

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112124\
 Data File : VV038254.D
 Acq On : 21 Nov 2024 22:54
 Operator : SY/MD
 Sample : P4884-03
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:53:17 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	5.526	114	244187	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	259410	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	109966	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	70389	3.761	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.200%
7) Chloroethane-d5	1.529	69	70298	4.643	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.800%
11) 1,1-Dichloroethene-d2	2.053	65	30678	3.809	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.200%
20) 2-Butanone-d5	3.783	46	154385	41.233	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.460%
24) Chloroform-d	4.236	84	161980	4.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	4.934	65	77581	4.760	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	4.950	84	286351	4.271	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
36) 1,2-Dichloropropane-d6	5.979	67	93286	4.522	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.236	98	219194	3.533	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.600%
43) trans-1,3-Dichloroprop...	7.558	79	25800	3.364	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.200%
46) 2-Hexanone-d5	8.017	63	129794	43.532	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.060%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	75331	4.301	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.000%
66) 1,2-Dichlorobenzene-d4	11.554	152	92649	4.945	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	1.709	101	634327	19.773	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	12554	0.686	ug/L	93
12) 1,1-Dichloroethene	2.059	96	4426	0.254	ug/L #	1
13) Acetone	1.870	43	3128950	1129.926	ug/L	41
16) Methylene chloride	2.439	84	34881	1.754	ug/L	91
17) Methyl tert-butyl Ether	2.696	73	42424	1.076	ug/L	98
19) 1,1-Dichloroethane	3.101	63	91536	2.745	ug/L	99
22) cis-1,2-Dichloroethene	3.809	96	2806	0.148	ug/L	77
25) Chloroform	4.272	83	8421	0.236	ug/L	87
27) 1,2-Dichloroethane	5.069	62	5151	0.265	ug/L	97
29) 1,1,1-Trichloroethane	4.500	97	63060	2.027	ug/L	98
31) Carbon tetrachloride	4.506	117	8790	0.320	ug/L	97
34) Trichloroethene	5.834	95	19311	0.972	ug/L	97
35) Methylcyclohexane	5.979	83	22208	0.790	ug/L #	20
37) 1,2-Dichloropropane	5.982	63	9923	0.544	ug/L #	88
42) Toluene	7.323	91	23707	0.307	ug/L	96
47) Tetrachloroethene	7.898	164	42630	2.671	ug/L	96
49) Dibromochloromethane	7.898	129	40232	2.493	ug/L #	11
51) Chlorobenzene	8.812	112	13751	0.259	ug/L	96

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 22 01:41:27 2024
Response via : Initial Calibration

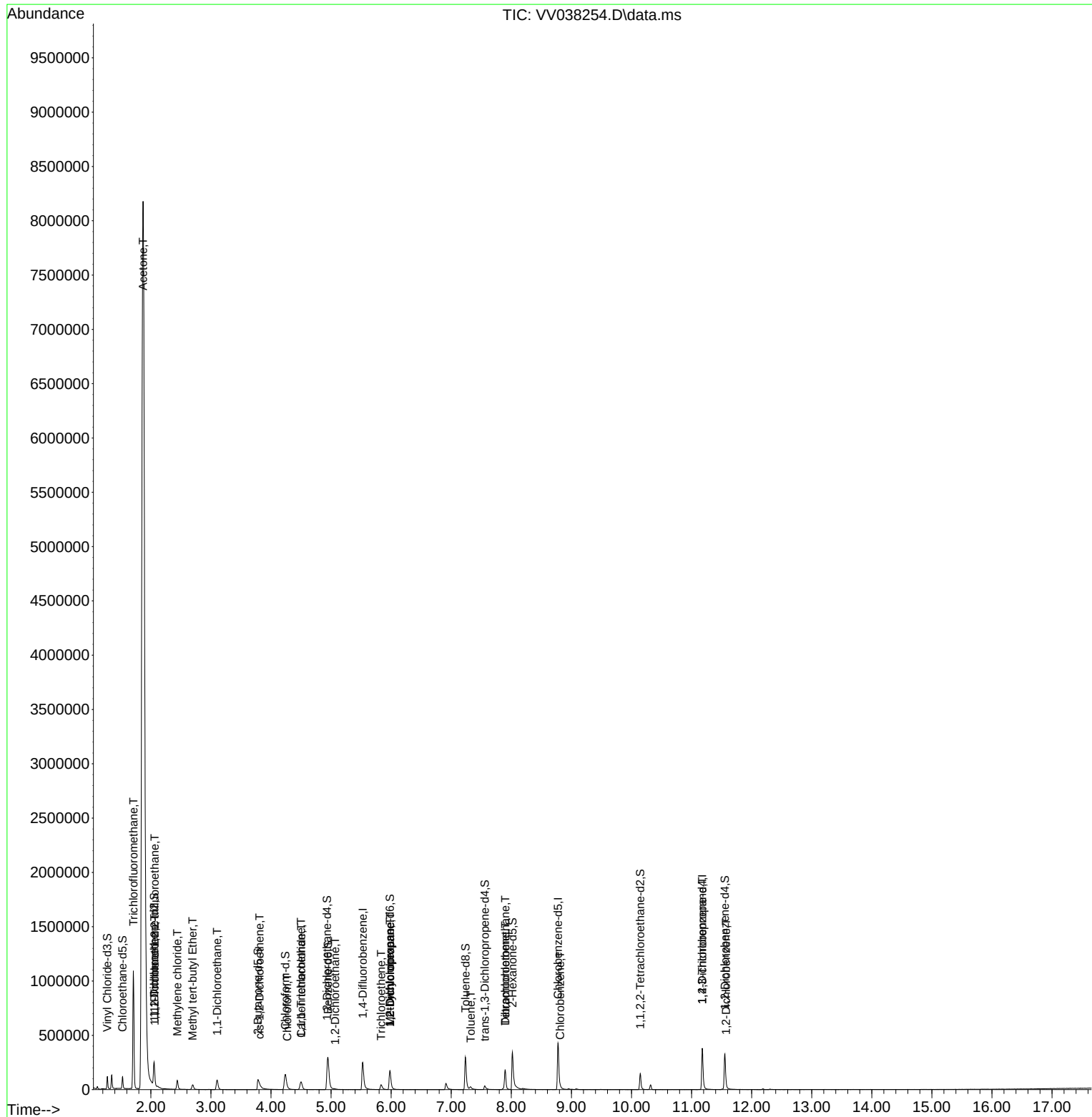
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.178	75	12868	1.367	ug/L #	65
67) 1,2-Dichlorobenzene	11.574	146	4830	0.153	ug/L	93

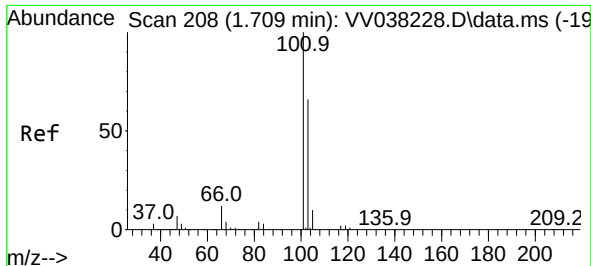
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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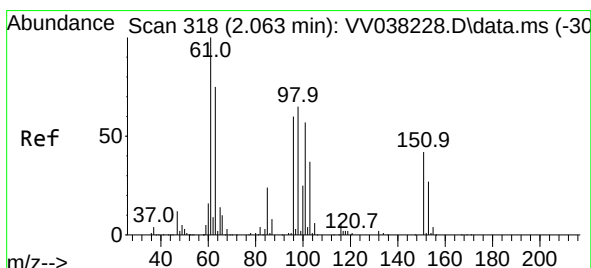
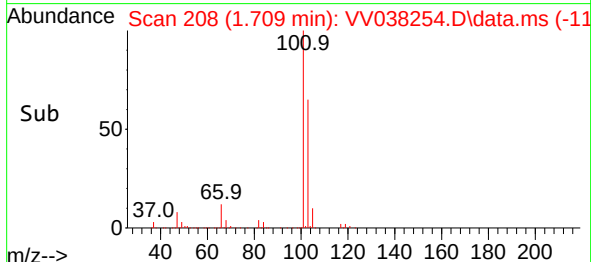
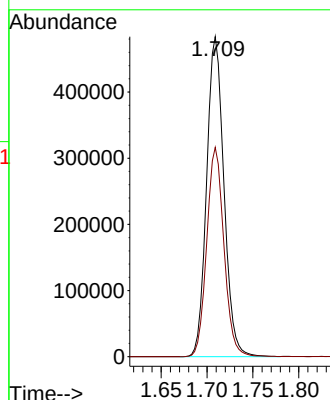
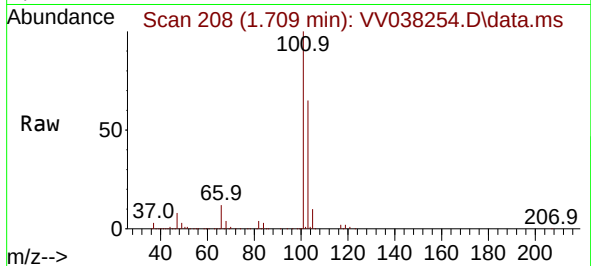




#9
 Trichlorofluoromethane
 Concen: 19.773 ug/L
 RT: 1.709 min Scan# 208
 Delta R.T. -0.000 min
 Lab File: VV038254.D
 Acq: 21 Nov 2024 22:54

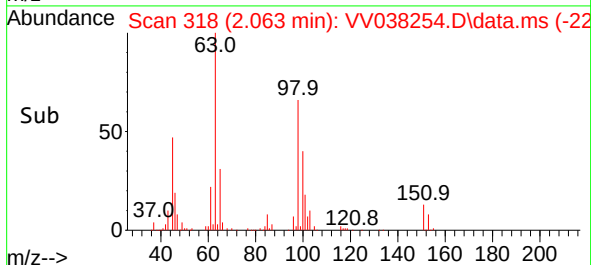
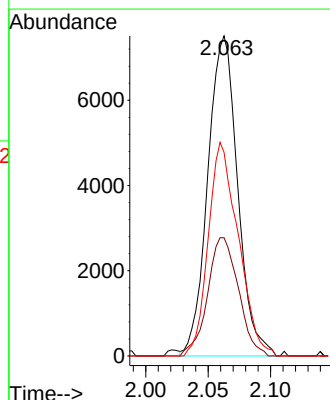
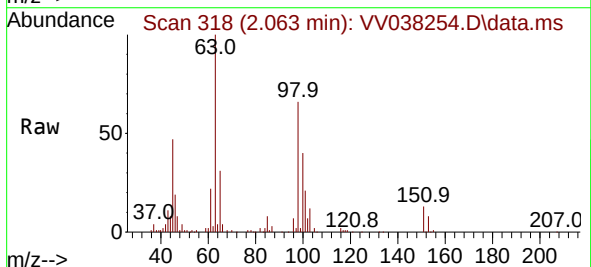
Instrument :
 MSVOA_V
 ClientSampleId :

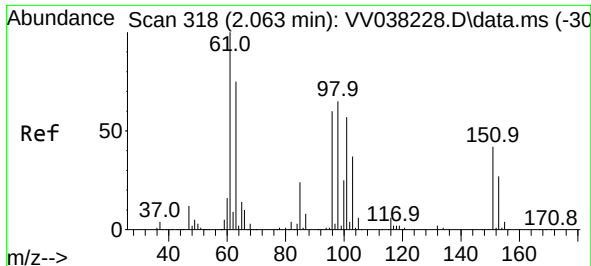
Tgt Ion:101 Resp: 634327
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.686 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV038254.D
 Acq: 21 Nov 2024 22:54

Tgt Ion:101 Resp: 12554
 Ion Ratio Lower Upper
 101 100
 85 38.1 33.4 50.0
 151 67.0 58.8 88.2

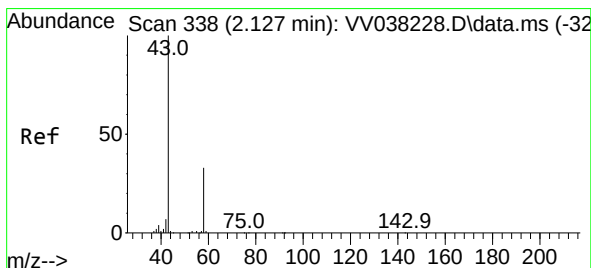
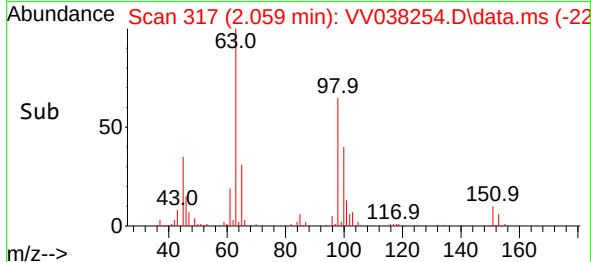
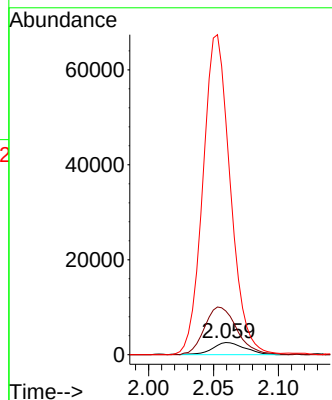
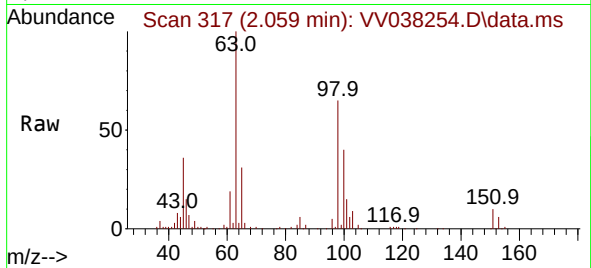




#12
1,1-Dichloroethene
Concen: 0.254 ug/L
RT: 2.059 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV038254.D
Acq: 21 Nov 2024 22:54

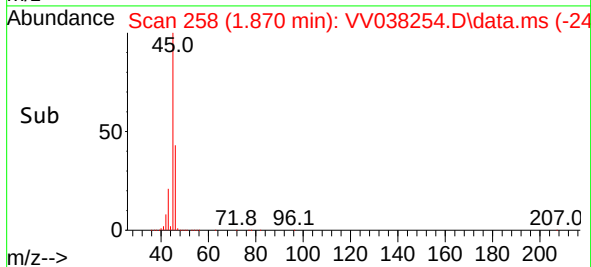
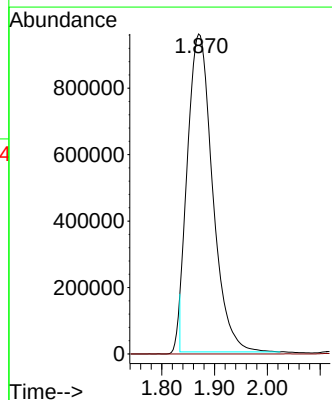
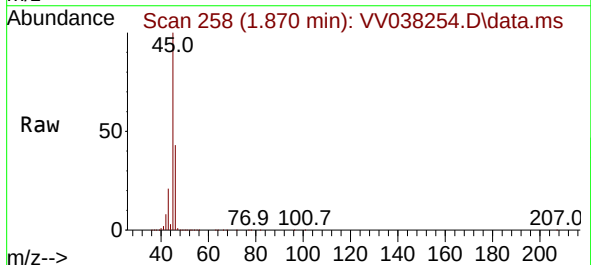
Instrument :
MSVOA_V
ClientSampleId :

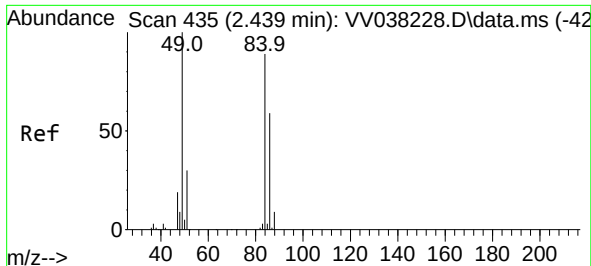
Tgt Ion: 96 Resp: 4426
Ion Ratio Lower Upper
96 100
61 357.5 115.7 214.9#
63 1922.5 101.1 187.7#



#13
Acetone
Concen: 1129.926 ug/L
RT: 1.870 min Scan# 258
Delta R.T. -0.257 min
Lab File: VV038254.D
Acq: 21 Nov 2024 22:54

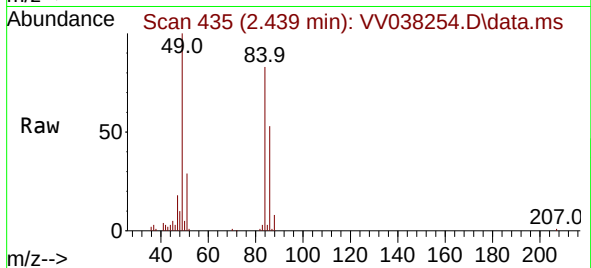
Tgt Ion: 43 Resp: 3128950
Ion Ratio Lower Upper
43 100
58 0.0 0.0 67.2



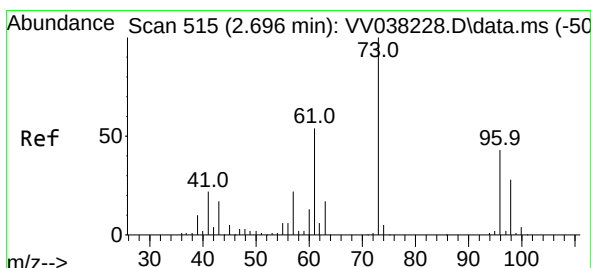
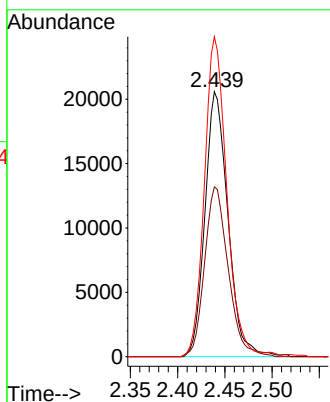
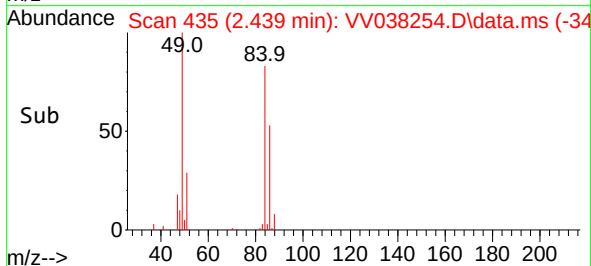


#16
Methylene chloride
Concen: 1.754 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV038254.D
Acq: 21 Nov 2024 22:54

Instrument :
MSVOA_V
ClientSampleId :

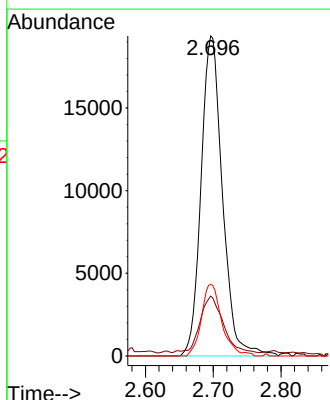
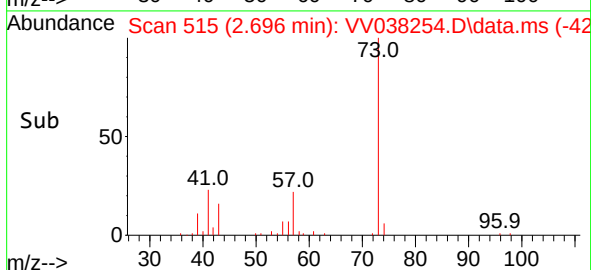
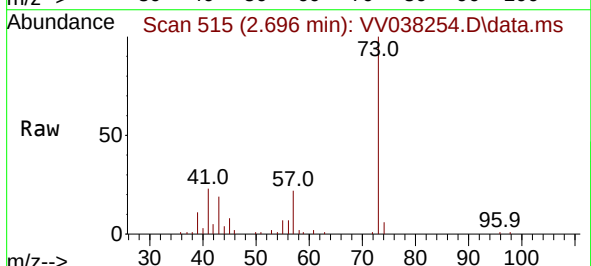


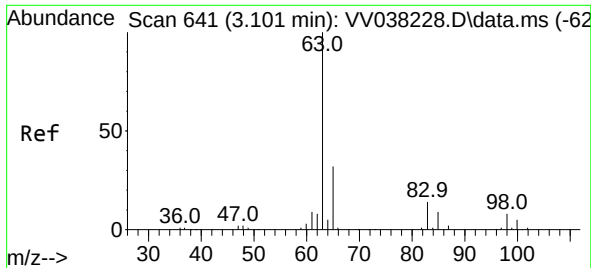
Tgt Ion: 84 Resp: 34881
Ion Ratio Lower Upper
84 100
86 64.1 44.2 82.2
49 120.8 74.9 139.1



#17
Methyl tert-butyl Ether
Concen: 1.076 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV038254.D
Acq: 21 Nov 2024 22:54

Tgt Ion: 73 Resp: 42424
Ion Ratio Lower Upper
73 100
43 18.6 14.2 21.2
57 21.3 17.6 26.4





#19

1,1-Dichloroethane

Concen: 2.745 ug/L

RT: 3.101 min Scan# 641

Delta R.T. -0.000 min

Lab File: VV038254.D

Acq: 21 Nov 2024 22:54

Instrument :

MSVOA_V

ClientSampleId :

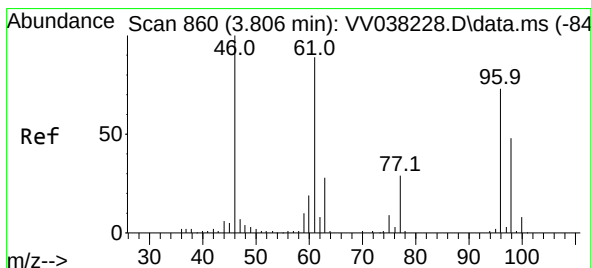
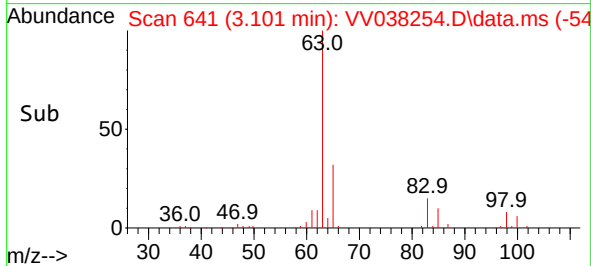
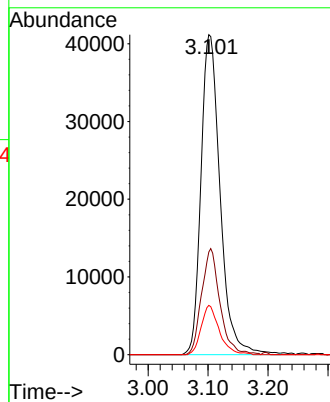
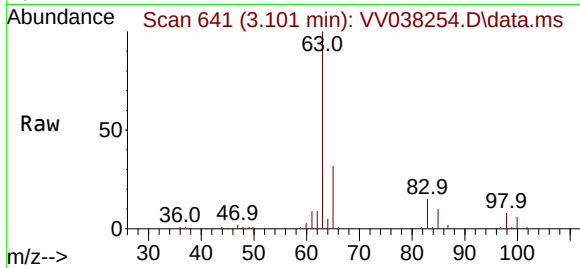
Tgt Ion: 63 Resp: 91536

Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

83 15.4 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 0.148 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.003 min

Lab File: VV038254.D

Acq: 21 Nov 2024 22:54

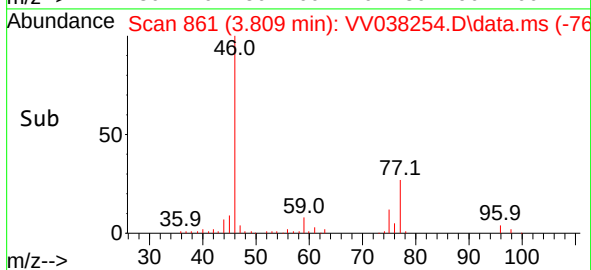
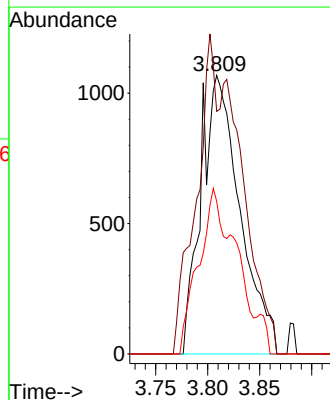
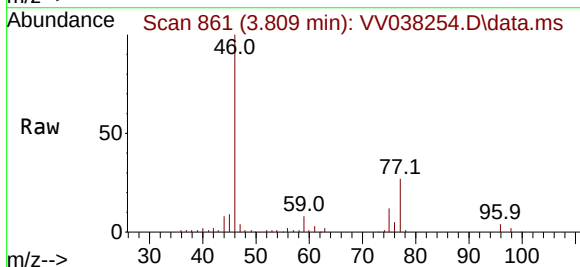
Tgt Ion: 96 Resp: 2806

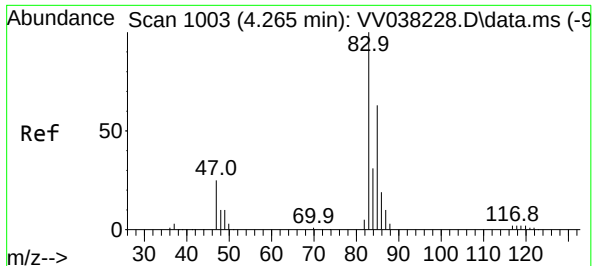
Ion Ratio Lower Upper

96 100

61 87.1 82.7 153.5

98 54.8 46.3 85.9





#25

Chloroform

Concen: 0.236 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV038254.D

Acq: 21 Nov 2024 22:54

Instrument :

MSVOA_V

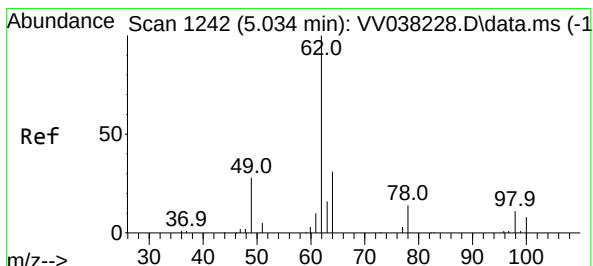
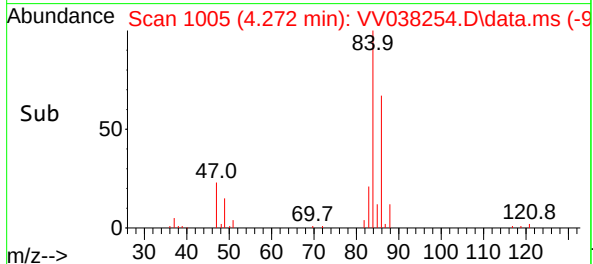
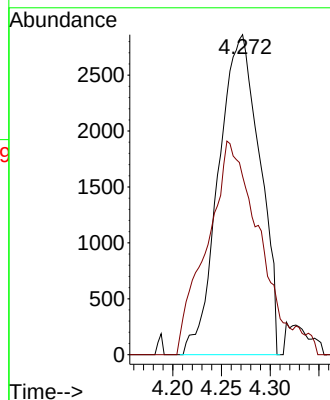
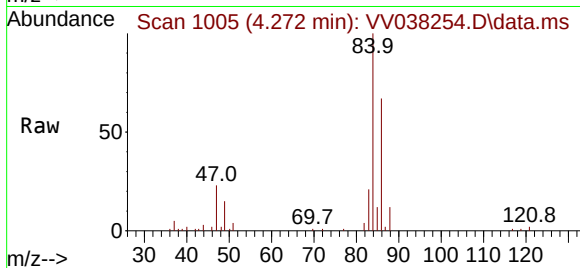
ClientSampleId :

Tgt Ion: 83 Resp: 8421

Ion Ratio Lower Upper

83 100

85 55.8 46.5 86.3



#27

1,2-Dichloroethane

Concen: 0.265 ug/L

RT: 5.069 min Scan# 1253

Delta R.T. 0.035 min

Lab File: VV038254.D

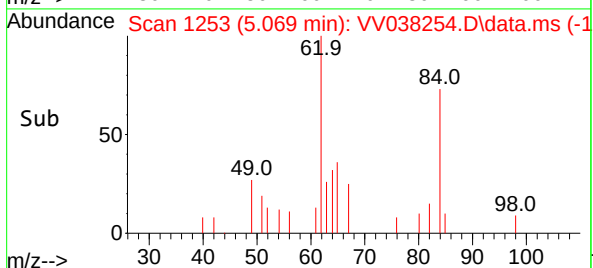
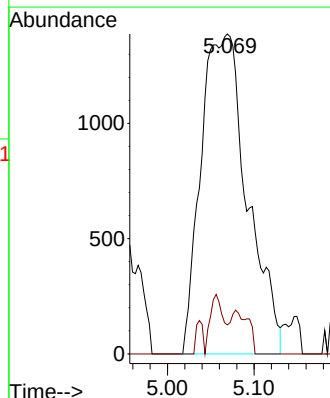
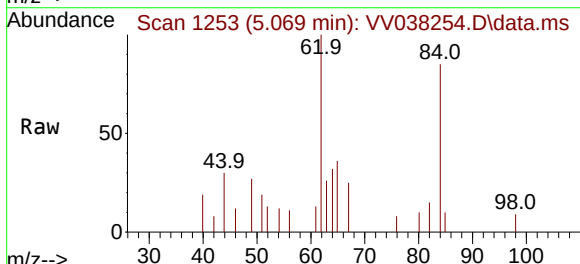
Acq: 21 Nov 2024 22:54

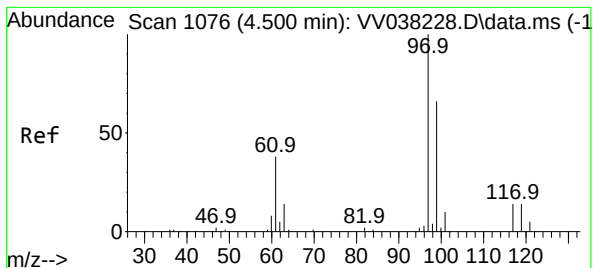
Tgt Ion: 62 Resp: 5151

Ion Ratio Lower Upper

62 100

98 9.1 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 2.027 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VV038254.D

Acq: 21 Nov 2024 22:54

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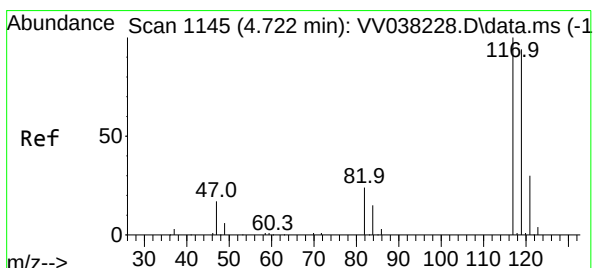
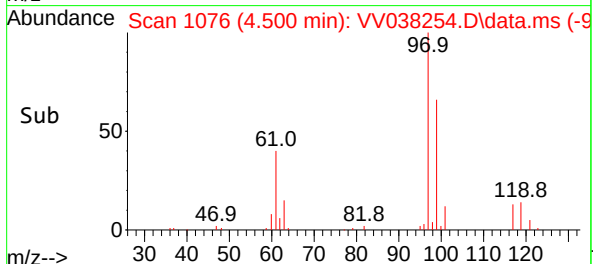
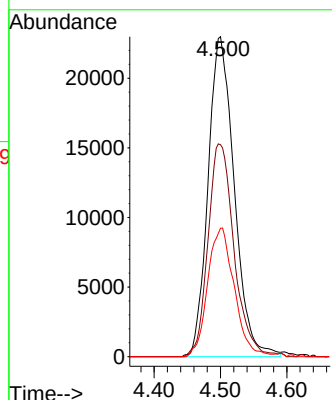
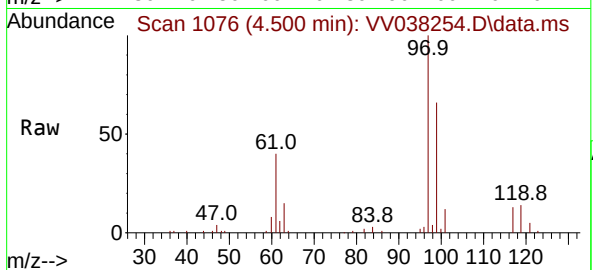
Tgt Ion: 97 Resp: 63060

Ion Ratio Lower Upper

97 100

99 66.4 51.8 77.8

61 40.8 32.2 48.2



#31

Carbon tetrachloride

Concen: 0.320 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.216 min

Lab File: VV038254.D

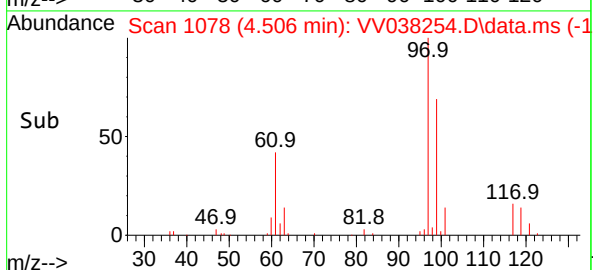
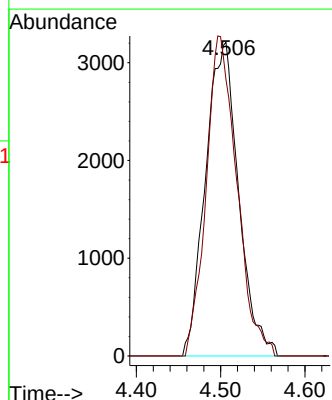
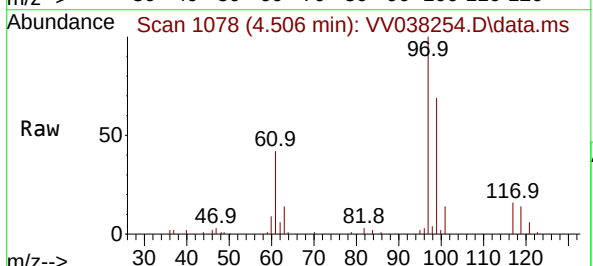
Acq: 21 Nov 2024 22:54

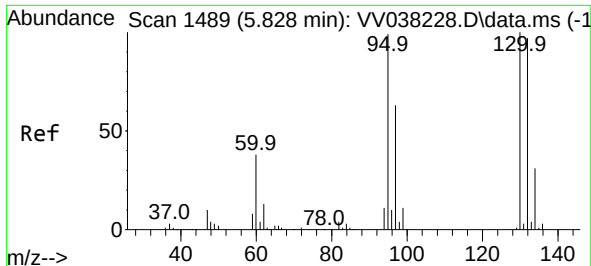
Tgt Ion: 117 Resp: 8790

Ion Ratio Lower Upper

117 100

119 94.2 77.4 116.2



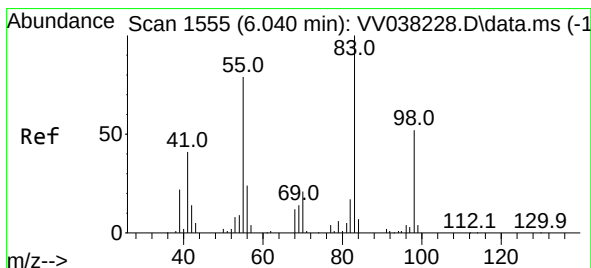
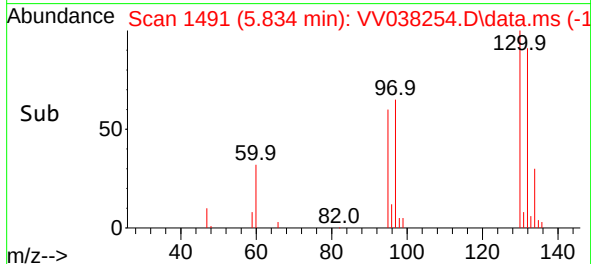
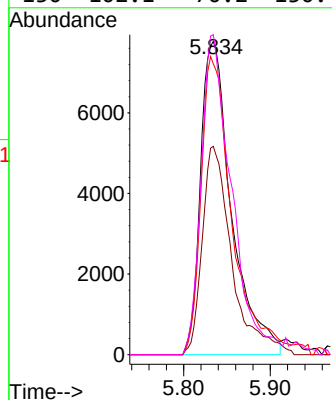
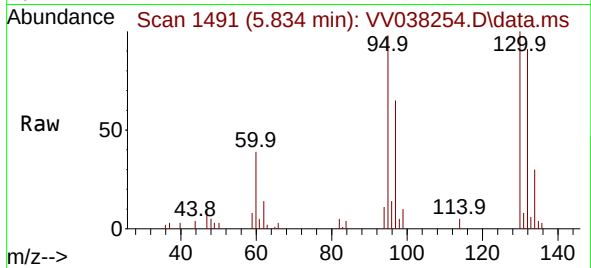


#34
Trichloroethene
Concen: 0.972 ug/L
RT: 5.834 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VV038254.D
Acq: 21 Nov 2024 22:54

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 19311

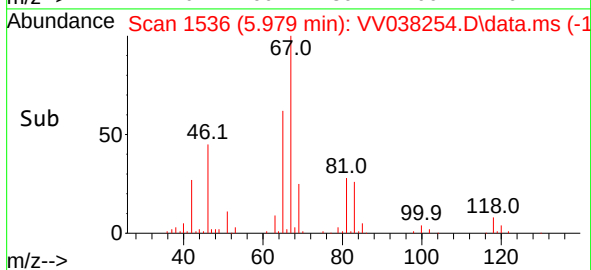
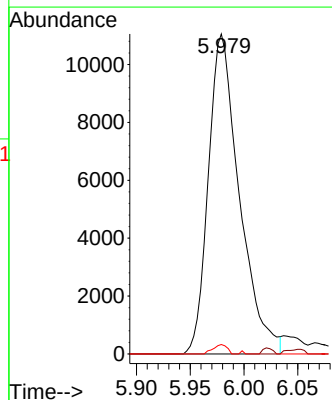
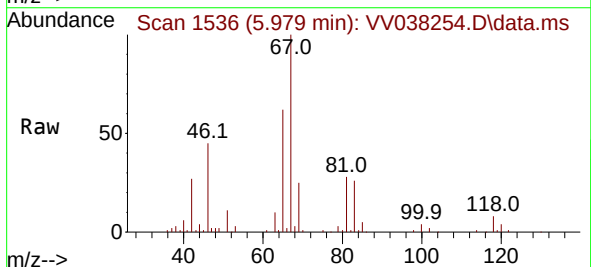
Ion	Ratio	Lower	Upper
95	100		
97	66.5	44.8	83.2
132	92.9	68.3	126.8
130	102.1	70.2	130.4

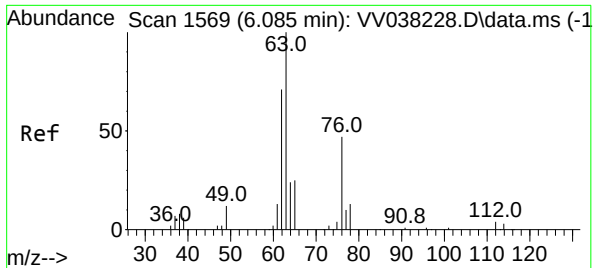


#35
Methylcyclohexane
Concen: 0.790 ug/L
RT: 5.979 min Scan# 1536
Delta R.T. -0.061 min
Lab File: VV038254.D
Acq: 21 Nov 2024 22:54

Tgt Ion: 83 Resp: 22208

Ion	Ratio	Lower	Upper
83	100		
55	0.6	59.7	89.5#
98	1.3	39.0	58.4#

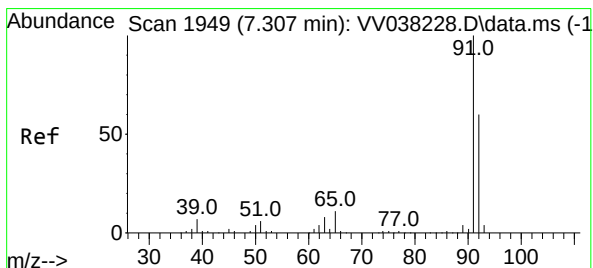
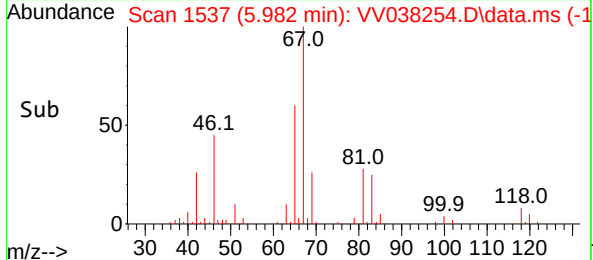
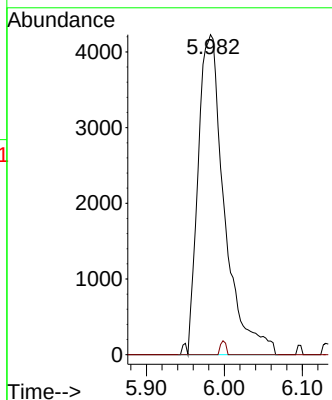
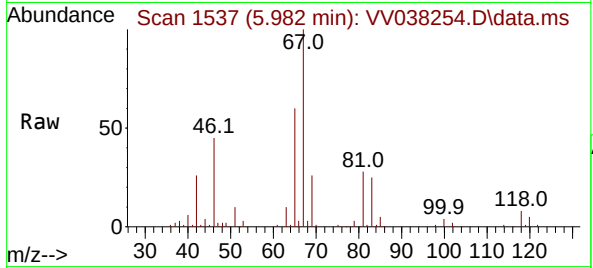




#37
1,2-Dichloropropane
Concen: 0.544 ug/L
RT: 5.982 min Scan# 11
Delta R.T. -0.103 min
Lab File: VV038254.D
Acq: 21 Nov 2024 22:54

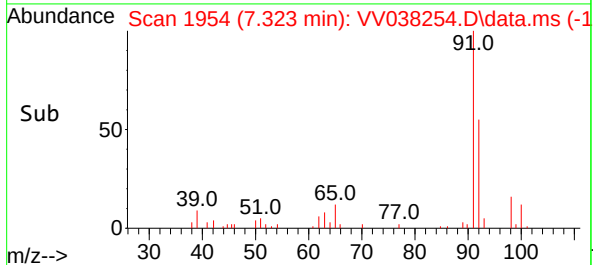
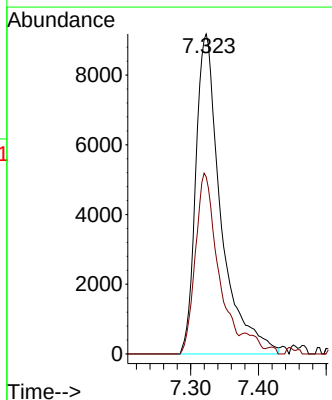
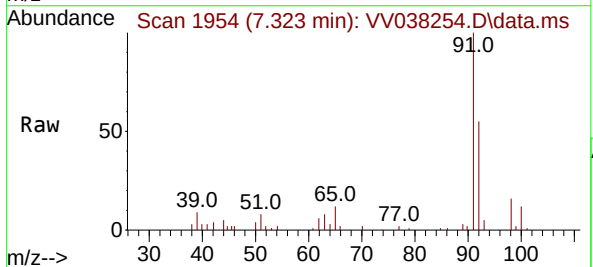
Instrument :
MSVOA_V
ClientSampleId :

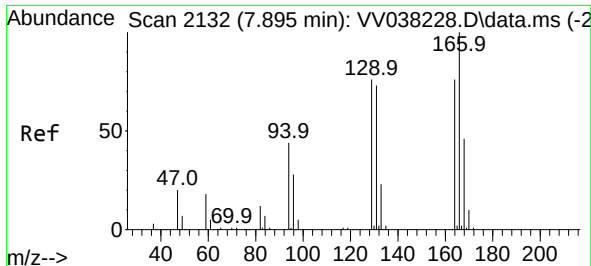
Tgt Ion: 63 Resp: 9923
Ion Ratio Lower Upper
63 100
112 0.9 3.9 5.9#



#42
Toluene
Concen: 0.307 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.016 min
Lab File: VV038254.D
Acq: 21 Nov 2024 22:54

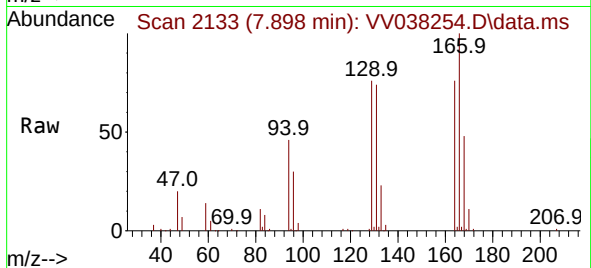
Tgt Ion: 91 Resp: 23707
Ion Ratio Lower Upper
91 100
92 55.3 40.8 75.8



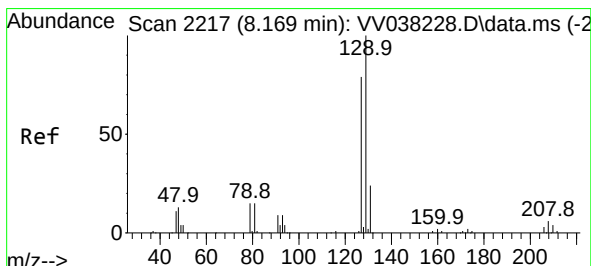
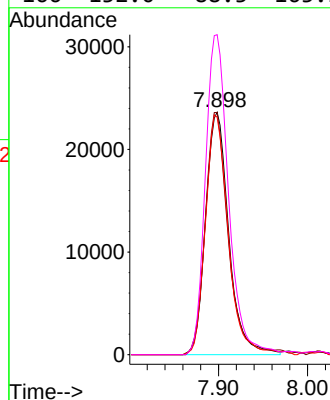
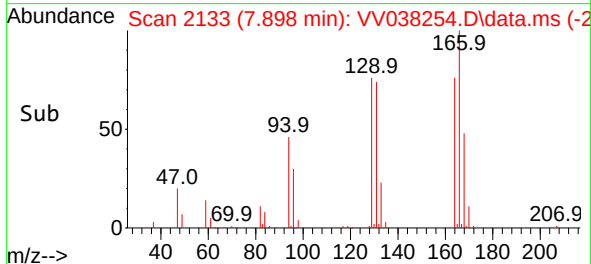


#47
Tetrachloroethene
Concen: 2.671 ug/L
RT: 7.898 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV038254.D
Acq: 21 Nov 2024 22:54

Instrument :
MSVOA_V
ClientSampleId :

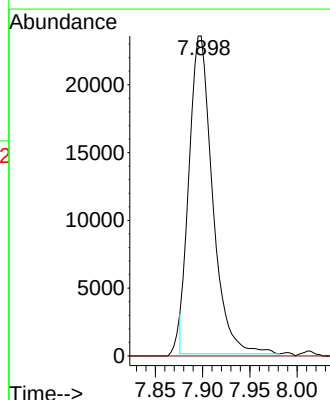
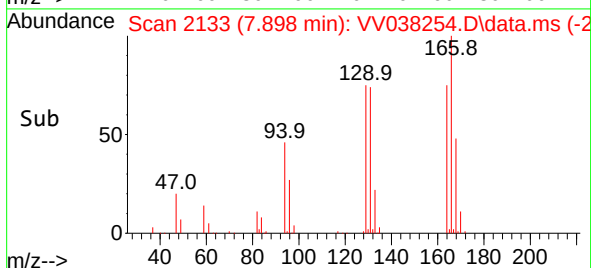
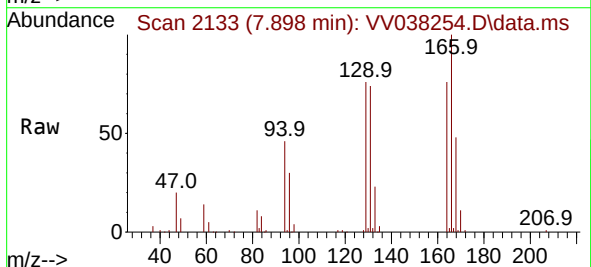


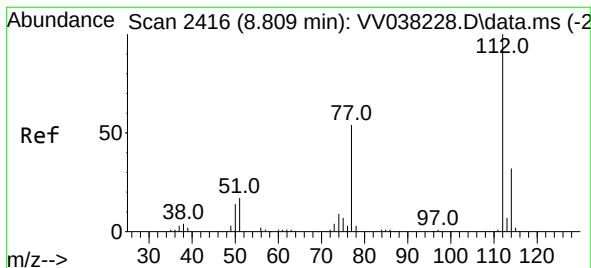
Tgt Ion:164 Resp: 42630
Ion Ratio Lower Upper
164 100
129 99.9 68.5 127.1
131 98.0 64.8 120.4
166 132.0 88.3 163.9



#49
Dibromochloromethane
Concen: 2.493 ug/L
RT: 7.898 min Scan# 2133
Delta R.T. -0.270 min
Lab File: VV038254.D
Acq: 21 Nov 2024 22:54

Tgt Ion:129 Resp: 40232
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#





#51

Chlorobenzene

Concen: 0.259 ug/L

RT: 8.812 min Scan# 2416

Delta R.T. 0.003 min

Lab File: VV038254.D

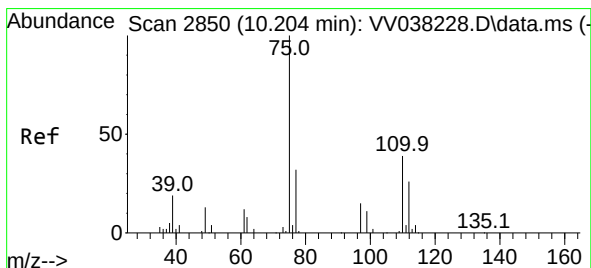
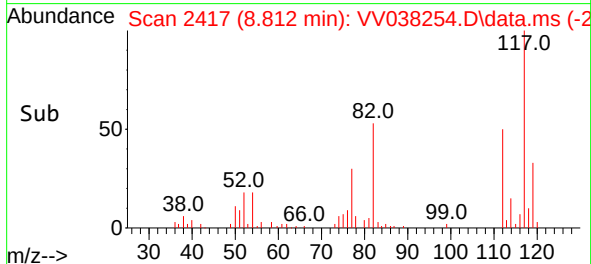
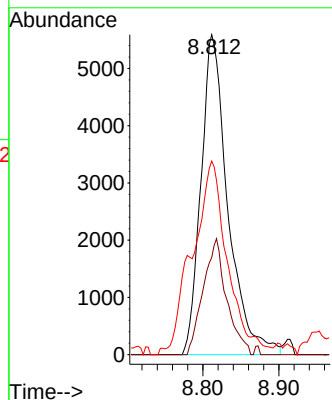
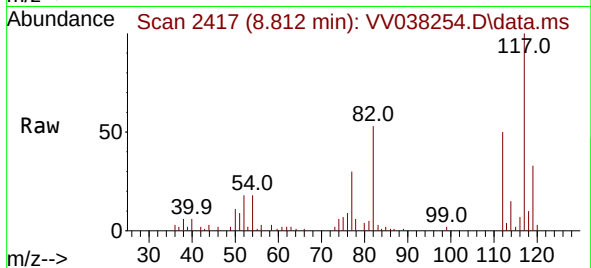
Acq: 21 Nov 2024 22:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	112	Resp:	13751
Ion Ratio	Lower	Upper	
112	100		
114	30.4	22.0	40.8
77	60.5	45.0	67.4



#61

1,2,3-Trichloropropane

Concen: 1.367 ug/L

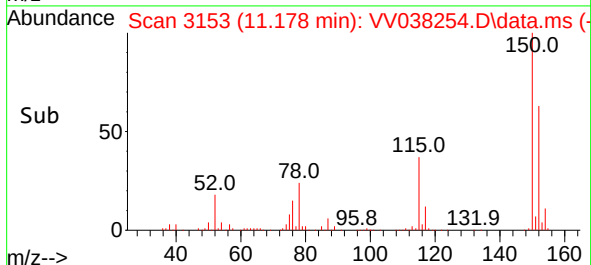
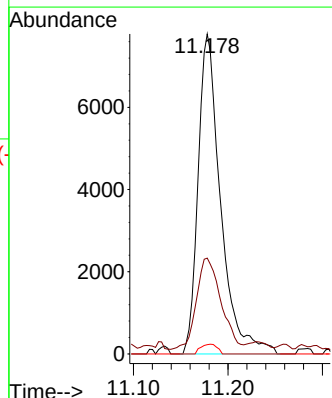
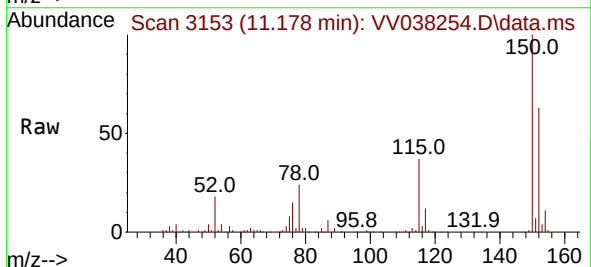
RT: 11.178 min Scan# 3153

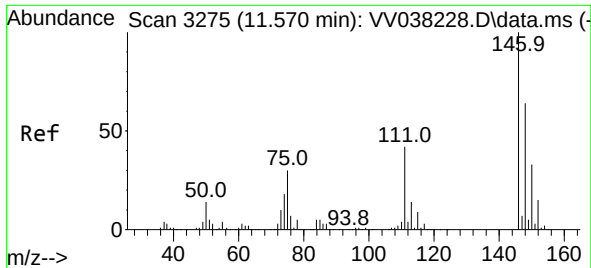
Delta R.T. 0.974 min

Lab File: VV038254.D

Acq: 21 Nov 2024 22:54

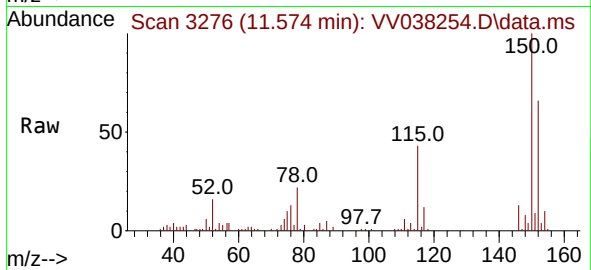
Tgt Ion:	75	Resp:	12868
Ion Ratio	Lower	Upper	
75	100		
77	31.0	26.4	39.6
110	2.2	32.3	48.5





#67
 1,2-Dichlorobenzene
 Concen: 0.153 ug/L
 RT: 11.574 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV038254.D
 Acq: 21 Nov 2024 22:54

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:146 Resp: 4830
 Ion Ratio Lower Upper
 146 100
 111 47.3 34.2 51.2
 148 57.8 51.0 76.4

