10

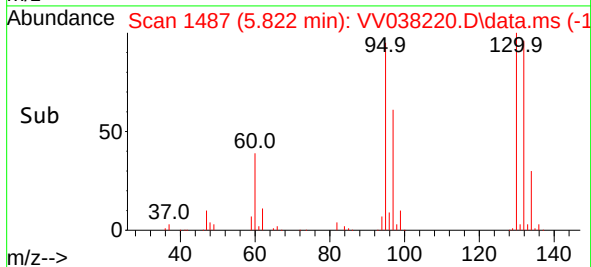
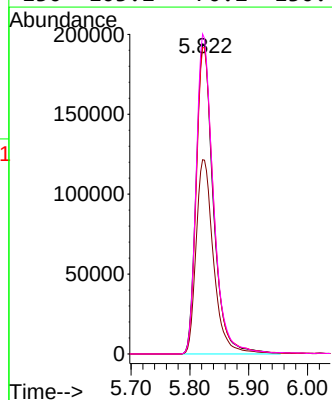
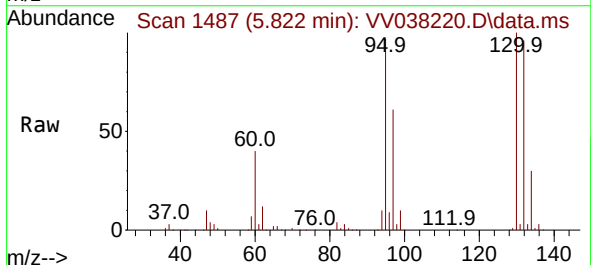
Instrument :
MSVOA_V
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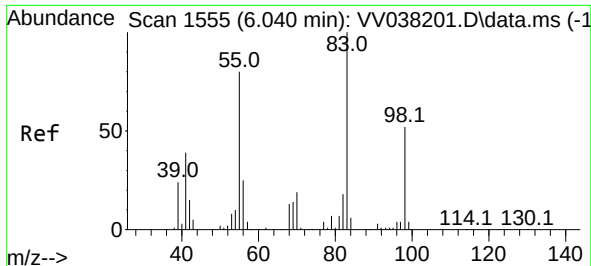
Tgt Ion: 97 Resp: 63239
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.8
61 39.8 32.2 48.2



#34
Trichloroethene
Concen: 19.500 ug/L
RT: 5.822 min Scan# 1487
Delta R.T. -0.006 min
Lab File: VV038220.D
Acq: 20 Nov 2024 17:10

Tgt Ion: 95 Resp: 394993
Ion Ratio Lower Upper
95 100
97 62.6 44.8 83.2
132 98.7 68.3 126.8
130 103.2 70.2 130.4

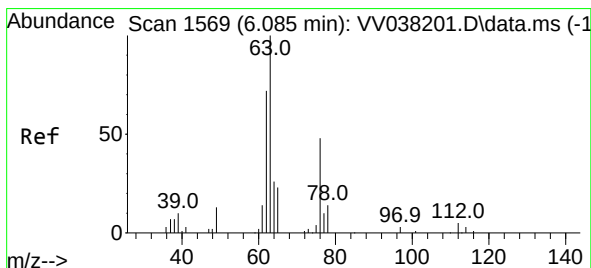
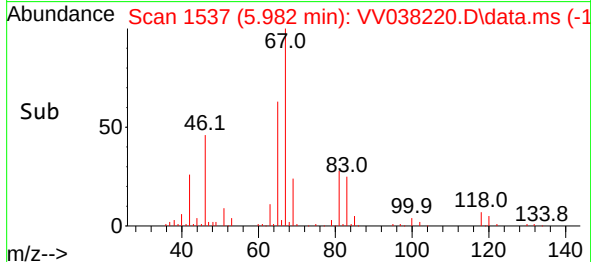
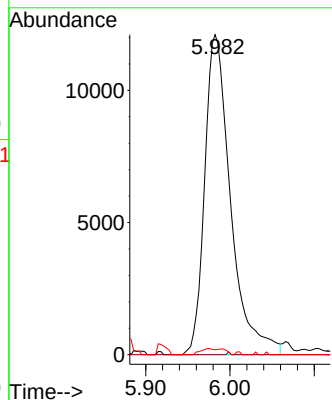
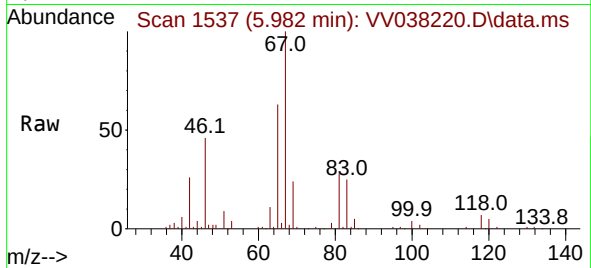




#35
Methylcyclohexane
Concen: 0.905 ug/L
RT: 5.982 min Scan# 1537
Delta R.T. -0.058 min
Lab File: VV038220.D
Acq: 20 Nov 2024 17:10

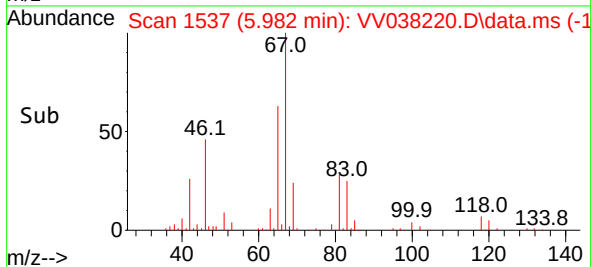
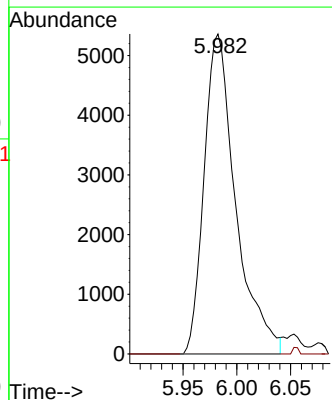
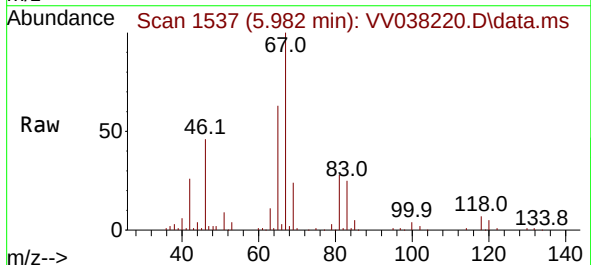
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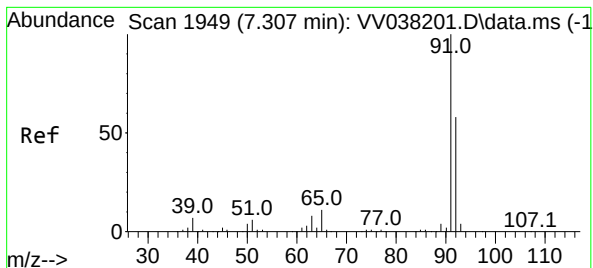
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.1	59.7	89.5#
98	0.0	39.0	58.4#



#37
1,2-Dichloropropane
Concen: 0.588 ug/L
RT: 5.982 min Scan# 1537
Delta R.T. -0.103 min
Lab File: VV038220.D
Acq: 20 Nov 2024 17:10

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





#42

Toluene

Concen: 0.420 ug/L

RT: 7.320 min Scan# 1949

Delta R.T. 0.013 min

Lab File: VV038220.D

Acq: 20 Nov 2024 17:10

Instrument :

MSVOA_V

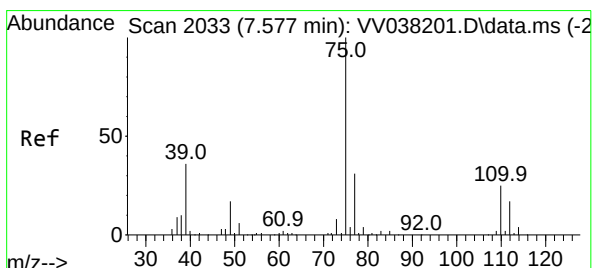
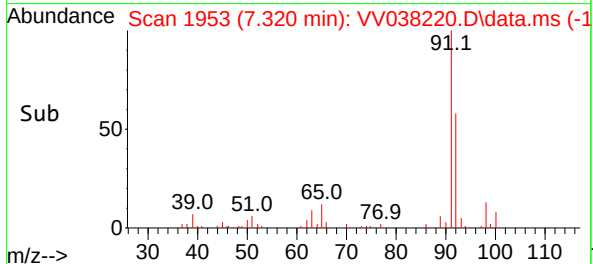
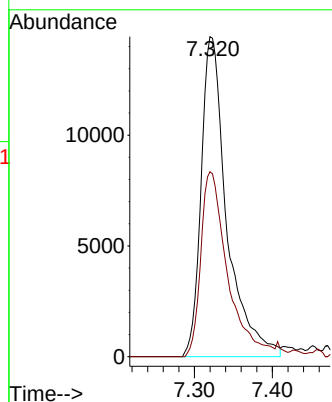
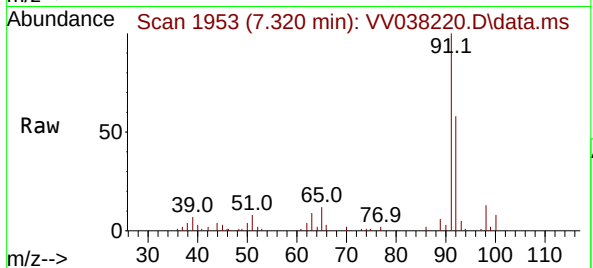
ClientSampleId :

Tgt Ion: 91 Resp: 33088

Ion Ratio Lower Upper

91 100

92 57.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.555 min Scan# 2026

Delta R.T. -0.022 min

Lab File: VV038220.D

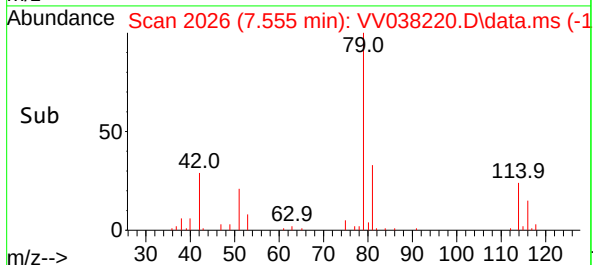
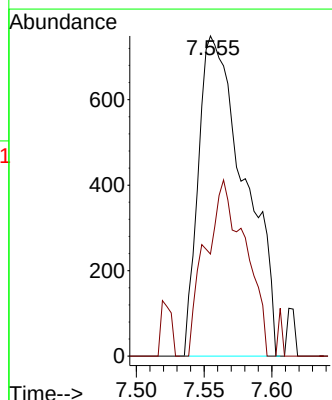
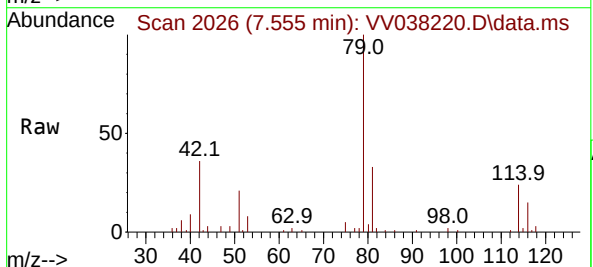
Acq: 20 Nov 2024 17:10

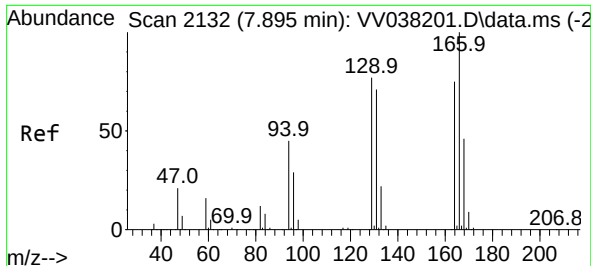
Tgt Ion: 75 Resp: 1778

Ion Ratio Lower Upper

75 100

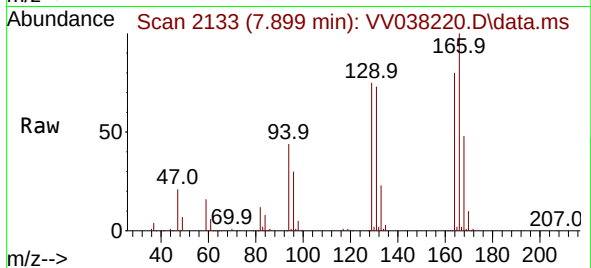
77 31.9 23.4 43.4



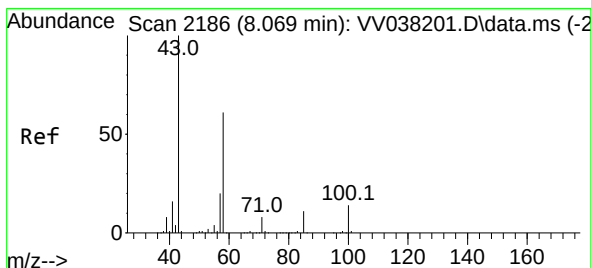
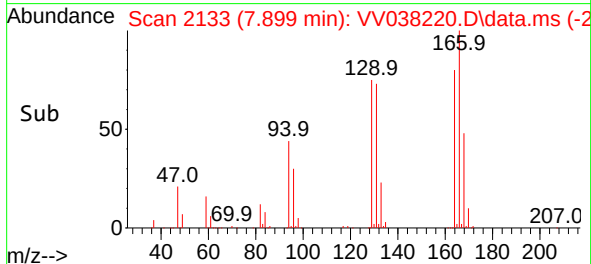
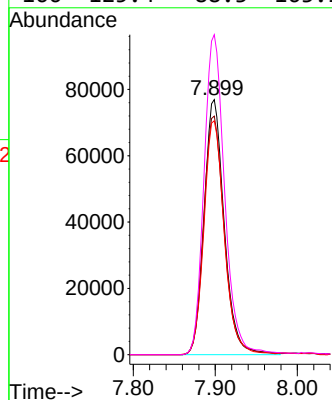


#47
Tetrachloroethene
Concen: 8.054 ug/L
RT: 7.899 min Scan# 2132
Delta R.T. 0.003 min
Lab File: VV038220.D
Acq: 20 Nov 2024 17:10

Instrument :
MSVOA_V
ClientSampleId :

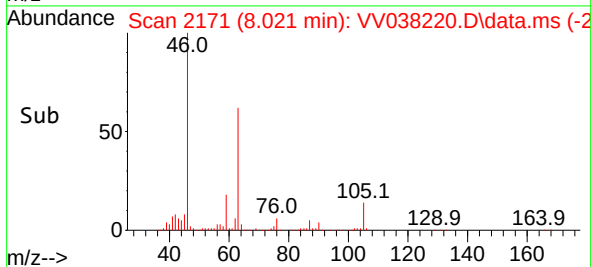
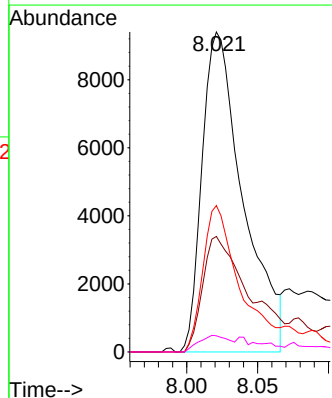
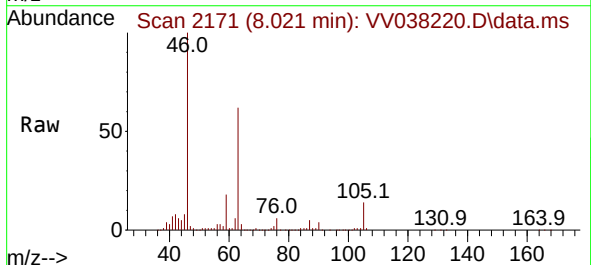


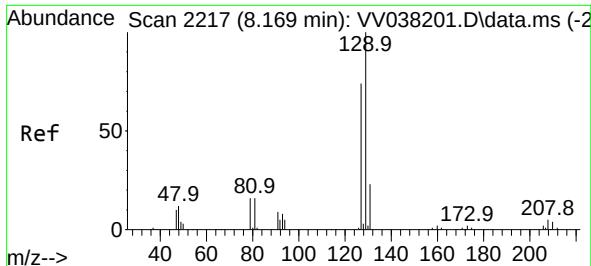
Tgt Ion:164 Resp: 131093
Ion Ratio Lower Upper
164 100
129 93.5 68.5 127.1
131 91.7 64.8 120.4
166 125.4 88.3 163.9



#48
2-Hexanone
Concen: 2.683 ug/L
RT: 8.021 min Scan# 2171
Delta R.T. -0.048 min
Lab File: VV038220.D
Acq: 20 Nov 2024 17:10

Tgt Ion: 43 Resp: 18953
Ion Ratio Lower Upper
43 100
58 41.4 49.2 73.8#
57 41.6 16.9 25.3#
100 3.9 11.8 17.8#





#49

Dibromochloromethane

Concen: 7.352 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.270 min

Lab File: VV038220.D

Acq: 20 Nov 2024 17:10

Instrument :

MSVOA_V

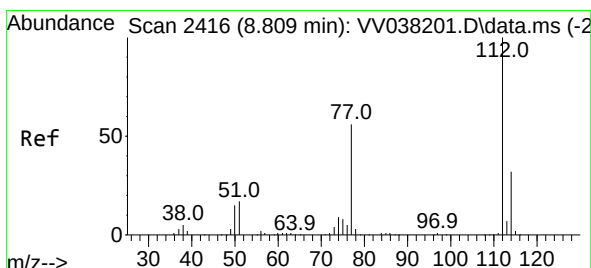
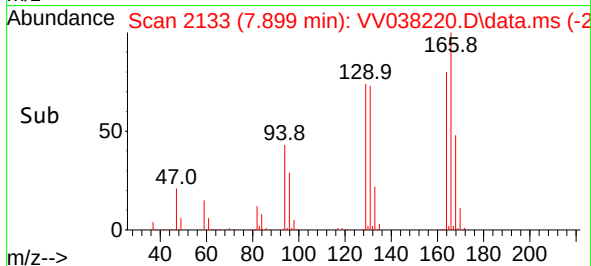
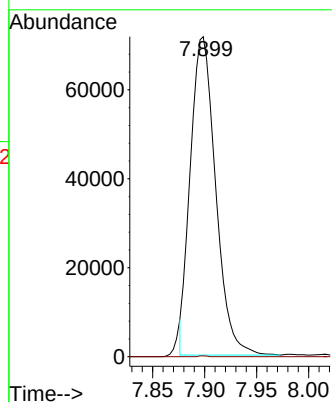
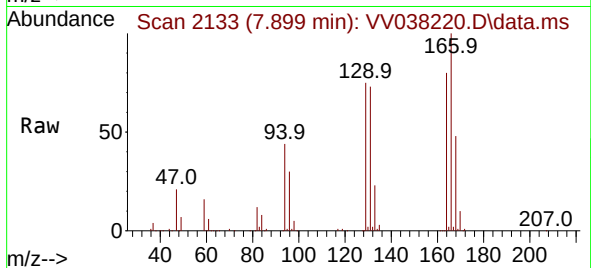
ClientSampleId :

Tgt Ion:129 Resp: 120988

Ion Ratio Lower Upper

129 100

127 0.2 53.5 99.3#



#51

Chlorobenzene

Concen: 0.325 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.007 min

Lab File: VV038220.D

Acq: 20 Nov 2024 17:10

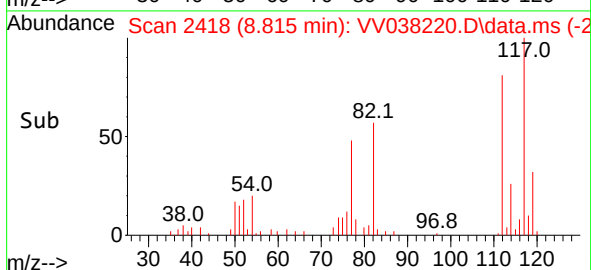
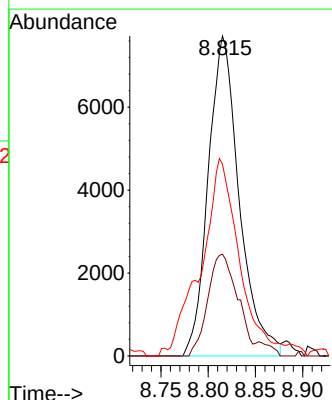
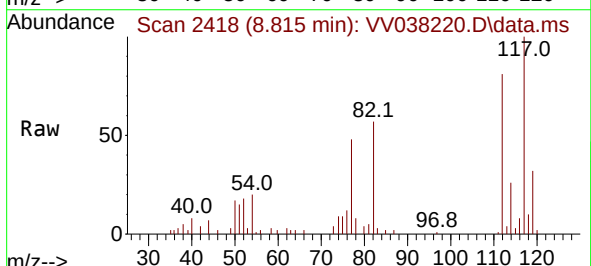
Tgt Ion:112 Resp: 17628

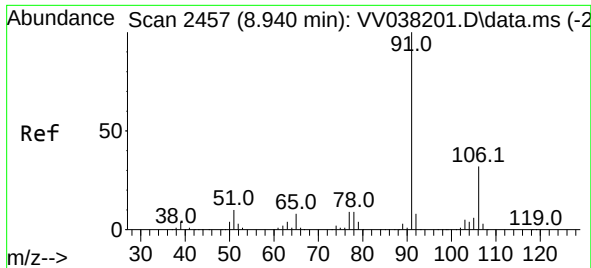
Ion Ratio Lower Upper

112 100

114 31.8 22.0 40.8

77 59.9 45.0 67.4

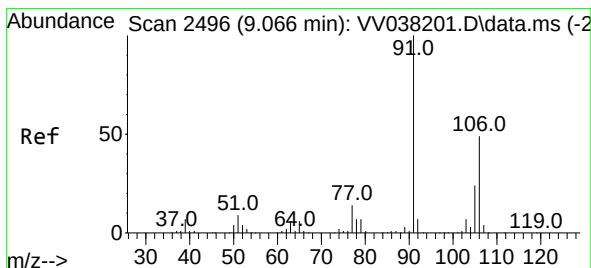
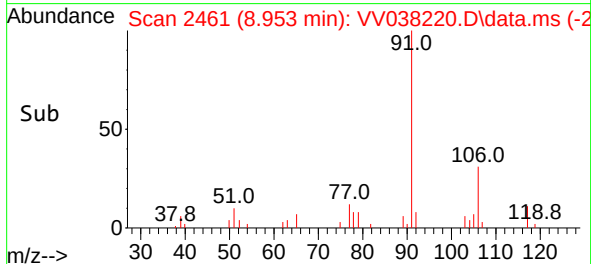
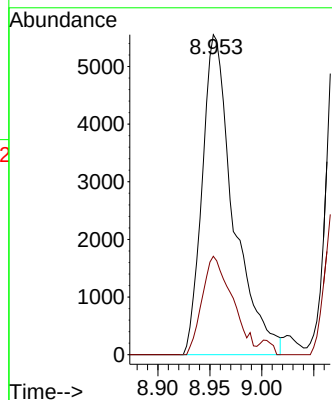
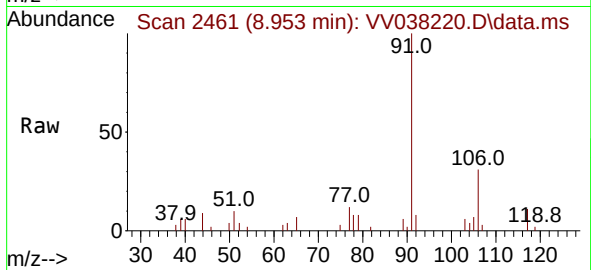




#52
Ethylbenzene
Concen: 0.139 ug/L
RT: 8.953 min Scan# 2457
Delta R.T. 0.013 min
Lab File: VV038220.D
Acq: 20 Nov 2024 17:10

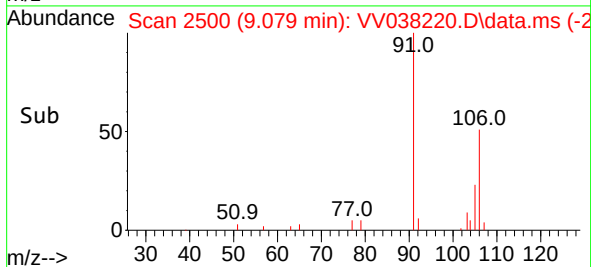
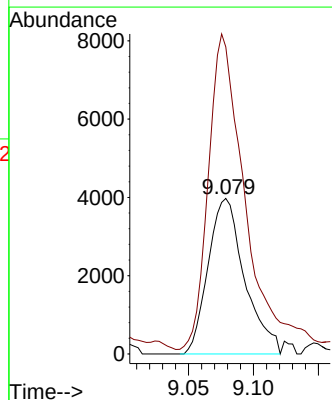
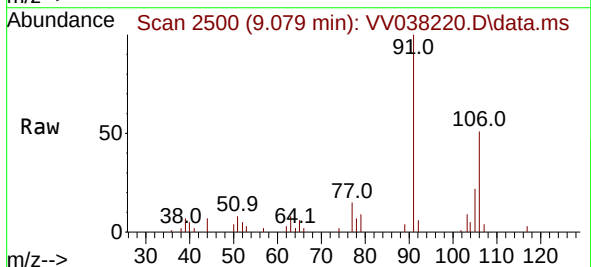
Instrument :
MSVOA_V
ClientSampleId :

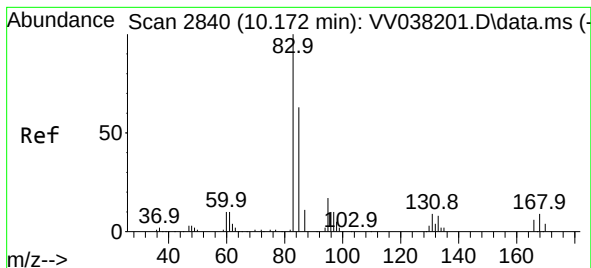
Tgt Ion: 91 Resp: 11589
Ion Ratio Lower Upper
91 100
106 30.7 21.8 40.4



#53
m,p-Xylene
Concen: 0.247 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.013 min
Lab File: VV038220.D
Acq: 20 Nov 2024 17:10

Tgt Ion: 106 Resp: 7768
Ion Ratio Lower Upper
106 100
91 197.5 138.7 257.5





#57

1,1,2,2-Tetrachloroethane

Concen: 0.151 ug/L

RT: 10.169 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV038220.D

Acq: 20 Nov 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

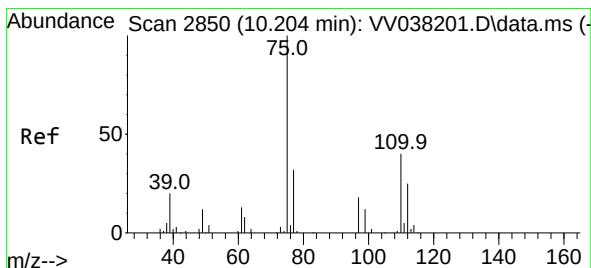
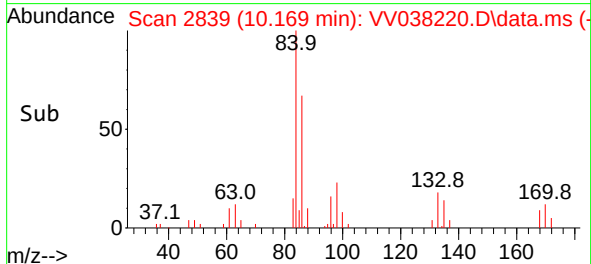
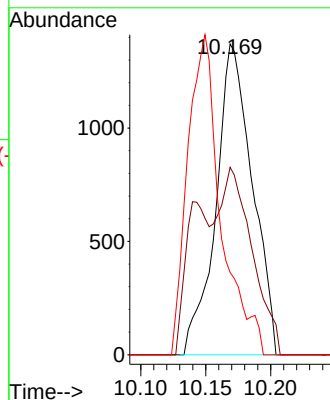
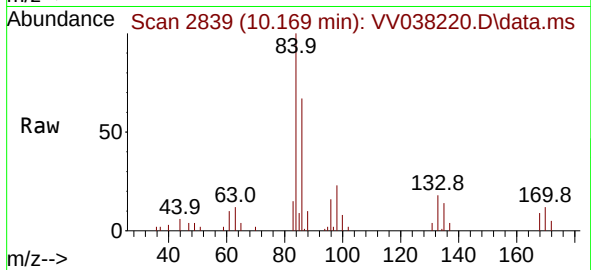
Tgt Ion: 83 Resp: 2669

Ion Ratio Lower Upper

83 100

85 60.3 45.7 84.9

131 26.5 8.2 12.4#



#61

1,2,3-Trichloropropane

Concen: 1.352 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.974 min

Lab File: VV038220.D

Acq: 20 Nov 2024 17:10

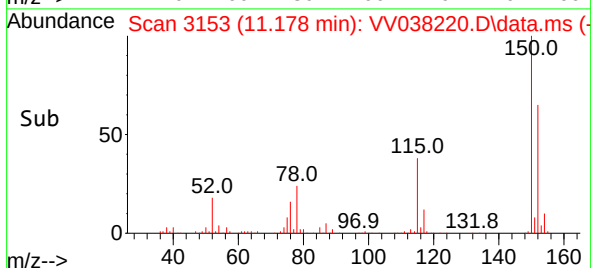
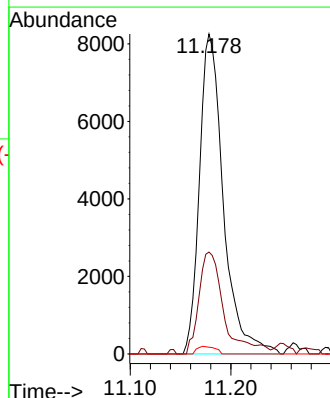
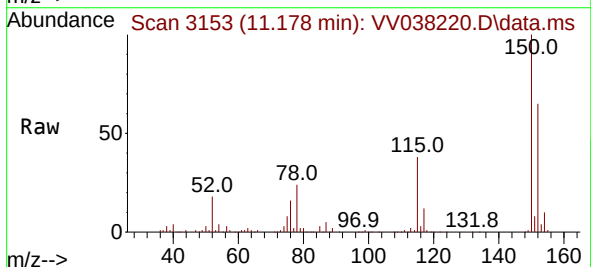
Tgt Ion: 75 Resp: 13613

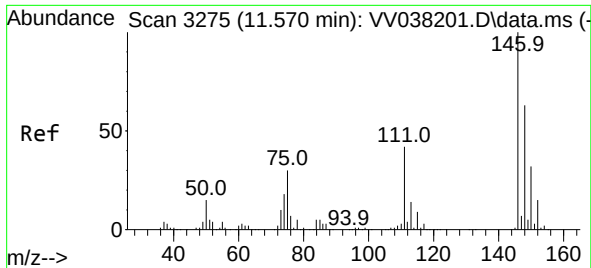
Ion Ratio Lower Upper

75 100

77 33.2 26.4 39.6

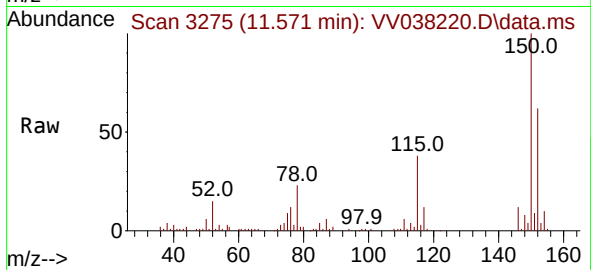
110 1.8 32.3 48.5#





#67
 1,2-Dichlorobenzene
 Concen: 0.241 ug/L
 RT: 11.571 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV038220.D
 Acq: 20 Nov 2024 17:10

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	146	Resp:	8122
Ion	Ratio	Lower	Upper
146	100		
111	50.2	34.2	51.2
148	69.3	51.0	76.4

