

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112124\
 Data File : VV038238.D
 Acq On : 21 Nov 2024 13:58
 Operator : SY/MD
 Sample : P4883-19
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:45:59 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	253243	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	271711	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	115660	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	68184	3.513	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.200%
7) Chloroethane-d5	1.526	69	68870	4.386	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	2.053	65	32343	3.872	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.400%
20) 2-Butanone-d5	3.777	46	194812	50.170	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.340%
24) Chloroform-d	4.240	84	167608	4.449	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	4.937	65	82302	4.869	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	4.953	84	292005	4.158	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	5.982	67	99719	4.615	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.240	98	233358	3.591	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.800%
43) trans-1,3-Dichloroprop...	7.558	79	29624	3.687	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.800%
46) 2-Hexanone-d5	8.018	63	155570	49.814	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.620%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	86198	4.699	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.000%
66) 1,2-Dichlorobenzene-d4	11.555	152	96440	4.894	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.211	50	9947	0.482	ug/L	95
9) Trichlorofluoromethane	1.709	101	7470	0.225	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	3994	0.210	ug/L #	77
16) Methylene chloride	2.442	84	17108	0.829	ug/L	93
17) Methyl tert-butyl Ether	2.696	73	7120	0.174	ug/L #	92
19) 1,1-Dichloroethane	3.108	63	4407	0.127	ug/L #	91
22) cis-1,2-Dichloroethene	3.806	96	79976	4.059	ug/L	93
25) Chloroform	4.278	83	9893	0.267	ug/L	97
27) 1,2-Dichloroethane	5.072	62	2450	0.122	ug/L	95
29) 1,1,1-Trichloroethane	4.503	97	22481	0.690	ug/L	100
34) Trichloroethene	5.822	95	842108	40.475	ug/L	99
35) Methylcyclohexane	5.982	83	26252	0.892	ug/L #	19
42) Toluene	7.323	91	13898	0.172	ug/L	99
47) Tetrachloroethene	7.895	164	125955	7.534	ug/L	98
49) Dibromochloromethane	7.899	129	116855	6.913	ug/L #	11
51) Chlorobenzene	8.818	112	8051	0.145	ug/L	89
53) m,p-Xylene	9.088	106	3217	0.099	ug/L	82
61) 1,2,3-Trichloropropane	11.178	75	12990	1.312	ug/L #	65

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QLast Update : Fri Nov 22 01:41:27 2024
Response via : Initial Calibration

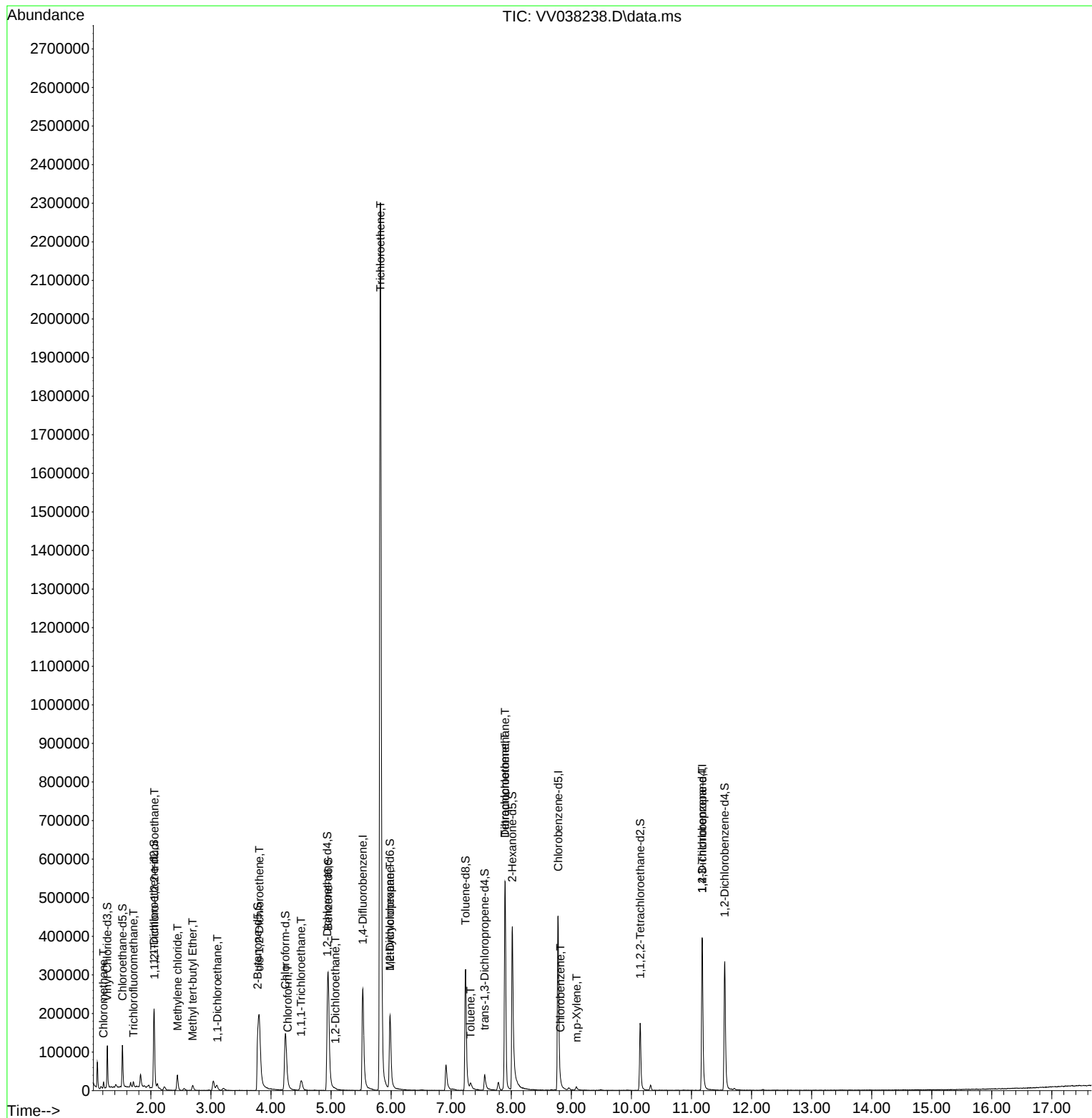
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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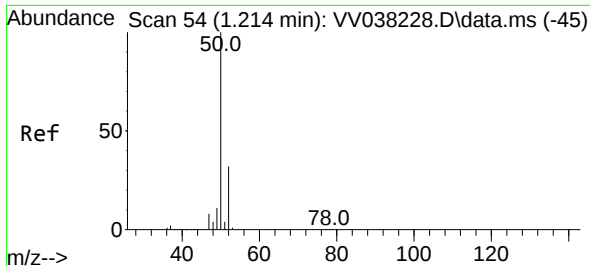
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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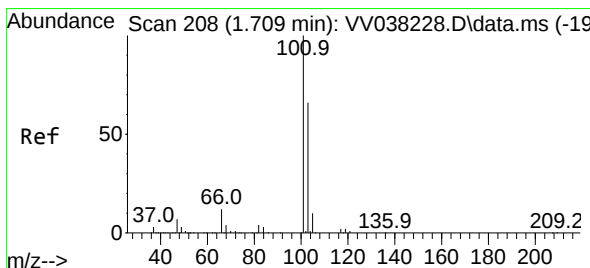
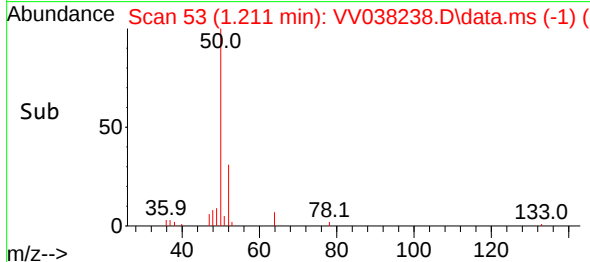
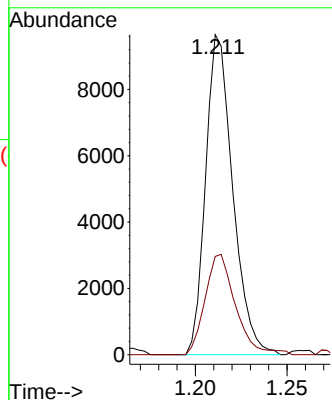
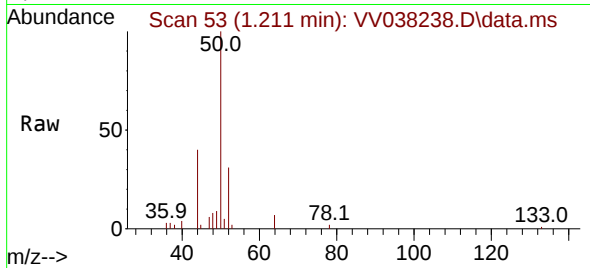




#3
Chloromethane
Concen: 0.482 ug/L
RT: 1.211 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV038238.D
Acq: 21 Nov 2024 13:58

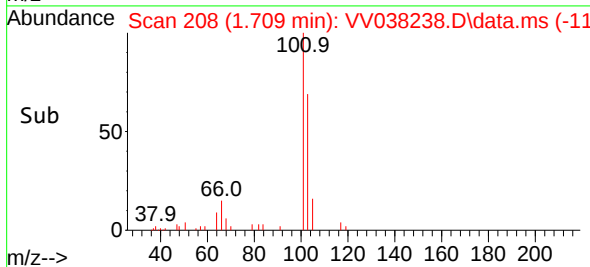
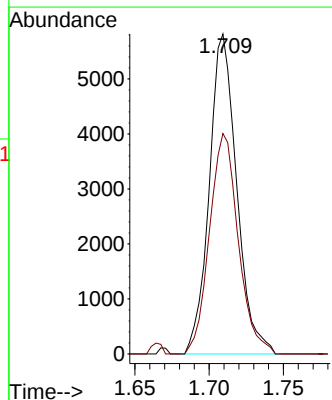
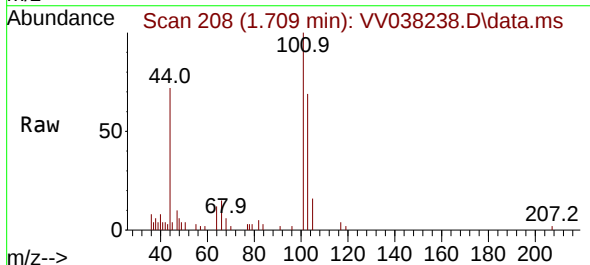
Instrument :
MSVOA_V
ClientSampleId :

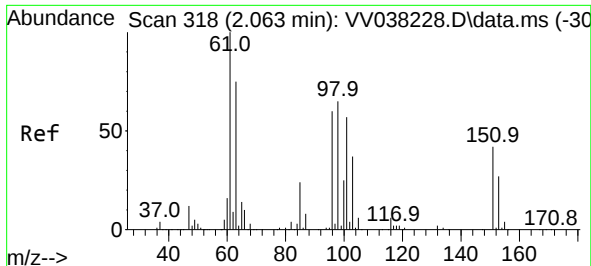
Tgt Ion: 50 Resp: 9947
Ion Ratio Lower Upper
50 100
52 30.7 23.5 43.7



#9
Trichlorofluoromethane
Concen: 0.225 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV038238.D
Acq: 21 Nov 2024 13:58

Tgt Ion: 101 Resp: 7470
Ion Ratio Lower Upper
101 100
103 72.3 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.210 ug/L

RT: 2.060 min Scan# 318

Delta R.T. -0.003 min

Lab File: VV038238.D

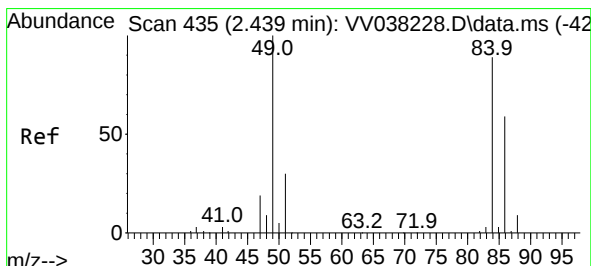
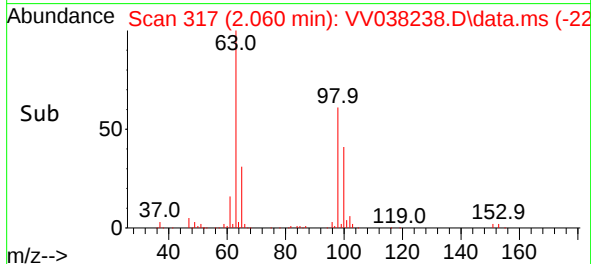
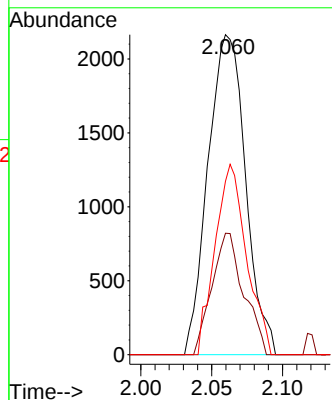
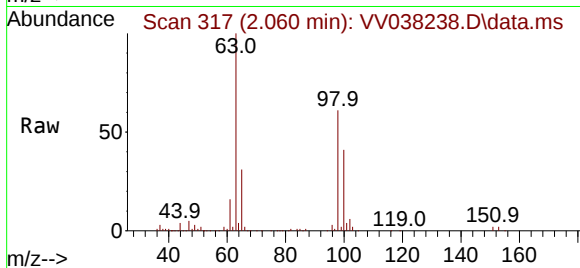
Acq: 21 Nov 2024 13:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:101	Resp:	3994
Ion Ratio	Lower	Upper
101	100	
85	32.1	33.4 50.0#
151	49.8	58.8 88.2#



#16

Methylene chloride

Concen: 0.829 ug/L

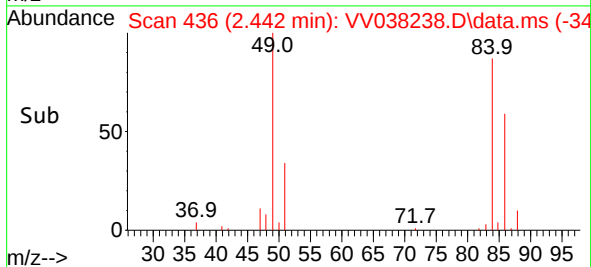
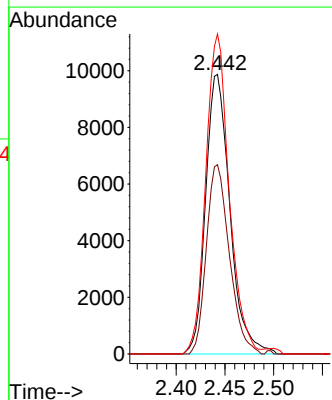
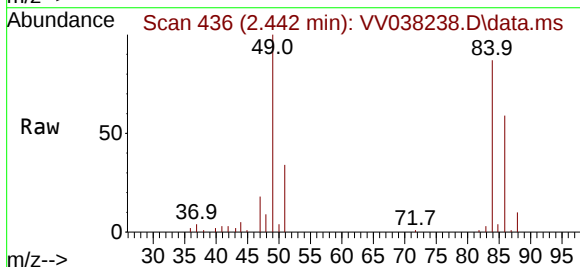
RT: 2.442 min Scan# 436

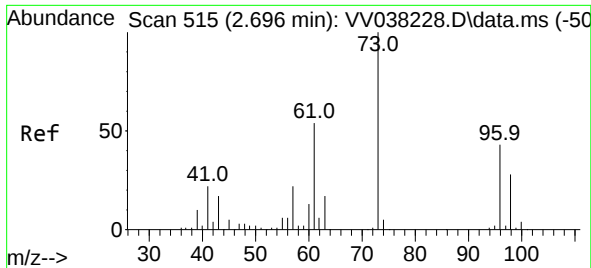
Delta R.T. 0.003 min

Lab File: VV038238.D

Acq: 21 Nov 2024 13:58

Tgt Ion: 84	Resp:	17108
Ion Ratio	Lower	Upper
84	100	
86	67.7	44.2 82.2
49	114.5	74.9 139.1

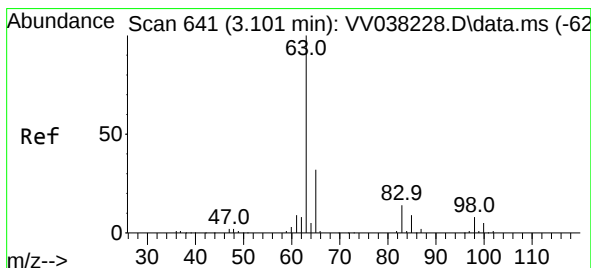
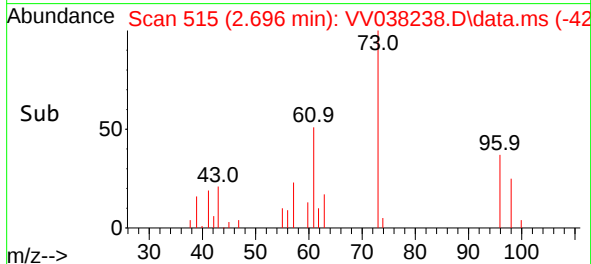
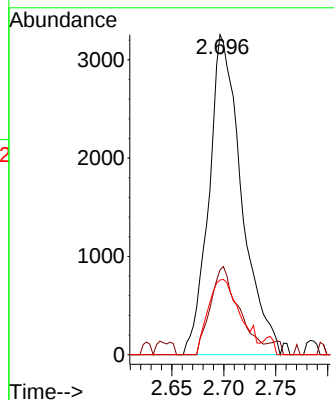
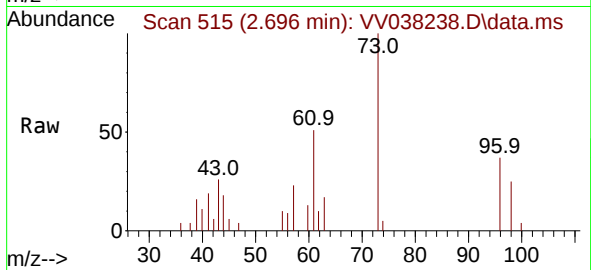




#17
Methyl tert-butyl Ether
Concen: 0.174 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV038238.D
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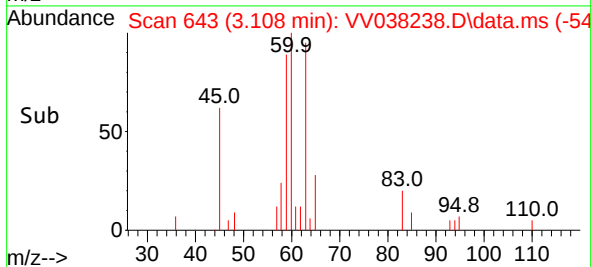
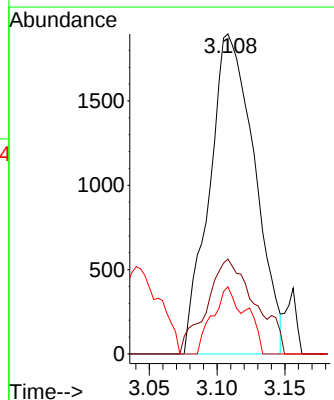
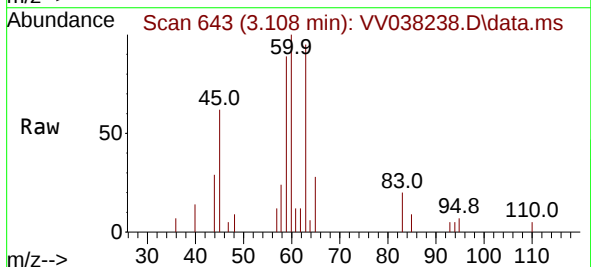
Instrument :
MSVOA_V
ClientSampleId :

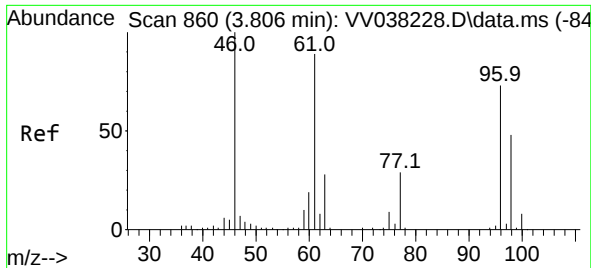
Tgt Ion: 73 Resp: 7120
Ion Ratio Lower Upper
73 100
43 24.3 14.2 21.2#
57 23.1 17.6 26.4



#19
1,1-Dichloroethane
Concen: 0.127 ug/L
RT: 3.108 min Scan# 643
Delta R.T. 0.007 min
Lab File: VV038238.D
Acq: 21 Nov 2024 13:58

Tgt Ion: 63 Resp: 4407
Ion Ratio Lower Upper
63 100
65 27.8 22.5 41.7
83 19.7 10.1 18.9#

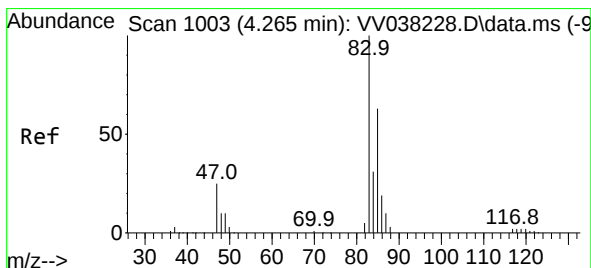
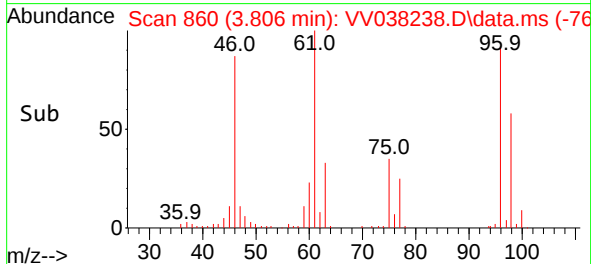
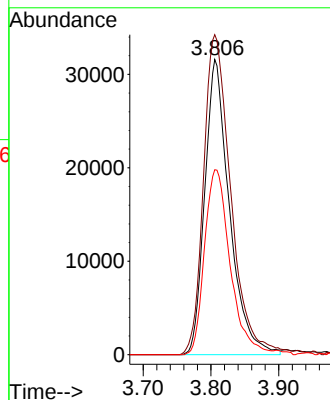
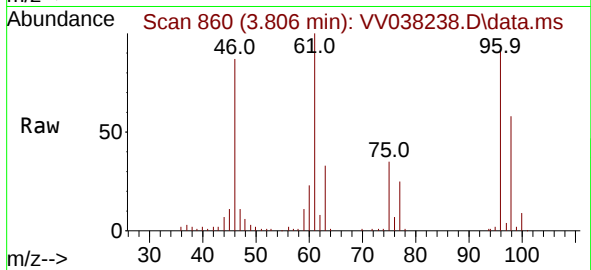




#22
 cis-1,2-Dichloroethene
 Concen: 4.059 ug/L
 RT: 3.806 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV038238.D
 Acq: 21 Nov 2024 13:58

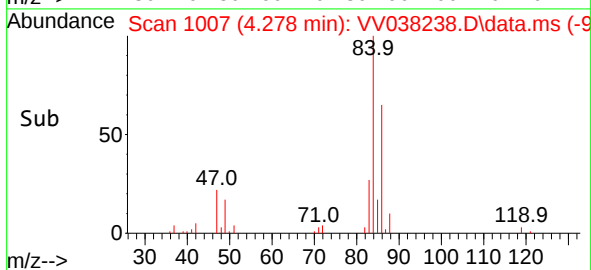
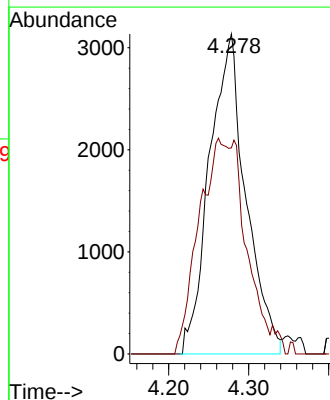
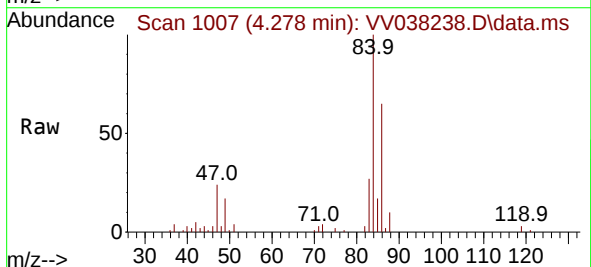
Instrument :
 MSVOA_V
 ClientSampleId :

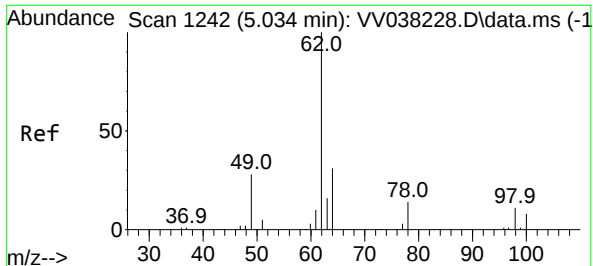
Tgt Ion: 96 Resp: 79976
 Ion Ratio Lower Upper
 96 100
 61 108.4 82.7 153.5
 98 62.6 46.3 85.9



#25
 Chloroform
 Concen: 0.267 ug/L
 RT: 4.278 min Scan# 1007
 Delta R.T. 0.013 min
 Lab File: VV038238.D
 Acq: 21 Nov 2024 13:58

Tgt Ion: 83 Resp: 9893
 Ion Ratio Lower Upper
 83 100
 85 64.4 46.5 86.3





#27

1,2-Dichloroethane

Concen: 0.122 ug/L

RT: 5.072 min Scan# 11

Delta R.T. 0.039 min

Lab File: VV038238.D

Acq: 21 Nov 2024 13:58

Instrument :

MSVOA_V

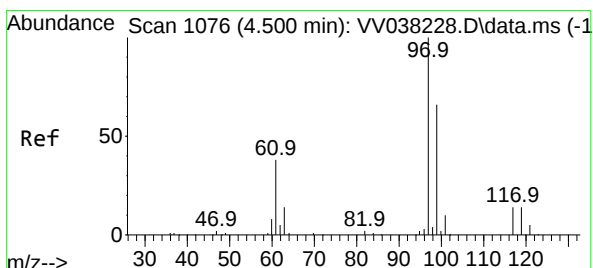
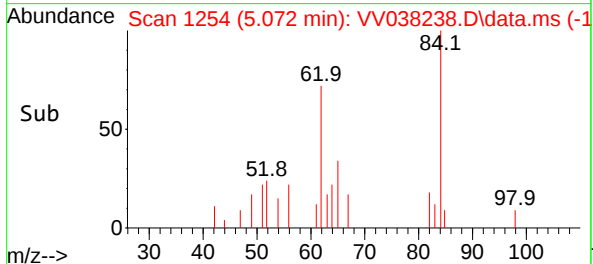
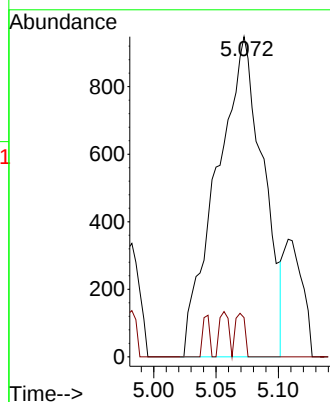
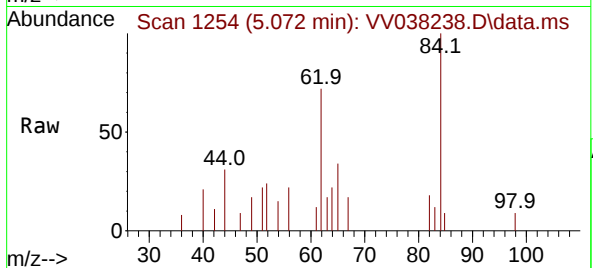
ClientSampleId :

Tgt Ion: 62 Resp: 2450

Ion Ratio Lower Upper

62 100

98 12.2 8.2 12.4



#29

1,1,1-Trichloroethane

Concen: 0.690 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV038238.D

Acq: 21 Nov 2024 13:58

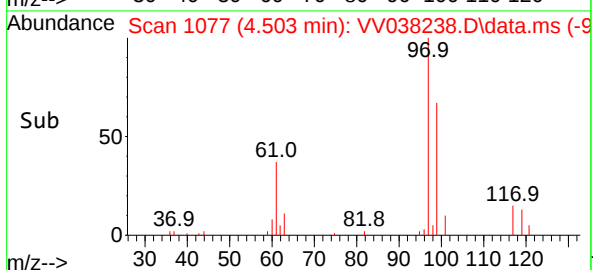
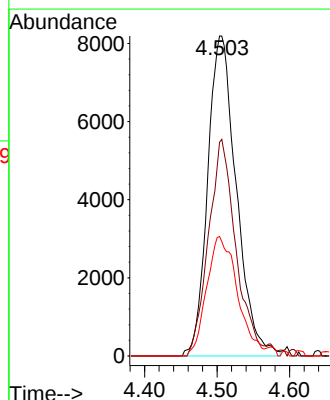
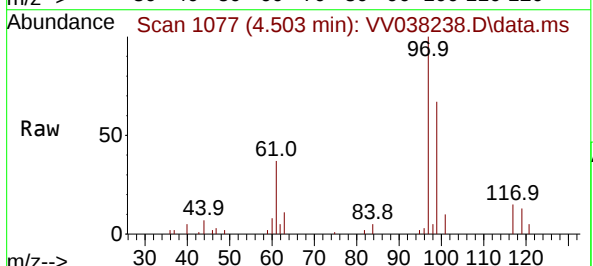
Tgt Ion: 97 Resp: 22481

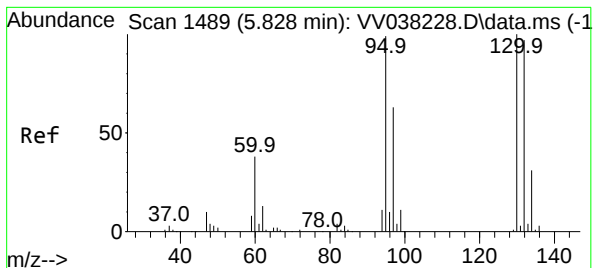
Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.8

61 40.0 32.2 48.2





#34

Trichloroethene

Concen: 40.475 ug/L

RT: 5.822 min Scan# 1489

Delta R.T. -0.006 min

Lab File: VV038238.D

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Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 842108

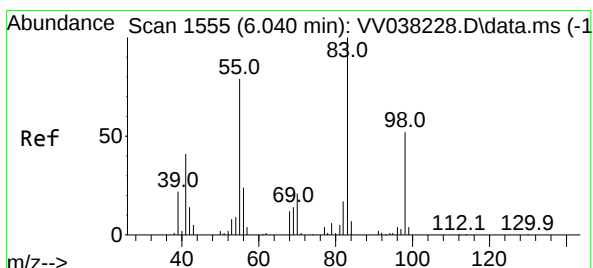
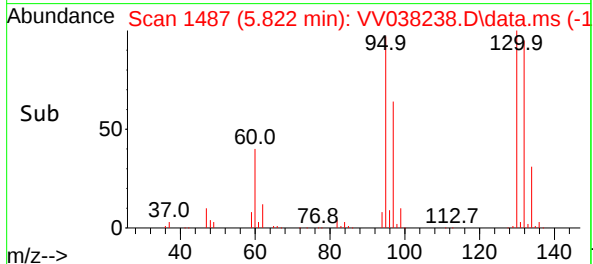
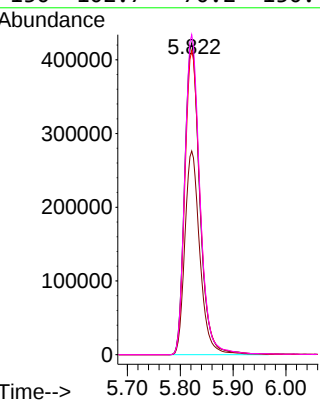
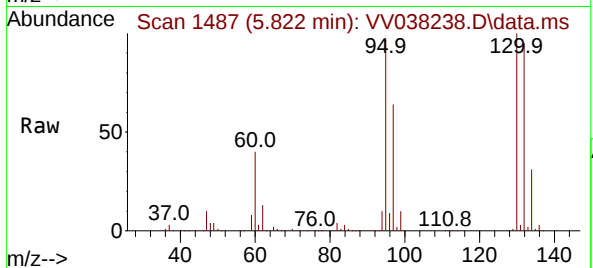
Ion Ratio Lower Upper

95 100

97 65.4 44.8 83.2

132 97.6 68.3 126.8

130 102.7 70.2 130.4



#35

Methylcyclohexane

Concen: 0.892 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038238.D

Acq: 21 Nov 2024 13:58

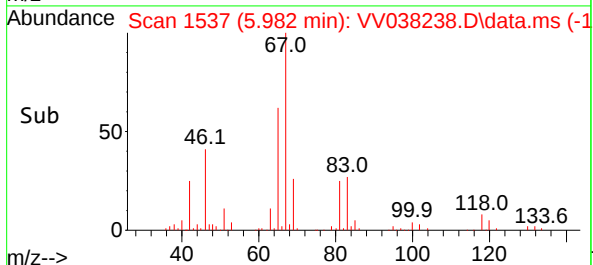
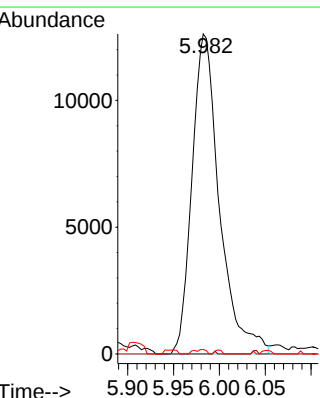
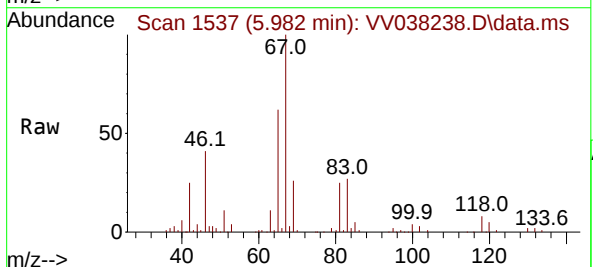
Tgt Ion: 83 Resp: 26252

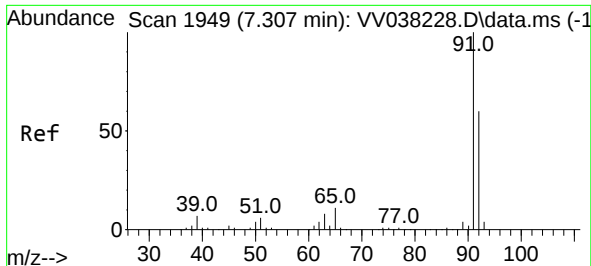
Ion Ratio Lower Upper

83 100

55 0.1 59.7 89.5#

98 0.0 39.0 58.4#





#42

Toluene

Concen: 0.172 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.016 min

Lab File: VV038238.D

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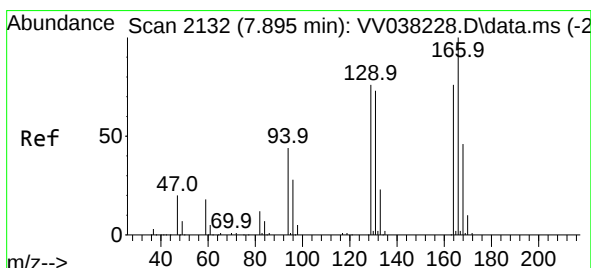
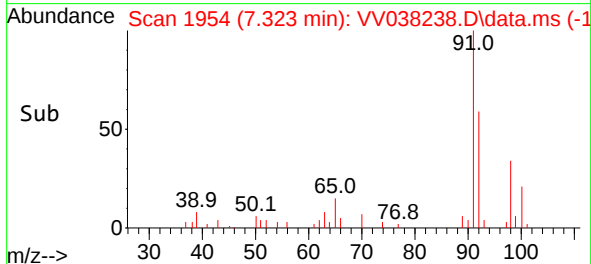
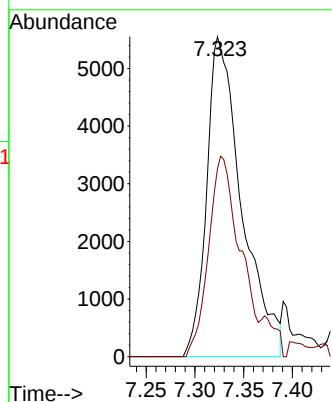
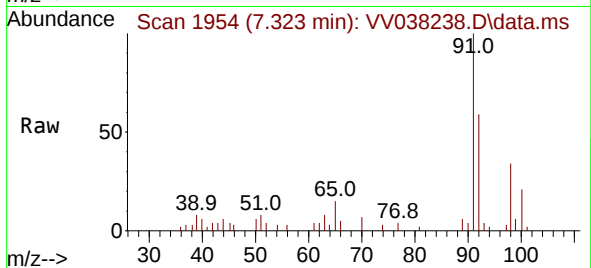
ClientSampleId :

Tgt Ion: 91 Resp: 13898

Ion Ratio Lower Upper

91 100

92 58.8 40.8 75.8



#47

Tetrachloroethene

Concen: 7.534 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. 0.000 min

Lab File: VV038238.D

Acq: 21 Nov 2024 13:58

Tgt Ion: 164 Resp: 125955

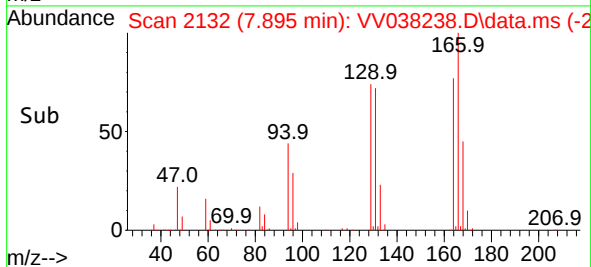
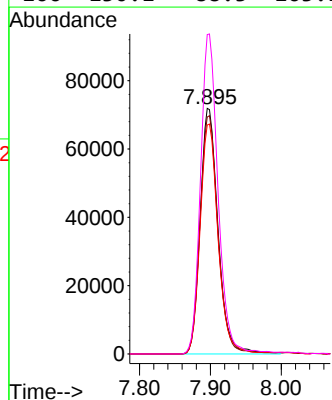
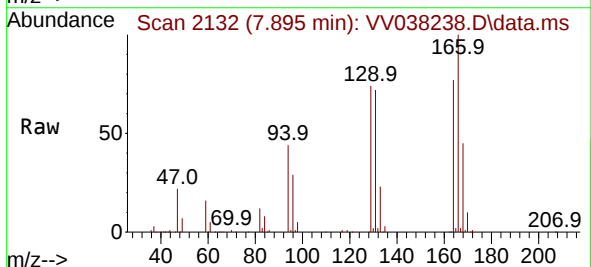
Ion Ratio Lower Upper

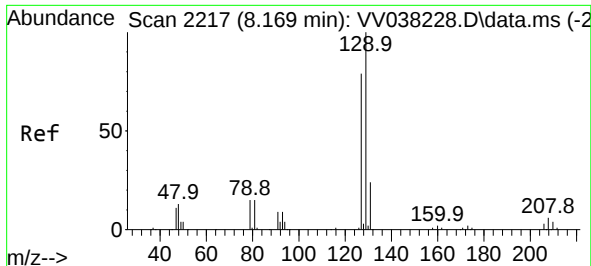
164 100

129 96.5 68.5 127.1

131 93.3 64.8 120.4

166 130.1 88.3 163.9





#49

Dibromochloromethane

Concen: 6.913 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.270 min

Lab File: VV038238.D

Acq: 21 Nov 2024 13:58

Instrument :

MSVOA_V

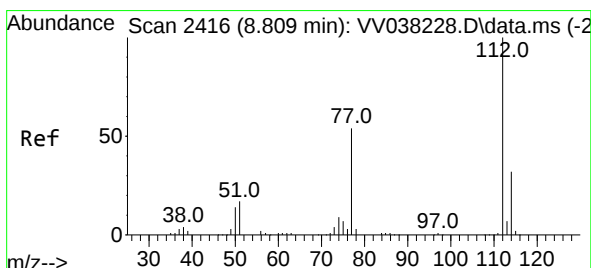
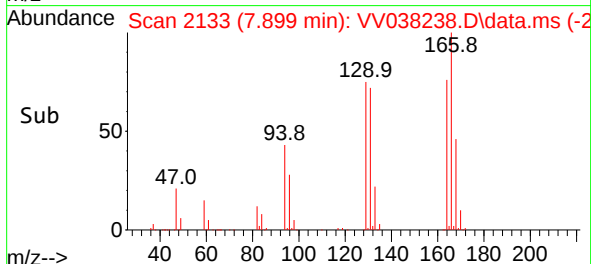
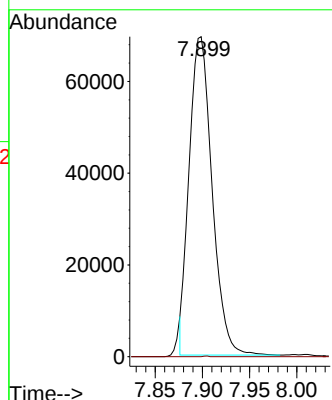
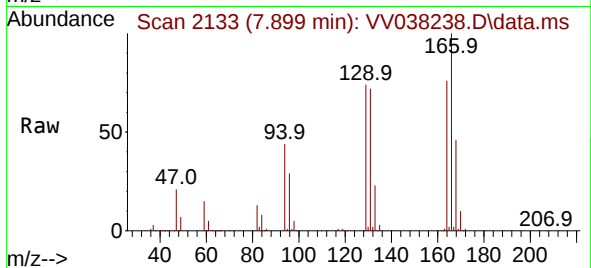
ClientSampleId :

Tgt Ion:129 Resp: 116855

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#51

Chlorobenzene

Concen: 0.145 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.010 min

Lab File: VV038238.D

Acq: 21 Nov 2024 13:58

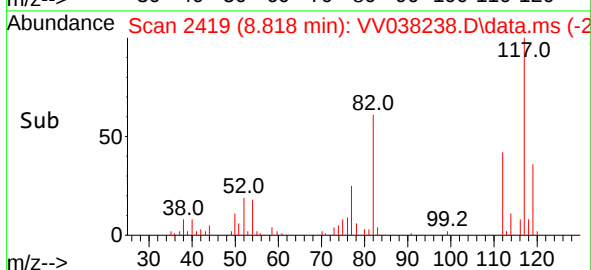
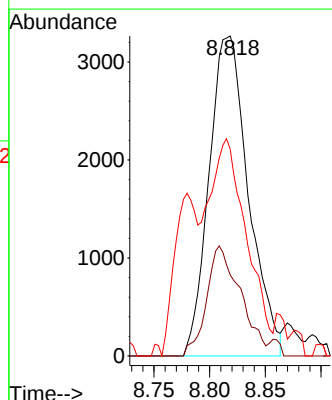
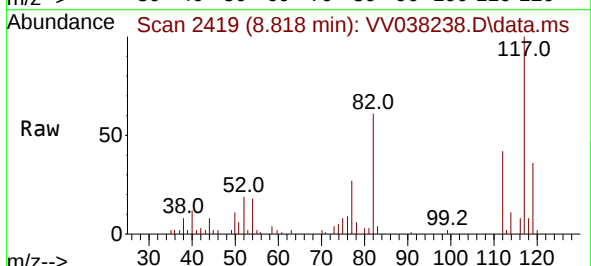
Tgt Ion:112 Resp: 8051

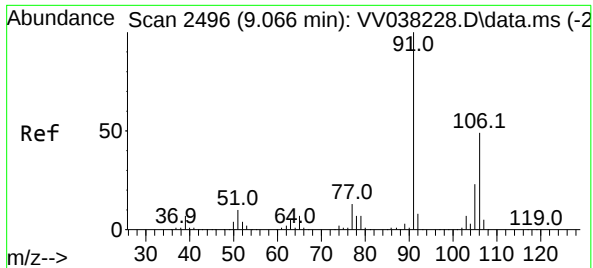
Ion Ratio Lower Upper

112 100

114 25.4 22.0 40.8

77 64.7 45.0 67.4

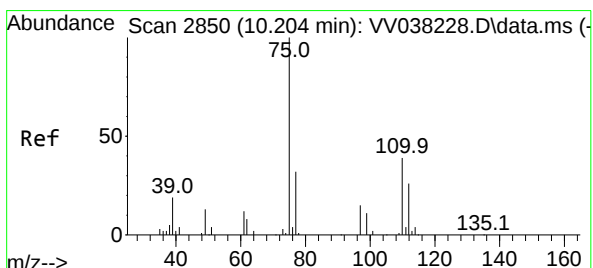
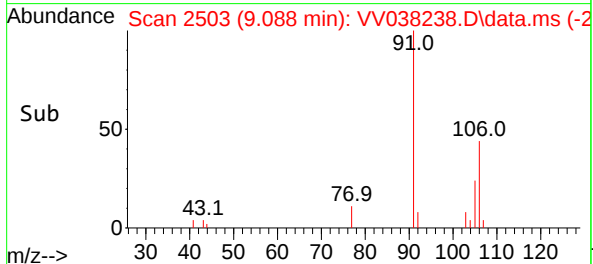
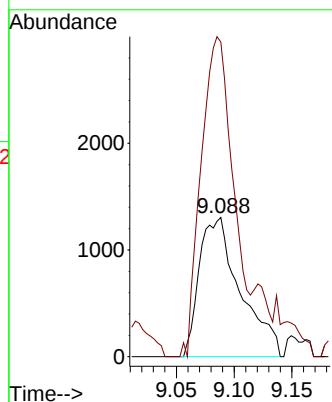
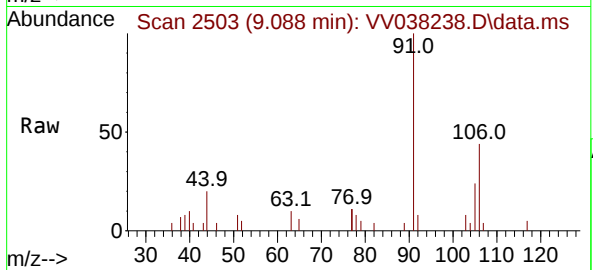




#53
 m,p-Xylene
 Concen: 0.099 ug/L
 RT: 9.088 min Scan# 21
 Delta R.T. 0.023 min
 Lab File: VV038238.D
 Acq: 21 Nov 2024 13:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion:106 Resp: 3217
 Ion Ratio Lower Upper
 106 100
 91 225.9 138.7 257.5



#61
 1,2,3-Trichloropropane
 Concen: 1.312 ug/L
 RT: 11.178 min Scan# 3153
 Delta R.T. 0.974 min
 Lab File: VV038238.D
 Acq: 21 Nov 2024 13:58

Tgt Ion: 75 Resp: 12990
 Ion Ratio Lower Upper
 75 100
 77 34.5 26.4 39.6
 110 1.9 32.3 48.5#

