

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112024\
 Data File : VV038222.D
 Acq On : 20 Nov 2024 17:58
 Operator : SY/MD
 Sample : P4883-09
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 01:52:37 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	249780	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	270880	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	114586	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	75911	3.965	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.400%
7) Chloroethane-d5	1.529	69	71532	4.619	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.053	65	34873	4.233	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.600%
20) 2-Butanone-d5	3.793	46	191906	50.107	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.220%
24) Chloroform-d	4.239	84	172476	4.642	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	4.937	65	85898	5.152	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
32) Benzene-d6	4.953	84	304559	4.350	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	5.982	67	102494	4.758	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.239	98	247808	3.825	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.600%
43) trans-1,3-Dichloroprop...	7.558	79	33025	4.123	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.021	63	172671	55.460	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.920%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	88257	4.826	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	11.554	152	105221	5.390	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.800%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	8300	0.443	ug/L	96
13) Acetone	1.944	43	805775	284.466	ug/L	41
16) Methylene chloride	2.442	84	24766	1.217	ug/L	98
22) cis-1,2-Dichloroethene	3.812	96	4030	0.207	ug/L	93
27) 1,2-Dichloroethane	5.066	62	2772	0.140	ug/L #	72
29) 1,1,1-Trichloroethane	4.506	97	57460	1.769	ug/L	99
31) Carbon tetrachloride	4.506	117	7993	0.279	ug/L	93
34) Trichloroethene	5.828	95	113783	5.486	ug/L	96
35) Methylcyclohexane	5.985	83	25698	0.876	ug/L #	19
37) 1,2-Dichloropropane	5.979	63	11325	0.594	ug/L #	86
42) Toluene	7.323	91	31051	0.385	ug/L	95
47) Tetrachloroethene	7.898	164	107043	6.422	ug/L	98
49) Dibromochloromethane	7.898	129	98372	5.837	ug/L #	11
51) Chlorobenzene	8.815	112	17903	0.322	ug/L	96
52) Ethylbenzene	8.953	91	11298	0.132	ug/L	96
53) m,p-Xylene	9.075	106	7354	0.228	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.172	83	2761	0.153	ug/L #	88
61) 1,2,3-Trichloropropane	11.178	75	12770	1.302	ug/L #	66
67) 1,2-Dichlorobenzene	11.574	146	7852	0.239	ug/L	91

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

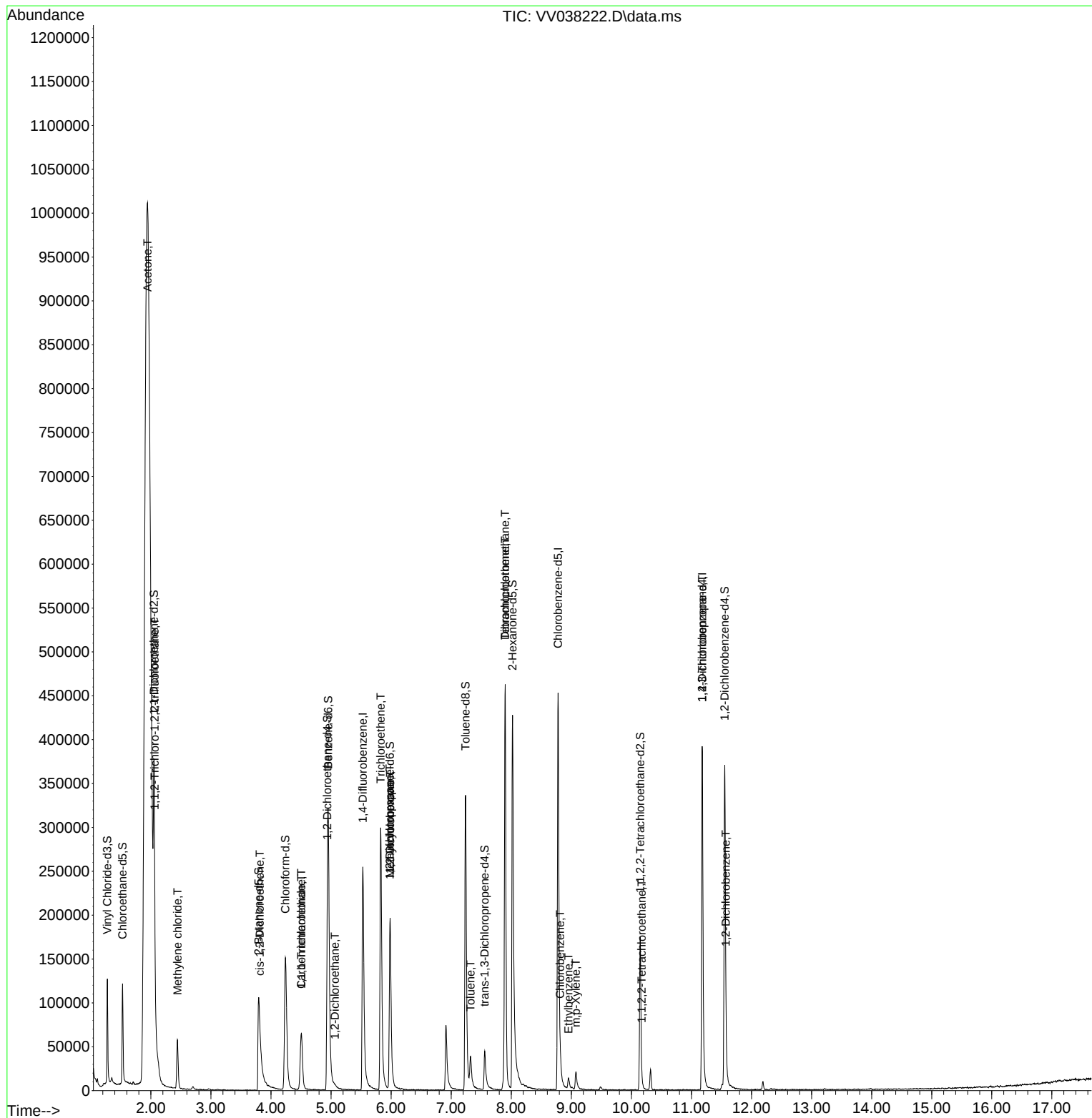
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

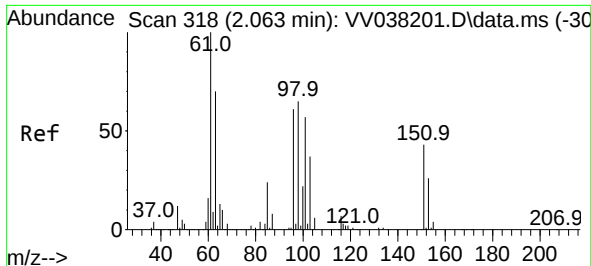
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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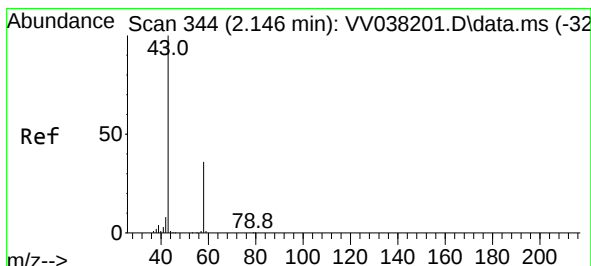
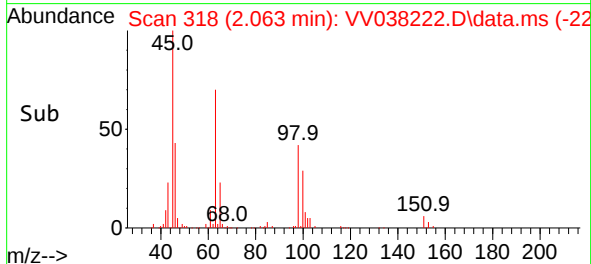
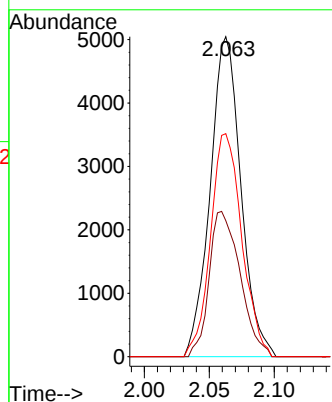
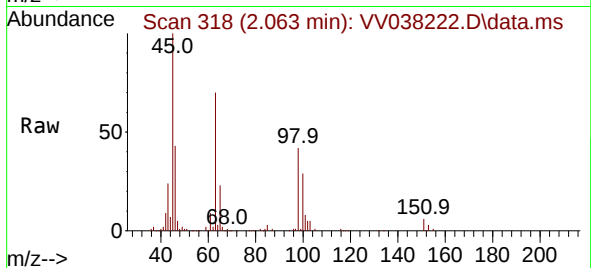




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.443 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV038222.D
 Acq: 20 Nov 2024 17:58

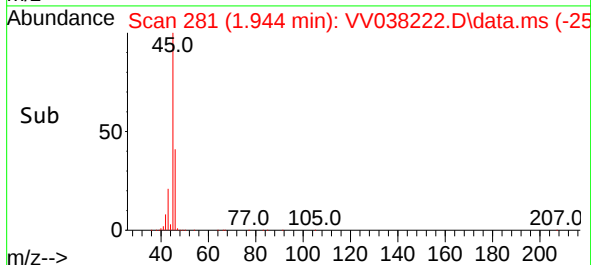
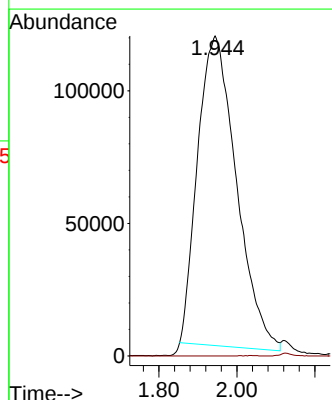
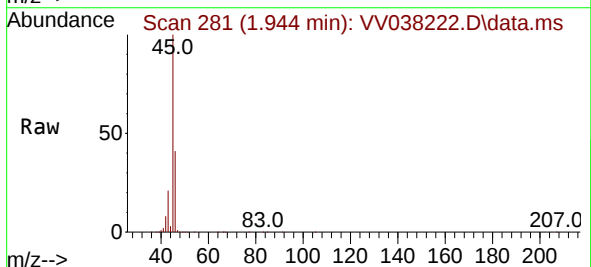
Instrument :
 MSVOA_V
 ClientSampleId :

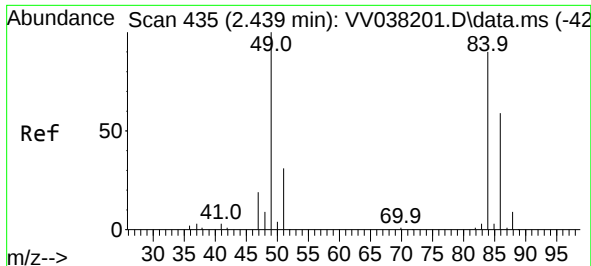
Tgt Ion:101 Resp: 8300
 Ion Ratio Lower Upper
 101 100
 85 45.8 33.4 50.0
 151 70.9 58.8 88.2



#13
 Acetone
 Concen: 284.466 ug/L
 RT: 1.944 min Scan# 281
 Delta R.T. -0.203 min
 Lab File: VV038222.D
 Acq: 20 Nov 2024 17:58

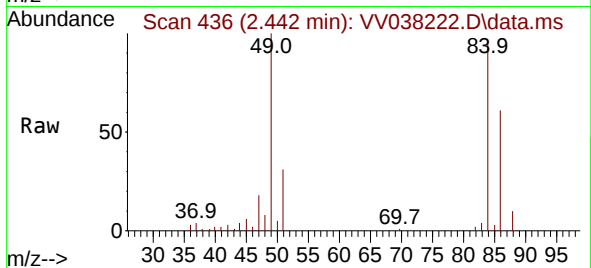
Tgt Ion: 43 Resp: 805775
 Ion Ratio Lower Upper
 43 100
 58 0.0 0.0 67.2





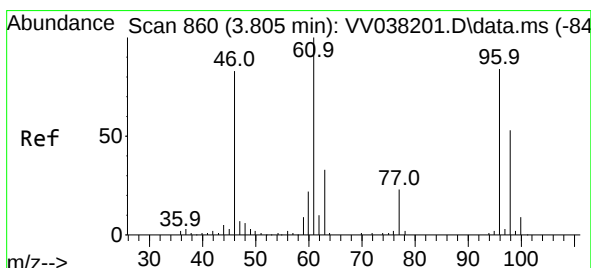
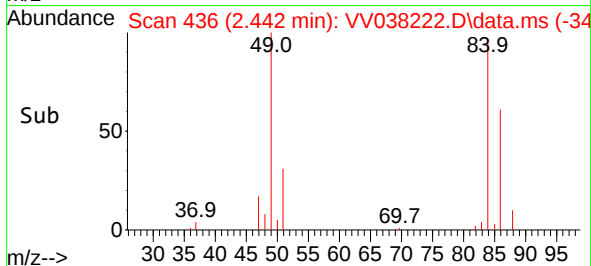
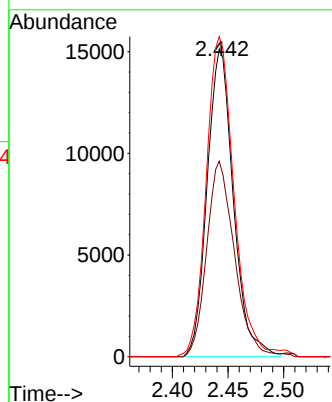
#16
Methylene chloride
Concen: 1.217 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV038222.D
Acq: 20 Nov 2024 17:58

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 24766

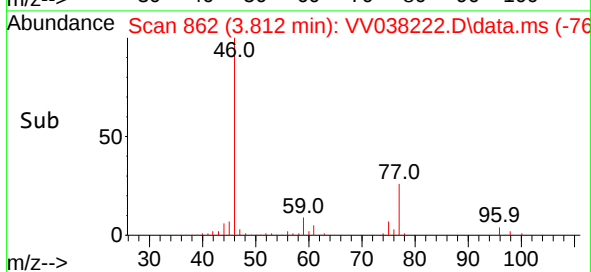
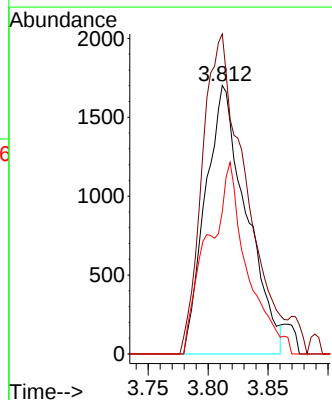
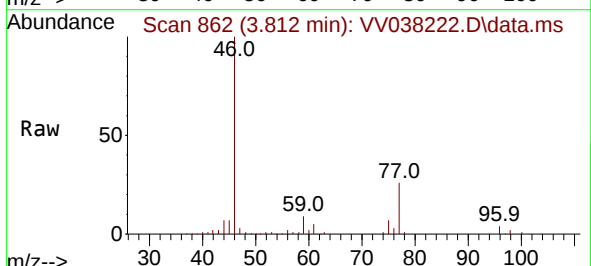
Ion	Ratio	Lower	Upper
84	100		
86	63.5	44.2	82.2
49	104.0	74.9	139.1

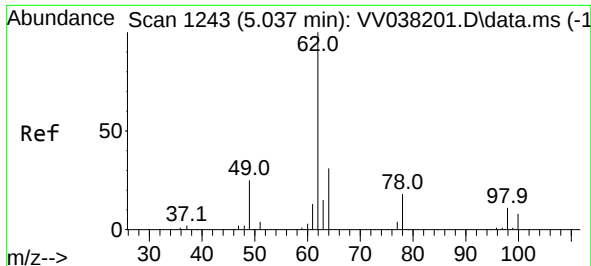


#22
cis-1,2-Dichloroethene
Concen: 0.207 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.006 min
Lab File: VV038222.D
Acq: 20 Nov 2024 17:58

Tgt Ion: 96 Resp: 4030

Ion	Ratio	Lower	Upper
96	100		
61	119.2	82.7	153.5
98	52.9	46.3	85.9

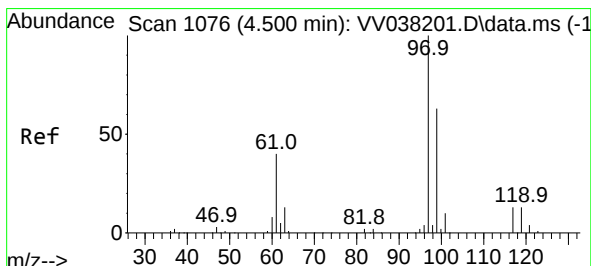
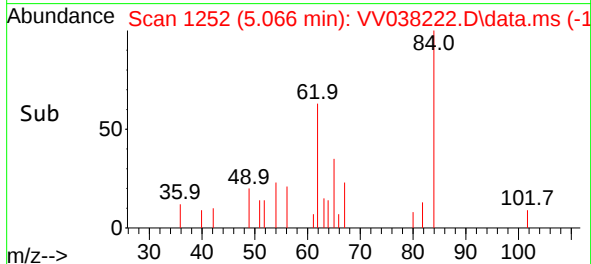
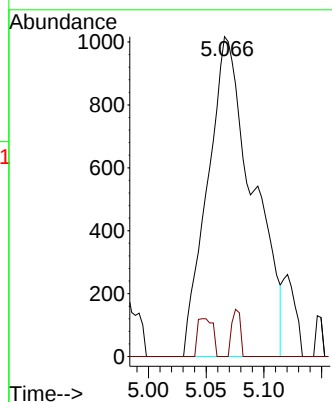
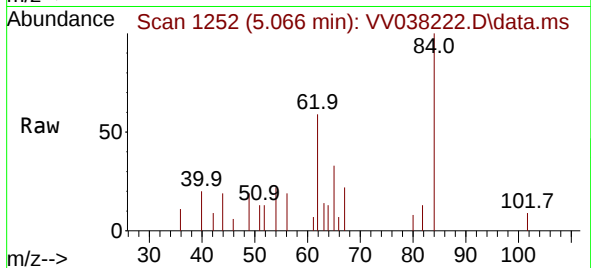




#27
1,2-Dichloroethane
Concen: 0.140 ug/L
RT: 5.066 min Scan# 11
Delta R.T. 0.029 min
Lab File: VV038222.D
Acq: 20 Nov 2024 17:58

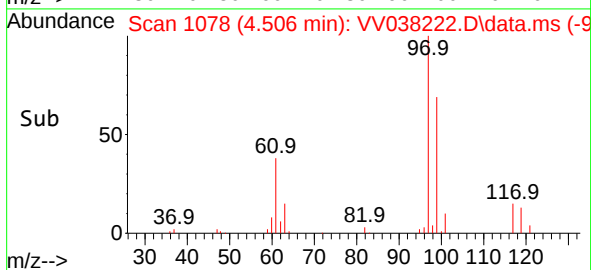
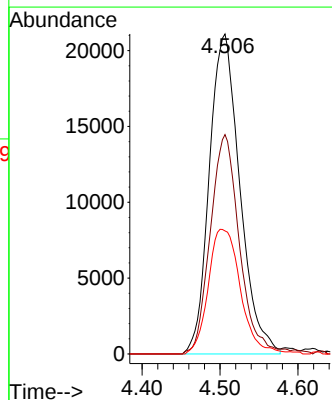
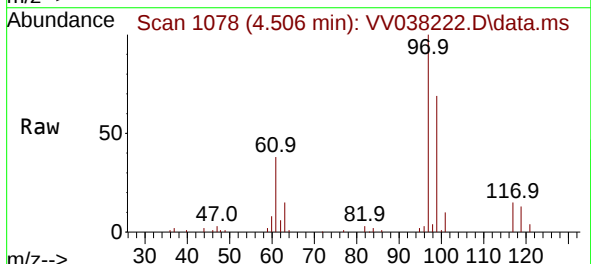
Instrument :
MSVOA_V
ClientSampleId :

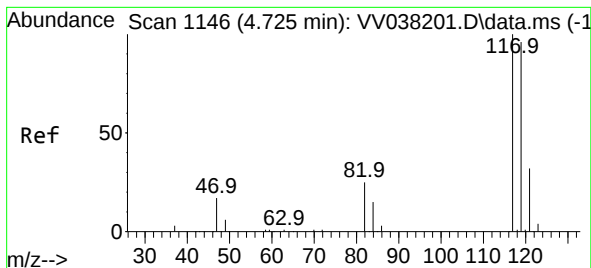
Tgt Ion: 62 Resp: 2772
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#29
1,1,1-Trichloroethane
Concen: 1.769 ug/L
RT: 4.506 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VV038222.D
Acq: 20 Nov 2024 17:58

Tgt Ion: 97 Resp: 57460
Ion Ratio Lower Upper
97 100
99 65.4 51.8 77.8
61 41.1 32.2 48.2





#31

Carbon tetrachloride

Concen: 0.279 ug/L

RT: 4.506 min Scan# 1146

Delta R.T. -0.219 min

Lab File: VV038222.D

Acq: 20 Nov 2024 17:58

Instrument :

MSVOA_V

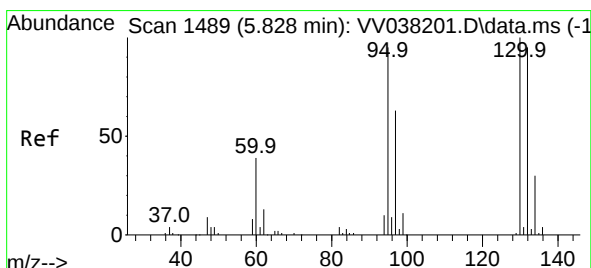
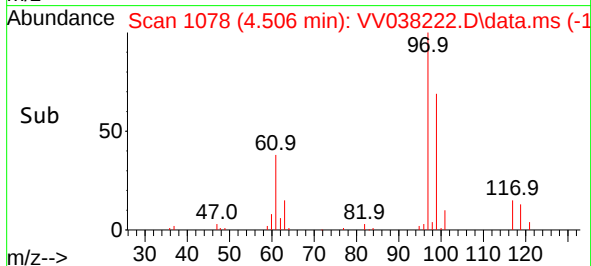
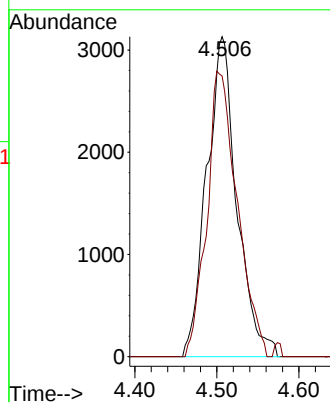
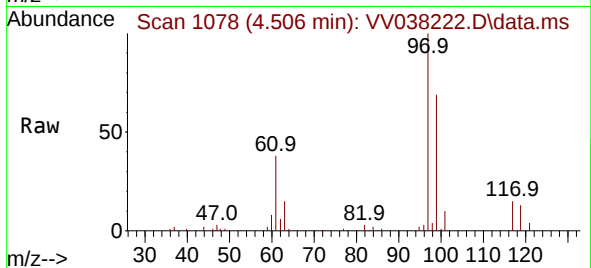
ClientSampleId :

Tgt Ion:117 Resp: 7993

Ion Ratio Lower Upper

117 100

119 90.1 77.4 116.2



#34

Trichloroethene

Concen: 5.486 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV038222.D

Acq: 20 Nov 2024 17:58

Tgt Ion: 95 Resp: 113783

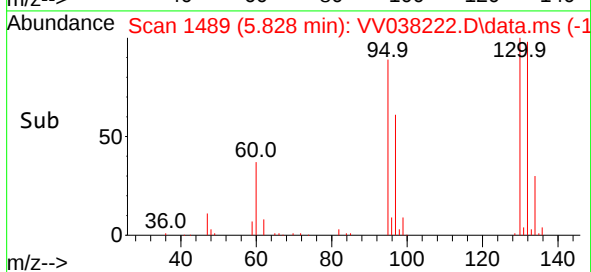
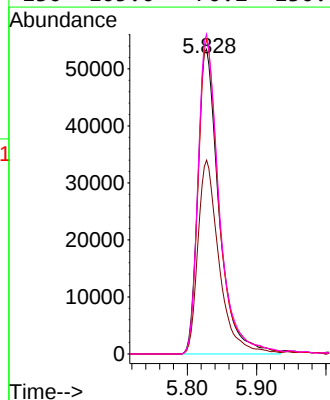
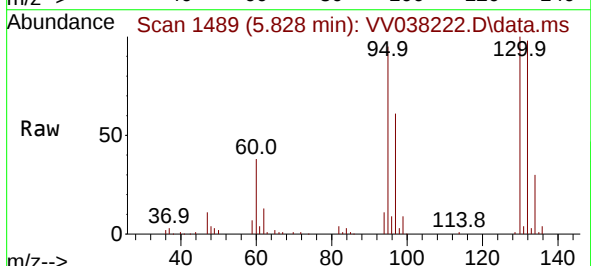
Ion Ratio Lower Upper

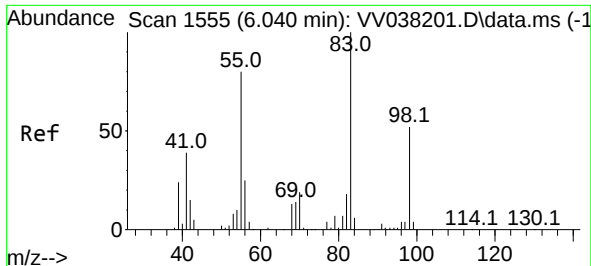
95 100

97 63.6 44.8 83.2

132 103.3 68.3 126.8

130 105.0 70.2 130.4

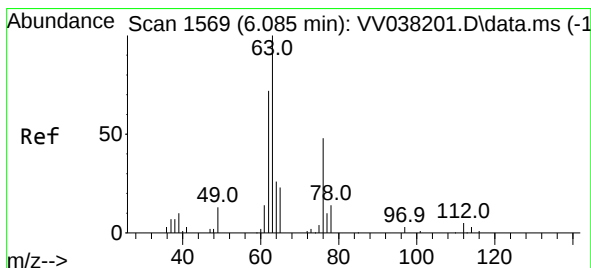
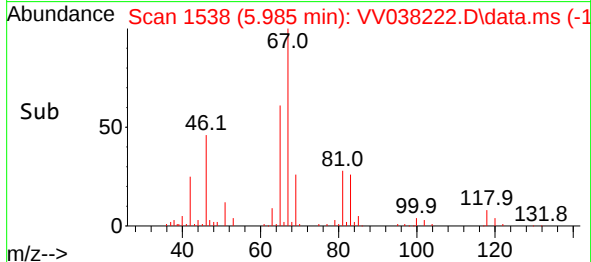
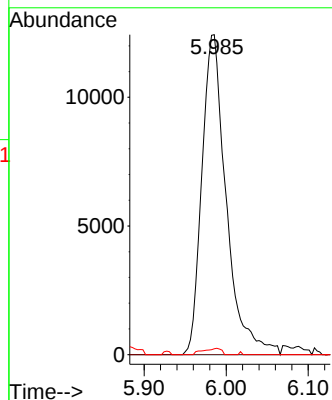
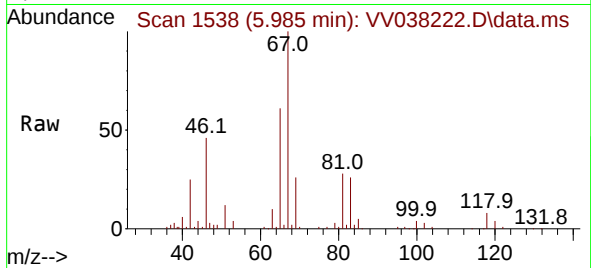




#35
Methylcyclohexane
Concen: 0.876 ug/L
RT: 5.985 min Scan# 1538
Delta R.T. -0.055 min
Lab File: VV038222.D
Acq: 20 Nov 2024 17:58

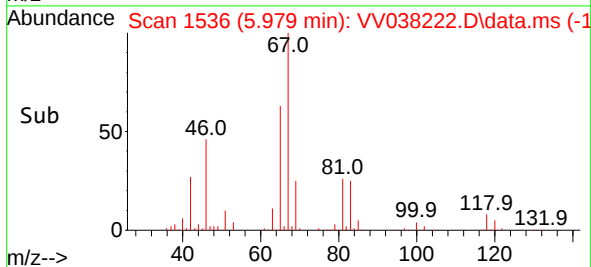
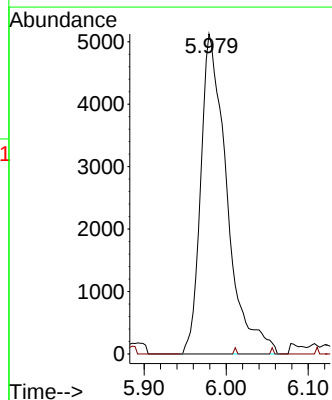
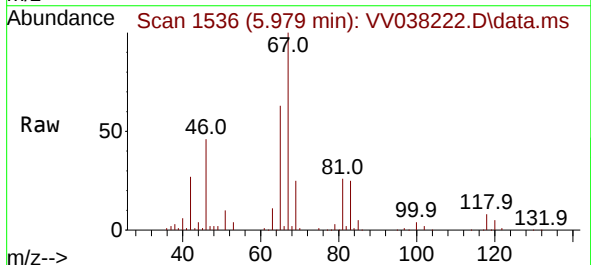
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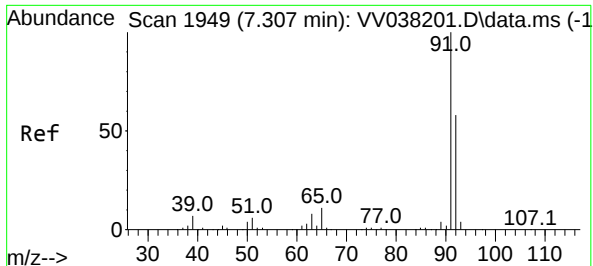
Tgt Ion: 83 Resp: 25698
Ion Ratio Lower Upper
83 100
55 0.0 59.7 89.5#
98 1.5 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.594 ug/L
RT: 5.979 min Scan# 1536
Delta R.T. -0.106 min
Lab File: VV038222.D
Acq: 20 Nov 2024 17:58

Tgt Ion: 63 Resp: 11325
Ion Ratio Lower Upper
63 100
112 0.2 3.9 5.9#

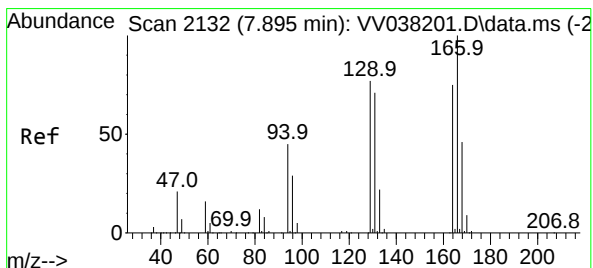
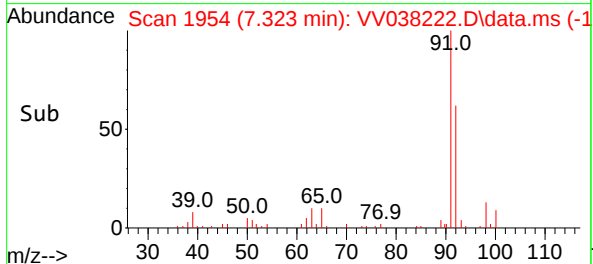
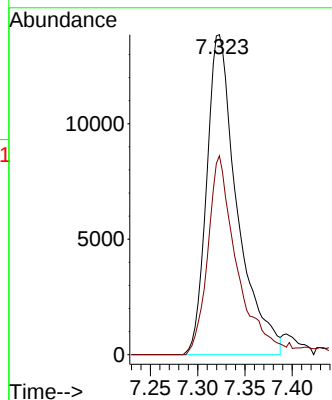
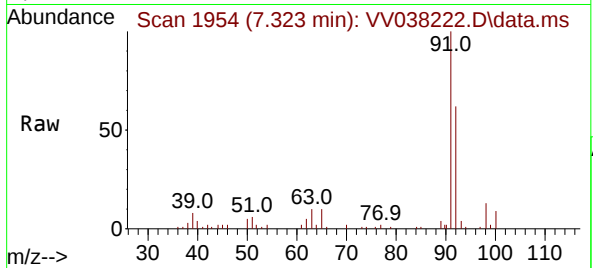




#42
Toluene
Concen: 0.385 ug/L
RT: 7.323 min Scan# 1949
Delta R.T. 0.016 min
Lab File: VV038222.D
Acq: 20 Nov 2024 17:58

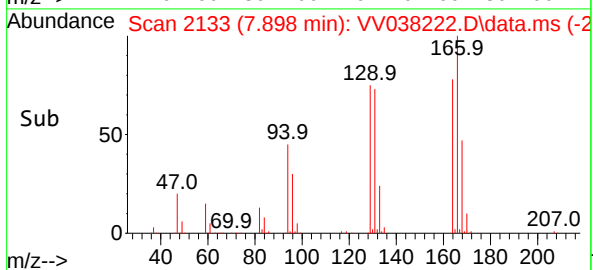
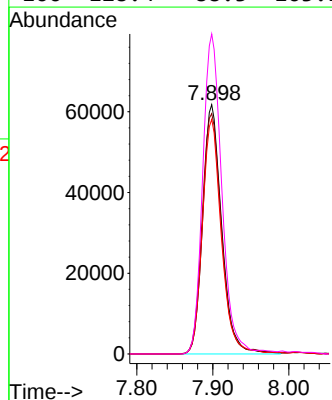
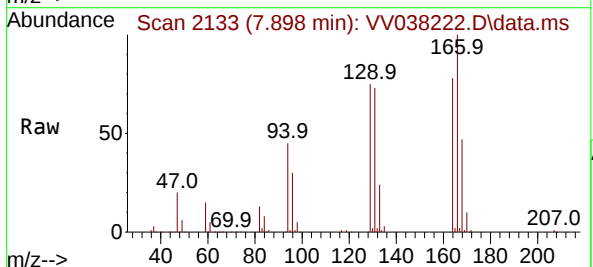
Instrument :
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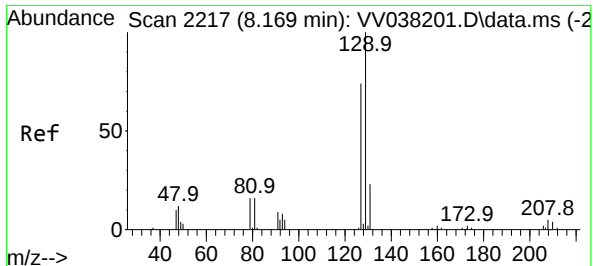
Tgt Ion: 91 Resp: 31051
Ion Ratio Lower Upper
91 100
92 62.1 40.8 75.8



#47
Tetrachloroethene
Concen: 6.422 ug/L
RT: 7.898 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV038222.D
Acq: 20 Nov 2024 17:58

Tgt Ion: 164 Resp: 107043
Ion Ratio Lower Upper
164 100
129 96.4 68.5 127.1
131 94.1 64.8 120.4
166 128.4 88.3 163.9





#49

Dibromochloromethane

Concen: 5.837 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. -0.270 min

Lab File: VV038222.D

Acq: 20 Nov 2024 17:58

Instrument :

MSVOA_V

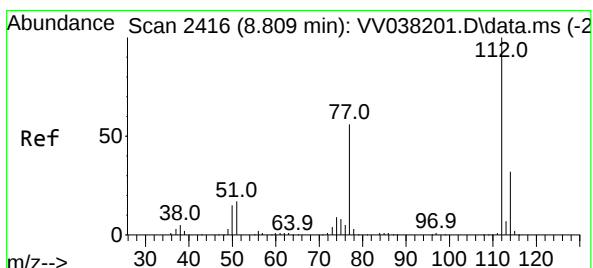
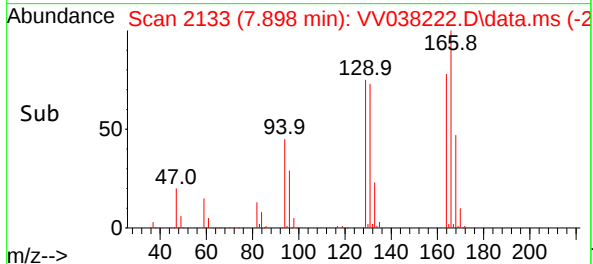
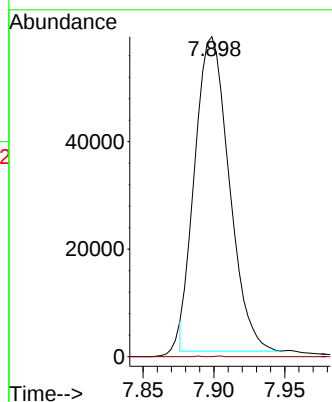
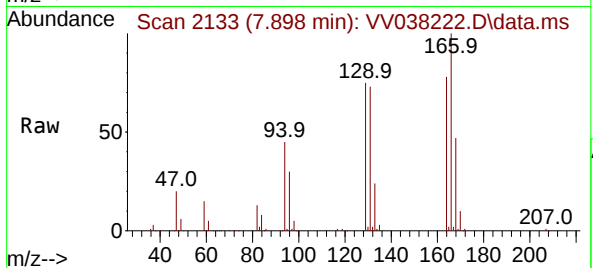
ClientSampleId :

Tgt Ion:129 Resp: 98372

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#51

Chlorobenzene

Concen: 0.322 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.006 min

Lab File: VV038222.D

Acq: 20 Nov 2024 17:58

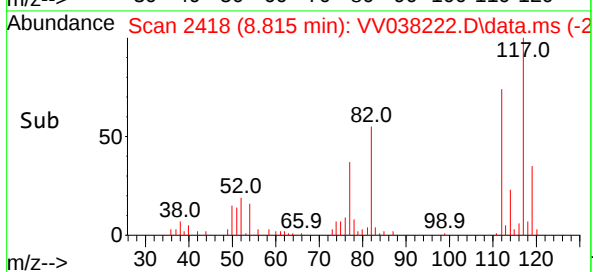
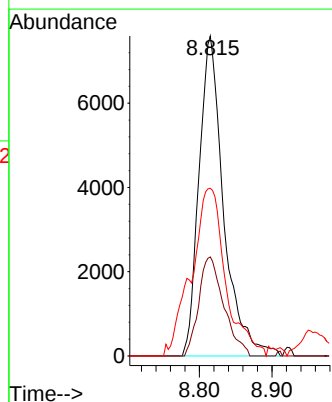
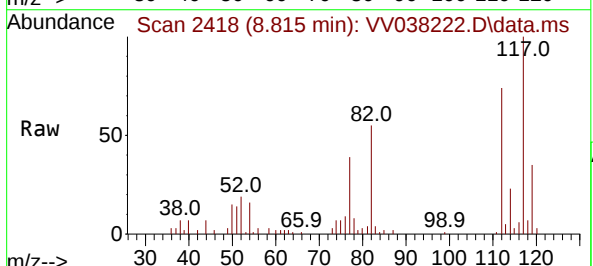
Tgt Ion:112 Resp: 17903

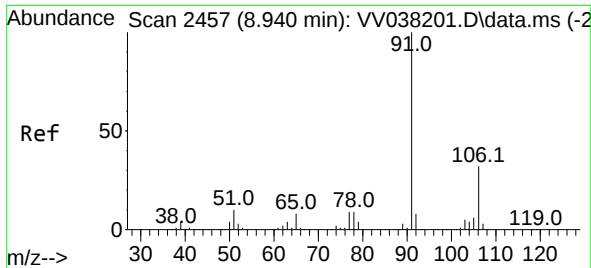
Ion Ratio Lower Upper

112 100

114 30.9 22.0 40.8

77 52.4 45.0 67.4

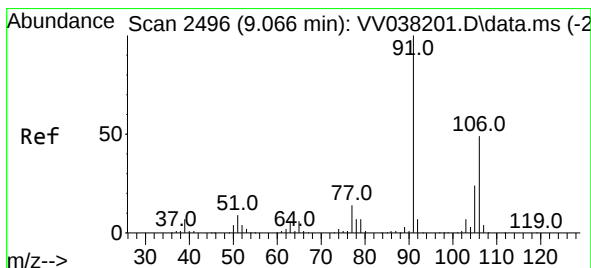
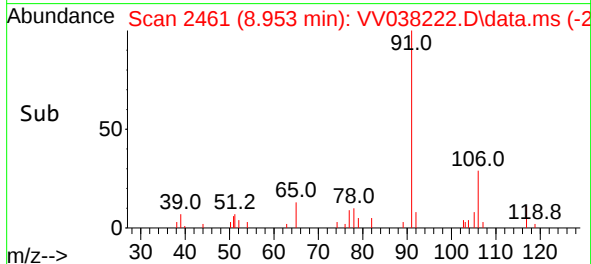
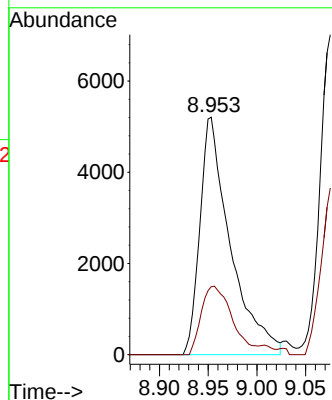
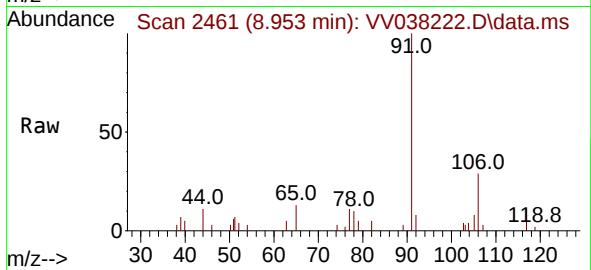




#52
Ethylbenzene
Concen: 0.132 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.013 min
Lab File: VV038222.D
Acq: 20 Nov 2024 17:58

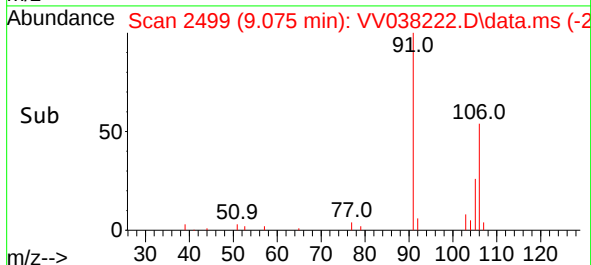
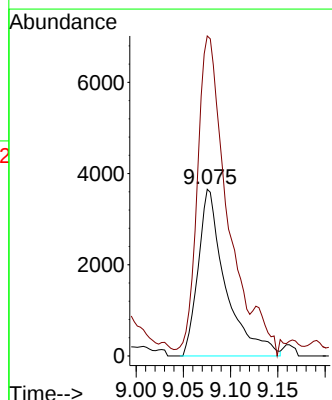
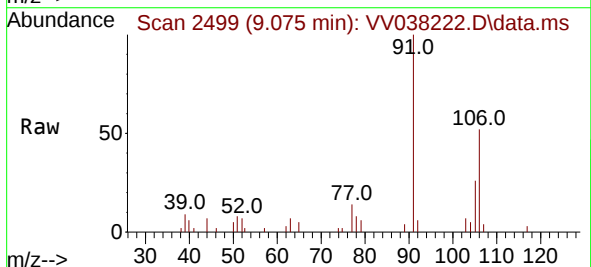
Instrument :
MSVOA_V
ClientSampleId :

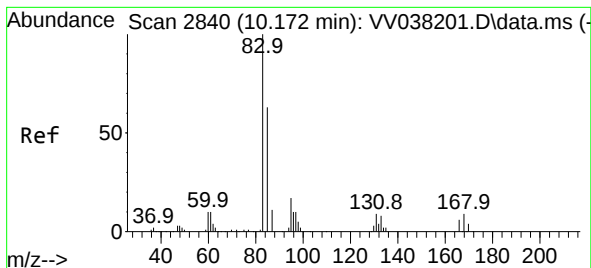
Tgt Ion: 91 Resp: 11298
Ion Ratio Lower Upper
91 100
106 28.6 21.8 40.4



#53
m,p-Xylene
Concen: 0.228 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.010 min
Lab File: VV038222.D
Acq: 20 Nov 2024 17:58

Tgt Ion: 106 Resp: 7354
Ion Ratio Lower Upper
106 100
91 191.9 138.7 257.5





#57

1,1,2,2-Tetrachloroethane

Concen: 0.153 ug/L

RT: 10.172 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV038222.D

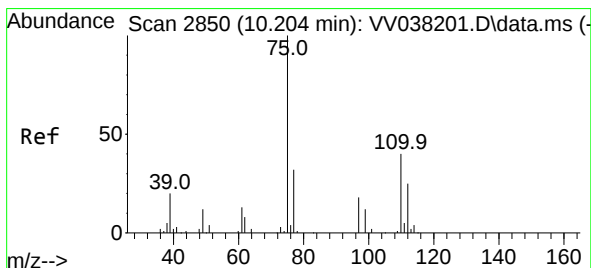
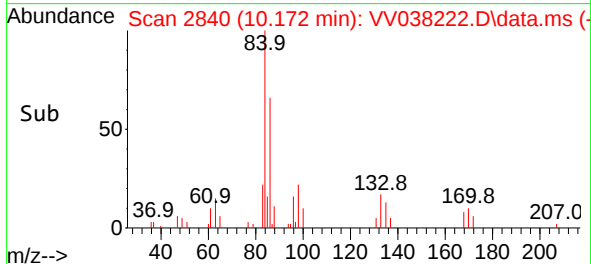
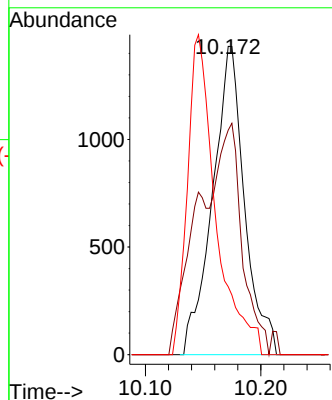
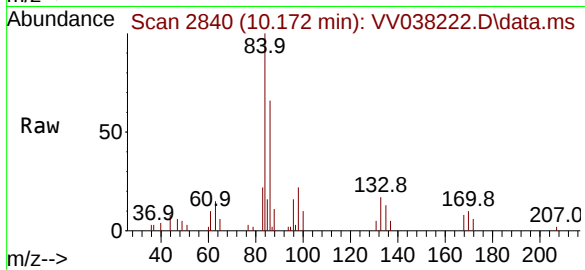
Acq: 20 Nov 2024 17:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	2761
Ion	Ratio	Lower	Upper
83	100		
85	72.8	45.7	84.9
131	22.1	8.2	12.4#



#61

1,2,3-Trichloropropane

Concen: 1.302 ug/L

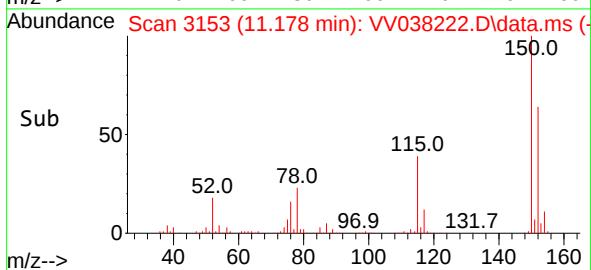
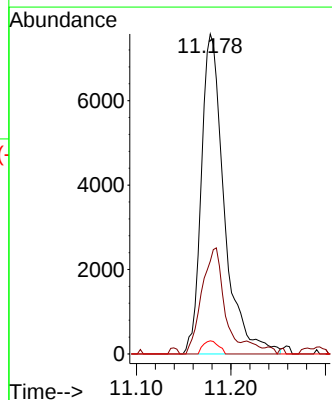
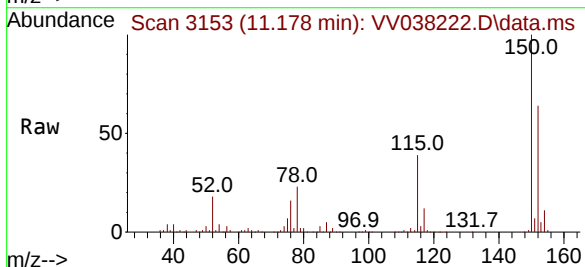
RT: 11.178 min Scan# 3153

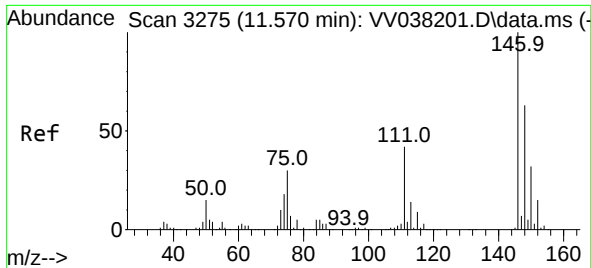
Delta R.T. 0.974 min

Lab File: VV038222.D

Acq: 20 Nov 2024 17:58

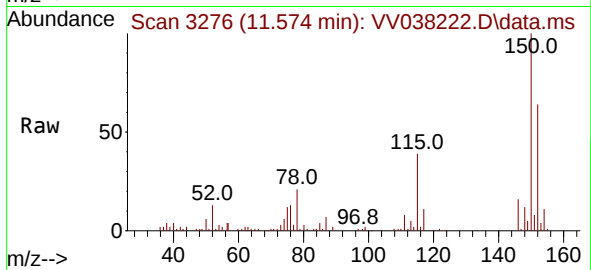
Tgt Ion:	75	Resp:	12770
Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.4	39.6
110	2.7	32.3	48.5#





#67
 1,2-Dichlorobenzene
 Concen: 0.239 ug/L
 RT: 11.574 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV038222.D
 Acq: 20 Nov 2024 17:58

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	146	Resp:	7852
Ion	Ratio	Lower	Upper
146	100		
111	49.5	34.2	51.2
148	70.4	51.0	76.4

