

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045187.D
 Acq On : 10 Mar 2025 11:47
 Operator : JC/MD
 Sample : Q1531-01 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20250305

Quant Time: Mar 11 03:52:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

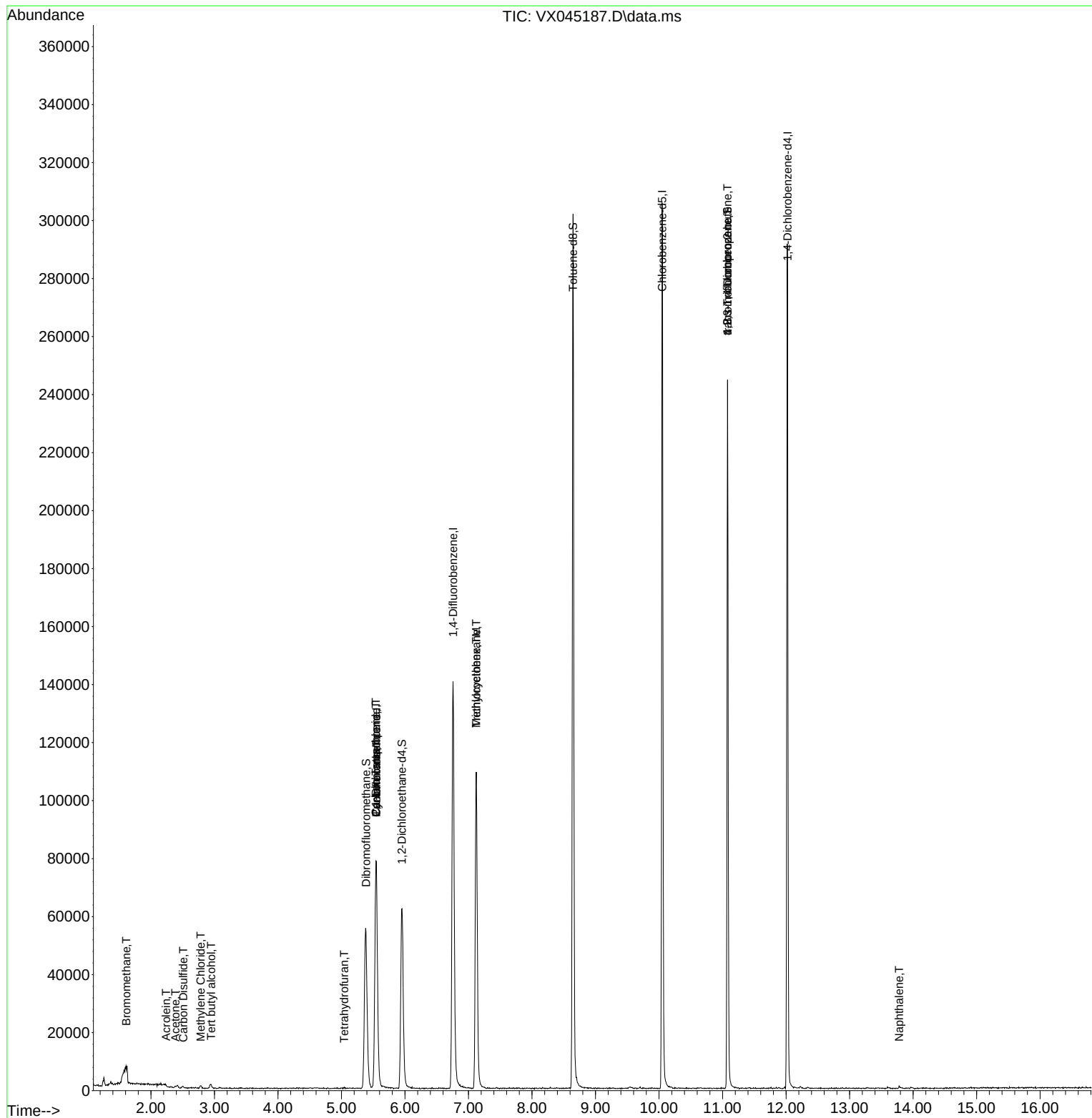
Internal Standards						
1) Pentafluorobenzene	5.550	168	71950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143872	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61371	53.624	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.240%			
35) Dibromofluoromethane	5.385	113	50061	52.037	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.080%			
50) Toluene-d8	8.647	98	178267	51.113	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.220%			
62) 4-Bromofluorobenzene	11.079	95	62663	54.220	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.440%			
Target Compounds						Qvalue
5) Bromomethane	1.611	94	179	0.414	ug/l #	3
11) Tert butyl alcohol	2.947	59	939	4.332	ug/l #	73
13) Acrolein	2.239	56	76	0.303	ug/l #	37
16) Acetone	2.386	43	524	0.987	ug/l #	65
17) Carbon Disulfide	2.508	76	799	0.339	ug/l #	77
20) Methylene Chloride	2.782	84	402	0.382	ug/l #	88
29) Tetrahydrofuran	5.044	42	180	0.335	ug/l #	34
31) Cyclohexane	5.550	56	2191	1.407	ug/l #	37
36) 1,1-Dichloropropene	5.544	75	6522	4.943	ug/l #	51
38) Carbon Tetrachloride	5.544	117	8211	6.130	ug/l #	16
39) Methylcyclohexane	7.123	83	512	0.324	ug/l #	1
44) Trichloroethene	7.123	130	42416	43.359	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	33782	24.970	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33782	85.453	ug/l #	6
95) Naphthalene	13.780	128	965	0.230	ug/l #	80

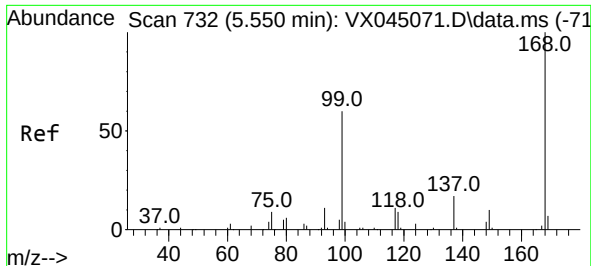
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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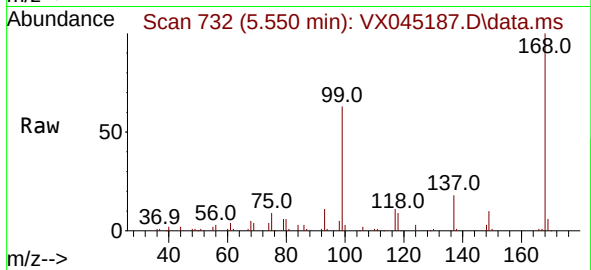
Quant Time: Mar 11 03:52:33 2025
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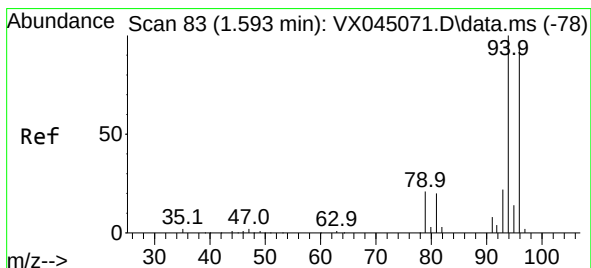
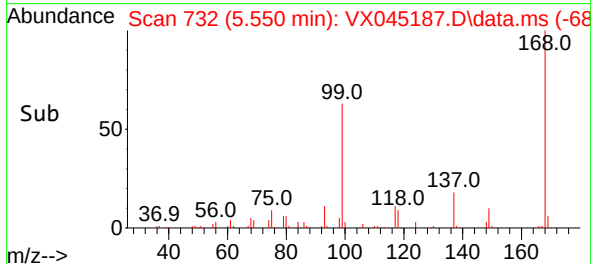
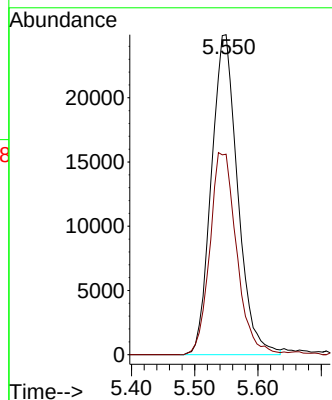


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250305

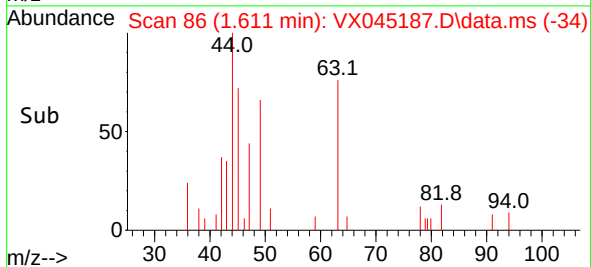
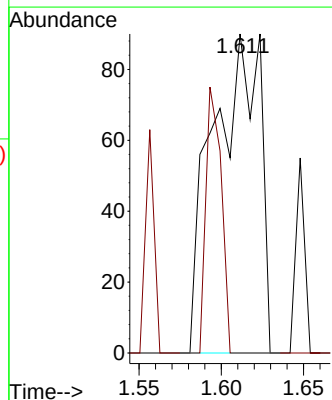
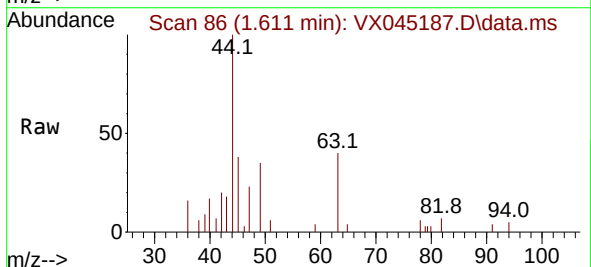


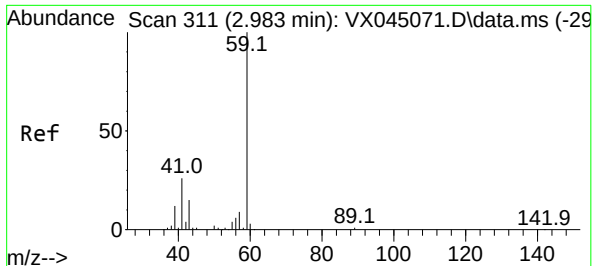
Tgt Ion:168 Resp: 71950
Ion Ratio Lower Upper
168 100
99 62.6 48.2 72.4



#5
Bromomethane
Concen: 0.414 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.018 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

Tgt Ion: 94 Resp: 179
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#





#11

Tert butyl alcohol

Concen: 4.332 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.037 min

Lab File: VX045187.D

Acq: 10 Mar 2025 11:47

Instrument :

MSVOA_X

ClientSampleId :

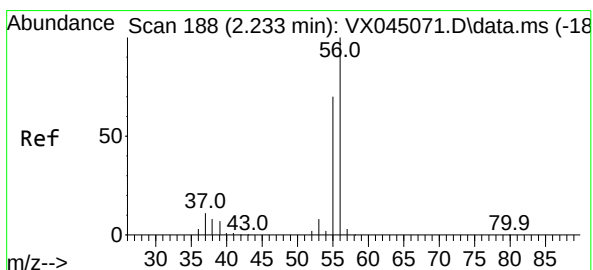
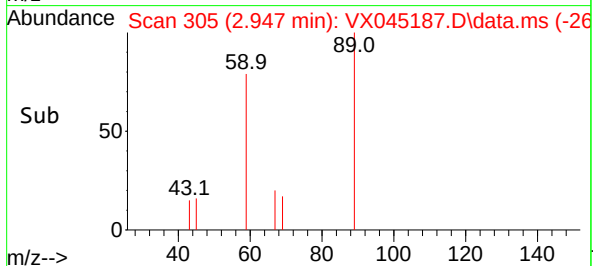
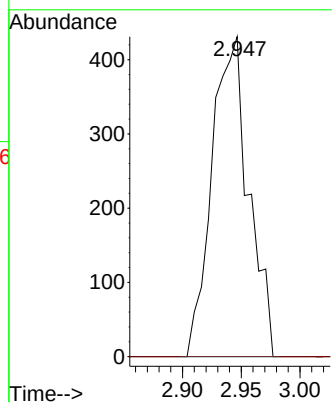
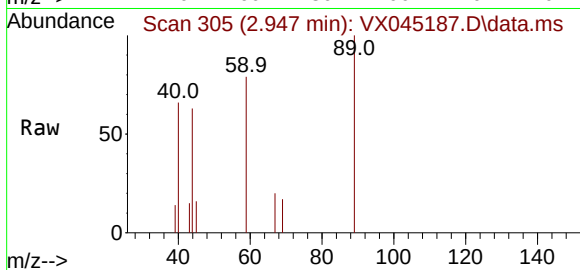
RE122D2-20250305

Tgt Ion: 59 Resp: 939

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#13

Acrolein

Concen: 0.303 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX045187.D

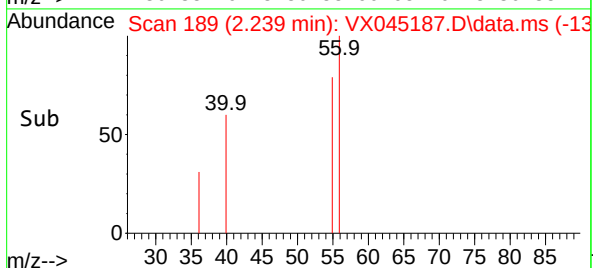
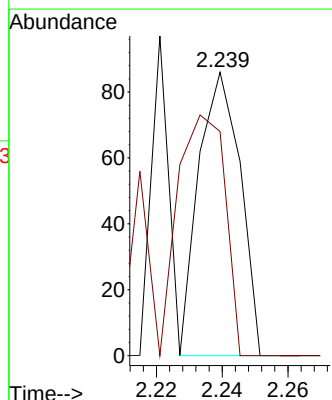
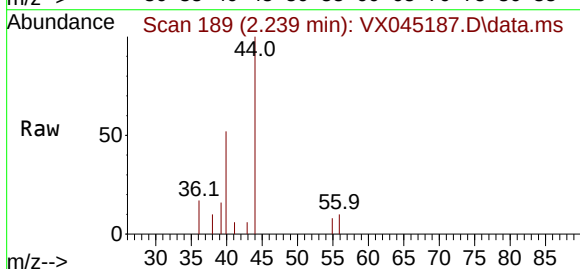
Acq: 10 Mar 2025 11:47

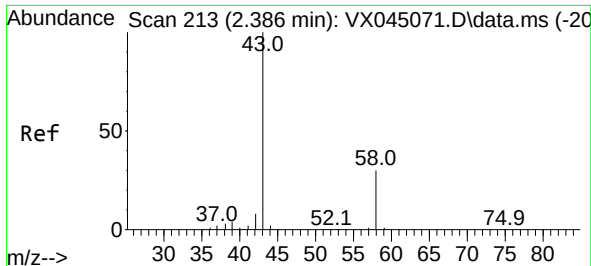
Tgt Ion: 56 Resp: 76

Ion Ratio Lower Upper

56 100

55 122.4 56.2 84.4#

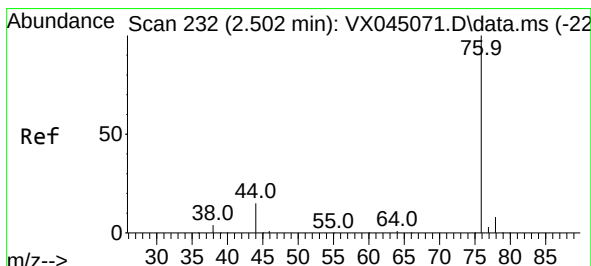
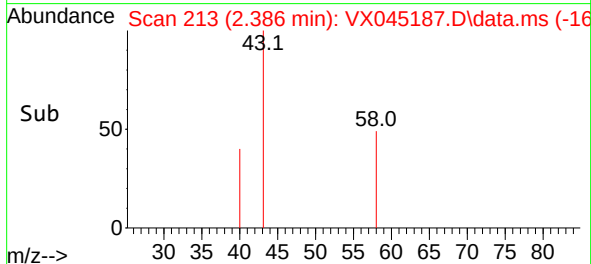
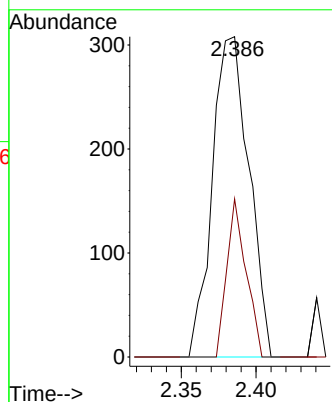
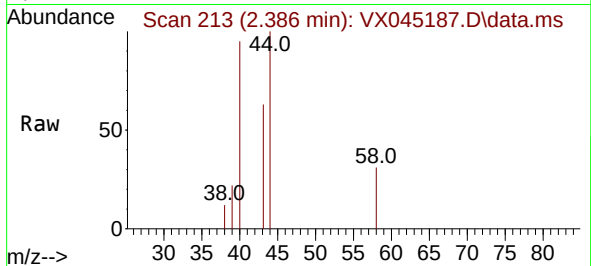




#16
Acetone
Concen: 0.987 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

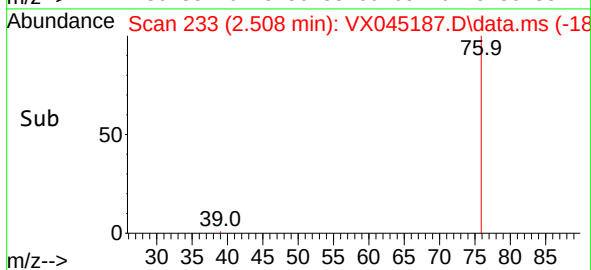
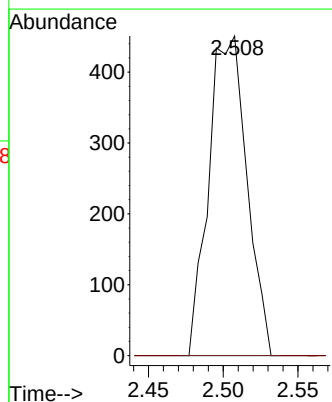
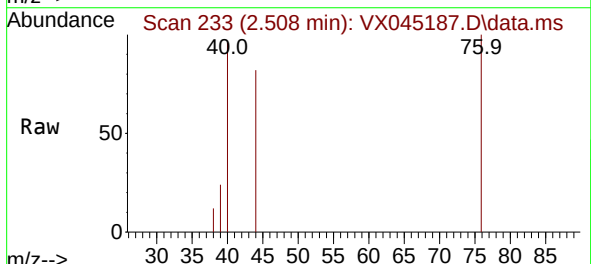
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250305

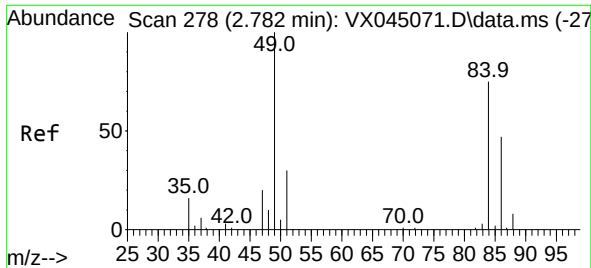
Tgt Ion: 43 Resp: 524
Ion Ratio Lower Upper
43 100
58 49.4 24.2 36.4#



#17
Carbon Disulfide
Concen: 0.339 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

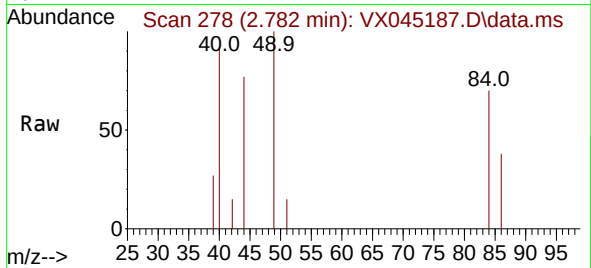
Tgt Ion: 76 Resp: 799
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#



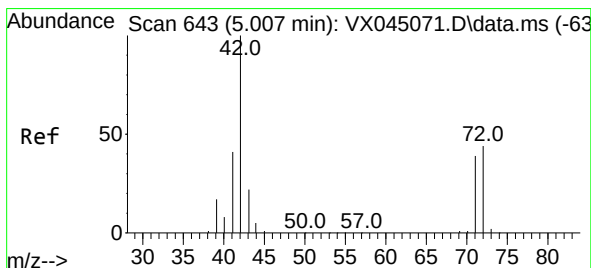
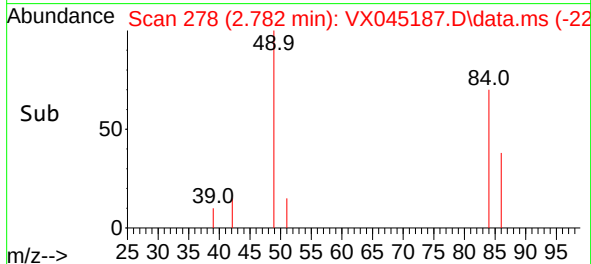
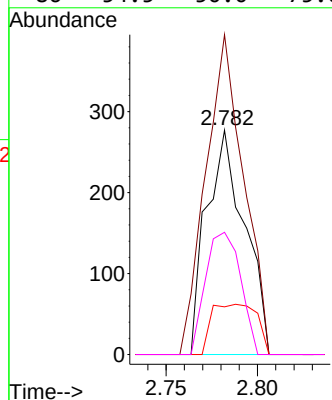


#20
Methylene Chloride
Concen: 0.382 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250305

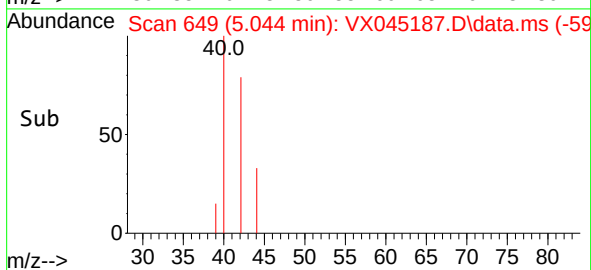
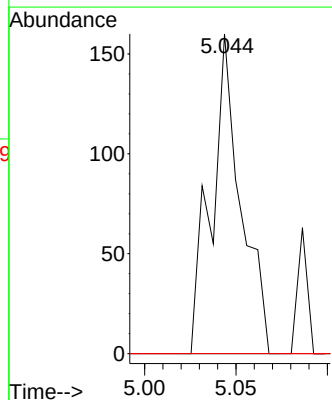
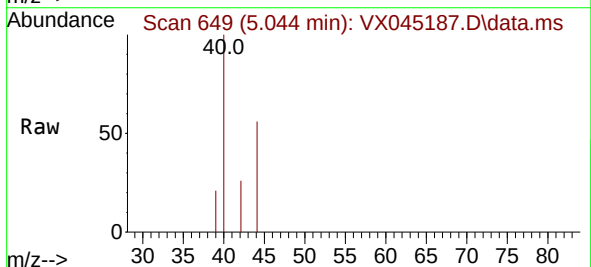


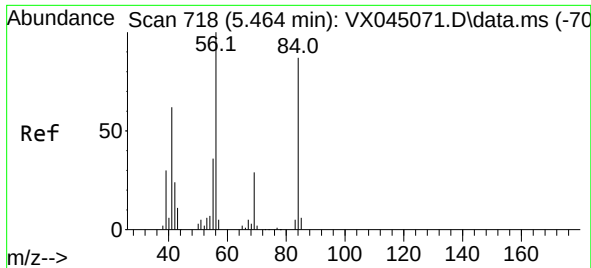
Tgt Ion:	84	Resp:	402
Ion	Ratio	Lower	Upper
84	100		
49	142.6	106.5	159.7
51	21.3	32.1	48.1#
86	54.5	50.0	75.0



#29
Tetrahydrofuran
Concen: 0.335 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.036 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

Tgt Ion:	42	Resp:	180
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#

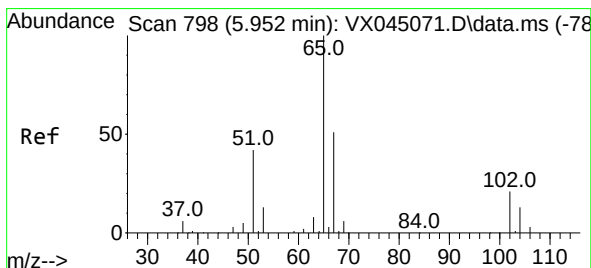
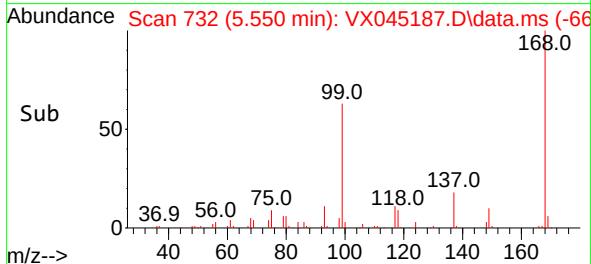
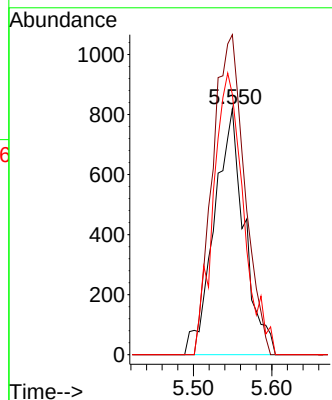
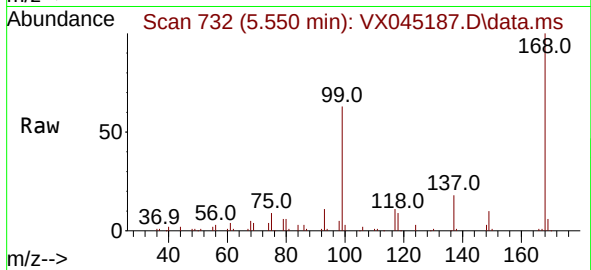




#31
Cyclohexane
Concen: 1.407 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

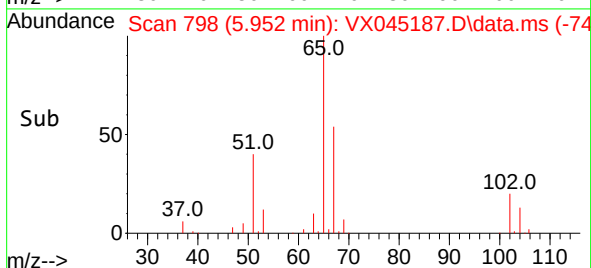
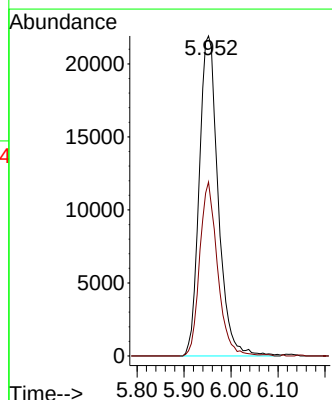
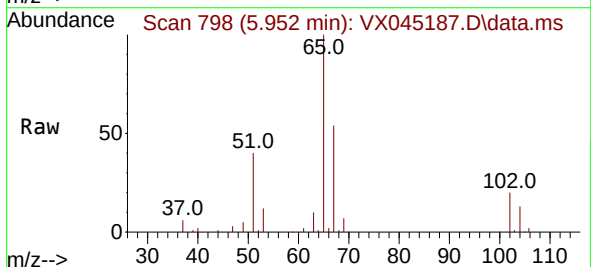
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RE122D2-20250305

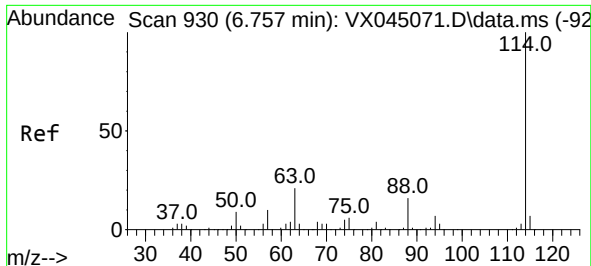
Tgt Ion: 56 Resp: 2191
Ion Ratio Lower Upper
56 100
69 130.2 23.4 35.2#
84 105.9 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 53.624 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

Tgt Ion: 65 Resp: 61371
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.2

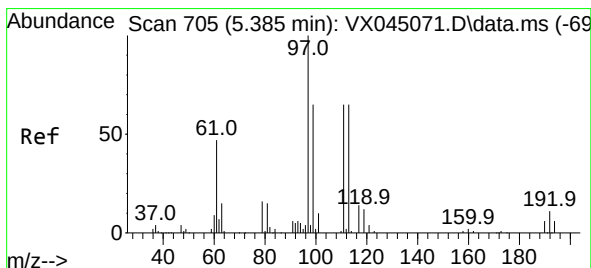
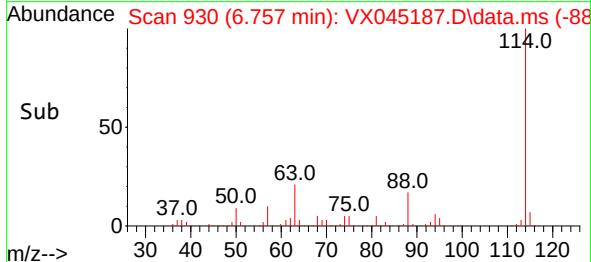
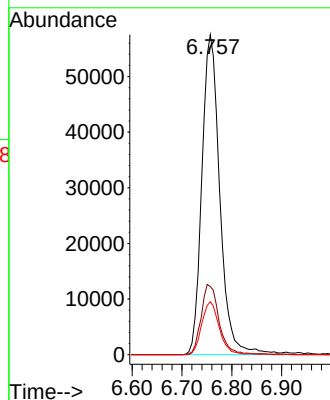
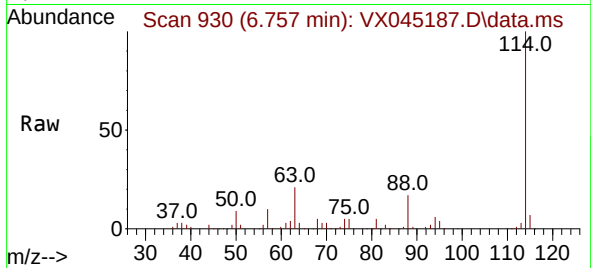




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

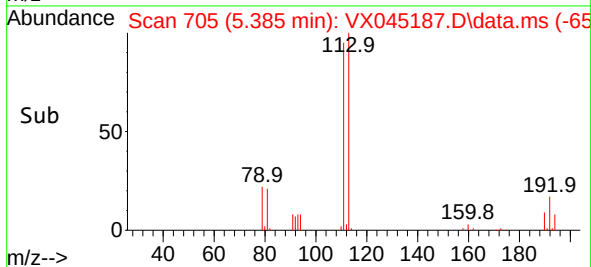
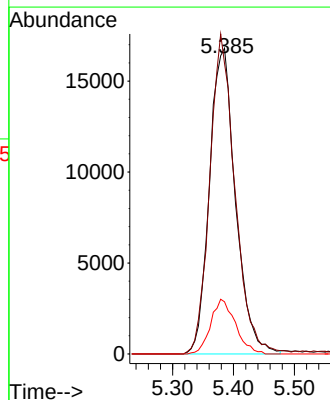
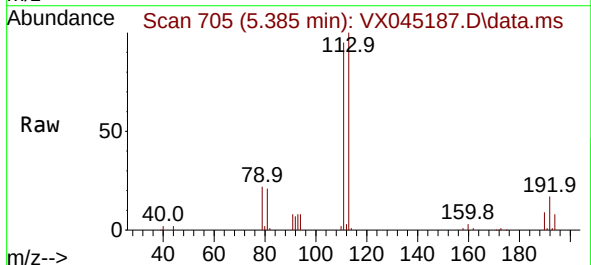
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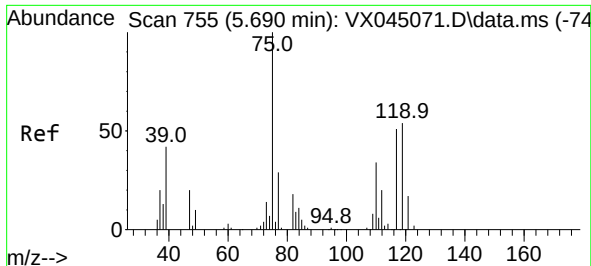
Tgt Ion:114 Resp: 143872
Ion Ratio Lower Upper
114 100
63 21.3 0.0 41.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.037 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

Tgt Ion:113 Resp: 50061
Ion Ratio Lower Upper
113 100
111 101.0 81.8 122.6
192 16.9 14.3 21.5

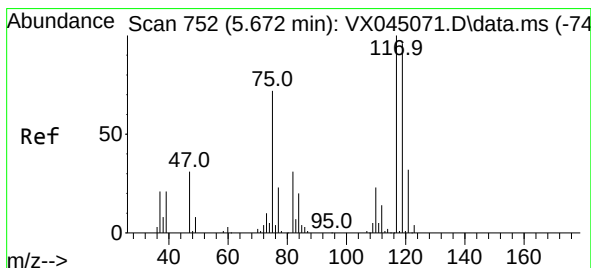
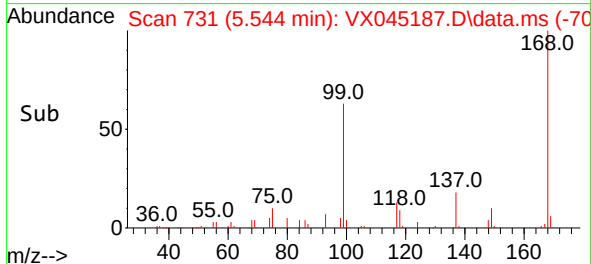
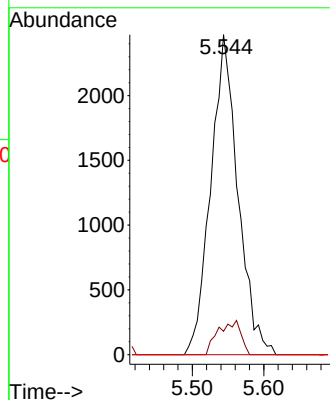
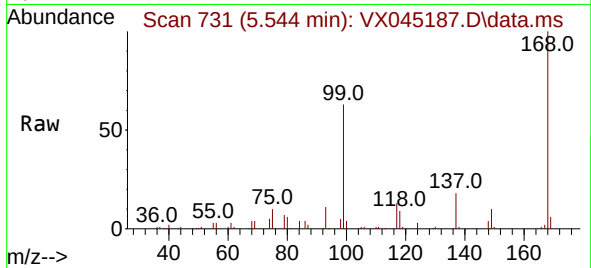




#36
1,1-Dichloropropene
Concen: 4.943 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

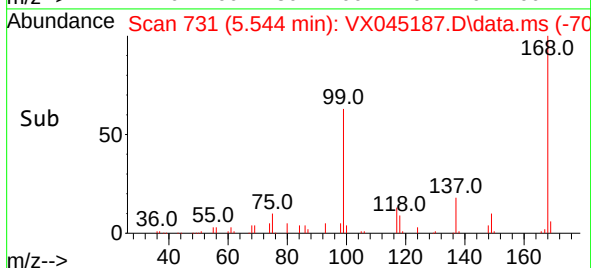
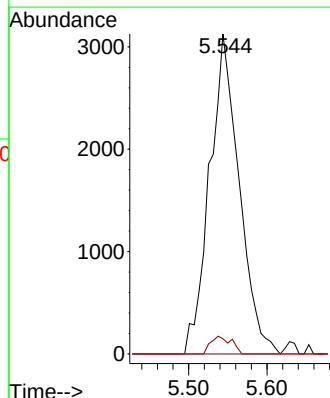
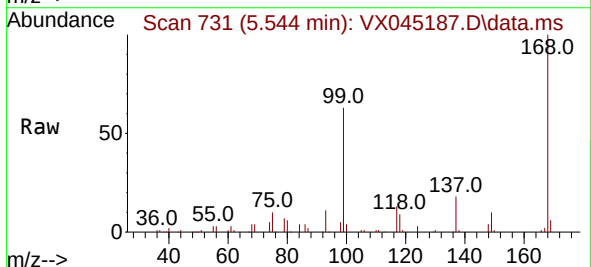
Instrument :
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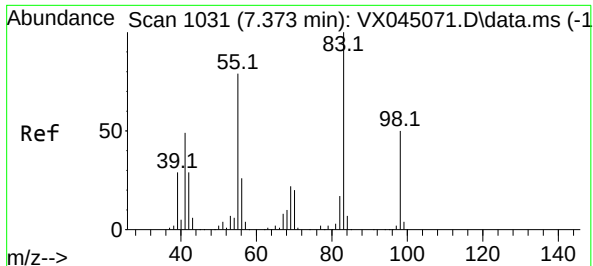
Tgt Ion: 75 Resp: 6522
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.130 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

Tgt Ion: 117 Resp: 8211
Ion Ratio Lower Upper
117 100
119 4.8 76.7 115.1#
121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 0.324 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX045187.D

Acq: 10 Mar 2025 11:47

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20250305

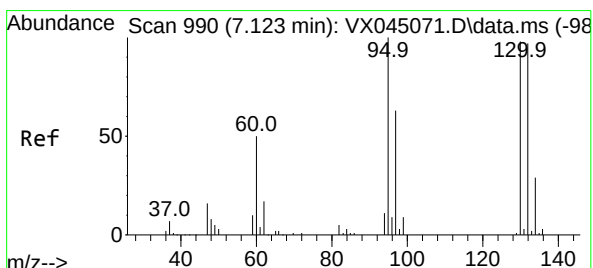
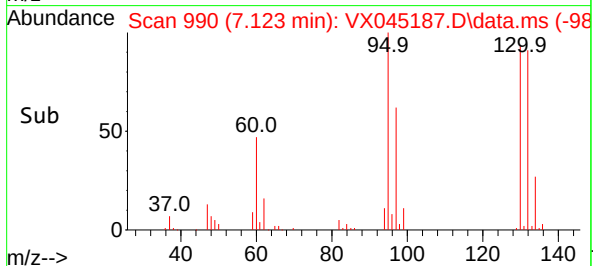
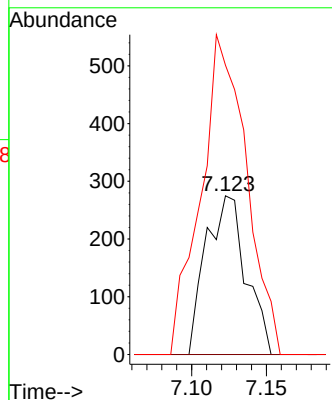
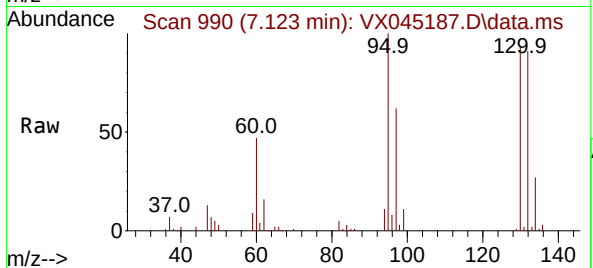
Tgt Ion: 83 Resp: 512

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 182.2 39.7 59.5#



#44

Trichloroethene

Concen: 43.359 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045187.D

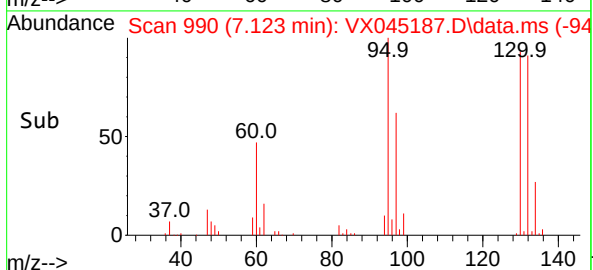
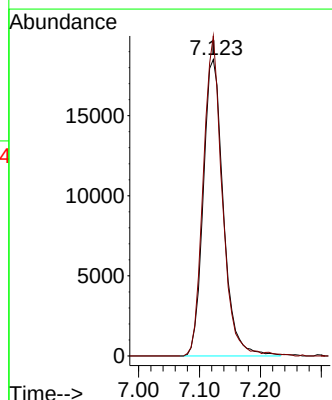
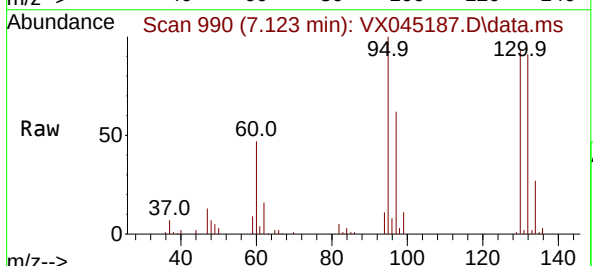
Acq: 10 Mar 2025 11:47

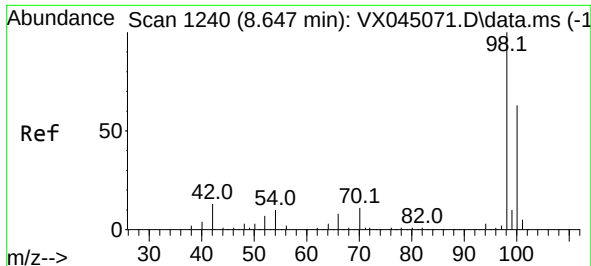
Tgt Ion:130 Resp: 42416

Ion Ratio Lower Upper

130 100

95 108.0 0.0 205.0

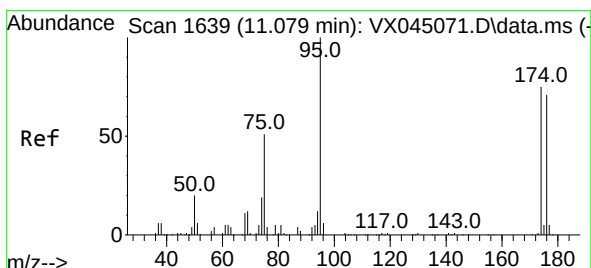
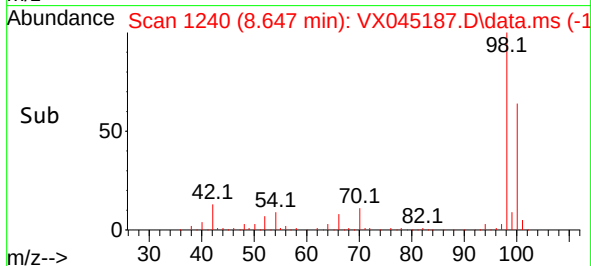
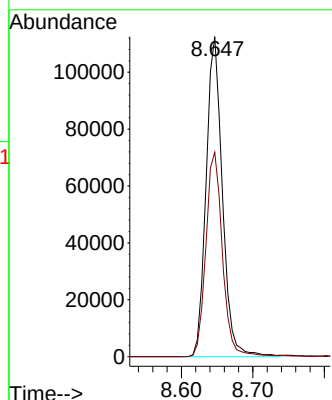
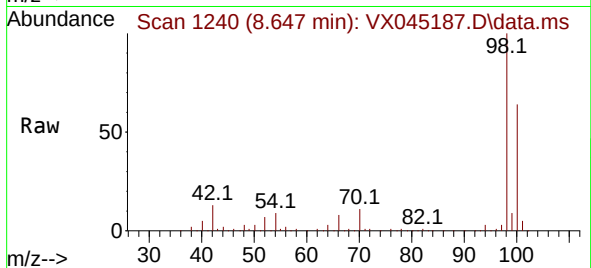




#50
Toluene-d8
Concen: 51.113 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

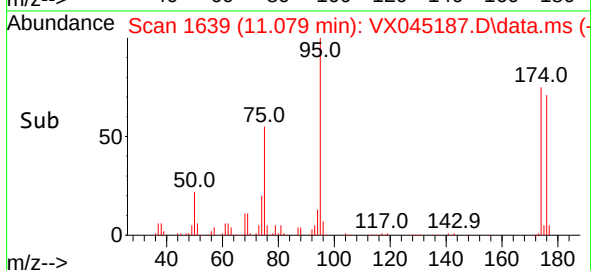
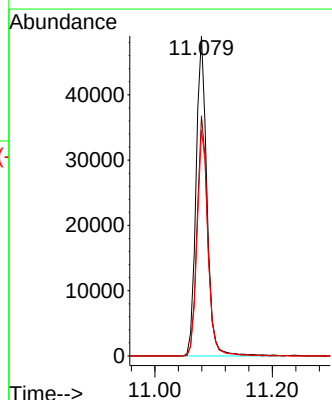
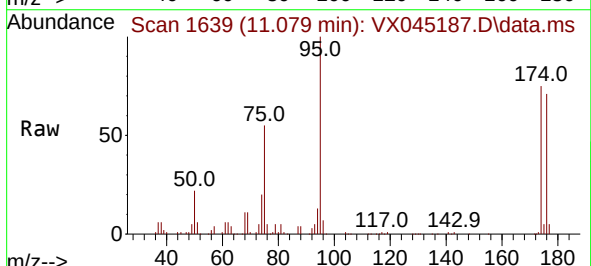
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250305

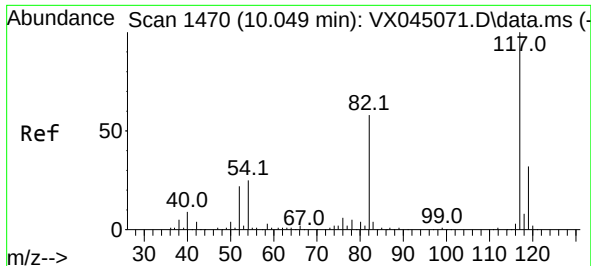
Tgt Ion: 98 Resp: 178267
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 54.220 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

Tgt Ion: 95 Resp: 62663
Ion Ratio Lower Upper
95 100
174 74.4 0.0 148.2
176 70.6 0.0 141.4

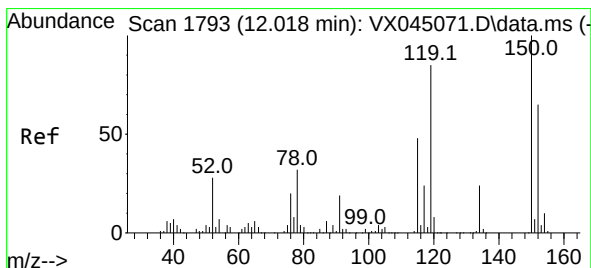
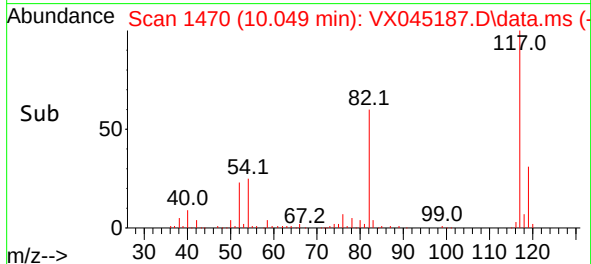
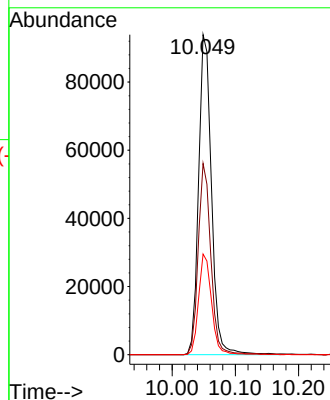
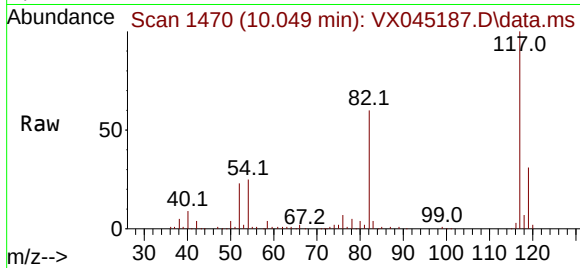




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

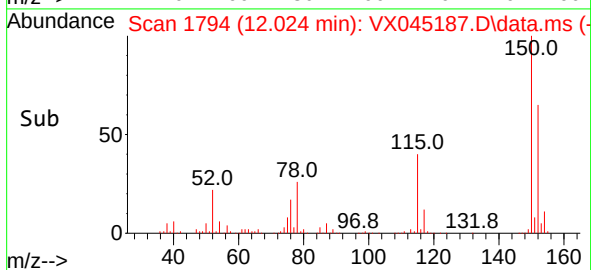
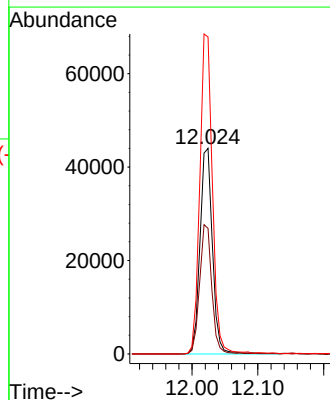
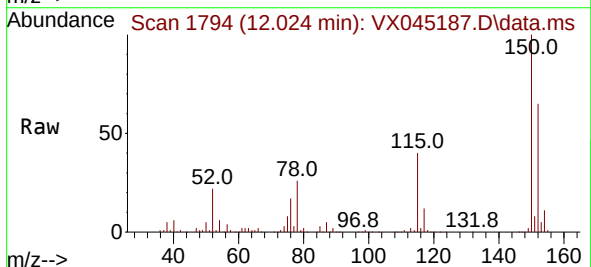
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250305

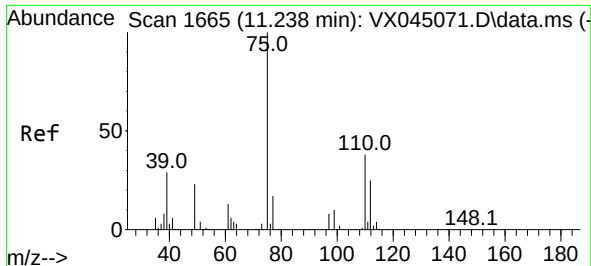
Tgt Ion:117 Resp: 133258
Ion Ratio Lower Upper
117 100
82 59.8 46.3 69.5
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

Tgt Ion:152 Resp: 58126
Ion Ratio Lower Upper
152 100
115 61.3 44.2 132.6
150 156.8 0.0 349.0

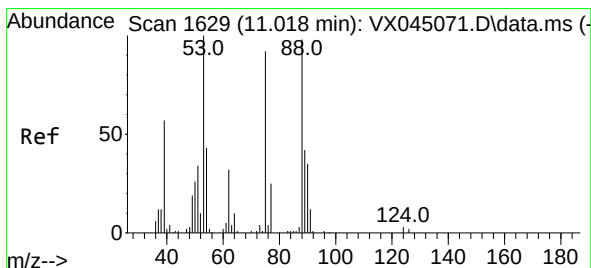
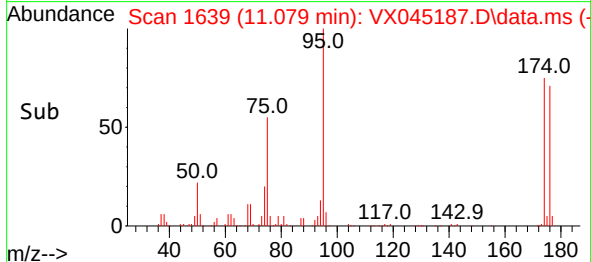
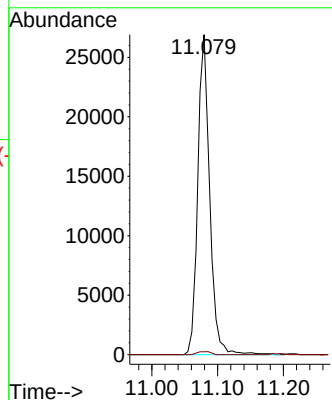
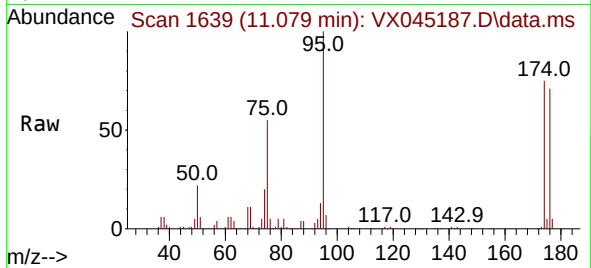




#76
1,2,3-Trichloropropane
Concen: 24.970 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

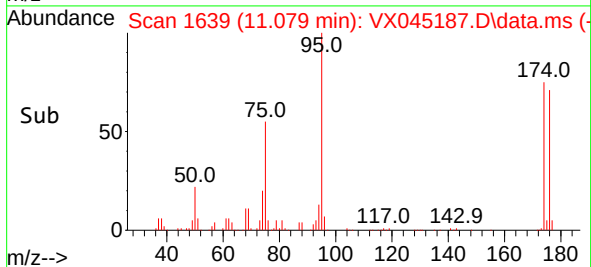
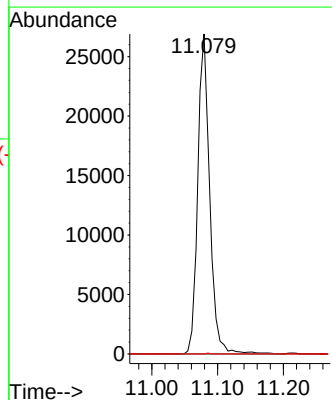
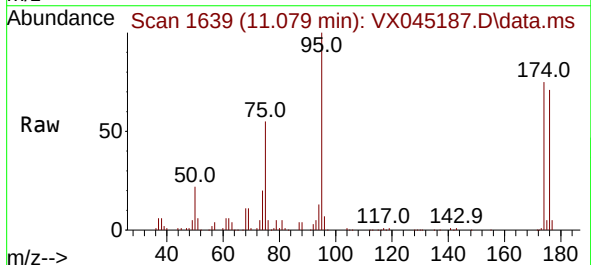
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20250305

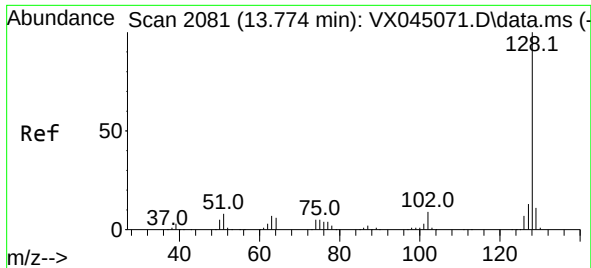
Tgt Ion: 75 Resp: 33782
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.453 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045187.D
Acq: 10 Mar 2025 11:47

Tgt Ion: 75 Resp: 33782
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.1 36.2 54.4#





#95

Naphthalene

Concen: 0.230 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045187.D

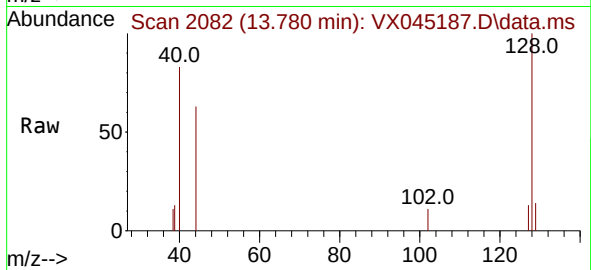
Acq: 10 Mar 2025 11:47

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20250305



Tgt Ion:128 Resp: 965

Ion Ratio Lower Upper

128 100

127 5.7 10.3 15.5#

129 2.8 8.7 13.1#

