

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112024\
 Data File : VV038223.D
 Acq On : 20 Nov 2024 18:22
 Operator : SY/MD
 Sample : P4883-10
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 01:53:03 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	249438	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	273519	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	118684	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	73769	3.858	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%
7) Chloroethane-d5	1.529	69	69814	4.514	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.053	65	33318	4.050	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.000%
20) 2-Butanone-d5	3.799	46	188105	49.182	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.360%
24) Chloroform-d	4.240	84	167165	4.505	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	4.937	65	82858	4.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	4.953	84	291539	4.124	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	5.982	67	98780	4.541	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.239	98	235492	3.600	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.000%
43) trans-1,3-Dichloroprop...	7.558	79	32647	4.037	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.800%
46) 2-Hexanone-d5	8.021	63	163832	52.113	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.220%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	84954	4.600	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	11.554	152	100402	4.965	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	6898	0.369	ug/L	93
13) Acetone	1.973	43	1557662	550.661	ug/L	41
16) Methylene chloride	2.442	84	36901	1.816	ug/L	98
17) Methyl tert-butyl Ether	2.703	73	4015	0.100	ug/L #	85
22) cis-1,2-Dichloroethene	3.818	96	7051	0.363	ug/L	93
27) 1,2-Dichloroethane	5.063	62	4975	0.251	ug/L #	91
29) 1,1,1-Trichloroethane	4.503	97	50677	1.545	ug/L	99
31) Carbon tetrachloride	4.510	117	6153	0.213	ug/L	92
34) Trichloroethene	5.828	95	96742	4.619	ug/L	99
35) Methylcyclohexane	5.982	83	23756	0.802	ug/L #	19
37) 1,2-Dichloropropane	5.982	63	10550	0.548	ug/L #	87
42) Toluene	7.320	91	32530	0.400	ug/L	99
47) Tetrachloroethene	7.899	164	68508	4.071	ug/L	97
49) Dibromochloromethane	7.899	129	61038	3.587	ug/L #	11
51) Chlorobenzene	8.812	112	16228	0.289	ug/L	94
52) Ethylbenzene	8.956	91	10038	0.116	ug/L	89
53) m,p-Xylene	9.075	106	7618	0.234	ug/L	91
61) 1,2,3-Trichloropropane	11.178	75	12725	1.252	ug/L #	64
67) 1,2-Dichlorobenzene	11.574	146	8078	0.238	ug/L #	91

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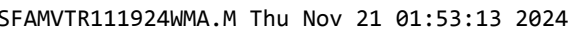
Instrument :
MSVOA_V
ClientSampleId :

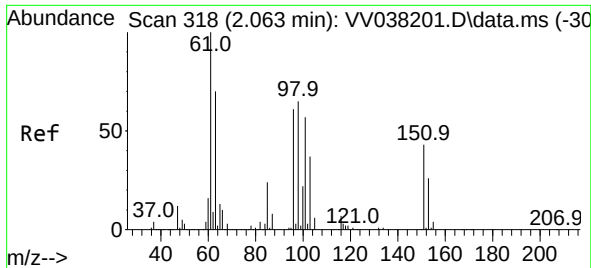
Quant Time: Nov 21 01:53:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 21 01:41:56 2024
Response via : Initial Calibration

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

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

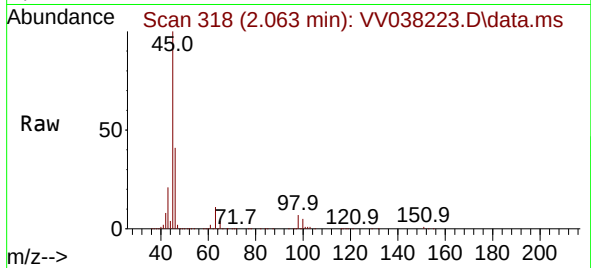
Quant Time: Nov 21 01:53:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
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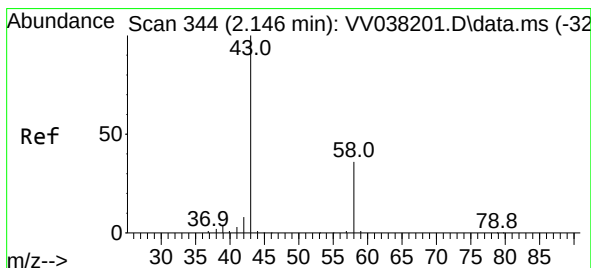
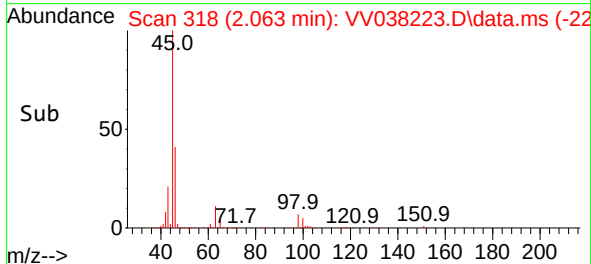
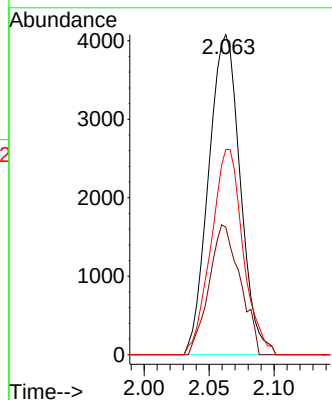


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.369 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. 0.000 min
 Lab File: VV038223.D
 Acq: 20 Nov 2024 18:22

Instrument :
 MSVOA_V
 ClientSampleId :

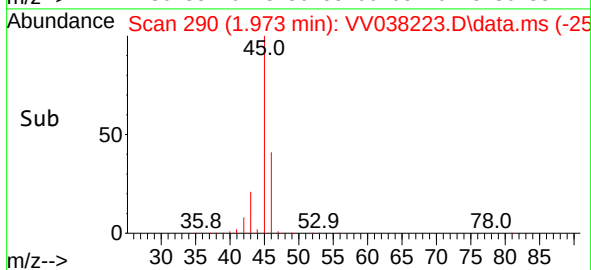
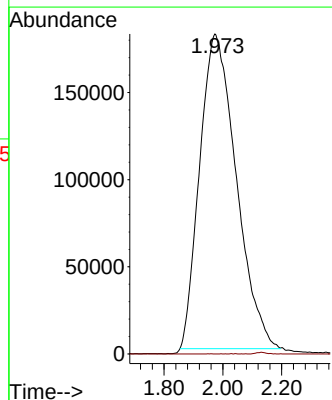
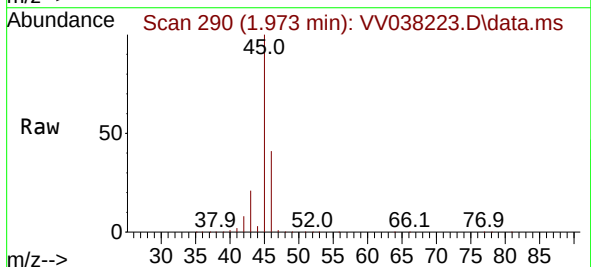


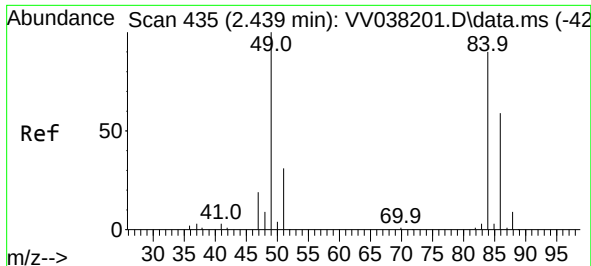
Tgt Ion:101 Resp: 6898
 Ion Ratio Lower Upper
 101 100
 85 39.9 33.4 50.0
 151 65.0 58.8 88.2



#13
 Acetone
 Concen: 550.661 ug/L
 RT: 1.973 min Scan# 290
 Delta R.T. -0.174 min
 Lab File: VV038223.D
 Acq: 20 Nov 2024 18:22

Tgt Ion: 43 Resp: 1557662
 Ion Ratio Lower Upper
 43 100
 58 0.0 0.0 67.2

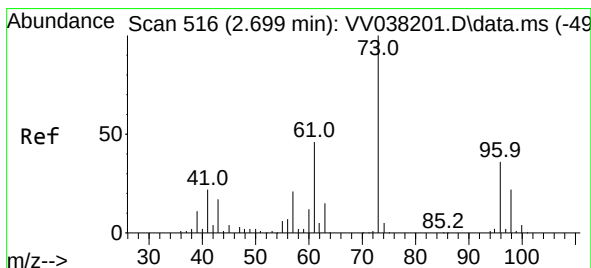
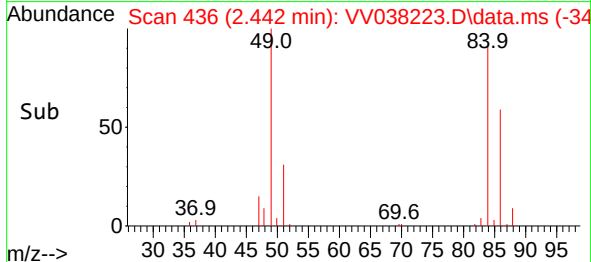
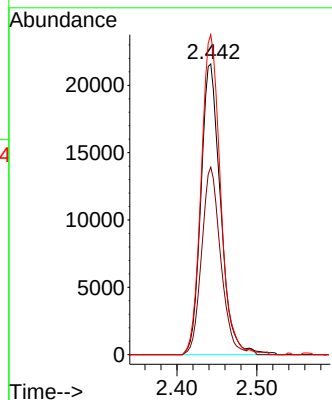
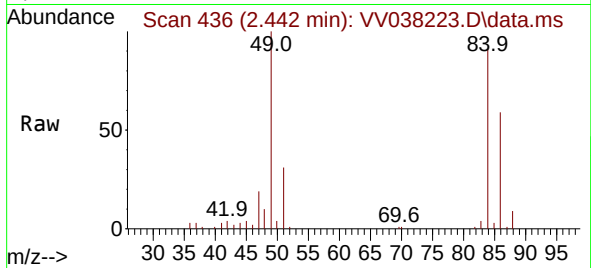




#16
Methylene chloride
Concen: 1.816 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV038223.D
Acq: 20 Nov 2024 18:22

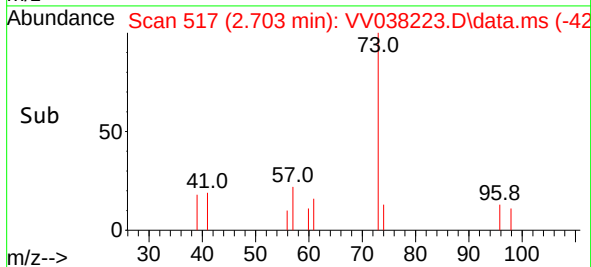
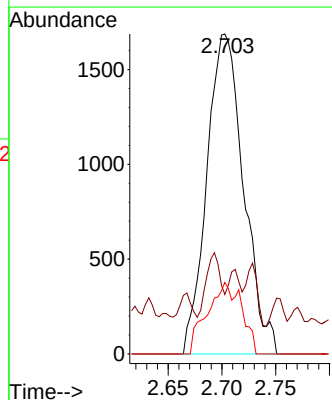
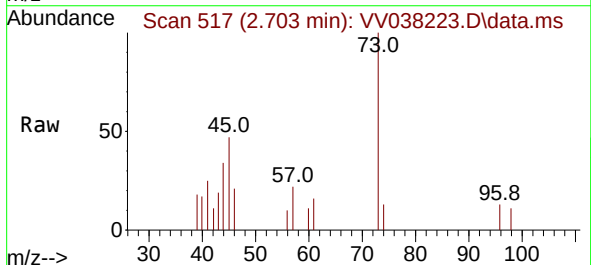
Instrument :
MSVOA_V
ClientSampleId :

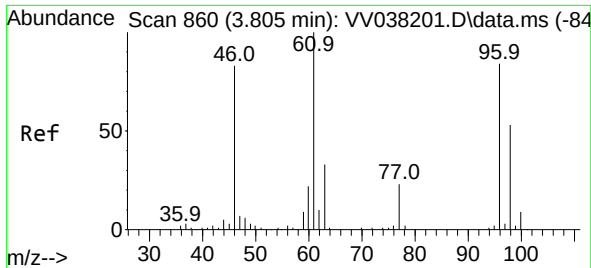
Tgt Ion: 84 Resp: 36901
Ion Ratio Lower Upper
84 100
86 64.5 44.2 82.2
49 110.0 74.9 139.1



#17
Methyl tert-butyl Ether
Concen: 0.100 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV038223.D
Acq: 20 Nov 2024 18:22

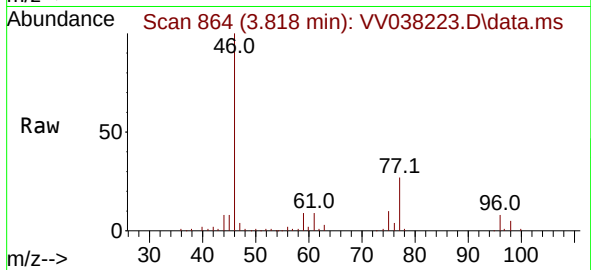
Tgt Ion: 73 Resp: 4015
Ion Ratio Lower Upper
73 100
43 4.5 14.2 21.2#
57 20.8 17.6 26.4



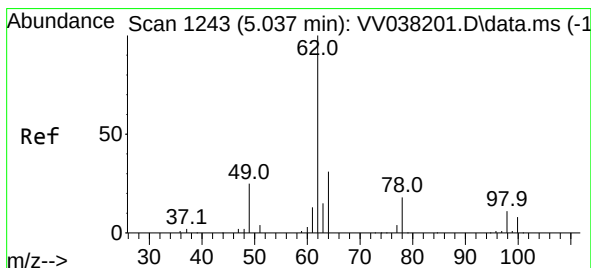
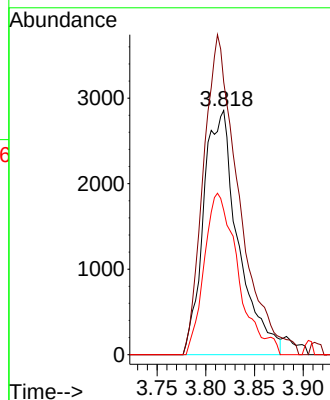
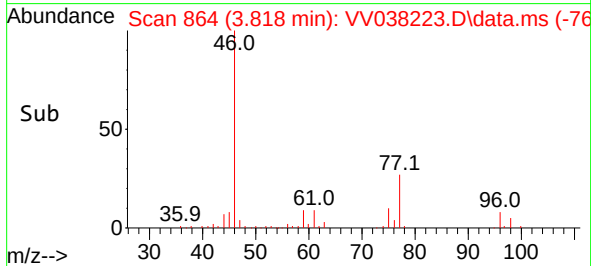


#22
cis-1,2-Dichloroethene
Concen: 0.363 ug/L
RT: 3.818 min Scan# 80
Delta R.T. 0.013 min
Lab File: VV038223.D
Acq: 20 Nov 2024 18:22

Instrument :
MSVOA_V
ClientSampleId :

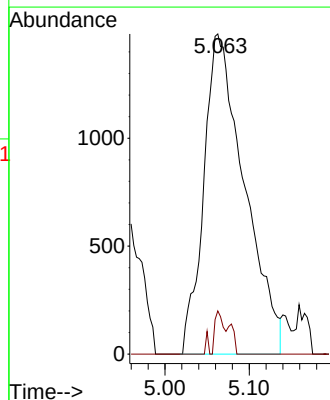
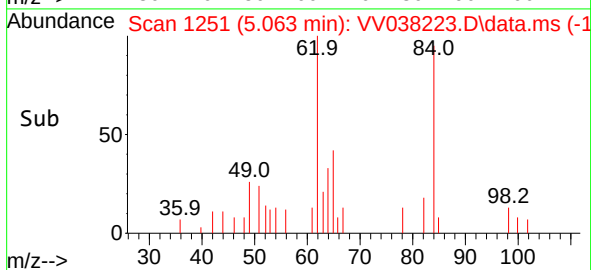
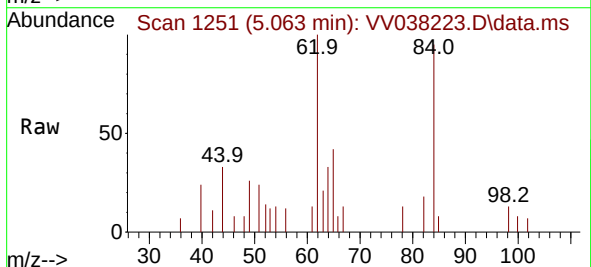


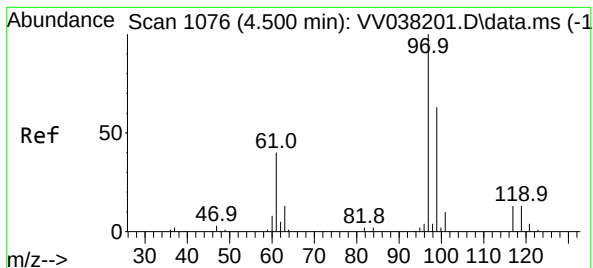
Tgt Ion: 96 Resp: 7051
Ion Ratio Lower Upper
96 100
61 111.7 82.7 153.5
98 59.1 46.3 85.9



#27
1,2-Dichloroethane
Concen: 0.251 ug/L
RT: 5.063 min Scan# 1251
Delta R.T. 0.026 min
Lab File: VV038223.D
Acq: 20 Nov 2024 18:22

Tgt Ion: 62 Resp: 4975
Ion Ratio Lower Upper
62 100
98 13.5 8.2 12.4#





#29

1,1,1-Trichloroethane

Concen: 1.545 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV038223.D

Acq: 20 Nov 2024 18:22

Instrument :

MSVOA_V

ClientSampleId :

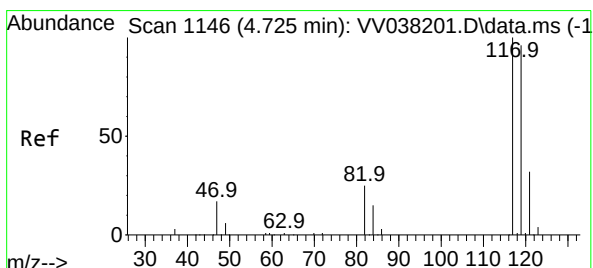
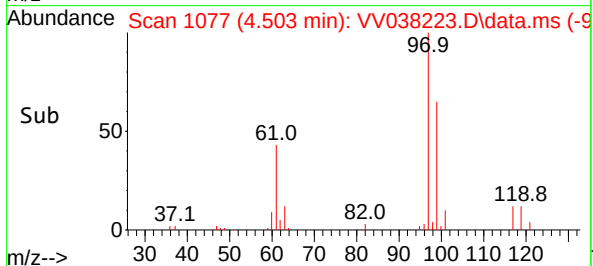
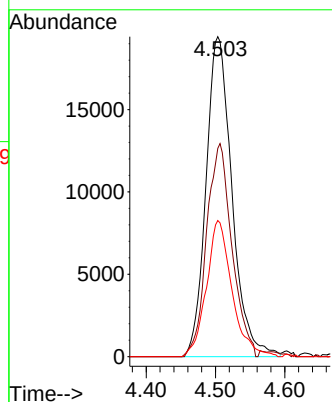
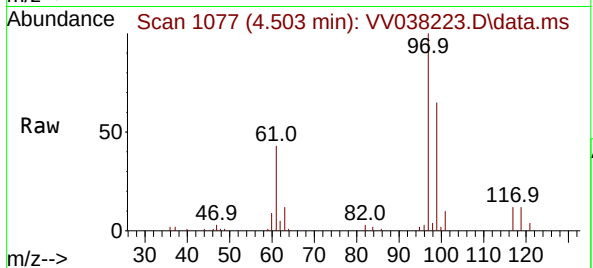
Tgt Ion: 97 Resp: 50677

Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.8

61 41.8 32.2 48.2



#31

Carbon tetrachloride

Concen: 0.213 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. -0.215 min

Lab File: VV038223.D

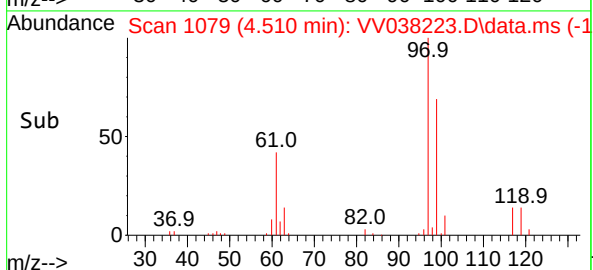
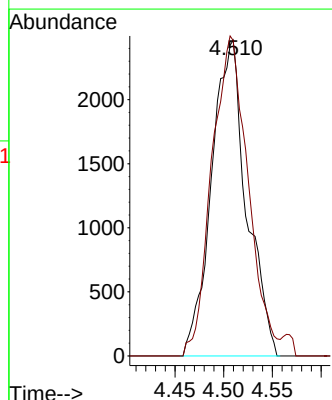
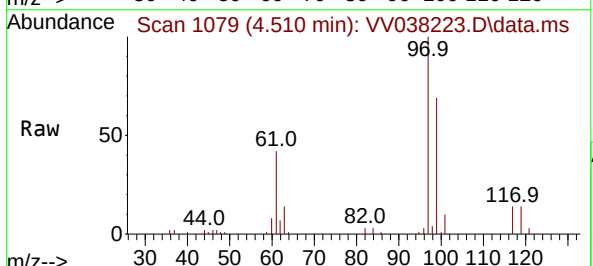
Acq: 20 Nov 2024 18:22

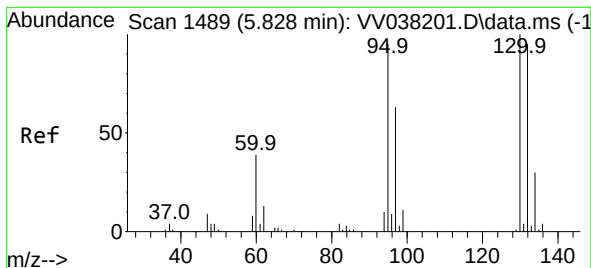
Tgt Ion: 117 Resp: 6153

Ion Ratio Lower Upper

117 100

119 104.9 77.4 116.2





#34

Trichloroethene

Concen: 4.619 ug/L

RT: 5.828 min Scan# 14

Delta R.T. 0.000 min

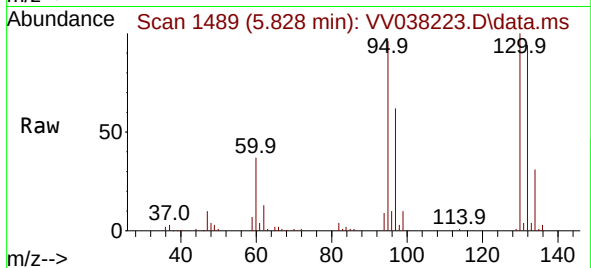
Lab File: VV038223.D

Acq: 20 Nov 2024 18:22

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 96742

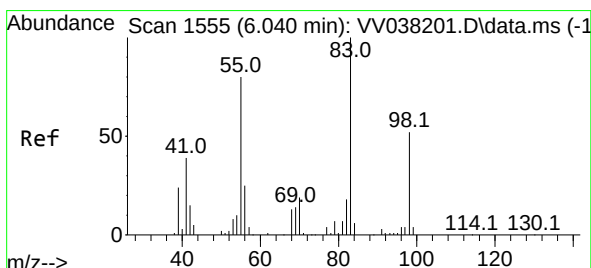
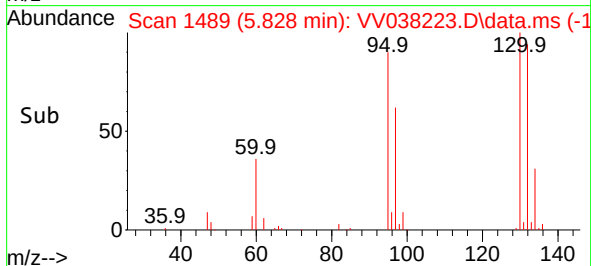
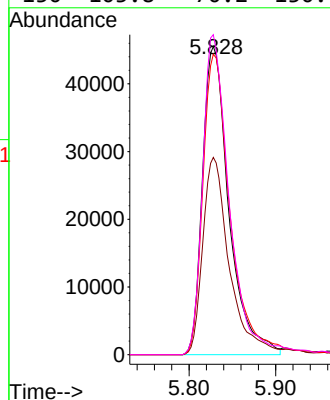
Ion	Ratio	Lower	Upper
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95	100		
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97	64.0	44.8	83.2
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132	97.5	68.3	126.8
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130	103.8	70.2	130.4
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#35

Methylcyclohexane

Concen: 0.802 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038223.D

Acq: 20 Nov 2024 18:22

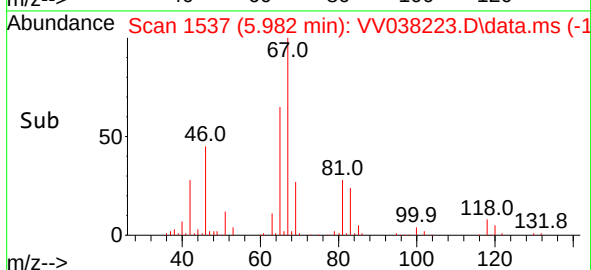
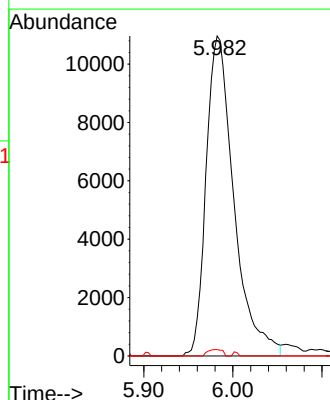
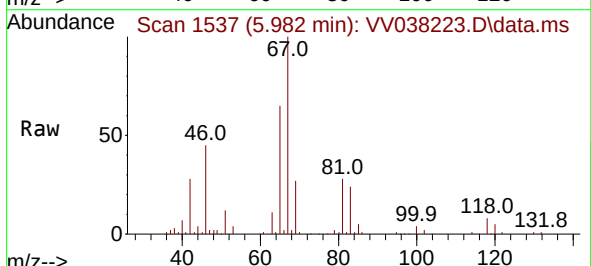
Tgt Ion: 83 Resp: 23756

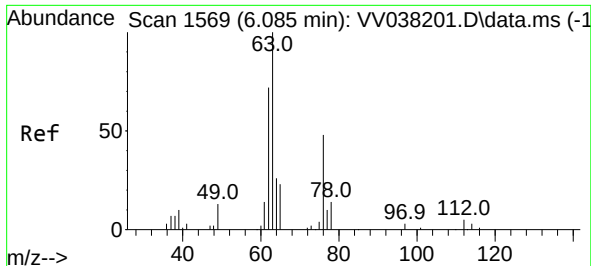
Ion	Ratio	Lower	Upper
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83	100		
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55	0.0	59.7	89.5#
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98	1.1	39.0	58.4#
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#37

1,2-Dichloropropane

Concen: 0.548 ug/L

RT: 5.982 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV038223.D

Acq: 20 Nov 2024 18:22

Instrument :

MSVOA_V

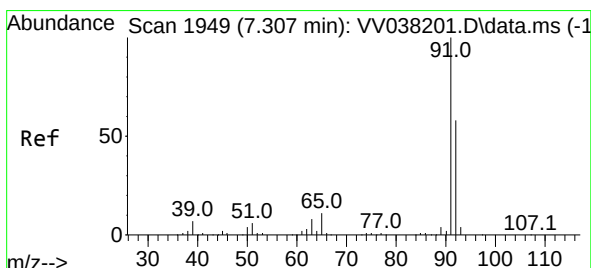
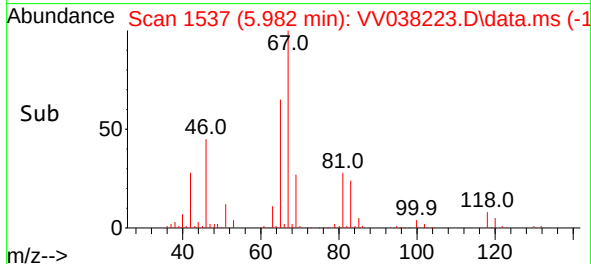
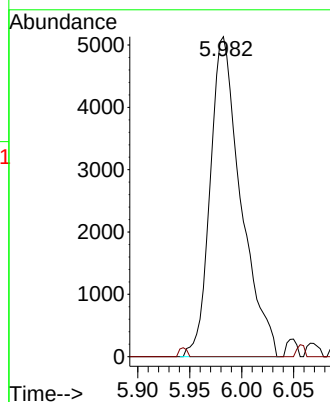
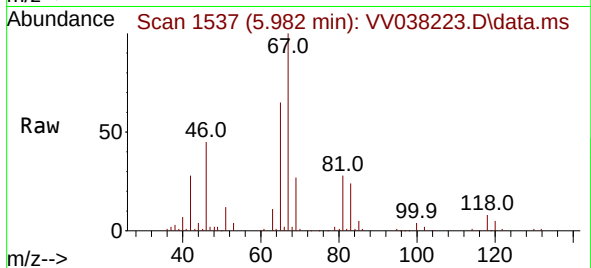
ClientSampleId :

Tgt Ion: 63 Resp: 10550

Ion Ratio Lower Upper

63 100

112 0.7 3.9 5.9#



#42

Toluene

Concen: 0.400 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.013 min

Lab File: VV038223.D

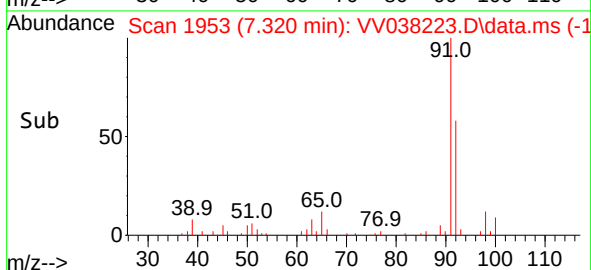
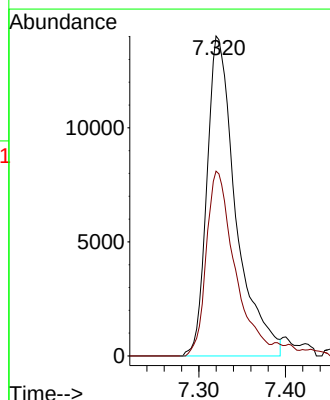
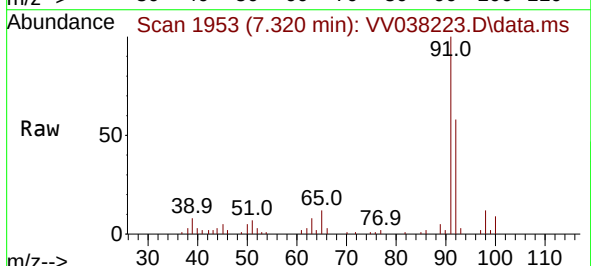
Acq: 20 Nov 2024 18:22

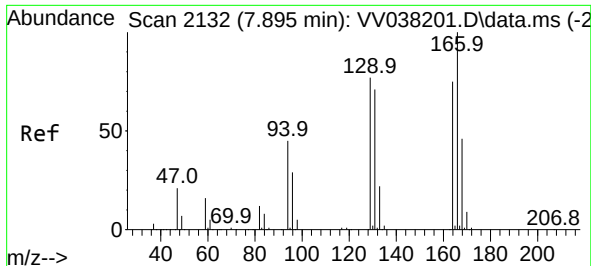
Tgt Ion: 91 Resp: 32530

Ion Ratio Lower Upper

91 100

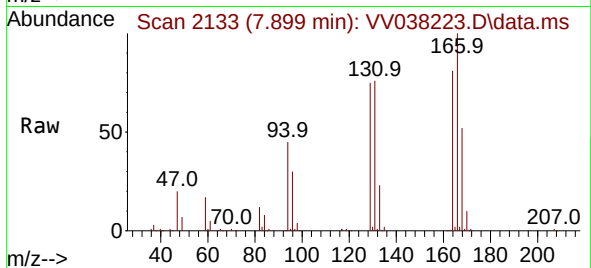
92 57.7 40.8 75.8



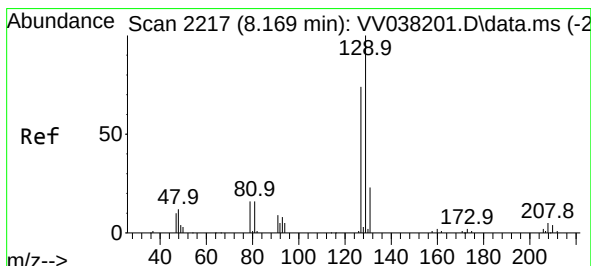
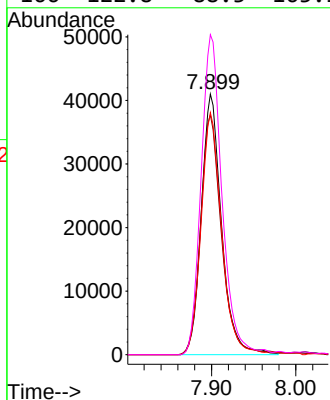
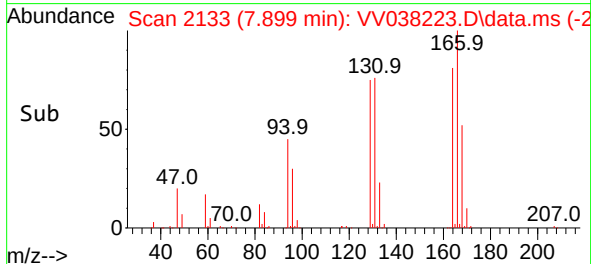


#47
Tetrachloroethene
Concen: 4.071 ug/L
RT: 7.899 min Scan# 2132
Delta R.T. 0.003 min
Lab File: VV038223.D
Acq: 20 Nov 2024 18:22

Instrument :
MSVOA_V
ClientSampleId :

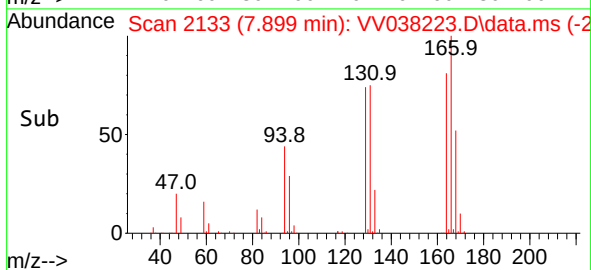
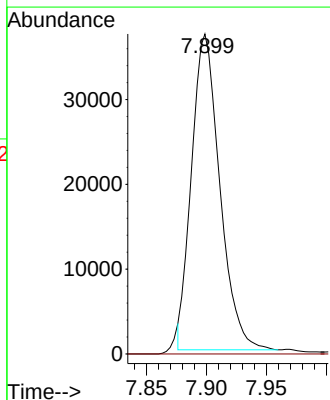
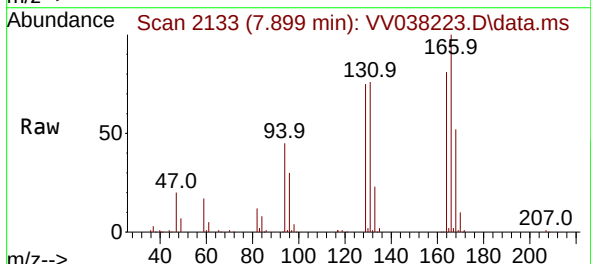


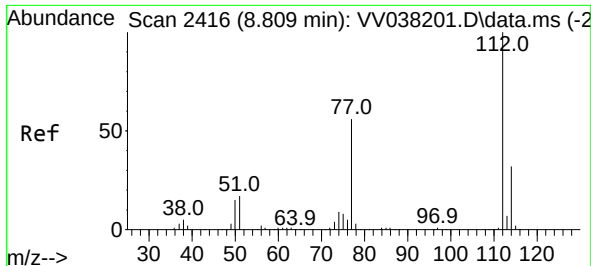
Tgt Ion:164 Resp: 68508
Ion Ratio Lower Upper
164 100
129 92.0 68.5 127.1
131 92.9 64.8 120.4
166 122.8 88.3 163.9



#49
Dibromochloromethane
Concen: 3.587 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. -0.270 min
Lab File: VV038223.D
Acq: 20 Nov 2024 18:22

Tgt Ion:129 Resp: 61038
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#

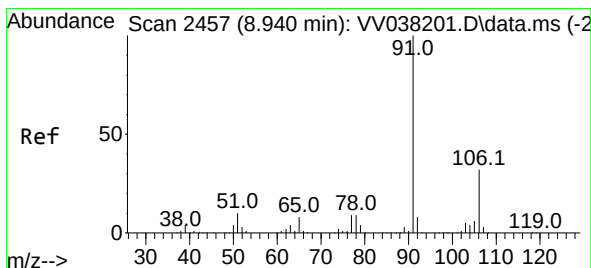
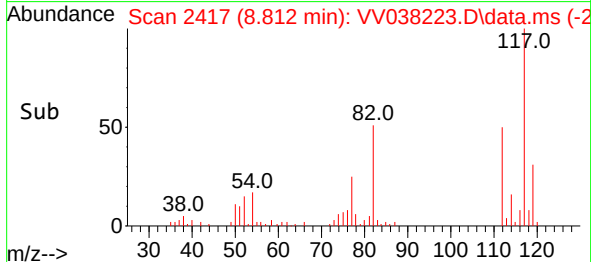
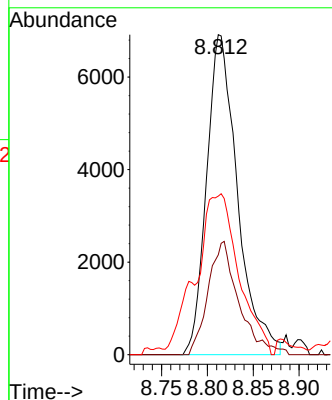
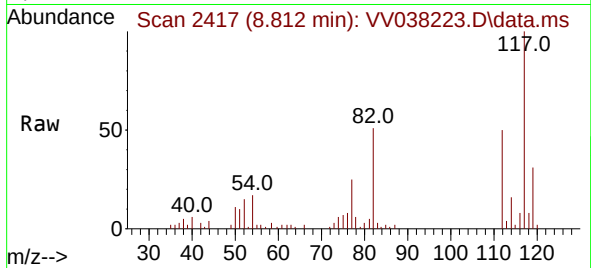




#51
Chlorobenzene
Concen: 0.289 ug/L
RT: 8.812 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV038223.D
Acq: 20 Nov 2024 18:22

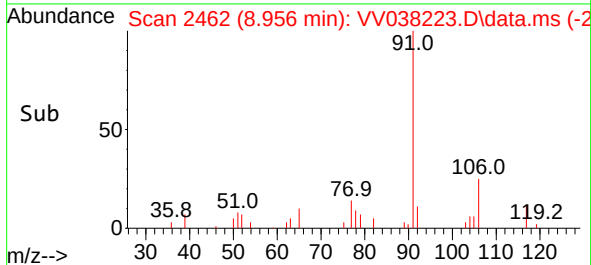
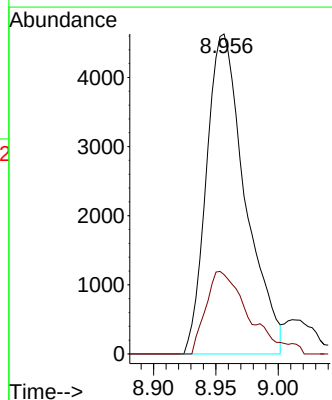
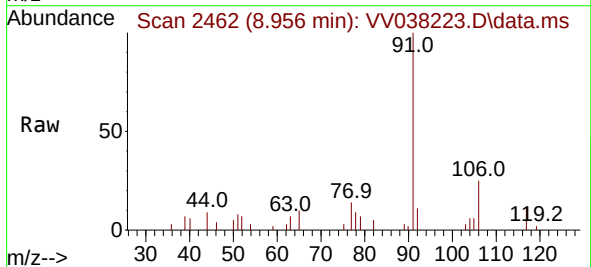
Instrument :
MSVOA_V
ClientSampleId :

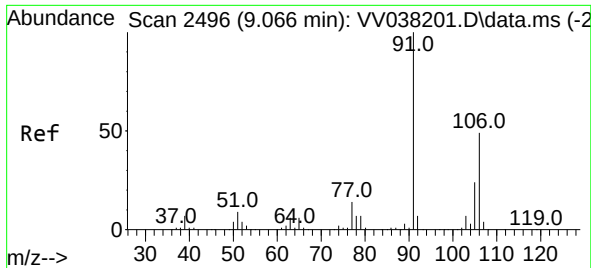
Tgt Ion:112 Resp: 16228
Ion Ratio Lower Upper
112 100
114 31.2 22.0 40.8
77 49.6 45.0 67.4



#52
Ethylbenzene
Concen: 0.116 ug/L
RT: 8.956 min Scan# 2462
Delta R.T. 0.016 min
Lab File: VV038223.D
Acq: 20 Nov 2024 18:22

Tgt Ion: 91 Resp: 10038
Ion Ratio Lower Upper
91 100
106 24.8 21.8 40.4

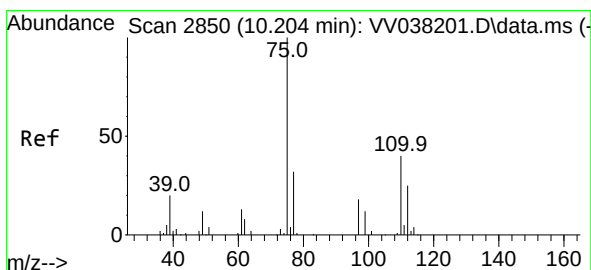
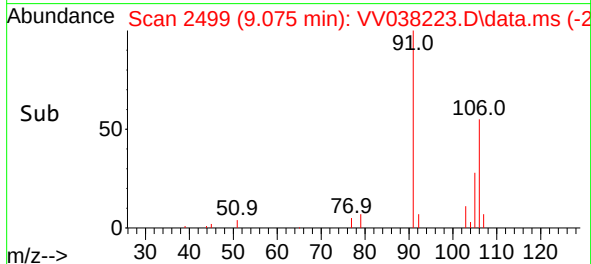
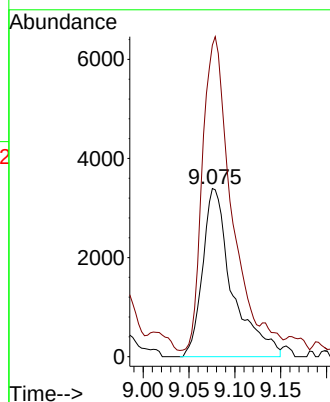
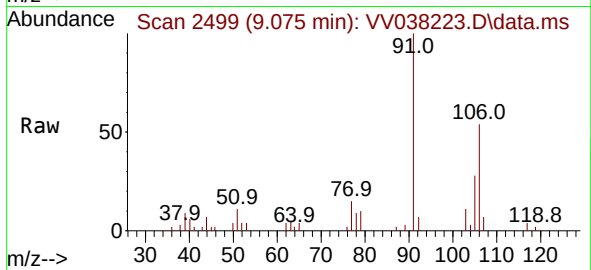




#53
m,p-Xylene
Concen: 0.234 ug/L
RT: 9.075 min Scan# 2496
Delta R.T. 0.010 min
Lab File: VV038223.D
Acq: 20 Nov 2024 18:22

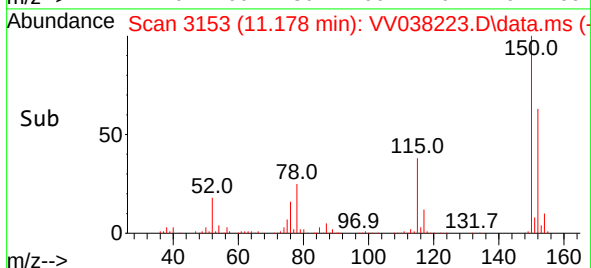
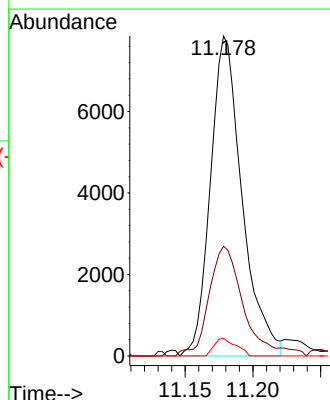
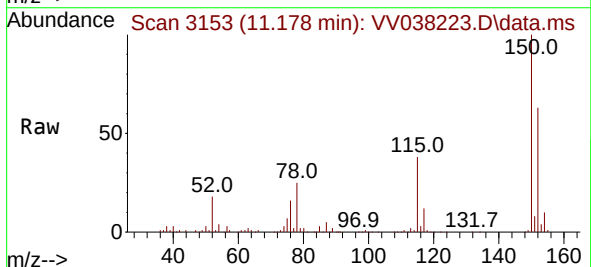
Instrument :
MSVOA_V
ClientSampleId :

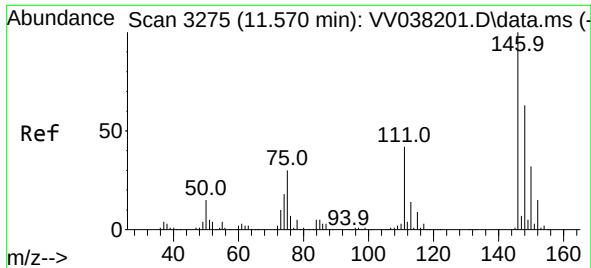
Tgt Ion:106 Resp: 7618
Ion Ratio Lower Upper
106 100
91 185.3 138.7 257.5



#61
1,2,3-Trichloropropane
Concen: 1.252 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.974 min
Lab File: VV038223.D
Acq: 20 Nov 2024 18:22

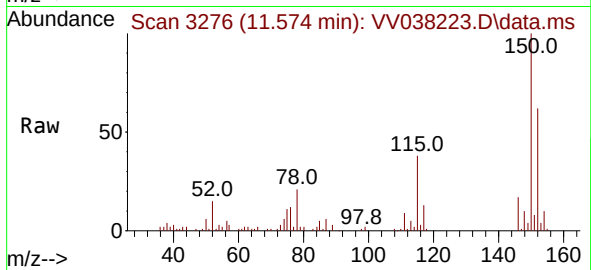
Tgt Ion: 75 Resp: 12725
Ion Ratio Lower Upper
75 100
77 37.4 26.4 39.6
110 3.8 32.3 48.5#





#67
 1,2-Dichlorobenzene
 Concen: 0.238 ug/L
 RT: 11.574 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV038223.D
 Acq: 20 Nov 2024 18:22

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:146 Resp: 8078
 Ion Ratio Lower Upper
 146 100
 111 52.7 34.2 51.2#
 148 60.3 51.0 76.4

