

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045189.D
 Acq On : 10 Mar 2025 12:33
 Operator : JC/MD
 Sample : Q1500-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D2-20250304

Quant Time: Mar 11 03:53:27 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)

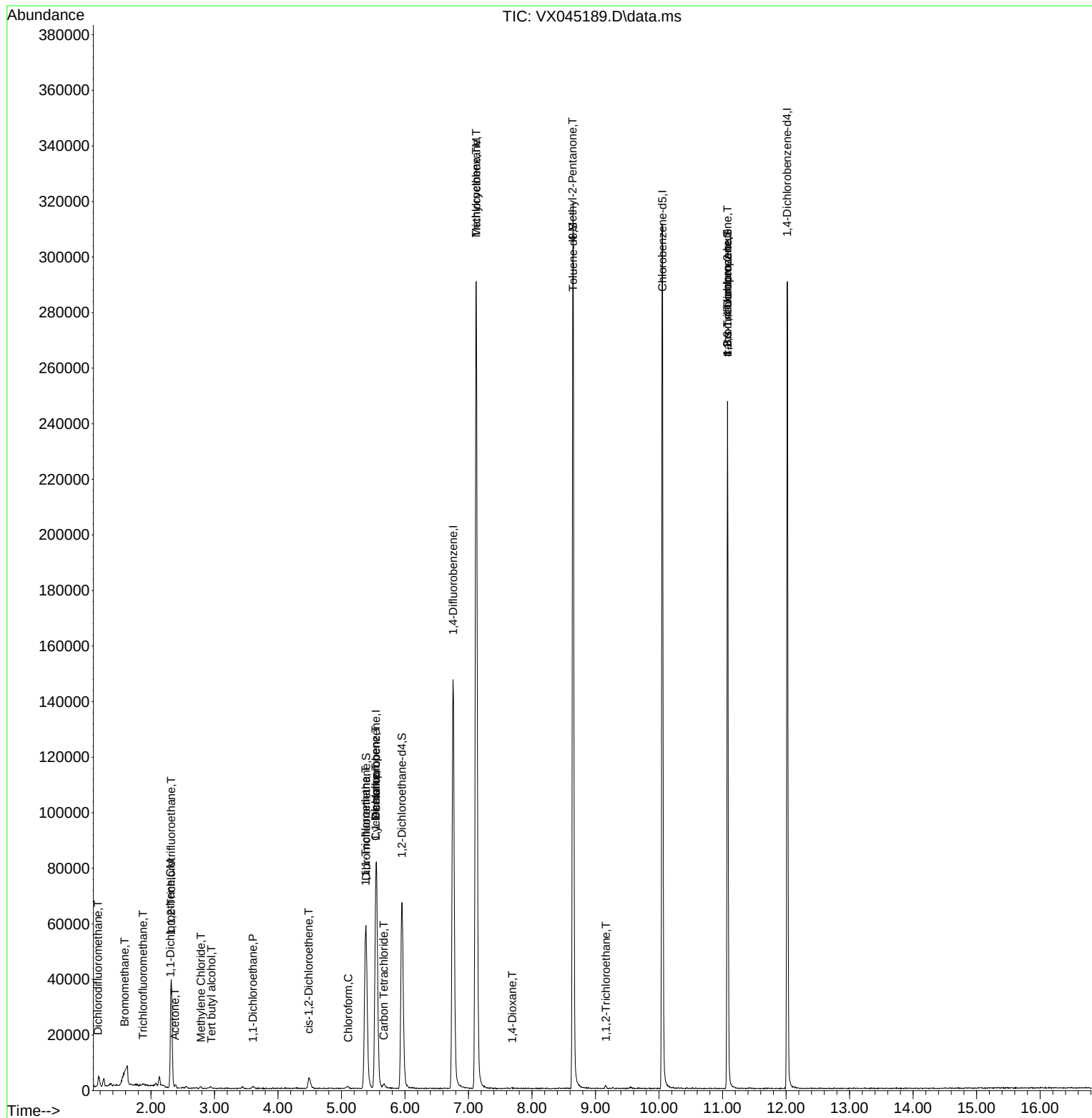
Internal Standards						
1) Pentafluorobenzene	5.544	168	76078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151155	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	138329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65001	53.714	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.420%	
35) Dibromofluoromethane	5.385	113	51885	51.334	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.660%	
50) Toluene-d8	8.647	98	188382	51.411	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.820%	
62) 4-Bromofluorobenzene	11.079	95	63599	52.378	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.760%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	821	0.857	ug/l	97
5) Bromomethane	1.587	94	104	0.228	ug/l #	3
7) Trichlorofluoromethane	1.874	101	454	0.295	ug/l #	62
9) 1,1,2-Trichlorotrifluo...	2.319	101	15311	17.316	ug/l	99
11) Tert butyl alcohol	2.953	59	257	1.121	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	966	1.033	ug/l	96
16) Acetone	2.380	43	832	1.482	ug/l	94
20) Methylene Chloride	2.788	84	315	0.283	ug/l #	74
24) 1,1-Dichloroethane	3.605	63	1157	0.610	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	2700	2.368	ug/l	90
30) Chloroform	5.105	83	991	0.526	ug/l	86
31) Cyclohexane	5.538	56	2094	1.272	ug/l #	56
32) 1,1,1-Trichloroethane	5.379	97	364	0.239	ug/l #	23
36) 1,1-Dichloropropene	5.538	75	6964	5.024	ug/l #	50
38) Carbon Tetrachloride	5.666	117	1023	0.727	ug/l	89
39) Methylcyclohexane	7.123	83	1459	0.878	ug/l #	1
44) Trichloroethene	7.123	130	110033	107.060	ug/l	98
49) 1,4-Dioxane	7.690	88	335	11.986	ug/l #	75
51) 4-Methyl-2-Pentanone	8.641	43	1148	0.647	ug/l #	1
55) 1,1,2-Trichloroethane	9.165	97	369	0.349	ug/l #	93
76) 1,2,3-Trichloropropane	11.079	75	34438	25.707	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34438	87.973	ug/l #	6

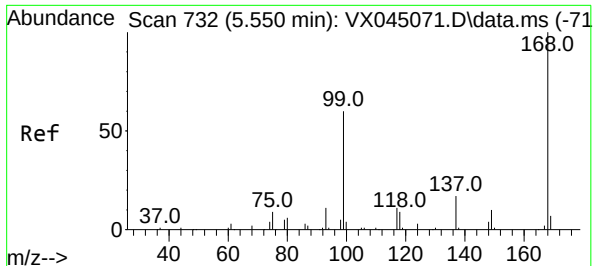
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

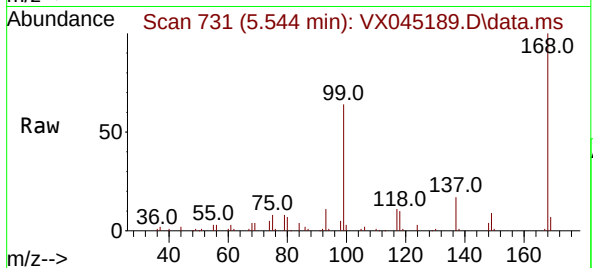
Quant Time: Mar 11 03:53:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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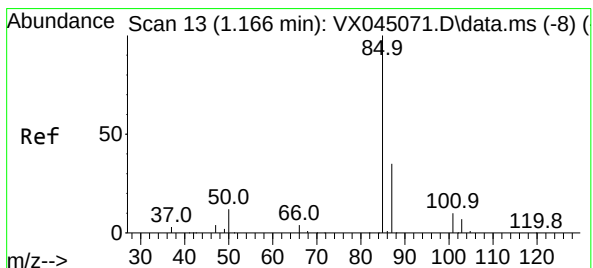
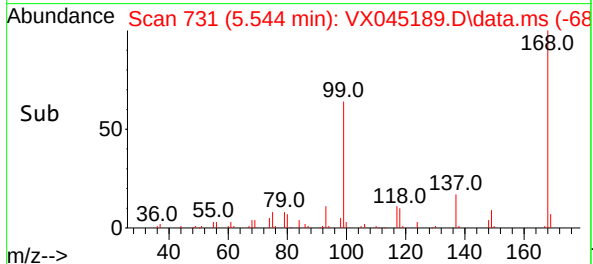
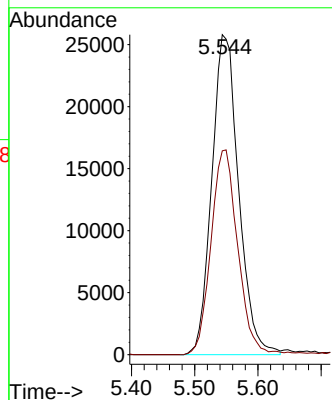


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

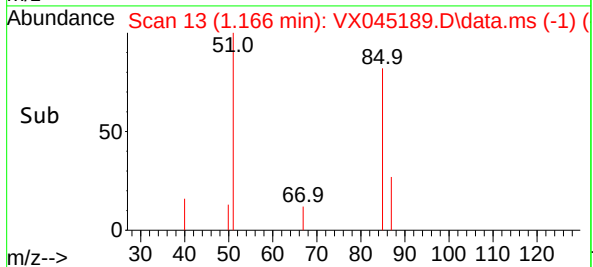
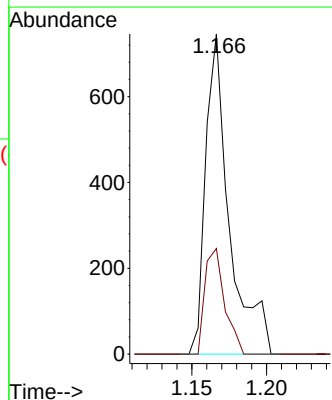
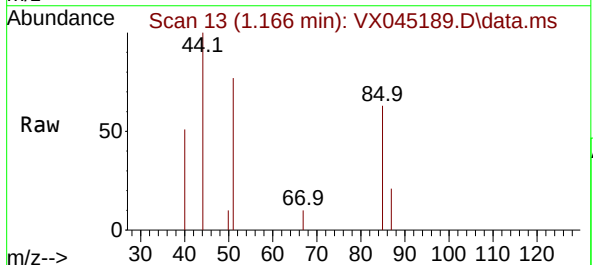


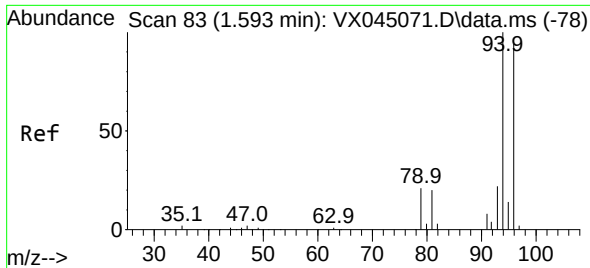
Tgt Ion:168 Resp: 76078
Ion Ratio Lower Upper
168 100
99 63.7 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.857 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion: 85 Resp: 821
Ion Ratio Lower Upper
85 100
87 33.0 17.4 52.3

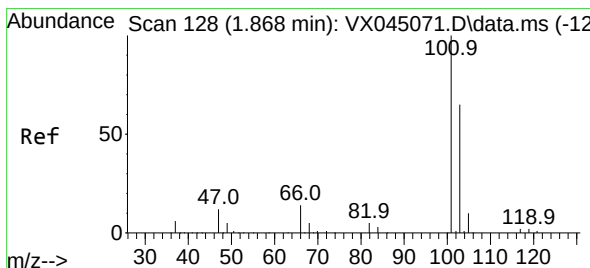
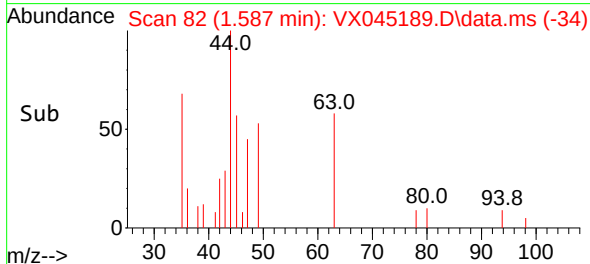
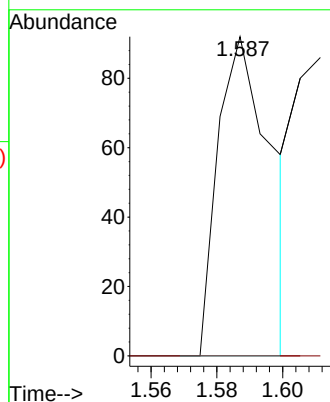
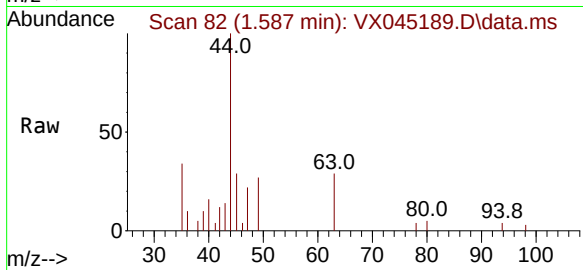




#5
Bromomethane
Concen: 0.228 ug/l
RT: 1.587 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

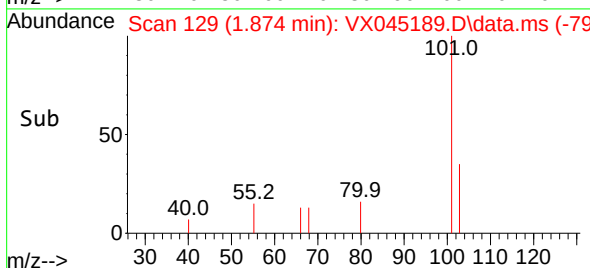
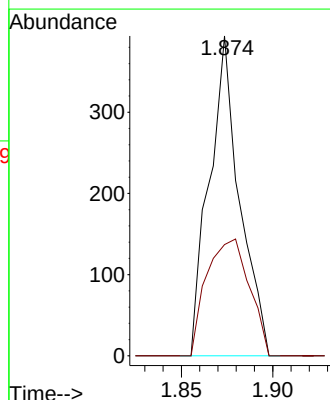
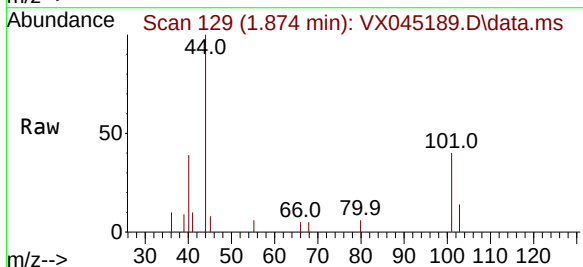
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

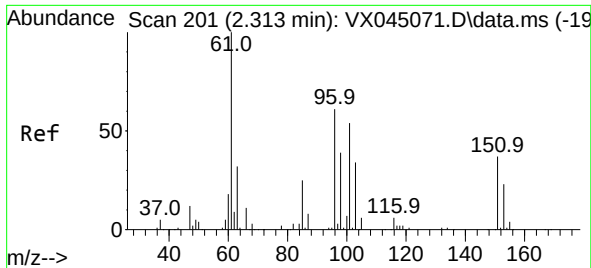
Tgt Ion: 94 Resp: 104
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#



#7
Trichlorofluoromethane
Concen: 0.295 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.006 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion:101 Resp: 454
Ion Ratio Lower Upper
101 100
103 34.8 52.1 78.1#

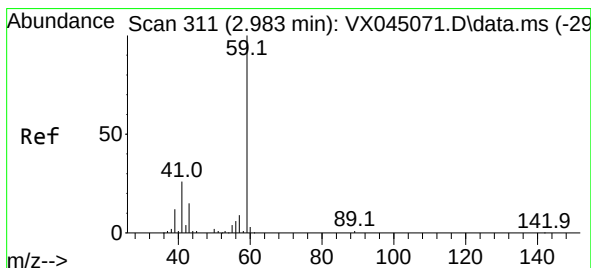
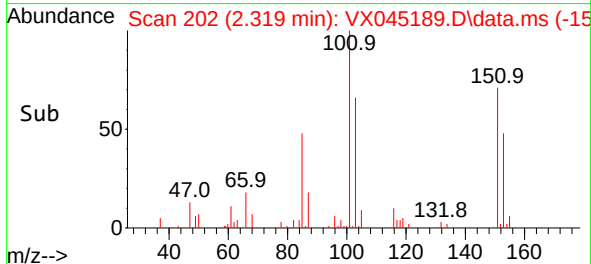
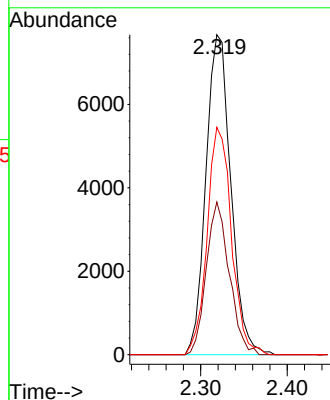
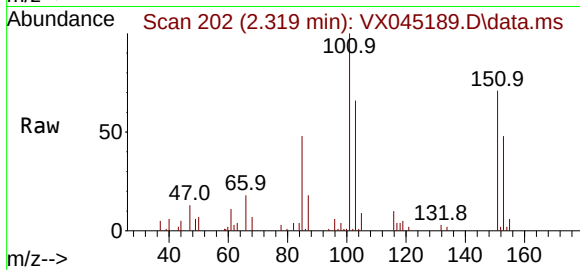




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.316 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

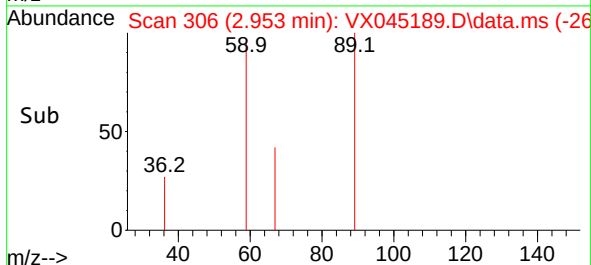
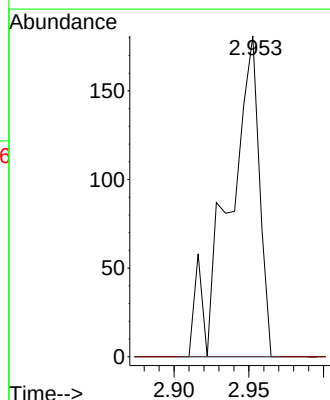
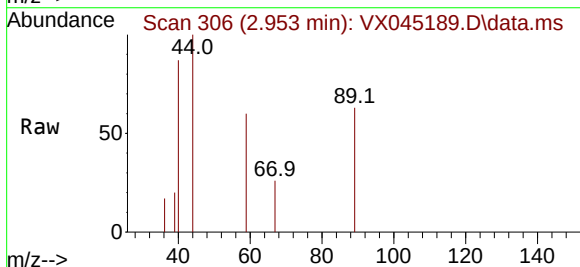
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

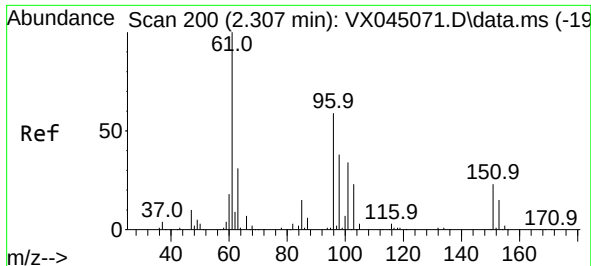
Tgt Ion	101	Resp	15311
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.2	54.4
151	69.6	56.4	84.6



#11
Tert butyl alcohol
Concen: 1.121 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion	59	Resp	257
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
59	100		
57	0.0	7.8	11.8





#12

1,1-Dichloroethene

Concen: 1.033 ug/l

RT: 2.306 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX045189.D

Acq: 10 Mar 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20250304

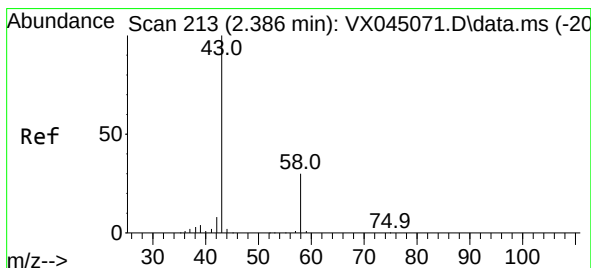
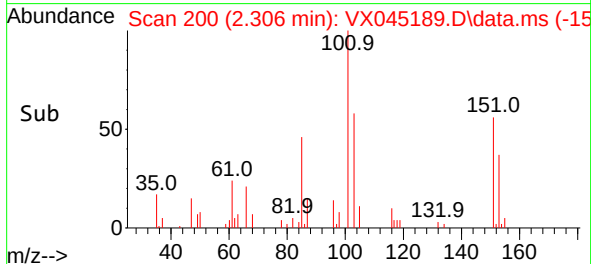
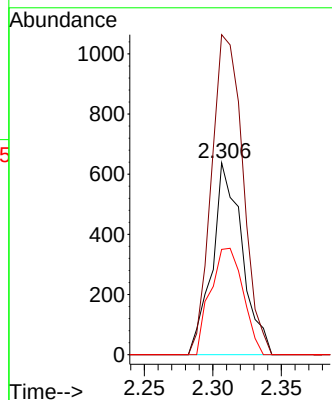
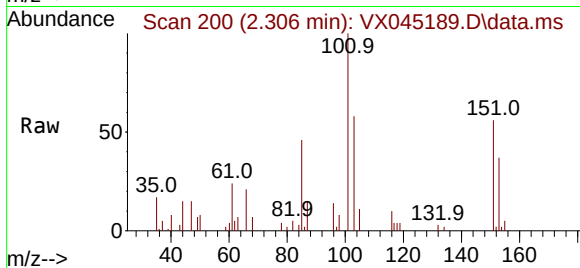
Tgt Ion: 96 Resp: 966

Ion Ratio Lower Upper

96 100

61 166.8 134.6 202.0

98 54.9 51.0 76.6



#16

Acetone

Concen: 1.482 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045189.D

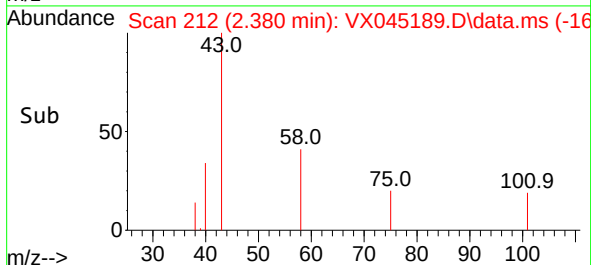
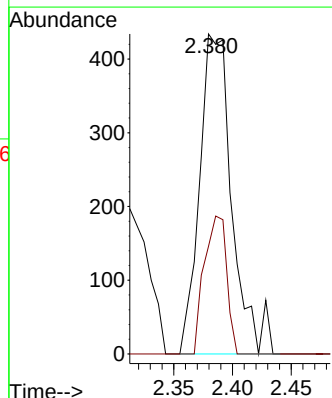
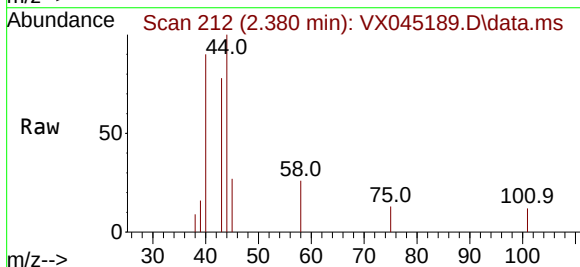
Acq: 10 Mar 2025 12:33

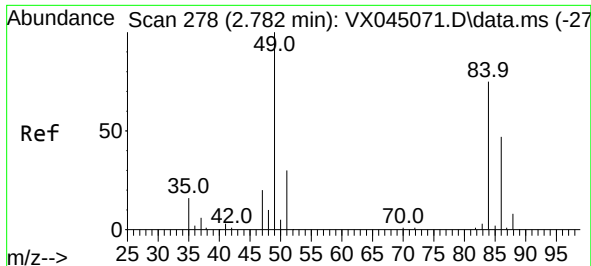
Tgt Ion: 43 Resp: 832

Ion Ratio Lower Upper

43 100

58 33.6 24.2 36.4

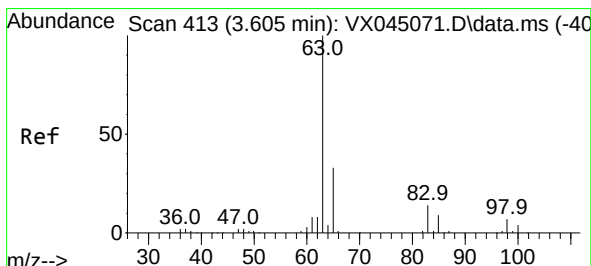
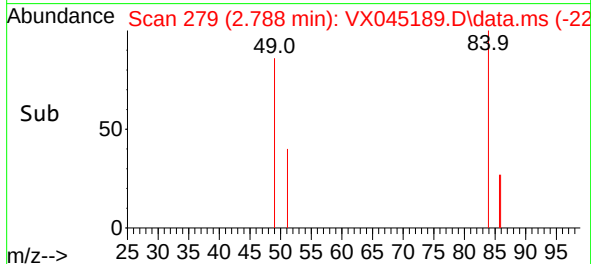
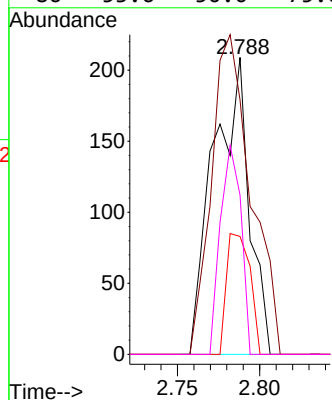
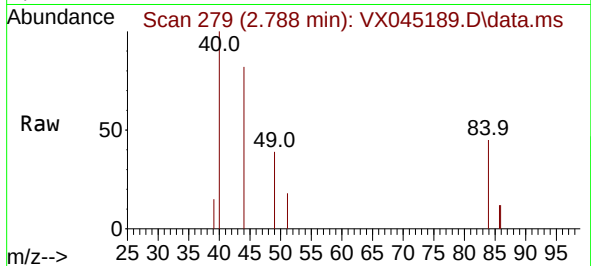




#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

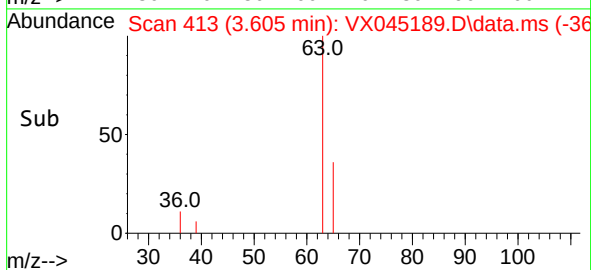
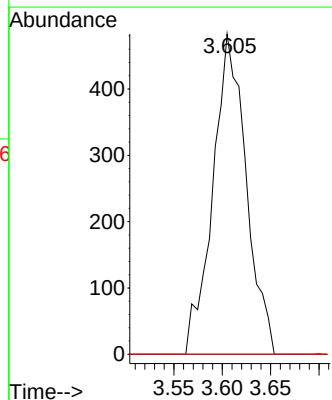
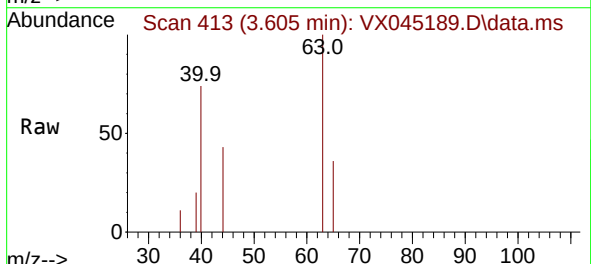
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

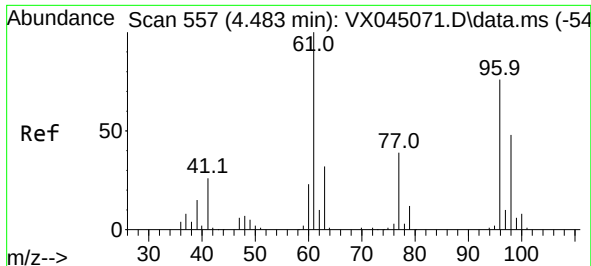
Tgt Ion:	84	Resp:	315
Ion	Ratio	Lower	Upper
84	100		
49	85.6	106.5	159.7#
51	39.7	32.1	48.1
86	53.6	50.0	75.0



#24
1,1-Dichloroethane
Concen: 0.610 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion:	63	Resp:	1157
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#





#27

cis-1,2-Dichloroethene

Concen: 2.368 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045189.D

Acq: 10 Mar 2025 12:33

Instrument :

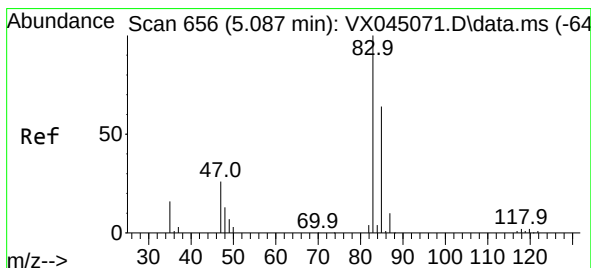
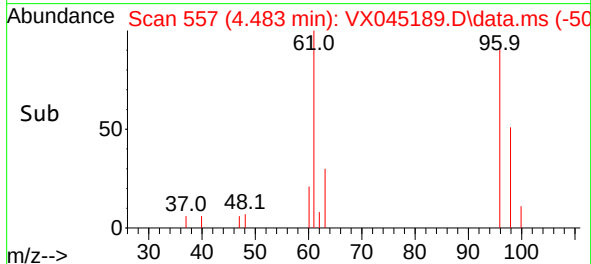
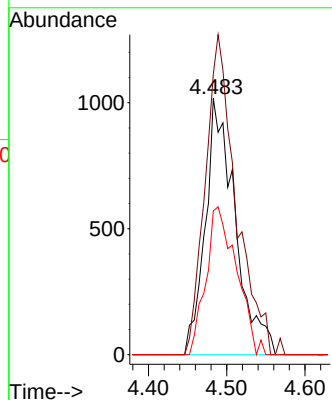
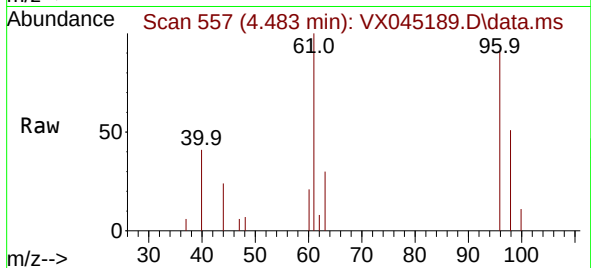
MSVOA_X

ClientSampleId :

RE114D2-20250304

Tgt Ion: 96 Resp: 2700

Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	283.2
98	59.0	0.0	128.0



#30

Chloroform

Concen: 0.526 ug/l

RT: 5.105 min Scan# 659

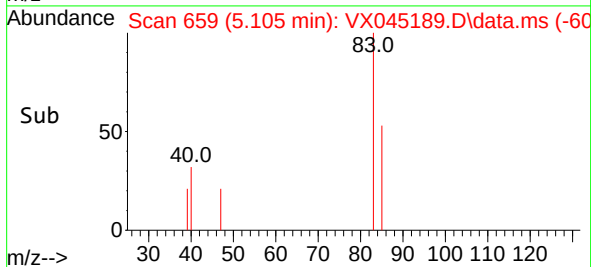
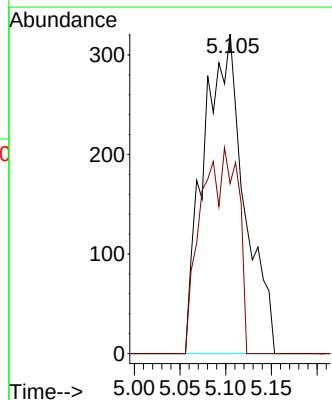
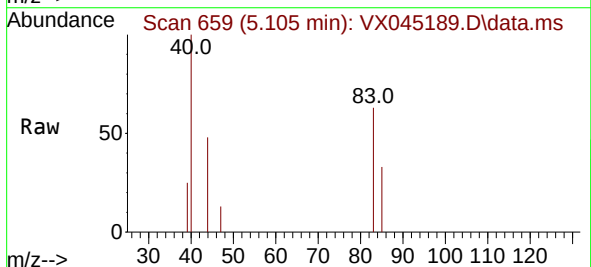
Delta R.T. 0.018 min

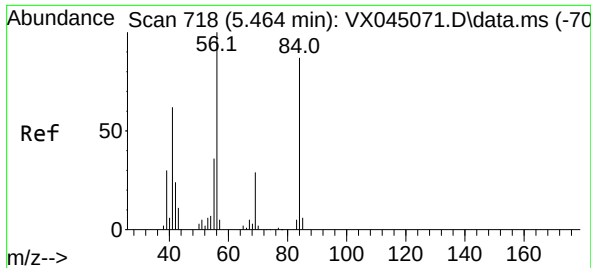
Lab File: VX045189.D

Acq: 10 Mar 2025 12:33

Tgt Ion: 83 Resp: 991

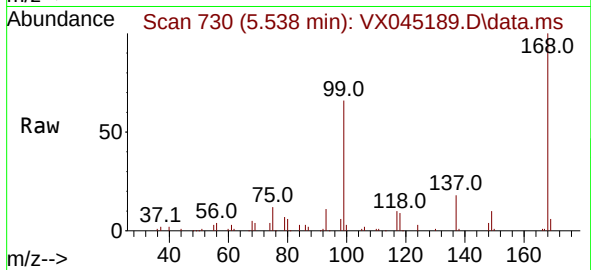
Ion	Ratio	Lower	Upper
83	100		
85	53.3	51.4	77.2



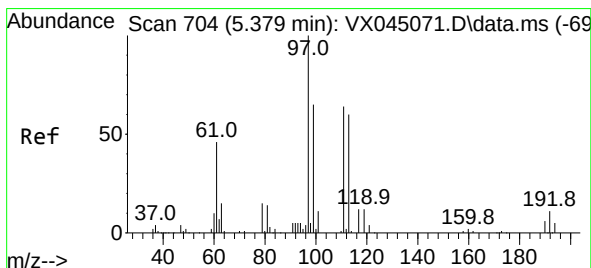
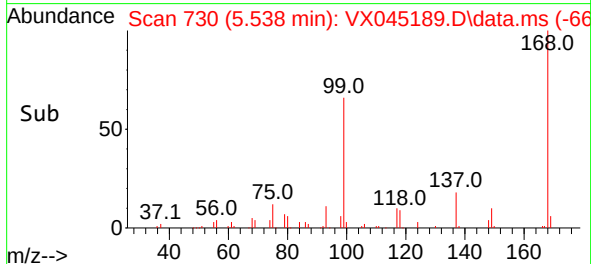
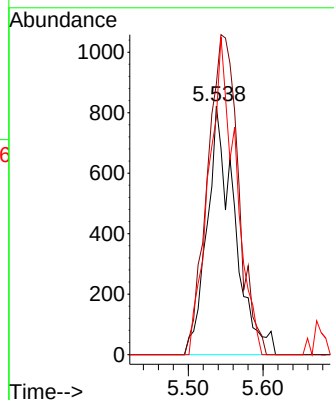


#31
Cyclohexane
Concen: 1.272 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

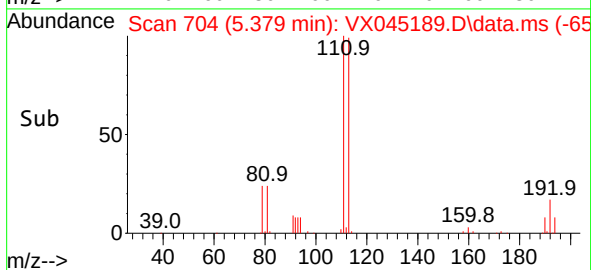
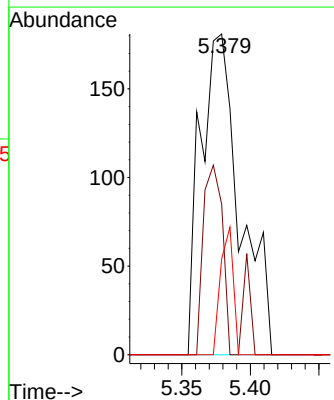
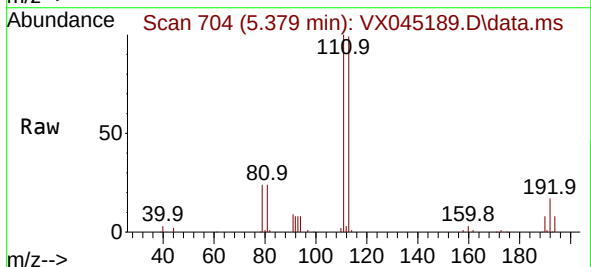


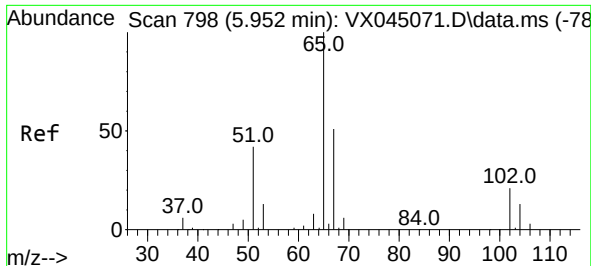
Tgt Ion: 56 Resp: 2094
Ion Ratio Lower Upper
56 100
69 108.9 23.4 35.2#
84 95.3 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 0.239 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion: 97 Resp: 364
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 0.0 38.4 57.6#





#33

1,2-Dichloroethane-d4

Concen: 53.714 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045189.D

Acq: 10 Mar 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

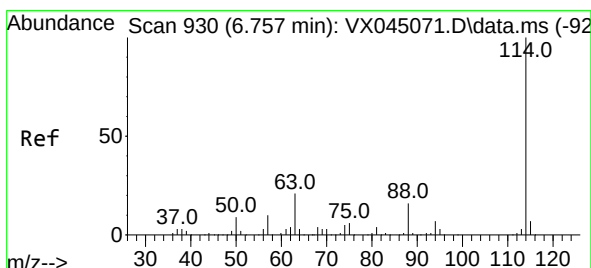
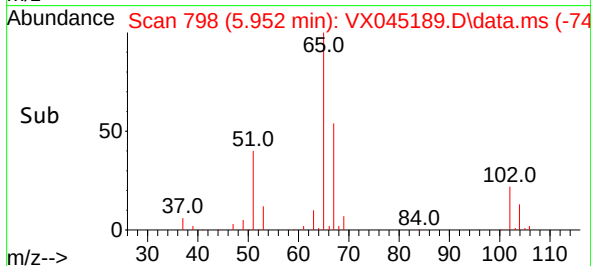
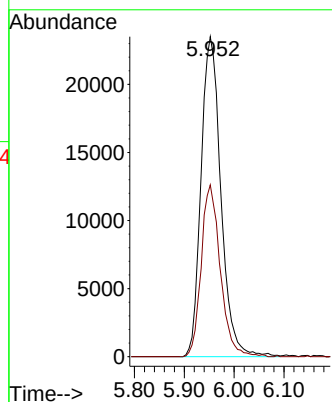
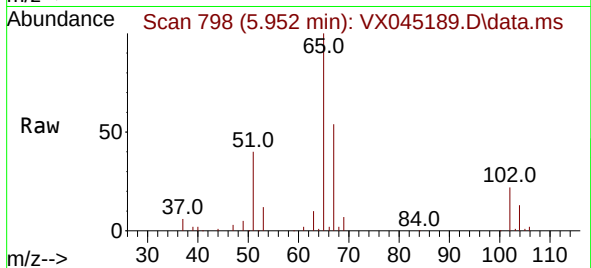
RE114D2-20250304

Tgt Ion: 65 Resp: 65001

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045189.D

Acq: 10 Mar 2025 12:33

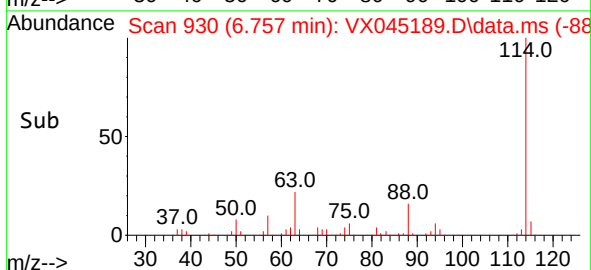
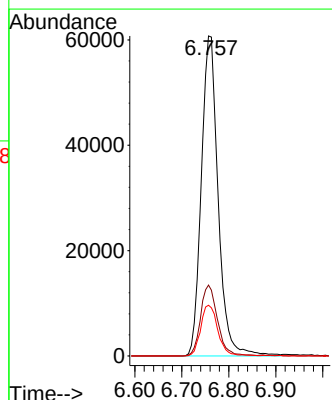
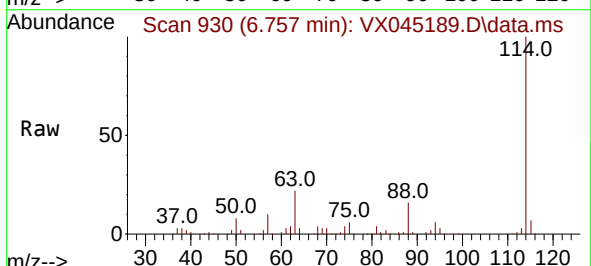
Tgt Ion: 114 Resp: 151155

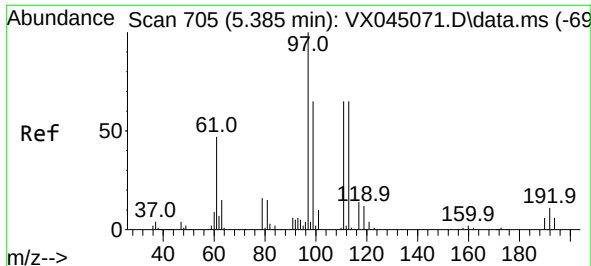
Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

88 15.9 0.0 32.8

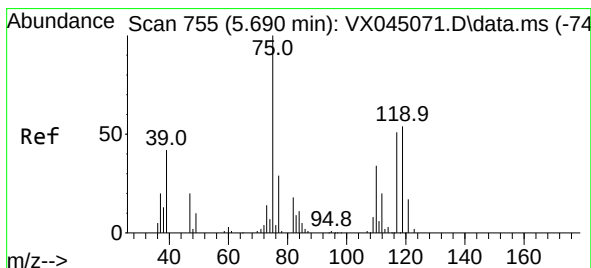
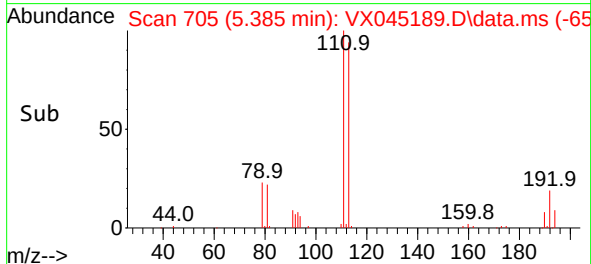
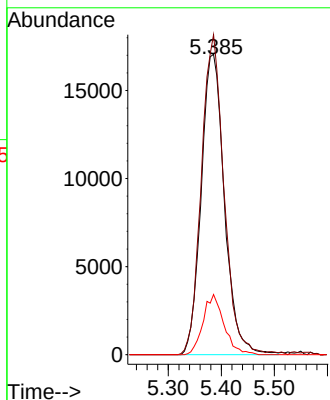
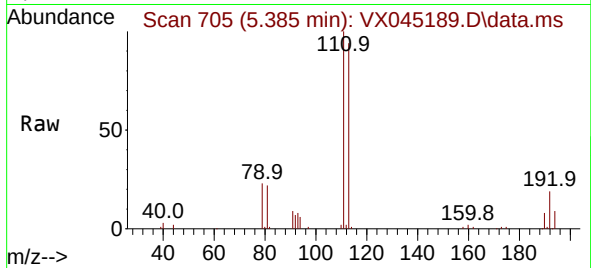




#35
Dibromofluoromethane
Concen: 51.334 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

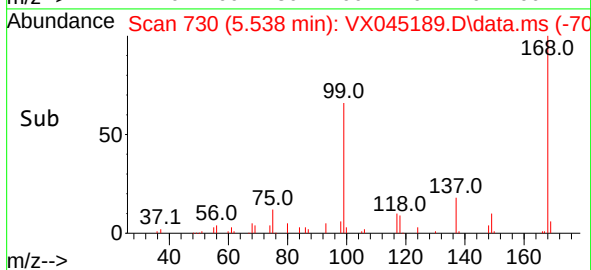
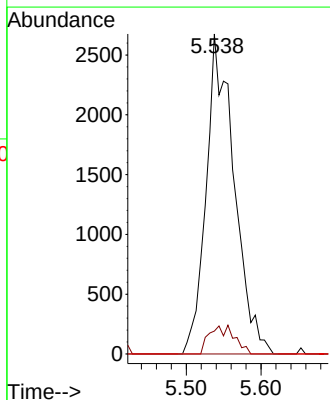
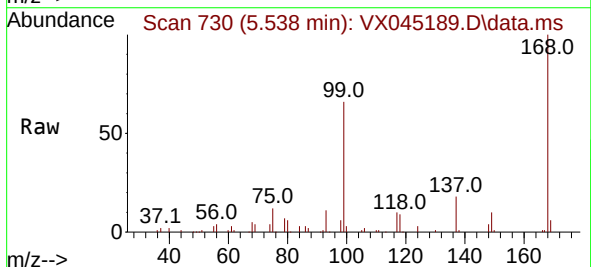
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

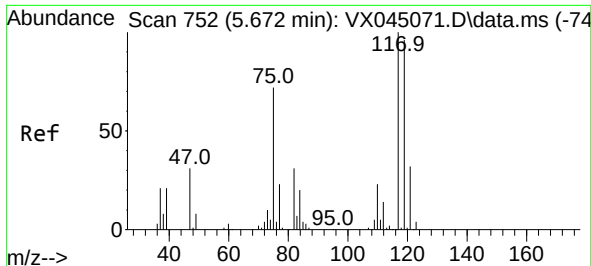
Tgt Ion:113 Resp: 51885
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.6
192 18.1 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.024 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.152 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion: 75 Resp: 6964
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.0 24.5 36.7#

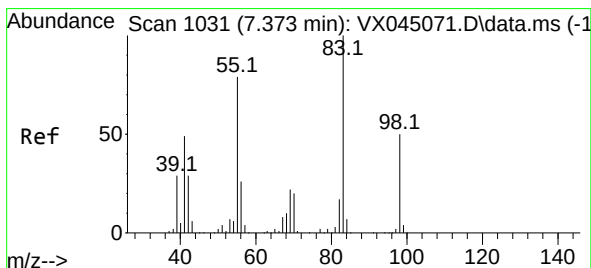
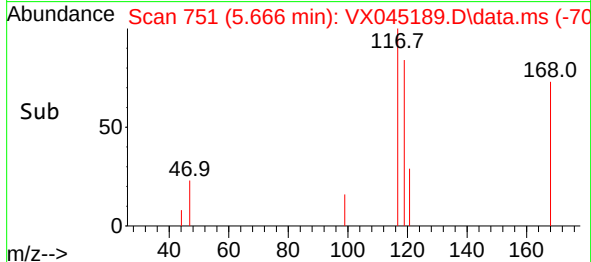
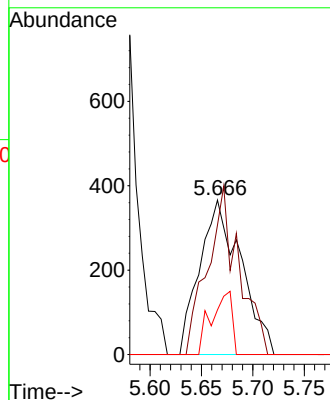
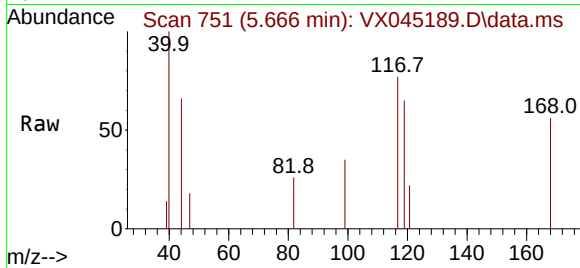




#38
Carbon Tetrachloride
Concen: 0.727 ug/l
RT: 5.666 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

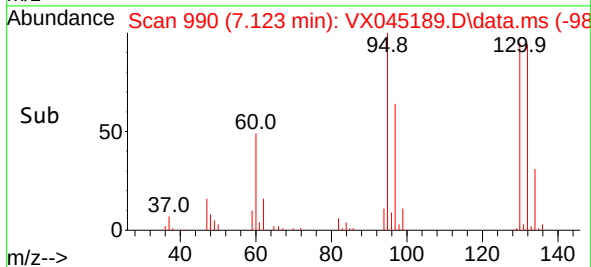
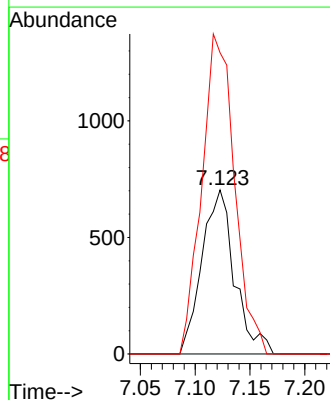
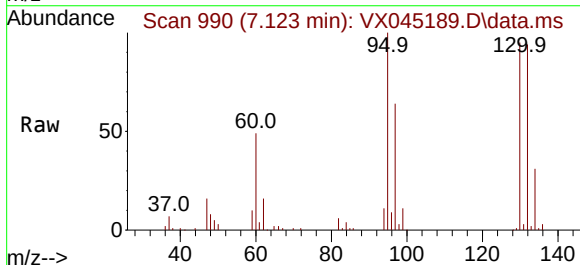
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

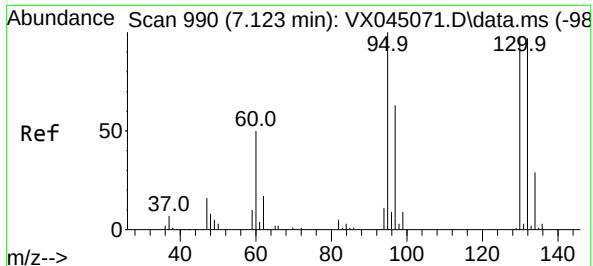
Tgt Ion:117 Resp: 1023
Ion Ratio Lower Upper
117 100
119 83.9 76.7 115.1
121 29.0 25.5 38.3



#39
Methylcyclohexane
Concen: 0.878 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion: 83 Resp: 1459
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 183.7 39.7 59.5#

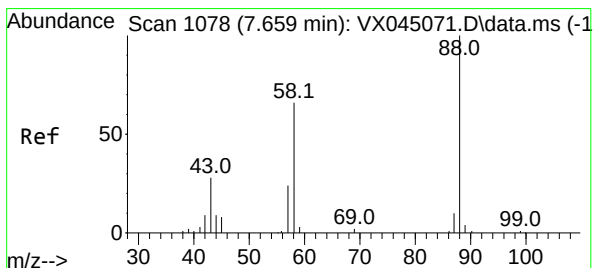
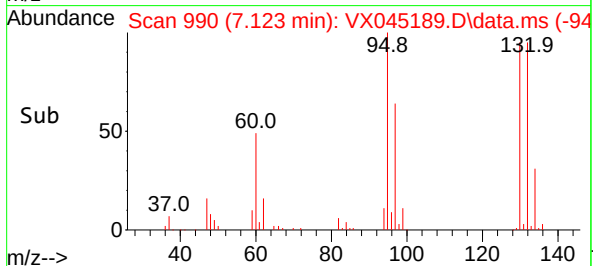
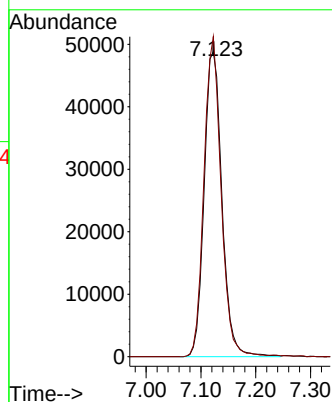
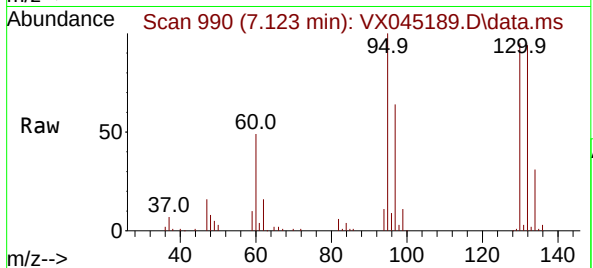




#44
Trichloroethene
Concen: 107.060 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

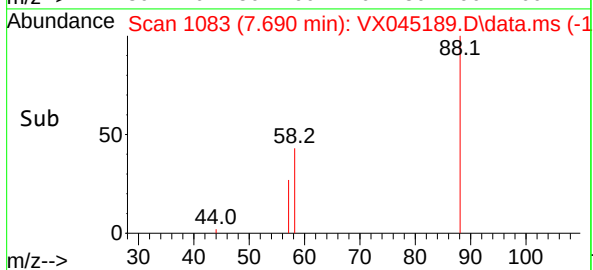
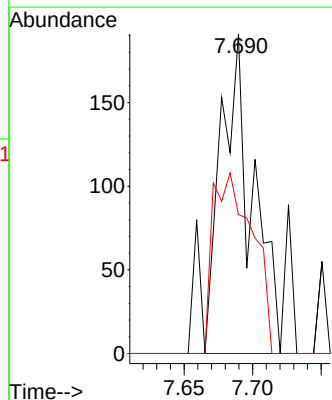
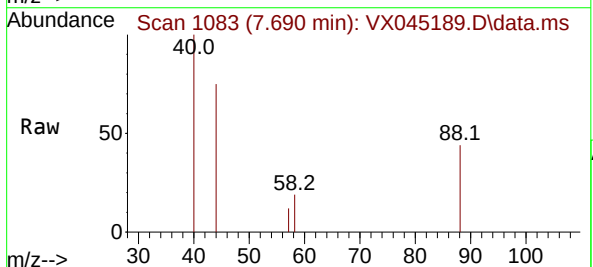
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

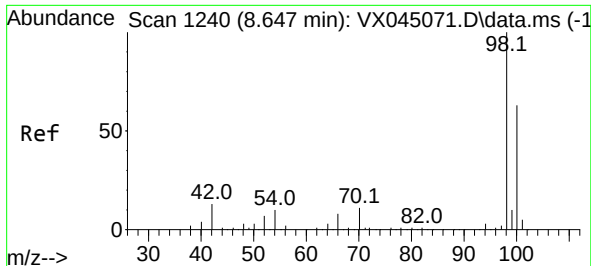
Tgt Ion:130 Resp: 110033
Ion Ratio Lower Upper
130 100
95 105.0 0.0 205.0



#49
1,4-Dioxane
Concen: 11.986 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.030 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion: 88 Resp: 335
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 65.1 55.8 83.8

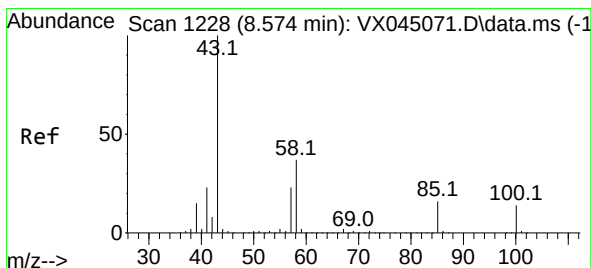
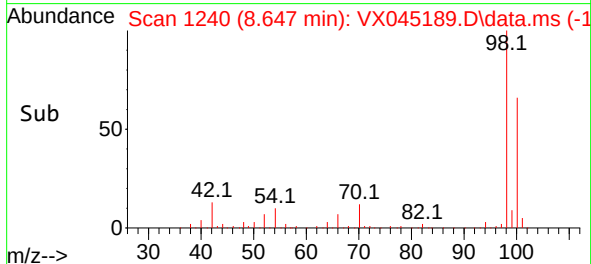
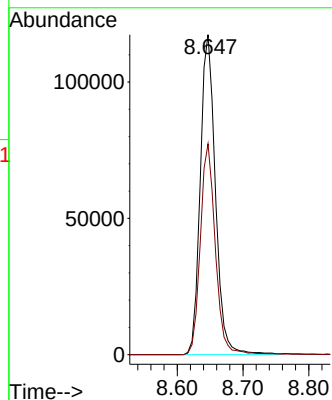
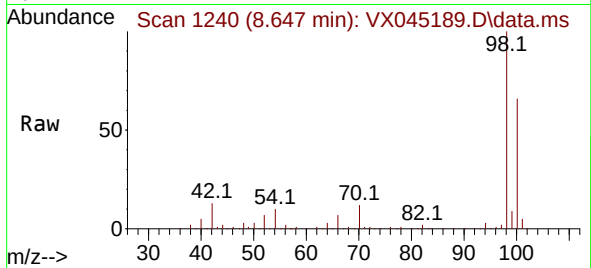




#50
Toluene-d8
Concen: 51.411 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

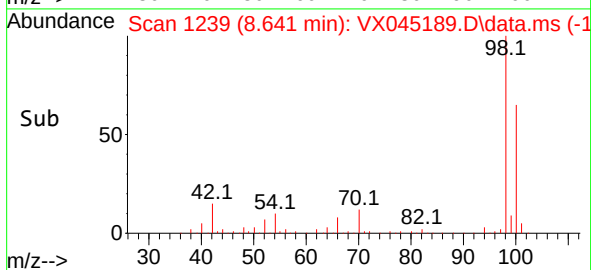
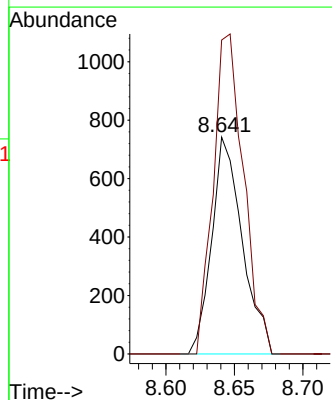
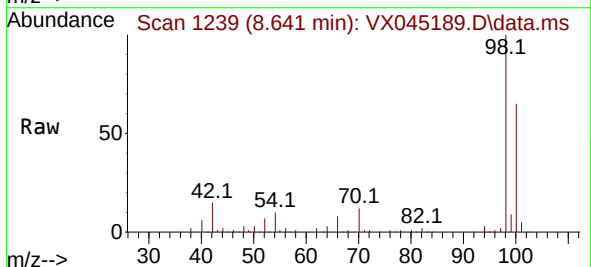
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

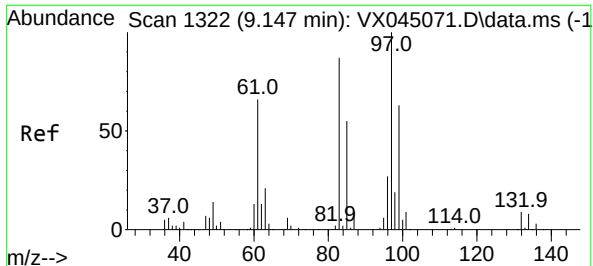
Tgt Ion: 98 Resp: 188382
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.647 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
58 147.1 29.2 43.8#

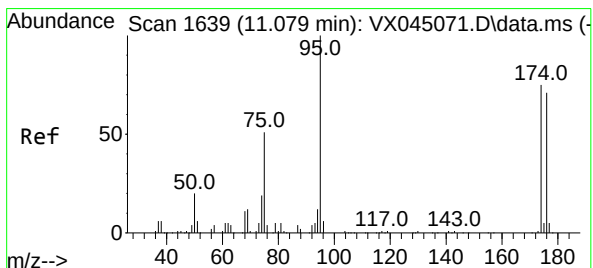
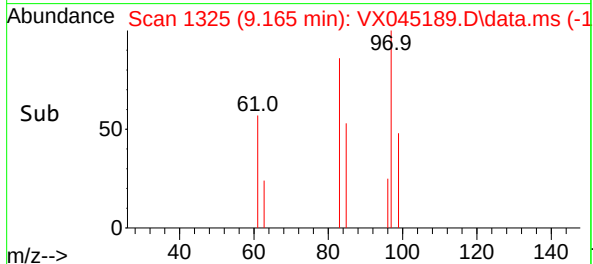
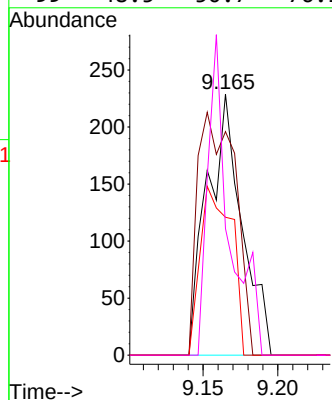
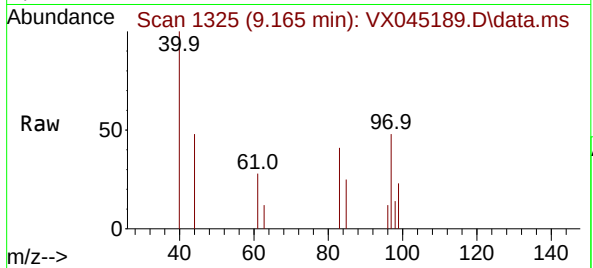




#55
 1,1,2-Trichloroethane
 Concen: 0.349 ug/l
 RT: 9.165 min Scan# 11
 Delta R.T. 0.018 min
 Lab File: VX045189.D
 Acq: 10 Mar 2025 12:33

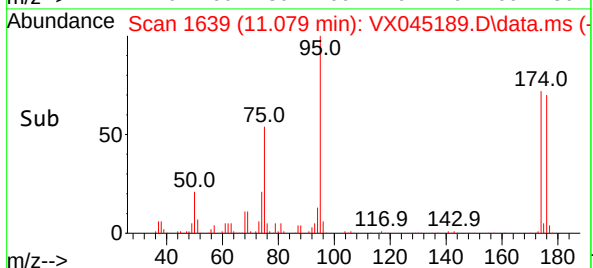
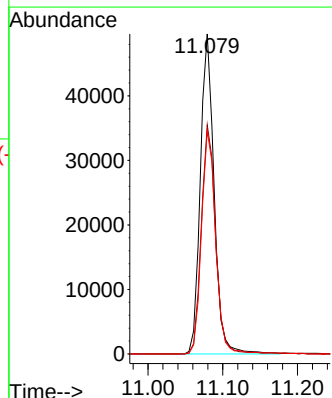
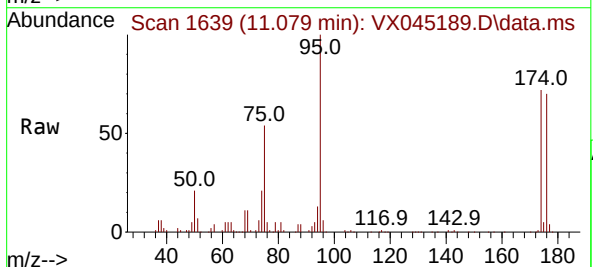
Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D2-20250304

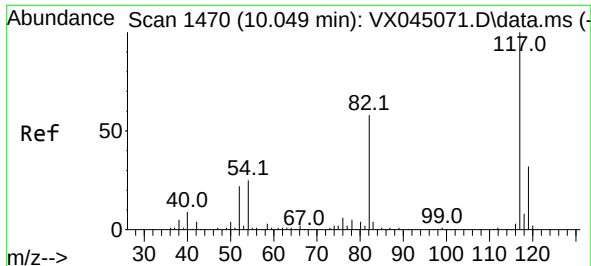
Tgt Ion: 97	Resp: 369
Ion Ratio	Lower Upper
97 100	
83 85.6	69.4 104.2
85 52.8	44.1 66.1
99 48.5	50.7 76.1#



#62
 4-Bromofluorobenzene
 Concen: 52.378 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VX045189.D
 Acq: 10 Mar 2025 12:33

Tgt Ion: 95	Resp: 63599
Ion Ratio	Lower Upper
95 100	
174 73.7	0.0 148.2
176 71.4	0.0 141.4

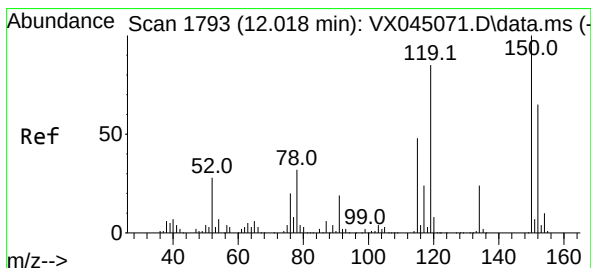
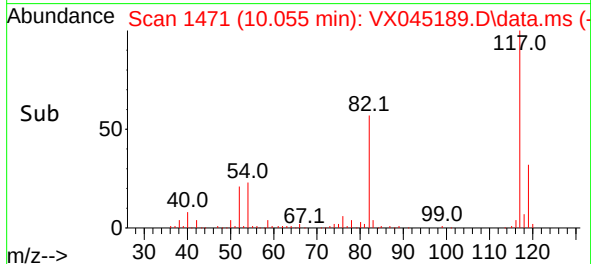
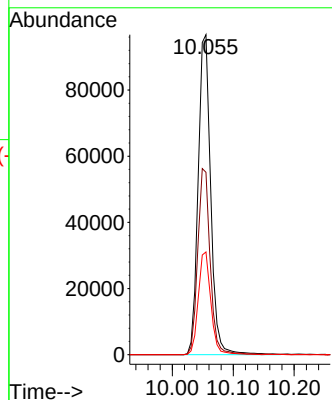
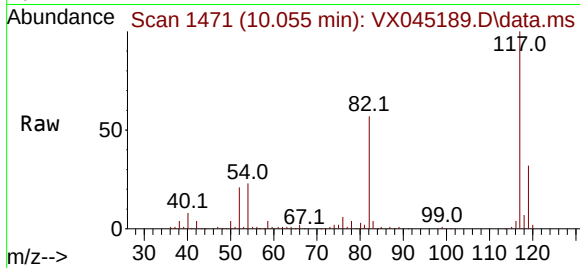




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

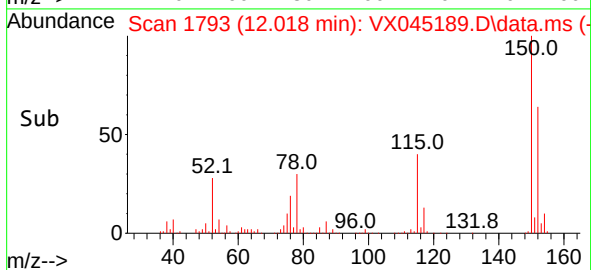
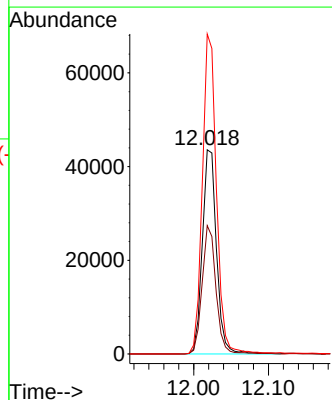
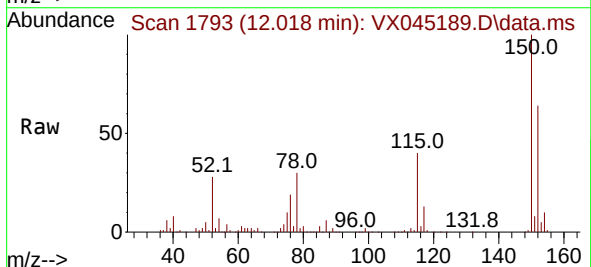
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

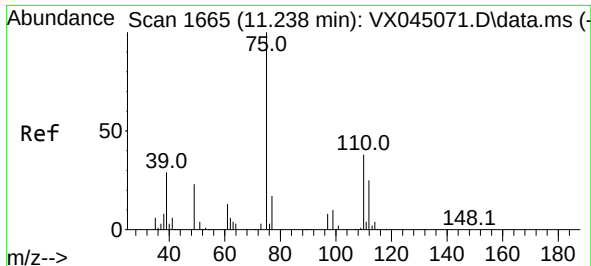
Tgt Ion:117 Resp: 138329
Ion Ratio Lower Upper
117 100
82 57.0 46.3 69.5
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion:152 Resp: 57557
Ion Ratio Lower Upper
152 100
115 61.2 44.2 132.6
150 156.1 0.0 349.0

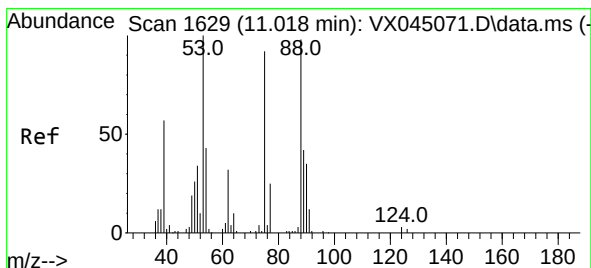
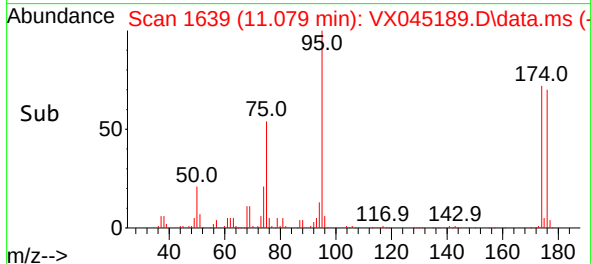
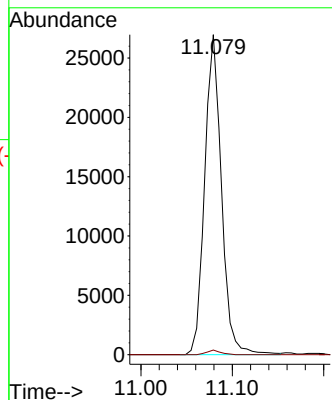
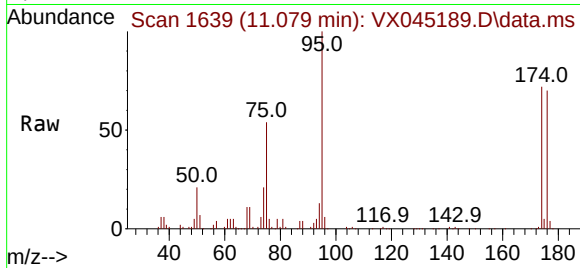




#76
1,2,3-Trichloropropane
Concen: 25.707 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

Tgt Ion: 75 Resp: 34438
Ion Ratio Lower Upper
75 100
77 1.2 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.973 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion: 75 Resp: 34438
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

