

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045414.D
 Acq On : 24 Mar 2025 14:54
 Operator : JC/MD
 Sample : Q1608-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20250318

Quant Time: Mar 25 01:34:48 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)

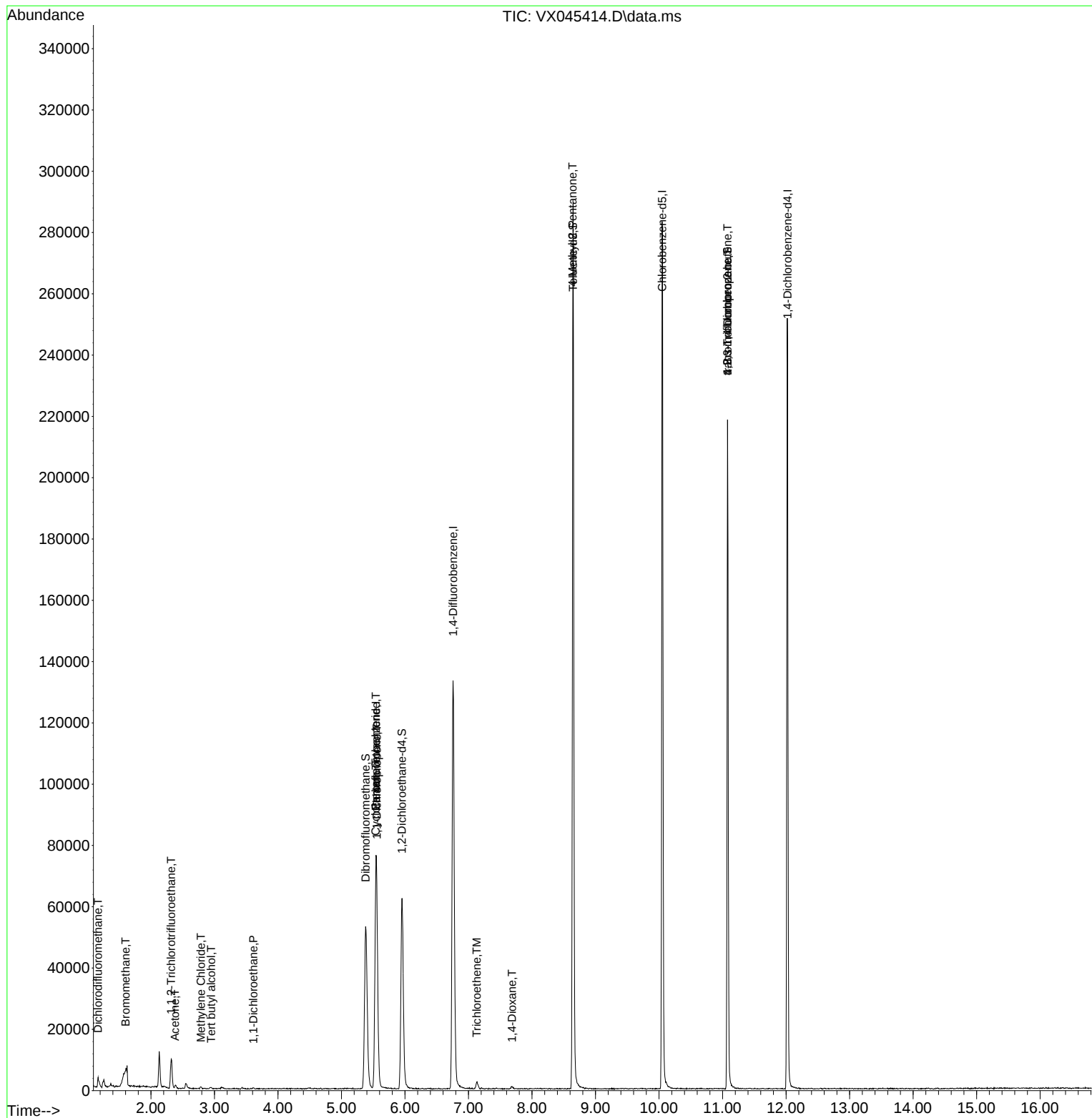
Internal Standards						
1) Pentafluorobenzene	5.544	168	66901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130401	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61019	57.340	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.680%	
35) Dibromofluoromethane	5.379	113	46462	53.285	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.560%	
50) Toluene-d8	8.647	98	159947	50.598	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.200%	
62) 4-Bromofluorobenzene	11.079	95	56165	53.618	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.240%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1624	1.928	ug/l	89
5) Bromomethane	1.599	94	150	0.373	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.319	101	3818	4.910	ug/l	96
11) Tert butyl alcohol	2.947	59	189	0.938	ug/l #	73
16) Acetone	2.380	43	879	1.780	ug/l	92
20) Methylene Chloride	2.788	84	284	0.290	ug/l #	58
24) 1,1-Dichloroethane	3.611	63	591	0.354	ug/l #	83
31) Cyclohexane	5.538	56	2026	1.399	ug/l #	61
36) 1,1-Dichloropropene	5.556	75	6157	5.149	ug/l #	52
38) Carbon Tetrachloride	5.544	117	7943	6.543	ug/l #	15
44) Trichloroethene	7.129	130	1028	1.159	ug/l	62
49) 1,4-Dioxane	7.683	88	533	22.105	ug/l #	87
51) 4-Methyl-2-Pentanone	8.641	43	892	0.583	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	31394	27.789	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31394	95.099	ug/l #	6

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

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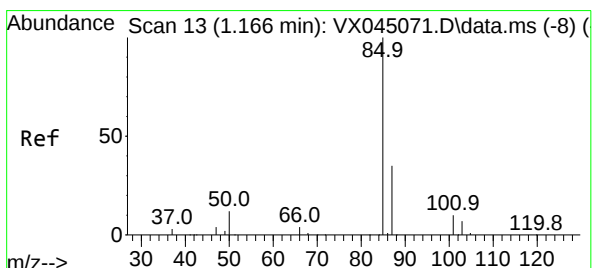
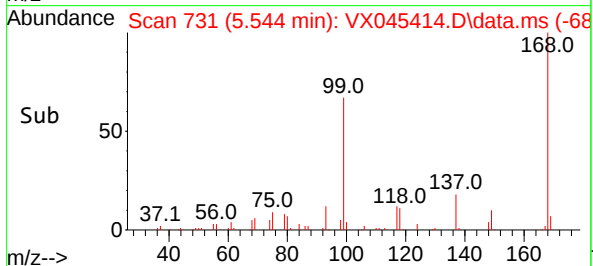
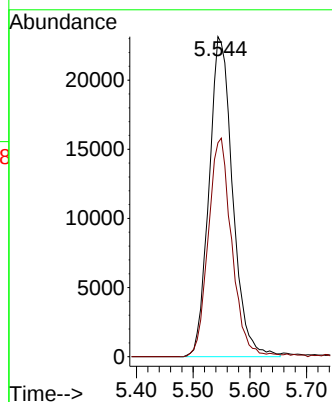
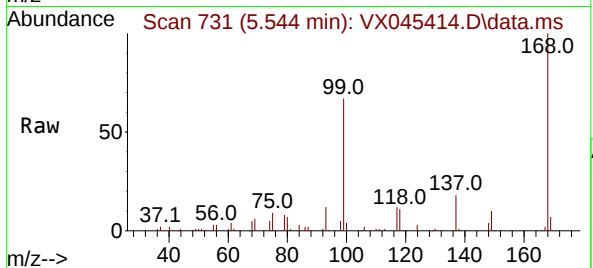




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

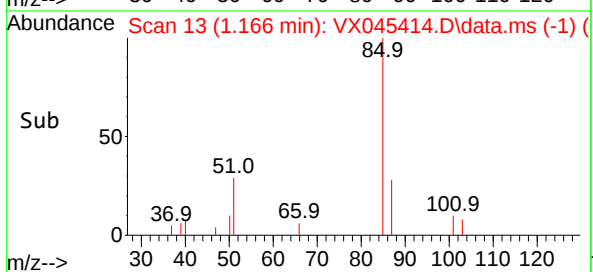
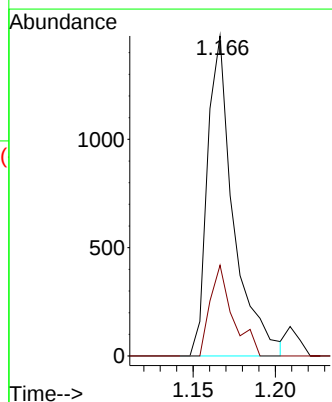
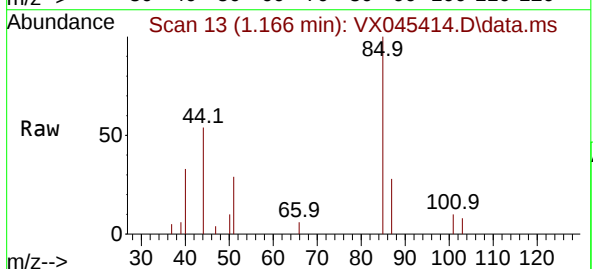
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318

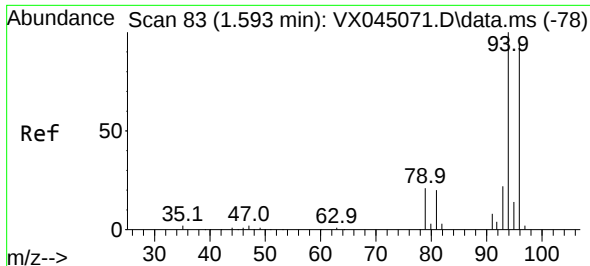
Tgt Ion:168 Resp: 66901
Ion Ratio Lower Upper
168 100
99 66.9 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 1.928 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Tgt Ion: 85 Resp: 1624
Ion Ratio Lower Upper
85 100
87 28.4 17.4 52.3

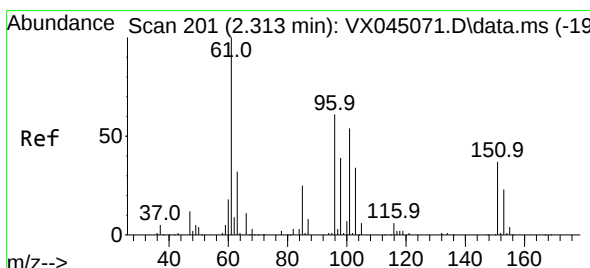
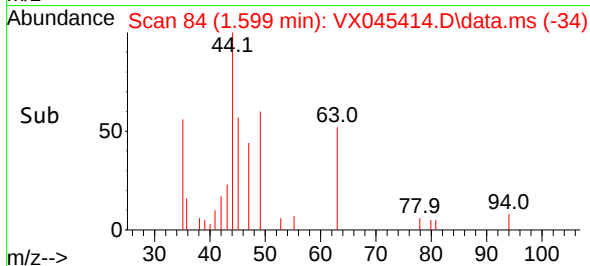
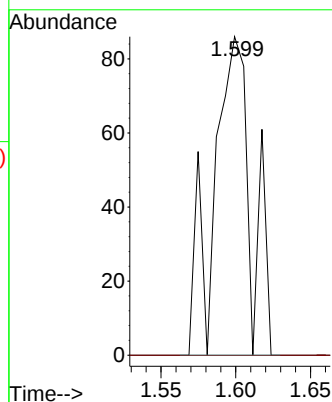
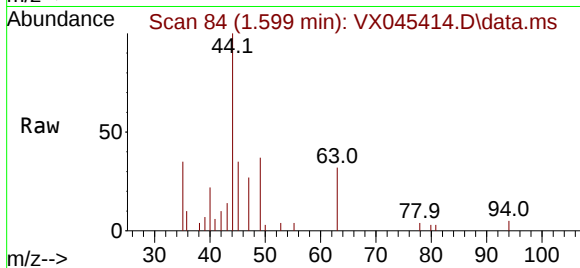




#5
Bromomethane
Concen: 0.373 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

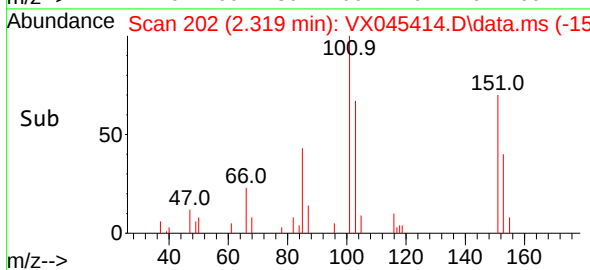
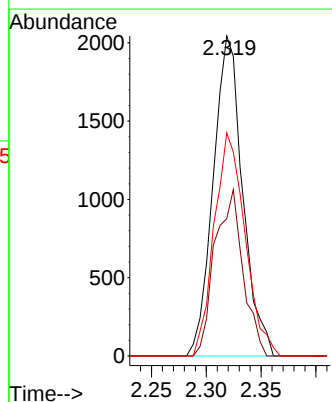
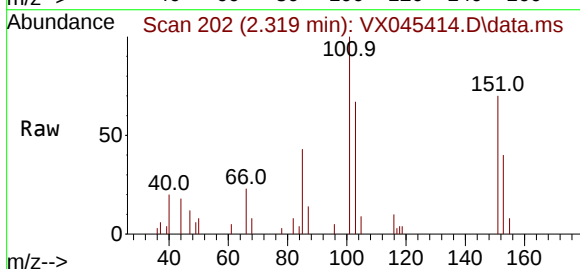
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318

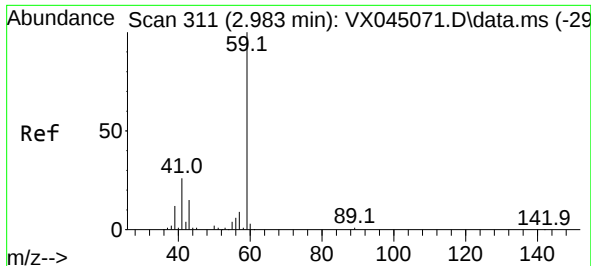
Tgt Ion: 94 Resp: 150
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.910 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Tgt Ion:101 Resp: 3818
Ion Ratio Lower Upper
101 100
85 49.6 36.2 54.4
151 72.8 56.4 84.6

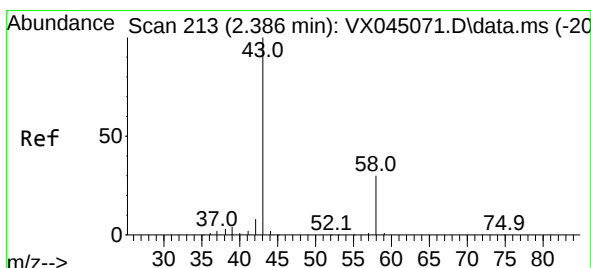
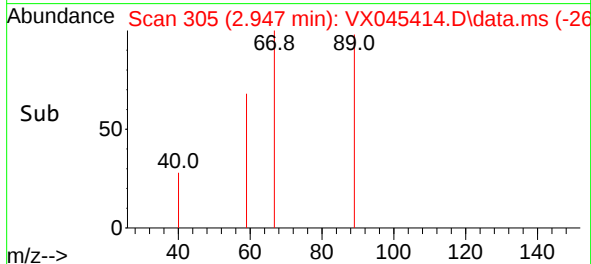
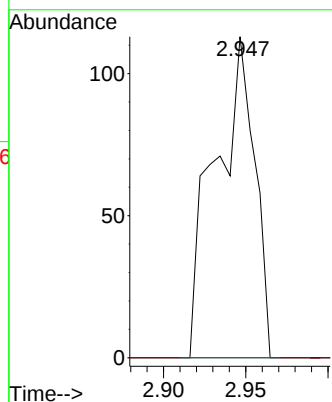
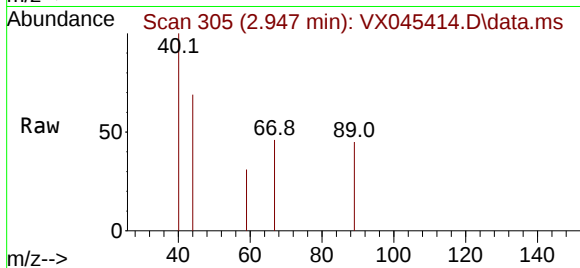




#11
Tert butyl alcohol
Concen: 0.938 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

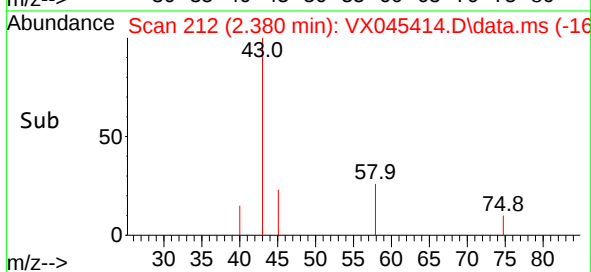
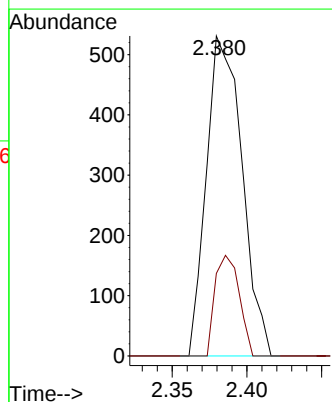
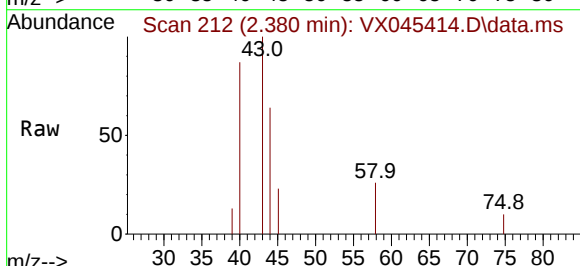
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318

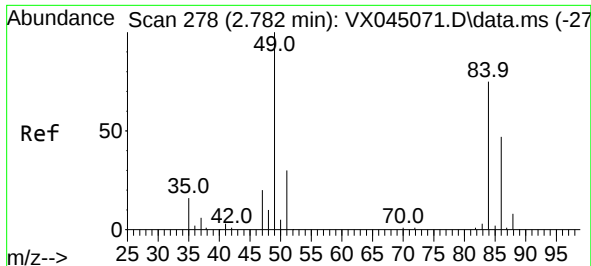
Tgt Ion: 59 Resp: 189
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 1.780 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Tgt Ion: 43 Resp: 879
Ion Ratio Lower Upper
43 100
58 25.8 24.2 36.4





#20

Methylene Chloride

Concen: 0.290 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045414.D

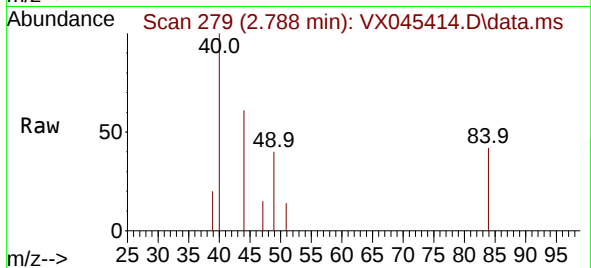
Acq: 24 Mar 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20250318



Tgt Ion: 84 Resp: 284

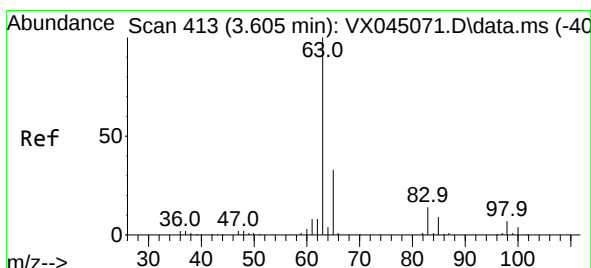
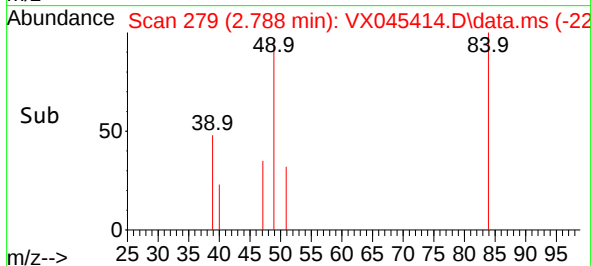
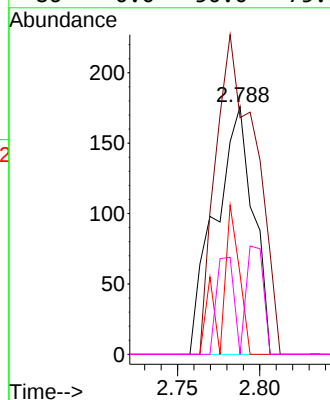
Ion Ratio Lower Upper

84 100

49 95.5 106.5 159.7#

51 32.4 32.1 48.1

86 0.0 50.0 75.0#



#24

1,1-Dichloroethane

Concen: 0.354 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX045414.D

Acq: 24 Mar 2025 14:54

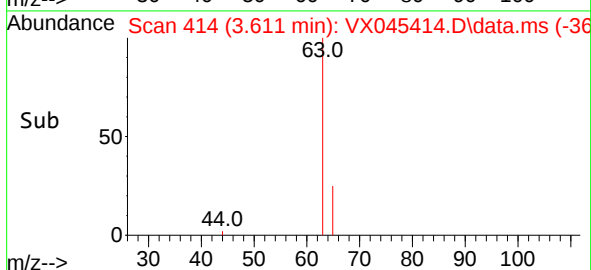
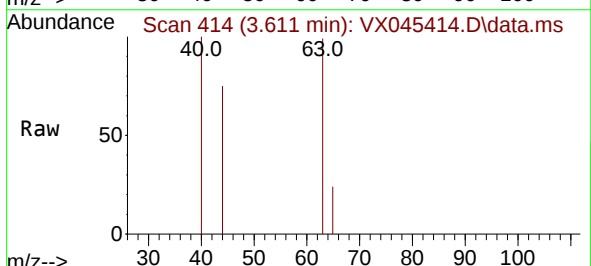
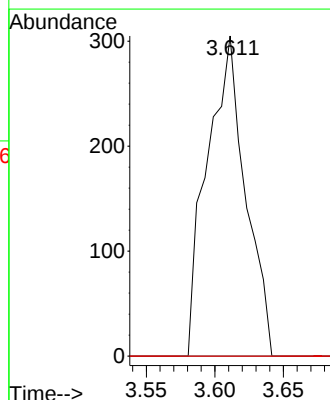
Tgt Ion: 63 Resp: 591

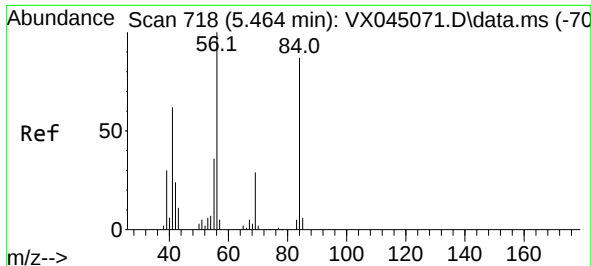
Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.2#

100 0.0 2.1 6.5#

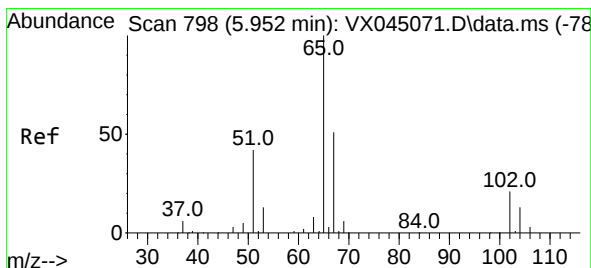
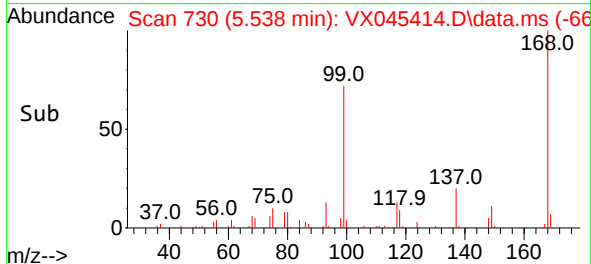
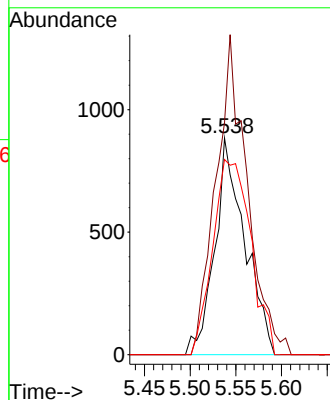
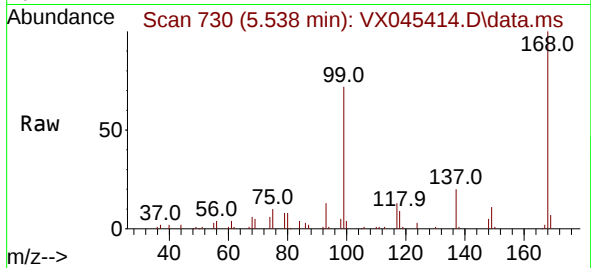




#31
Cyclohexane
Concen: 1.399 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

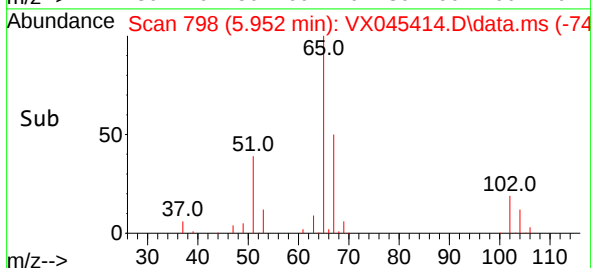
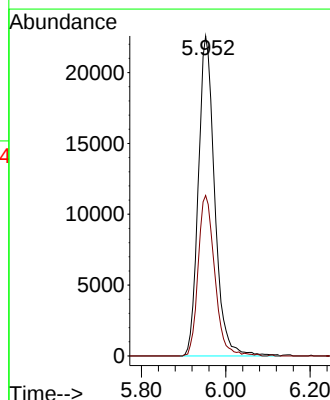
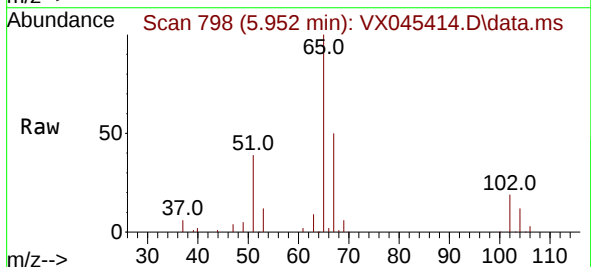
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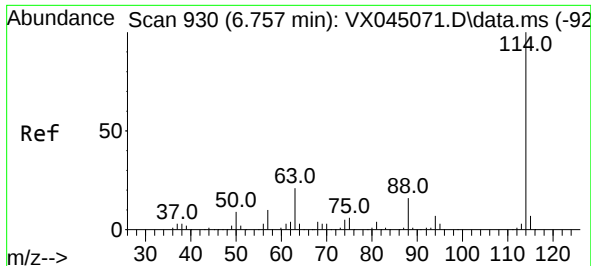
Tgt Ion: 56 Resp: 2026
Ion Ratio Lower Upper
56 100
69 107.0 23.4 35.2#
84 90.2 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 57.340 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Tgt Ion: 65 Resp: 61019
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.2

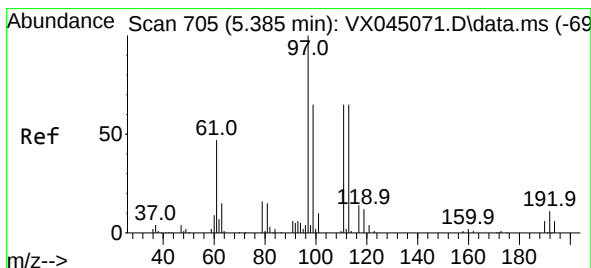
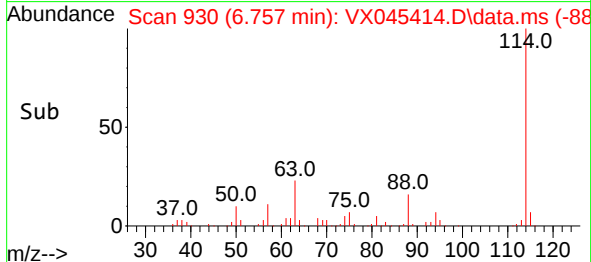
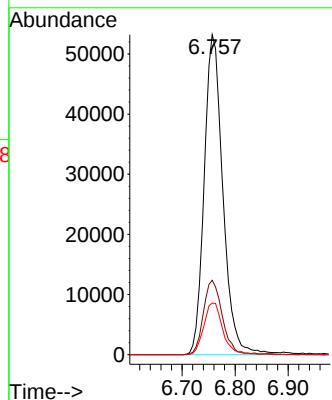
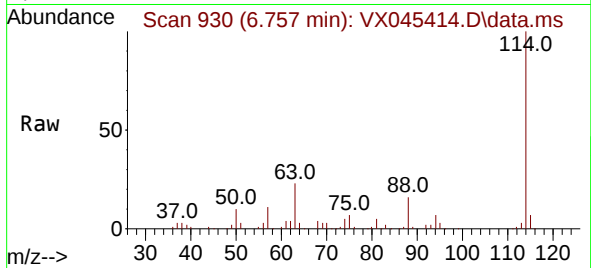




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

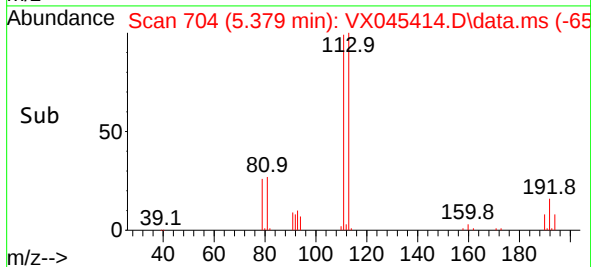
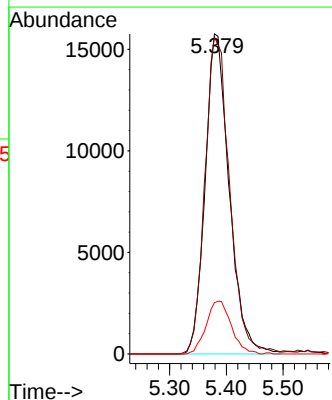
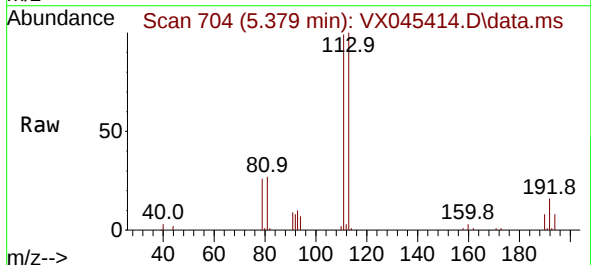
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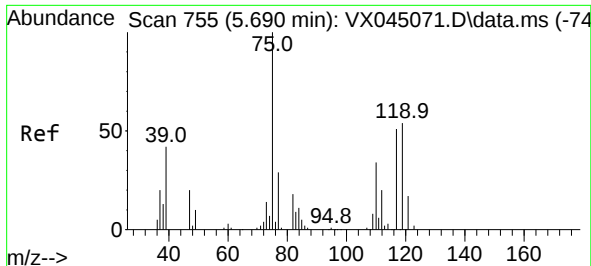
Tgt Ion:114 Resp: 130401
Ion Ratio Lower Upper
114 100
63 23.3 0.0 41.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.285 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Tgt Ion:113 Resp: 46462
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 17.2 14.3 21.5

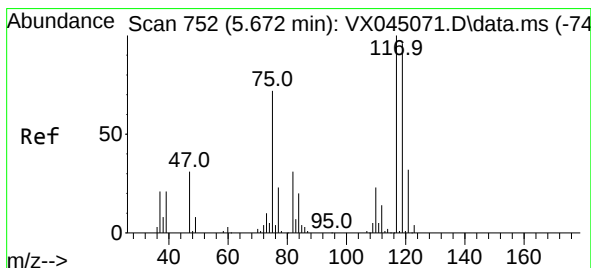
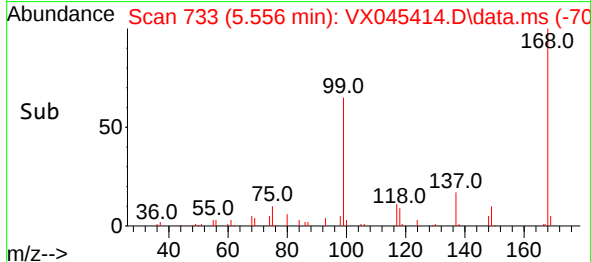
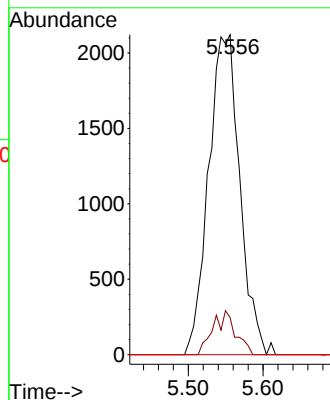
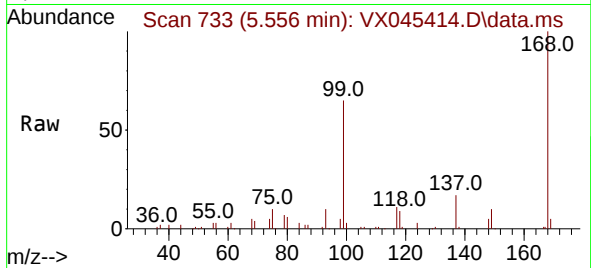




#36
1,1-Dichloropropene
Concen: 5.149 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

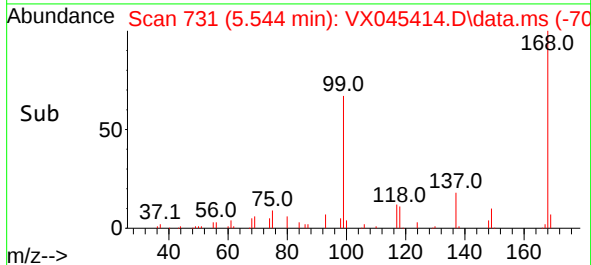
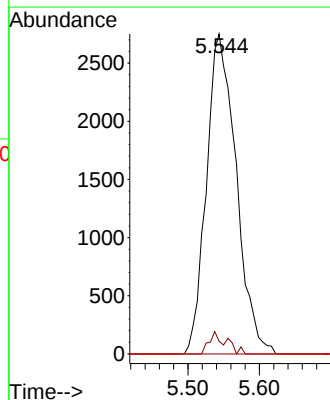
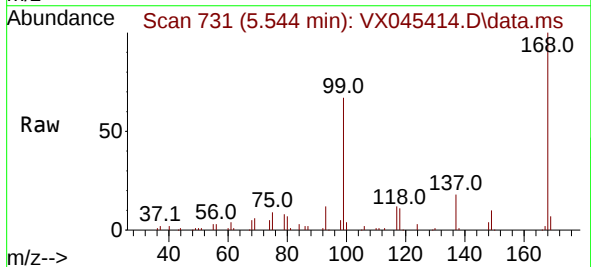
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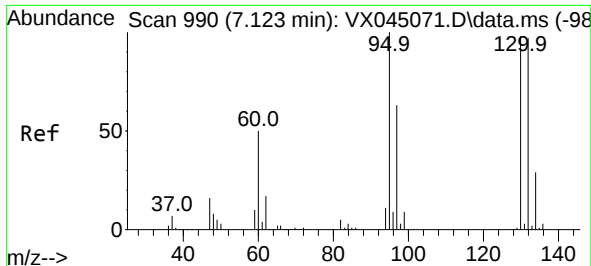
Tgt Ion: 75 Resp: 6157
Ion Ratio Lower Upper
75 100
110 10.0 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.543 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Tgt Ion: 117 Resp: 7943
Ion Ratio Lower Upper
117 100
119 3.9 76.7 115.1#
121 0.0 25.5 38.3#

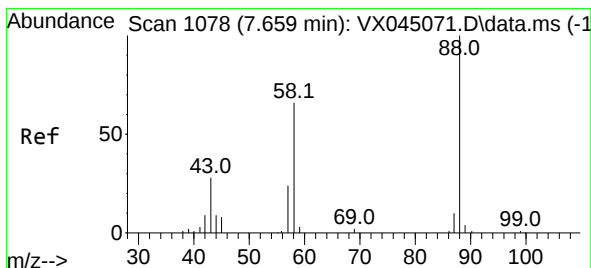
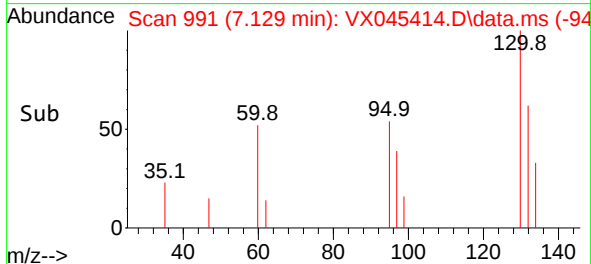
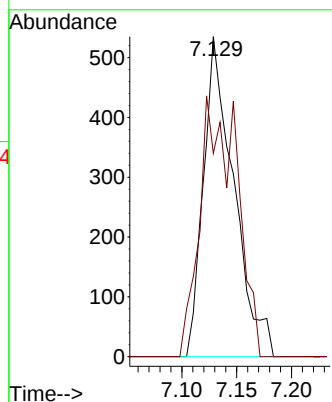
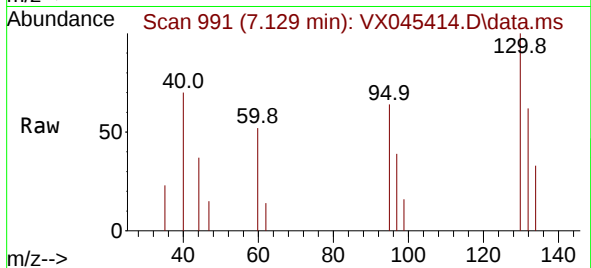




#44
Trichloroethene
Concen: 1.159 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

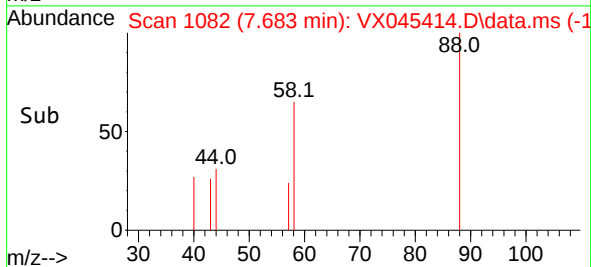
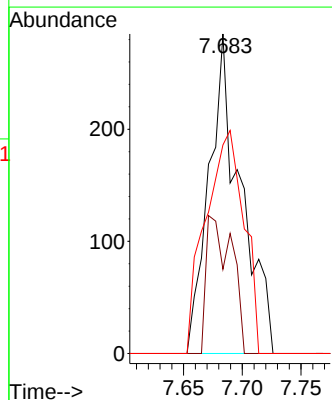
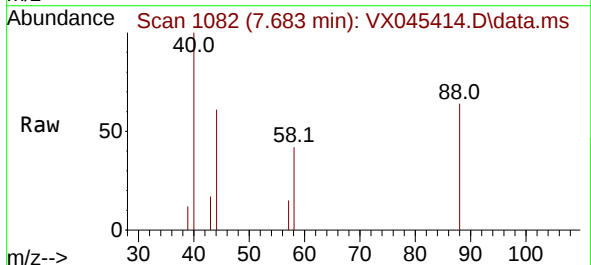
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318

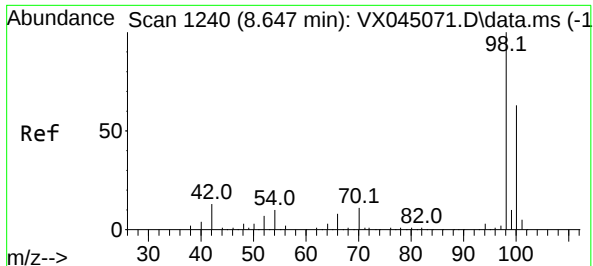
Tgt Ion:130 Resp: 1028
Ion Ratio Lower Upper
130 100
95 63.6 0.0 205.0



#49
1,4-Dioxane
Concen: 22.105 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045414.D
Acq: 24 Mar 2025 14:54

Tgt Ion: 88 Resp: 533
Ion Ratio Lower Upper
88 100
43 34.5 28.7 43.1
58 84.6 55.8 83.8#





#50

Toluene-d8

Concen: 50.598 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045414.D

Acq: 24 Mar 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

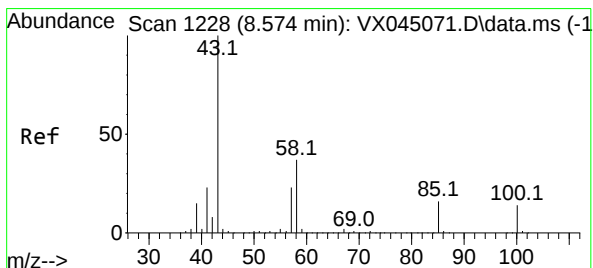
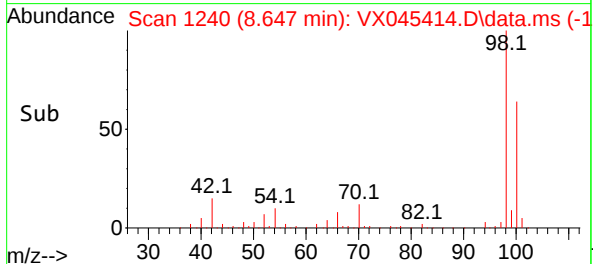
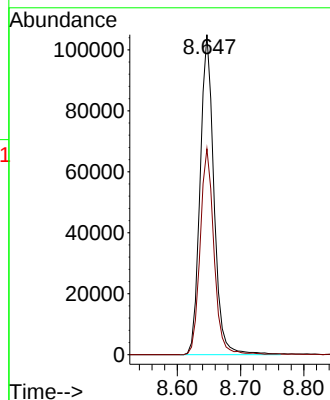
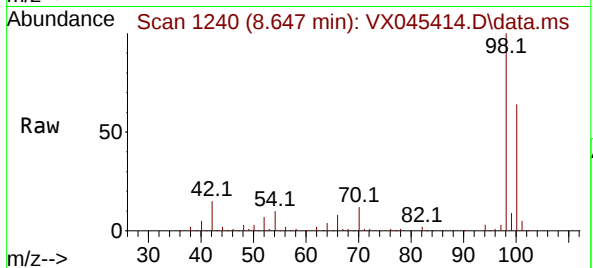
RE132D2-20250318

Tgt Ion: 98 Resp: 159947

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.583 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX045414.D

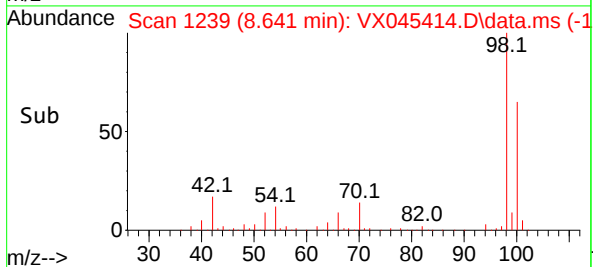
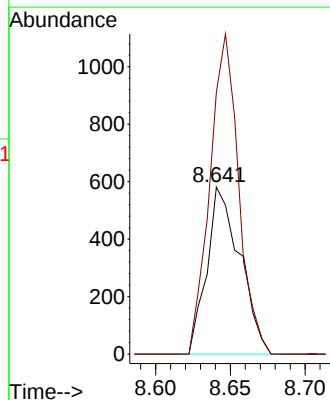
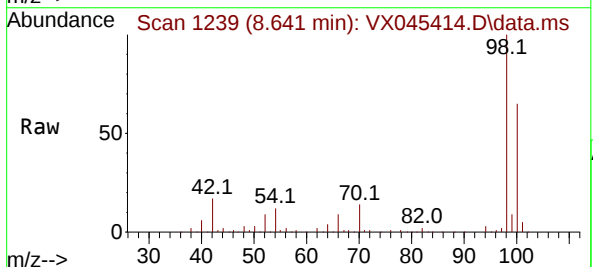
Acq: 24 Mar 2025 14:54

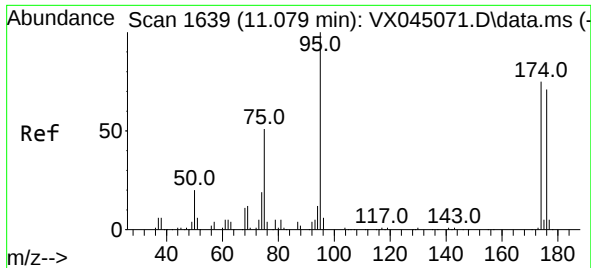
Tgt Ion: 43 Resp: 892

Ion Ratio Lower Upper

43 100

58 166.7 29.2 43.8#





#62

4-Bromofluorobenzene

Concen: 53.618 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045414.D

Acq: 24 Mar 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20250318

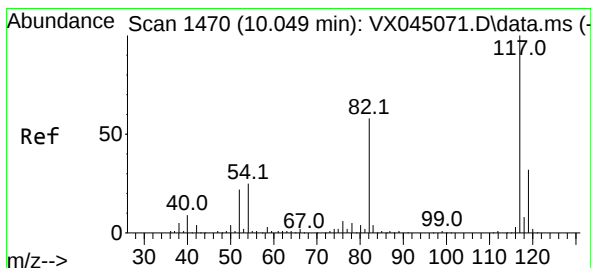
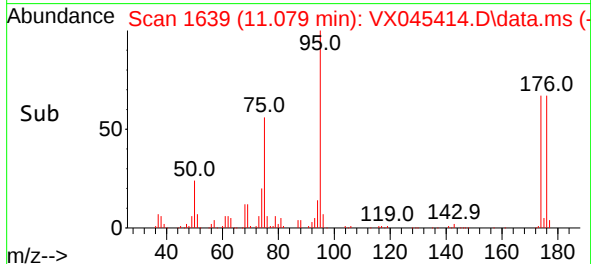
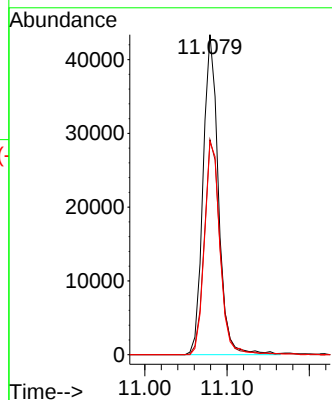
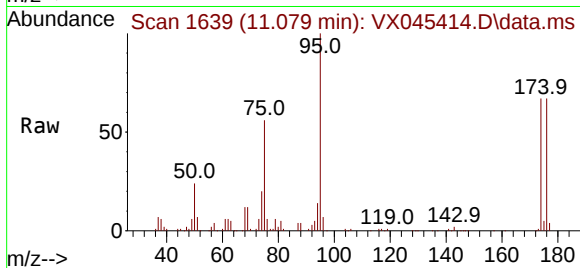
Tgt Ion: 95 Resp: 56165

Ion Ratio Lower Upper

95 100

174 69.3 0.0 148.2

176 67.7 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: VX045414.D

Acq: 24 Mar 2025 14:54

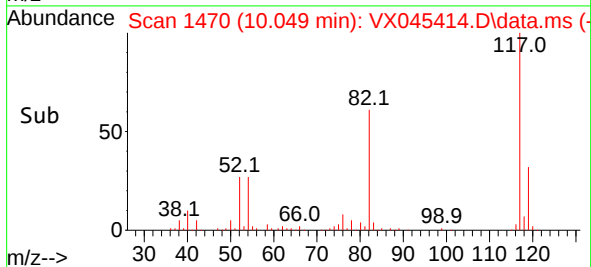
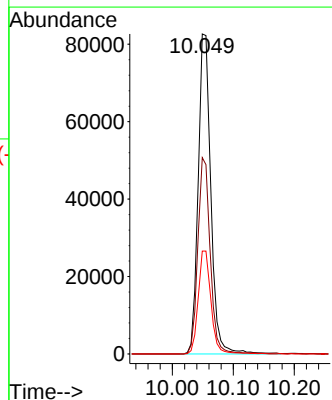
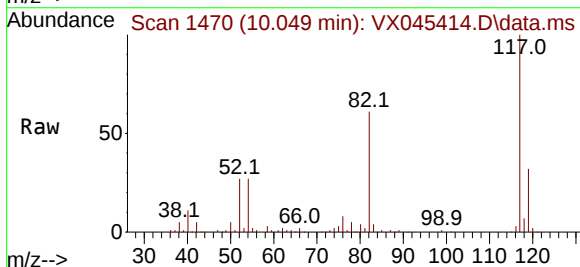
Tgt Ion: 117 Resp: 119535

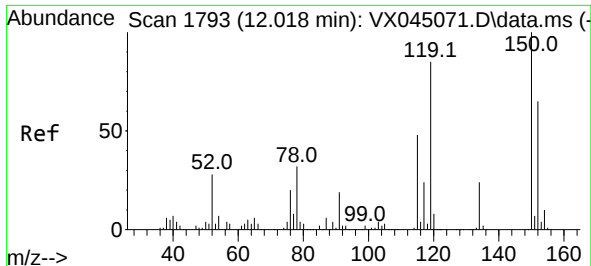
Ion Ratio Lower Upper

117 100

82 61.3 46.3 69.5

119 32.1 25.7 38.5

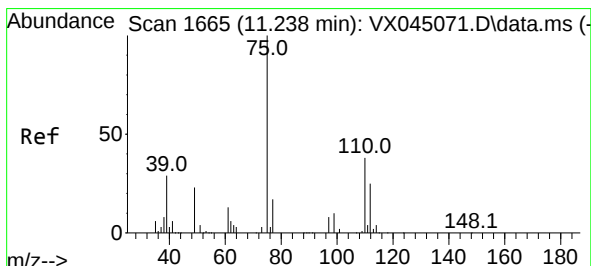
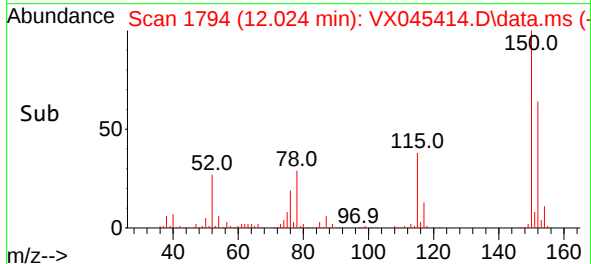
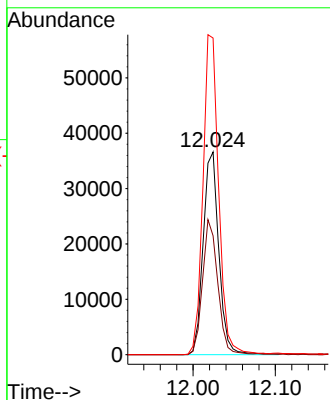
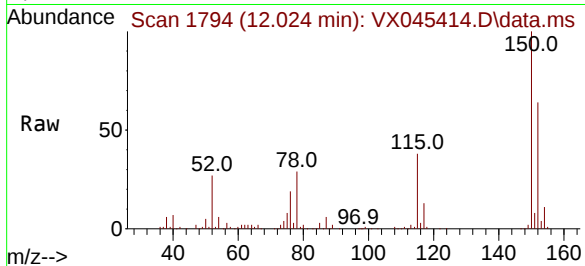




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX045414.D
 Acq: 24 Mar 2025 14:54

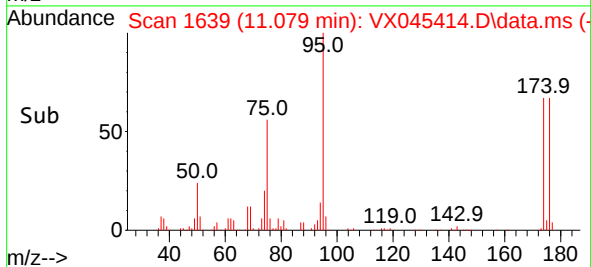
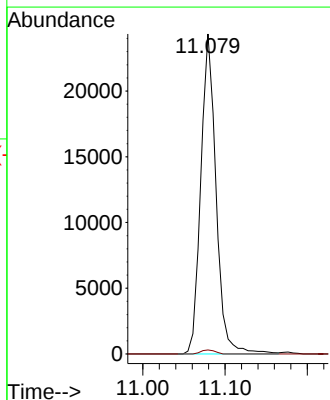
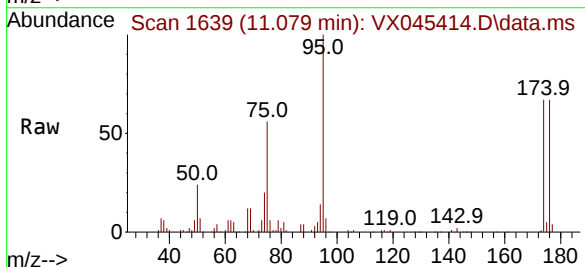
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20250318

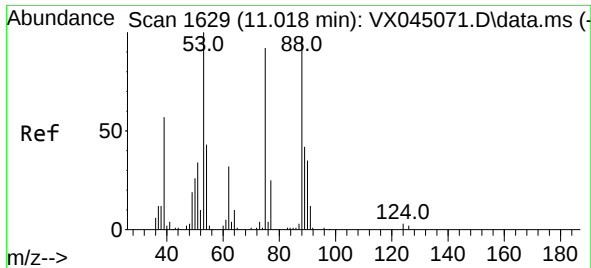
Tgt Ion:152 Resp: 48538
 Ion Ratio Lower Upper
 152 100
 115 64.9 44.2 132.6
 150 158.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.789 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045414.D
 Acq: 24 Mar 2025 14:54

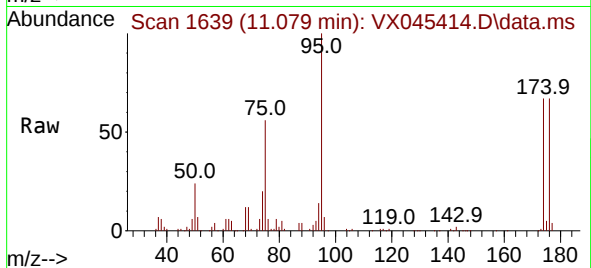
Tgt Ion: 75 Resp: 31394
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.099 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045414.D
 Acq: 24 Mar 2025 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20250318



Tgt Ion: 75 Resp: 31394
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

