

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
 Data File : VX045441.D
 Acq On : 25 Mar 2025 15:36
 Operator : JC/MD
 Sample : Q1608-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20250318RE

Quant Time: Mar 26 01:39:52 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)

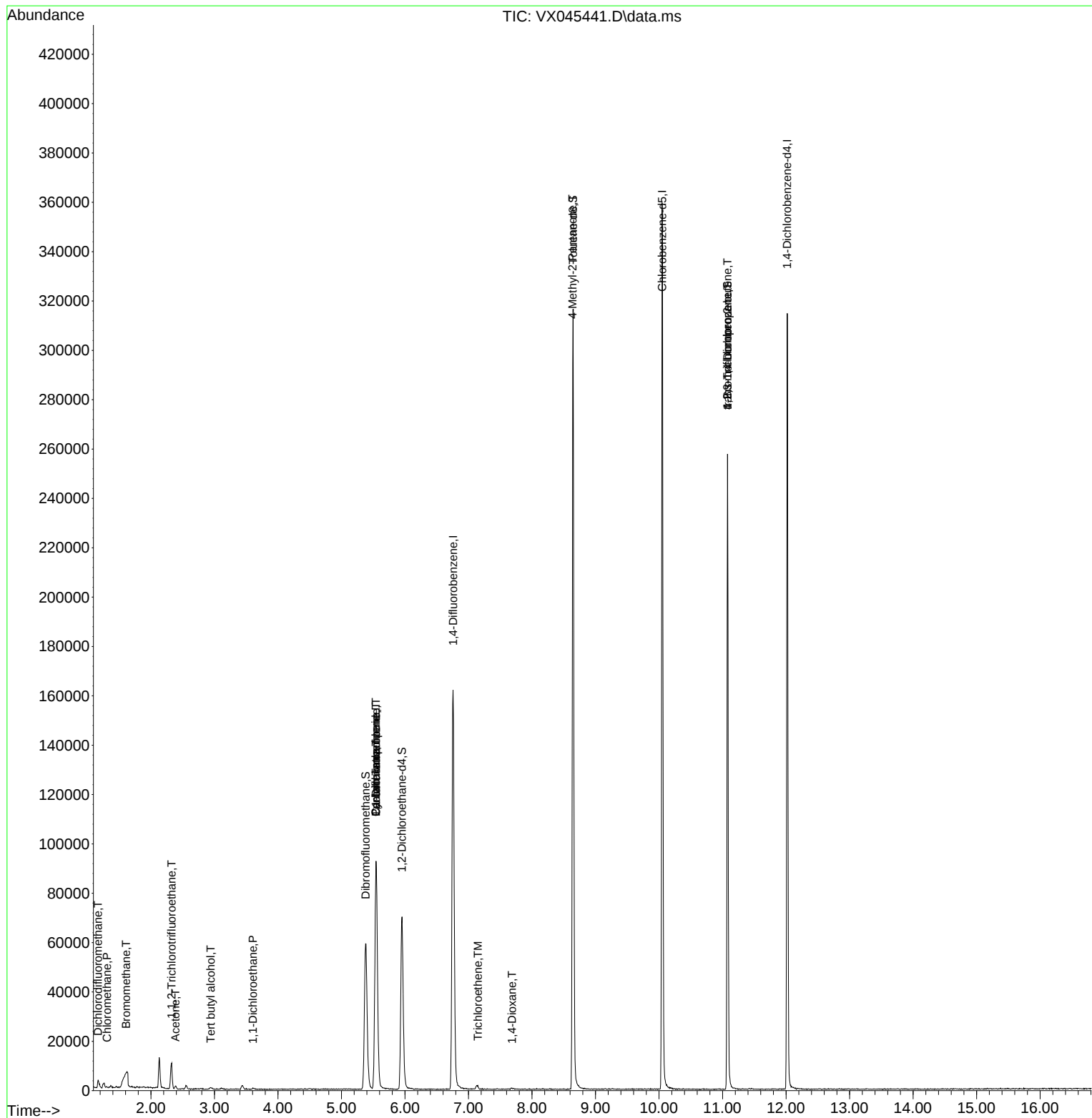
Internal Standards						
1) Pentafluorobenzene	5.543	168	81844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	157686	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68708	52.777	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.560%			
35) Dibromofluoromethane	5.379	113	52180	49.488	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.980%			
50) Toluene-d8	8.647	98	182794	47.819	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.640%			
62) 4-Bromofluorobenzene	11.079	95	65142	51.427	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1745	1.694	ug/l	98
3) Chloromethane	1.306	50	339	0.269	ug/l #	78
5) Bromomethane	1.605	94	164	0.334	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.325	101	4230	4.447	ug/l	93
11) Tert butyl alcohol	2.940	59	169	0.685	ug/l #	73
16) Acetone	2.385	43	1117	1.849	ug/l	91
24) 1,1-Dichloroethane	3.605	63	591	0.290	ug/l #	83
31) Cyclohexane	5.543	56	2387	1.348	ug/l #	38
36) 1,1-Dichloropropene	5.543	75	8049	5.566	ug/l #	51
38) Carbon Tetrachloride	5.543	117	9111	6.206	ug/l #	16
44) Trichloroethene	7.147	130	849	0.792	ug/l	53
49) 1,4-Dioxane	7.683	88	354	12.141	ug/l #	71
51) 4-Methyl-2-Pentanone	8.640	43	1136	0.614	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	37341	27.329	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37341	93.524	ug/l #	6

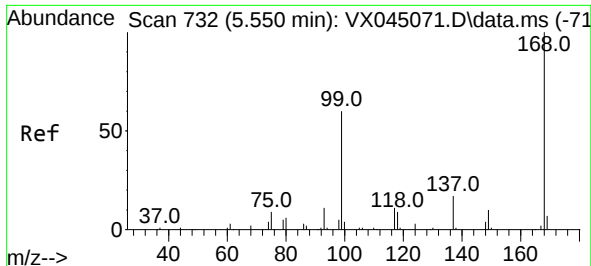
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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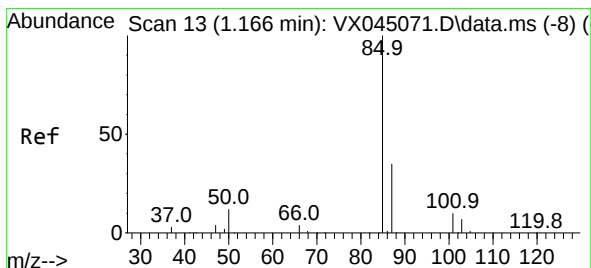
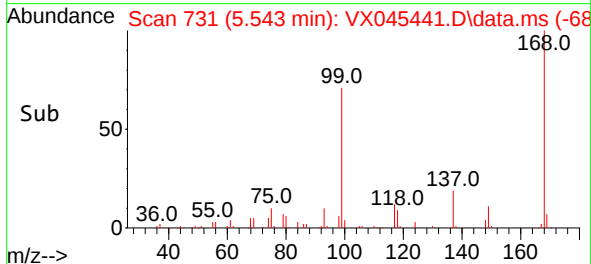
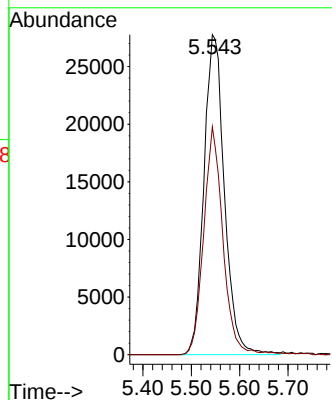
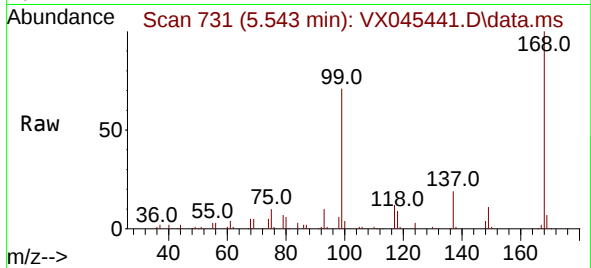




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

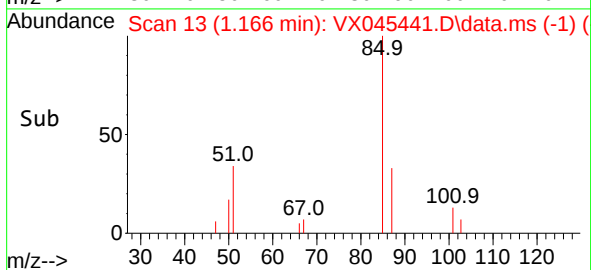
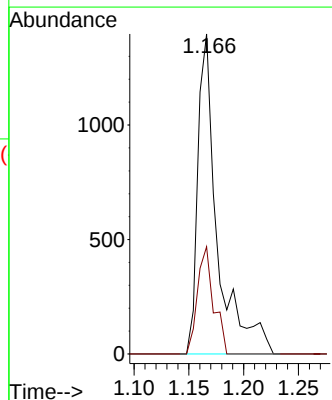
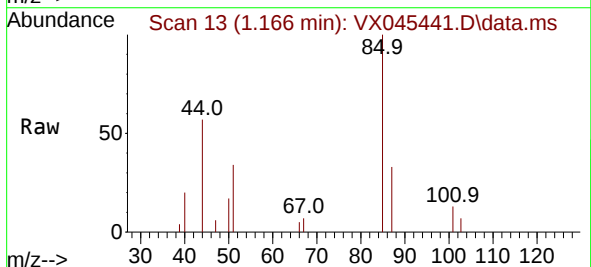
Instrument :
MSVOA_X
ClientSampleId :
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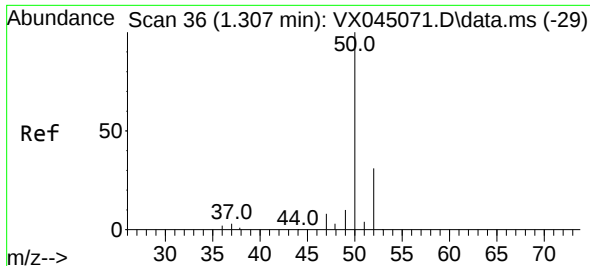
Tgt Ion:168 Resp: 81844
Ion Ratio Lower Upper
168 100
99 71.2 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 1.694 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion: 85 Resp: 1745
Ion Ratio Lower Upper
85 100
87 33.5 17.4 52.3

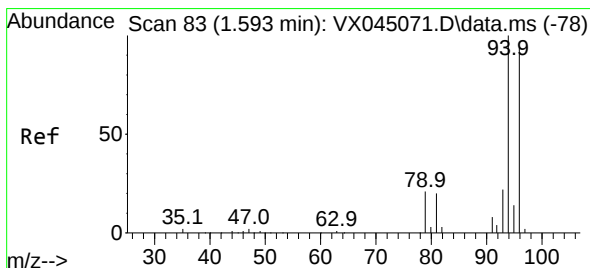
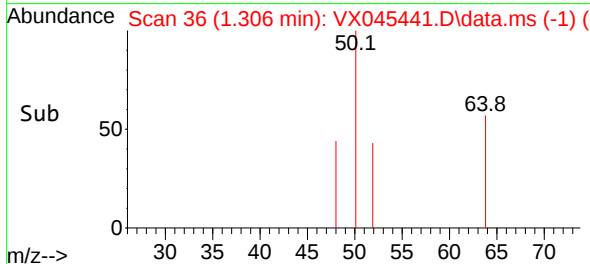
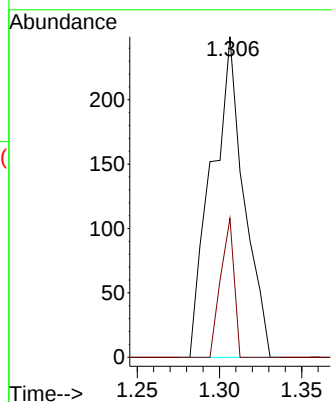
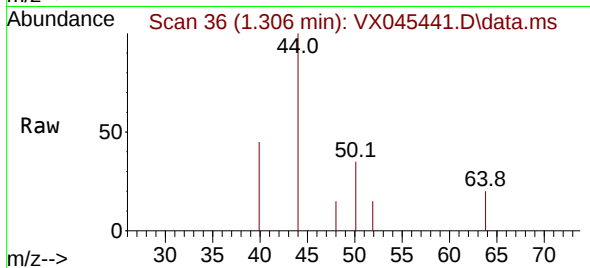




#3
Chloromethane
Concen: 0.269 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

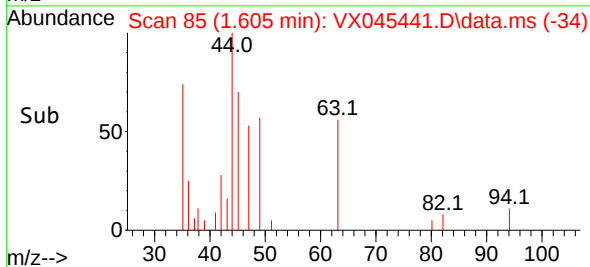
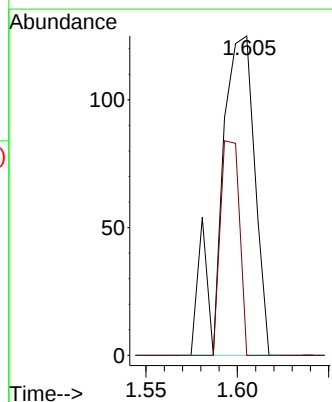
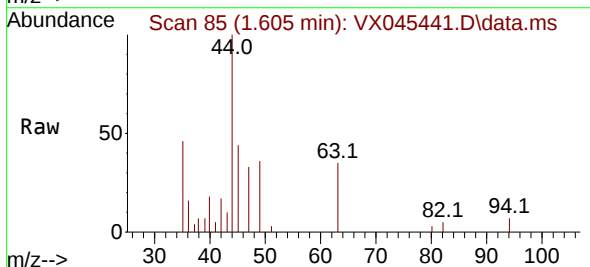
Instrument :
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ClientSampleId :
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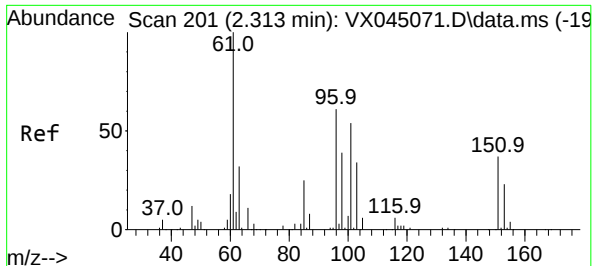
Tgt Ion: 50 Resp: 339
Ion Ratio Lower Upper
50 100
52 43.4 25.0 37.4#



#5
Bromomethane
Concen: 0.334 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion: 94 Resp: 164
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#

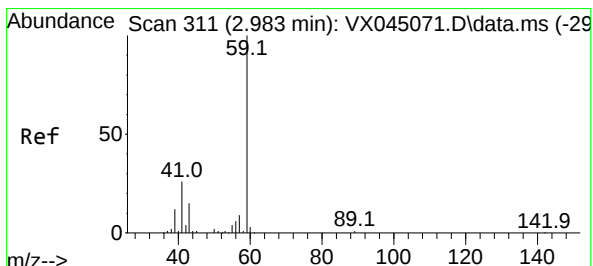
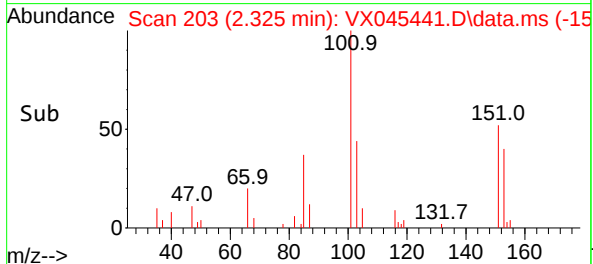
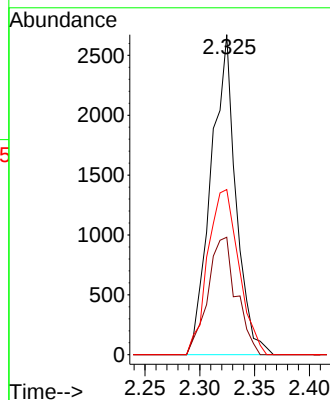
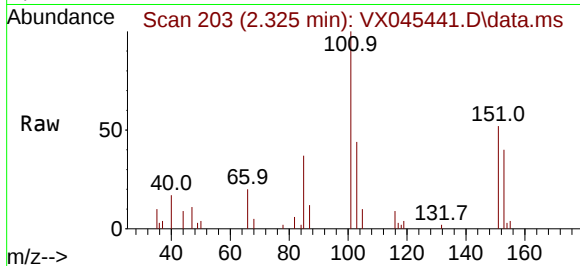




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.447 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

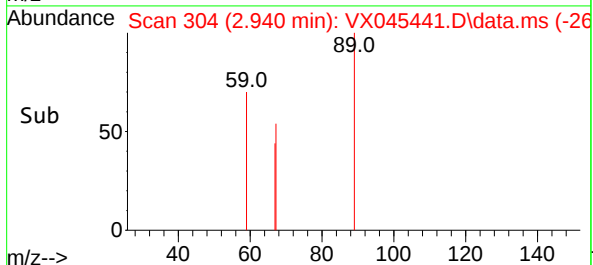
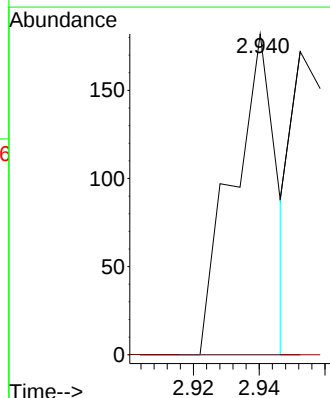
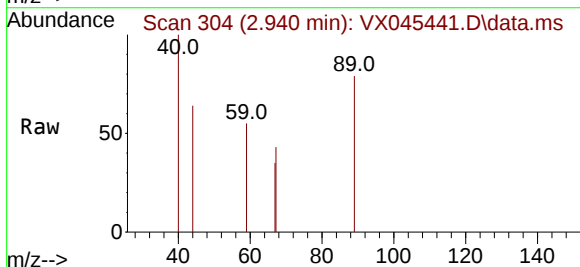
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318RE

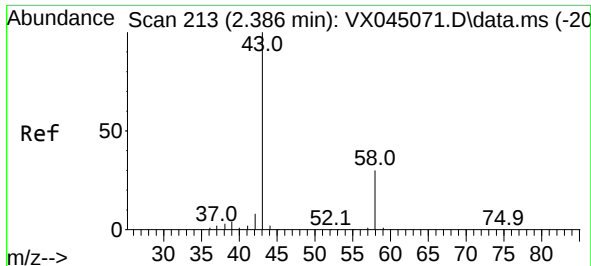
Tgt Ion:101 Resp: 4230
Ion Ratio Lower Upper
101 100
85 42.0 36.2 54.4
151 64.3 56.4 84.6



#11
Tert butyl alcohol
Concen: 0.685 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

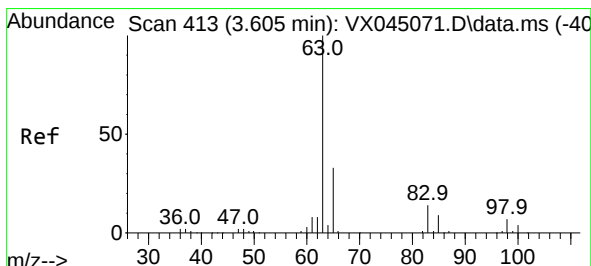
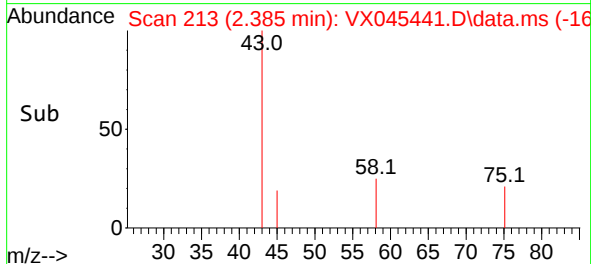
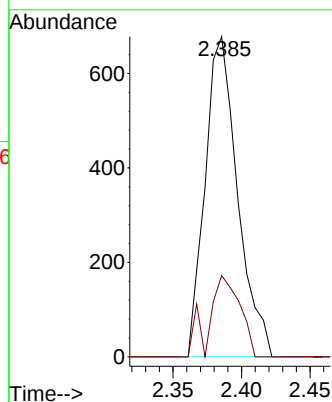
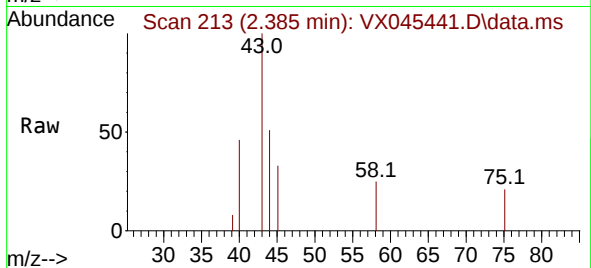




#16
Acetone
Concen: 1.849 ug/l
RT: 2.385 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

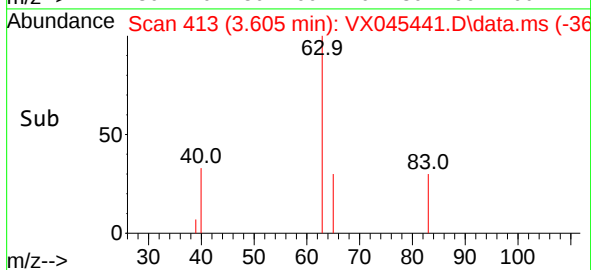
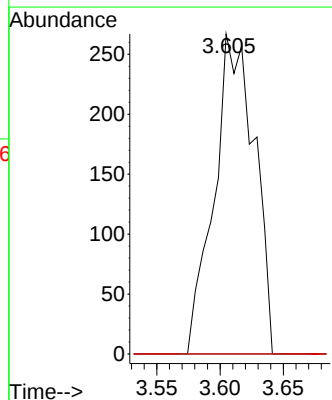
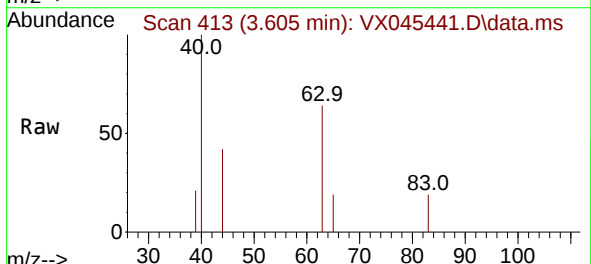
Instrument :
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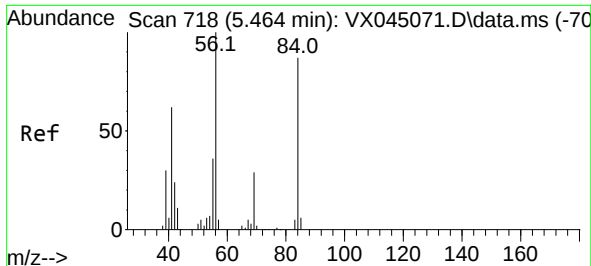
Tgt Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
58 25.4 24.2 36.4



#24
1,1-Dichloroethane
Concen: 0.290 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

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#

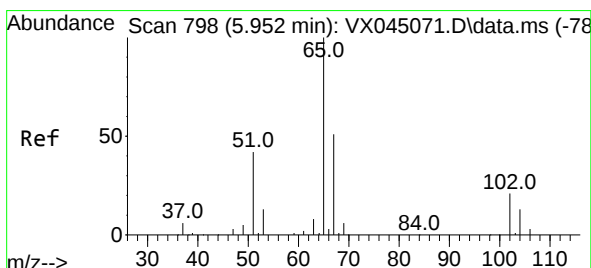
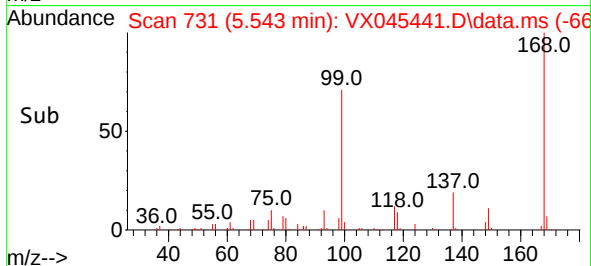
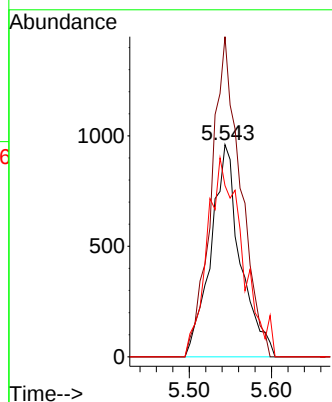
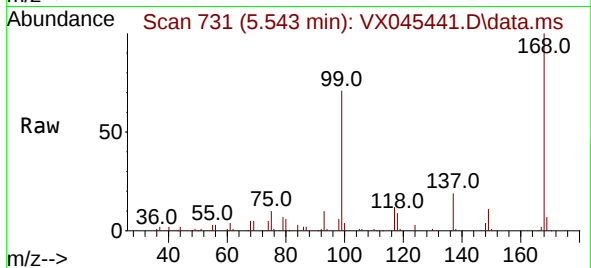




#31
Cyclohexane
Concen: 1.348 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

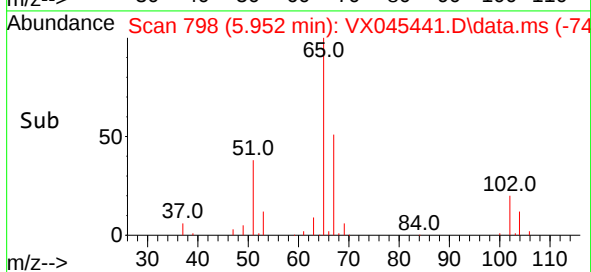
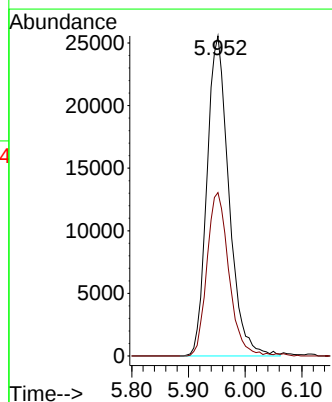
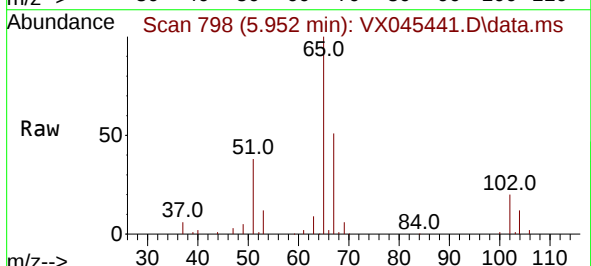
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ClientSampleId :
RE132D2-20250318RE

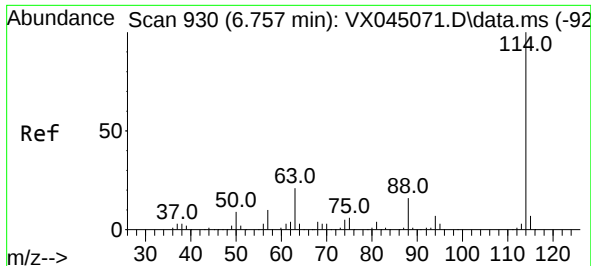
Tgt Ion: 56 Resp: 2387
Ion Ratio Lower Upper
56 100
69 150.9 23.4 35.2#
84 80.7 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 52.777 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion: 65 Resp: 68708
Ion Ratio Lower Upper
65 100
67 51.0 0.0 106.2

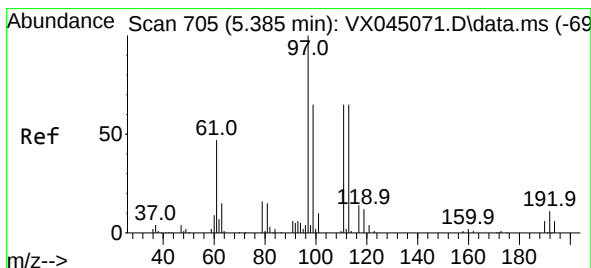
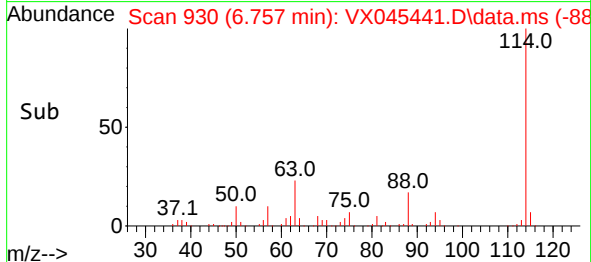
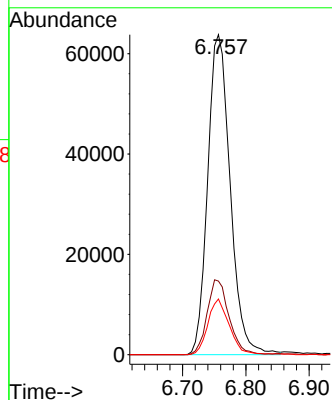
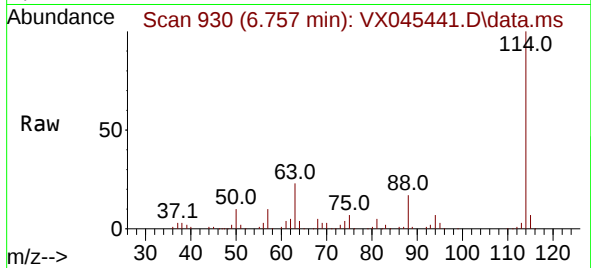




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

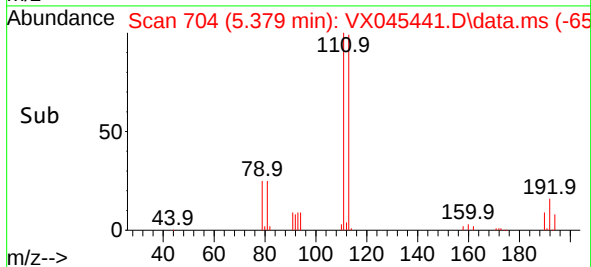
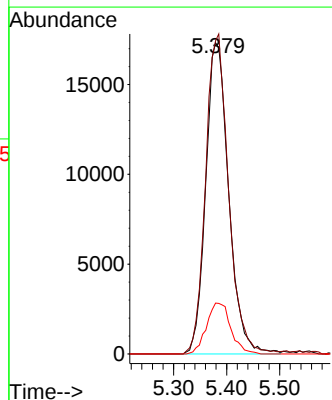
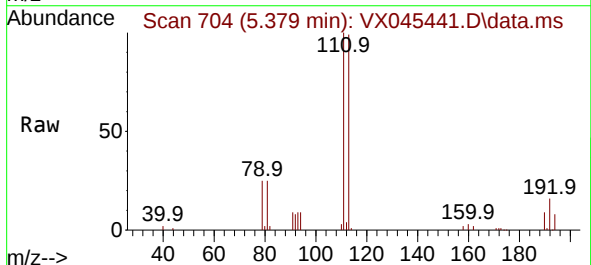
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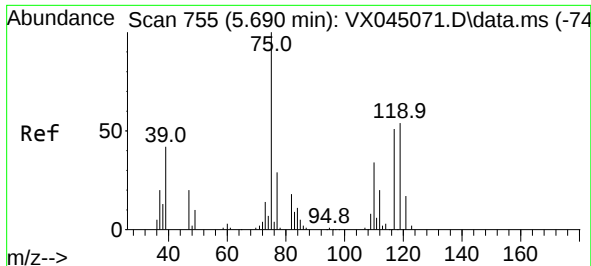
Tgt Ion:114 Resp: 157686
Ion Ratio Lower Upper
114 100
63 23.0 0.0 41.8
88 17.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.488 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion:113 Resp: 52180
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 17.2 14.3 21.5

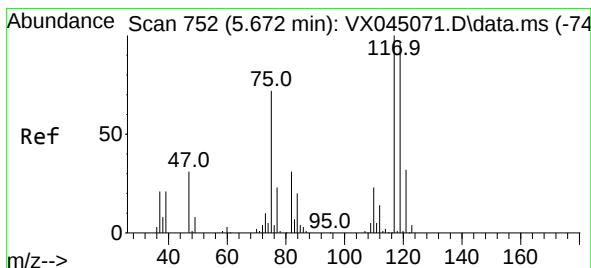
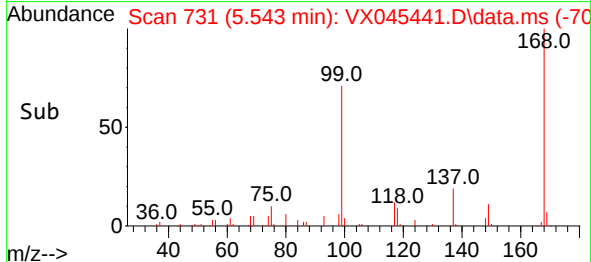
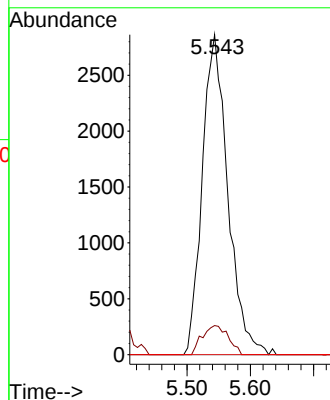
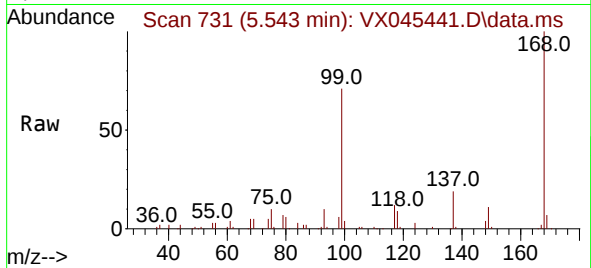




#36
1,1-Dichloropropene
Concen: 5.566 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.147 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

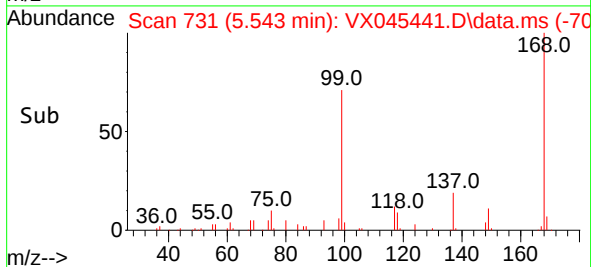
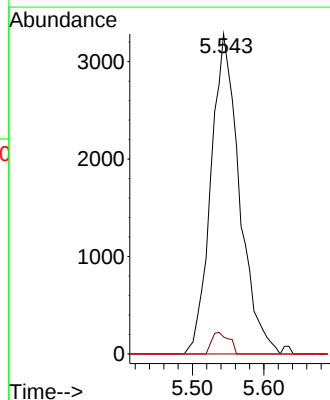
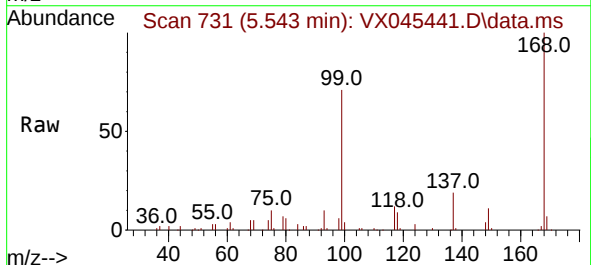
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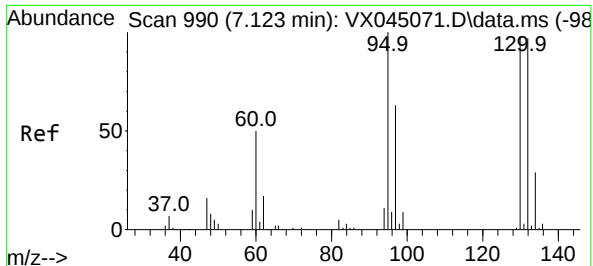
Tgt Ion: 75 Resp: 8049
Ion Ratio Lower Upper
75 100
110 9.3 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.206 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion: 117 Resp: 9111
Ion Ratio Lower Upper
117 100
119 5.3 76.7 115.1#
121 0.0 25.5 38.3#

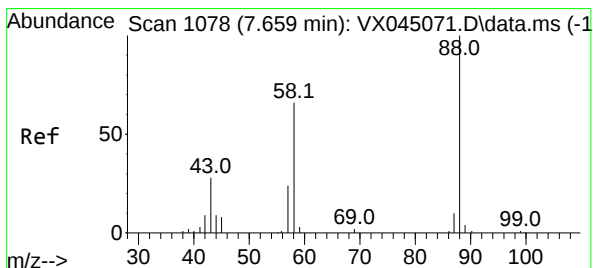
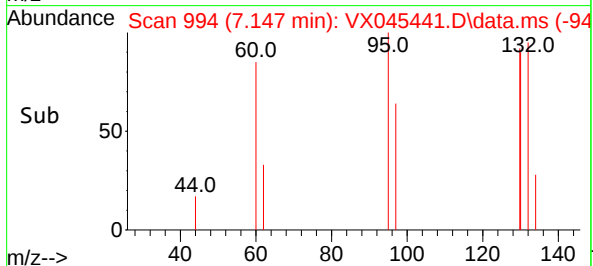
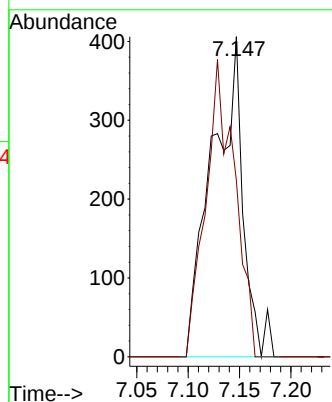
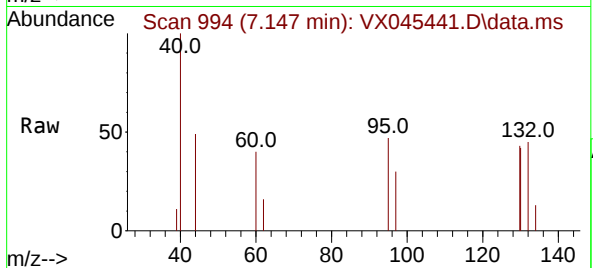




#44
Trichloroethene
Concen: 0.792 ug/l
RT: 7.147 min Scan# 994
Delta R.T. 0.024 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

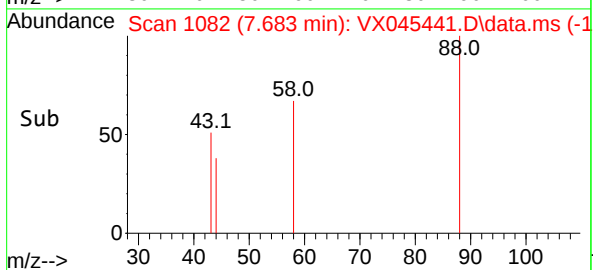
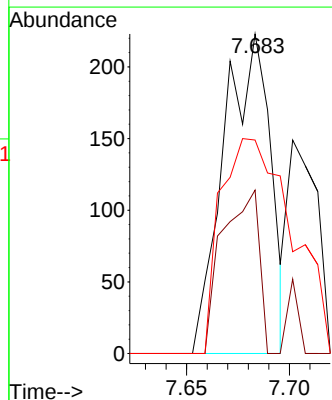
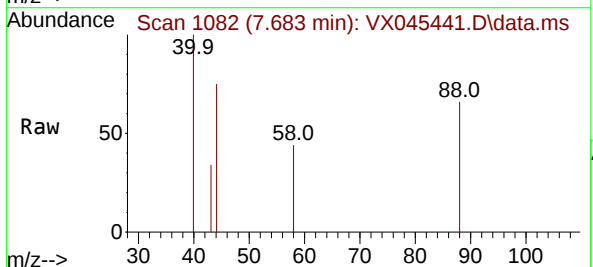
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318RE

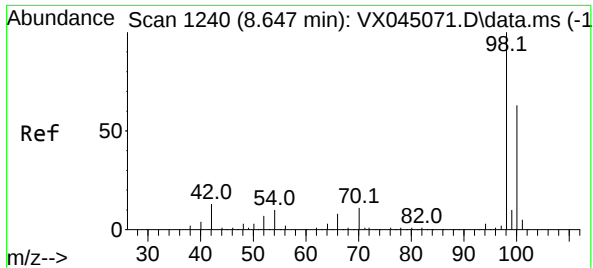
Tgt Ion:130 Resp: 849
Ion Ratio Lower Upper
130 100
95 55.2 0.0 205.0



#49
1,4-Dioxane
Concen: 12.141 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion: 88 Resp: 354
Ion Ratio Lower Upper
88 100
43 40.1 28.7 43.1
58 102.5 55.8 83.8#

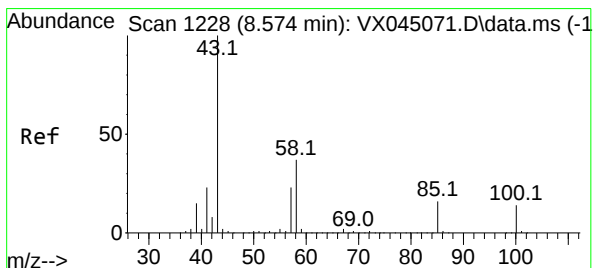
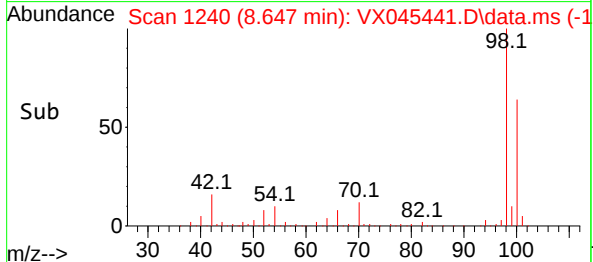
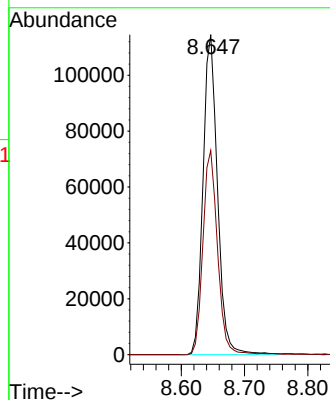
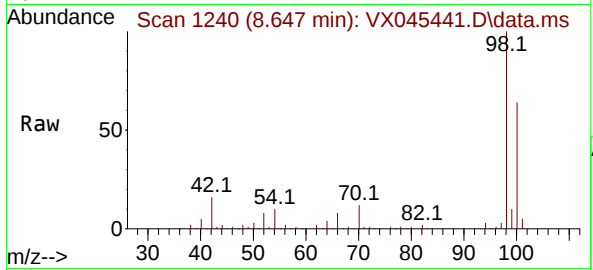




#50
Toluene-d8
Concen: 47.819 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

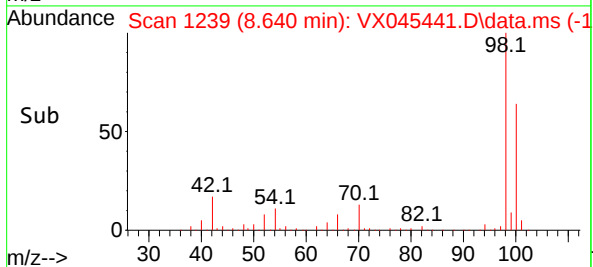
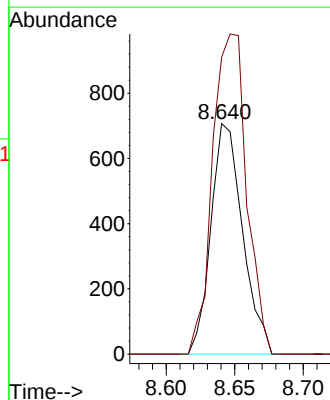
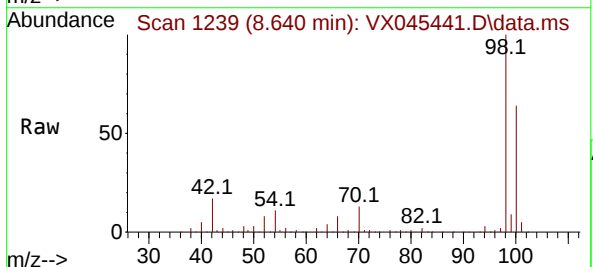
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318RE

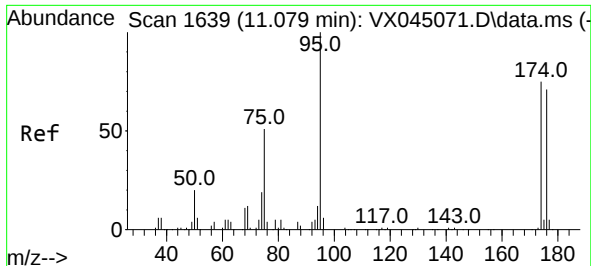
Tgt Ion: 98 Resp: 182794
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.614 ug/l
RT: 8.640 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
58 149.7 29.2 43.8#





#62

4-Bromofluorobenzene

Concen: 51.427 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045441.D

Acq: 25 Mar 2025 15:36

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20250318RE

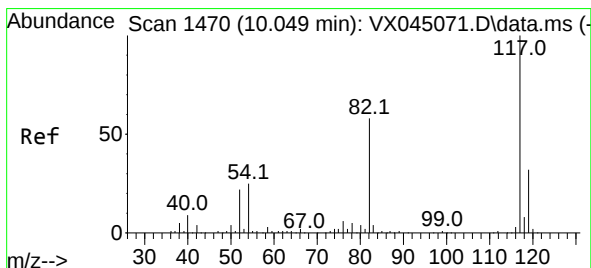
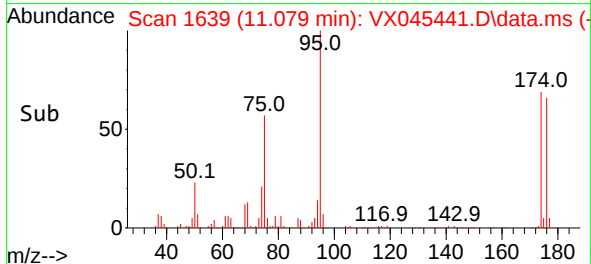
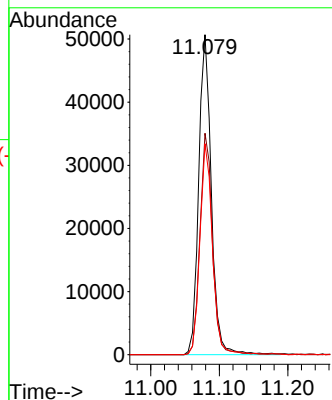
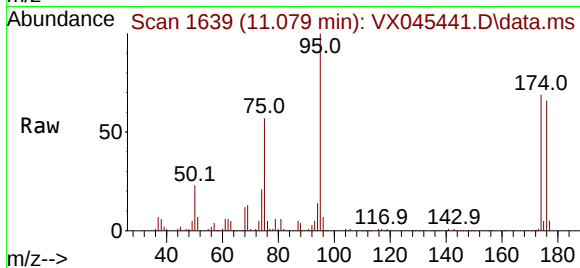
Tgt Ion: 95 Resp: 65142

Ion Ratio Lower Upper

95 100

174 68.5 0.0 148.2

176 65.8 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: VX045441.D

Acq: 25 Mar 2025 15:36

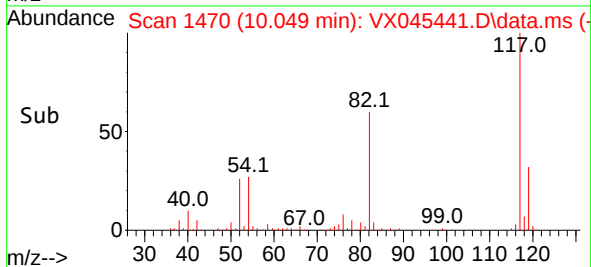
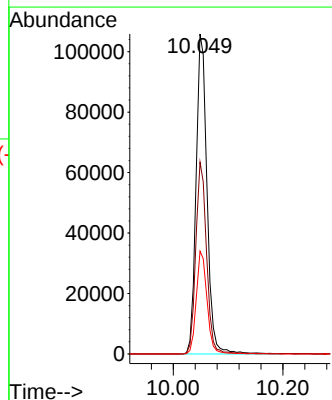
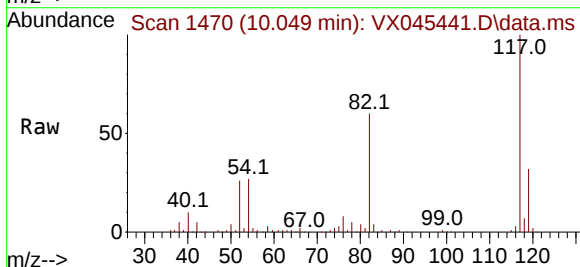
Tgt Ion: 117 Resp: 147292

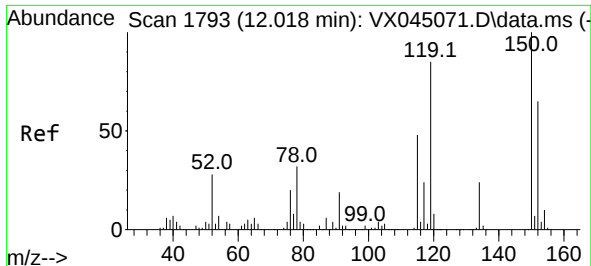
Ion Ratio Lower Upper

117 100

82 59.9 46.3 69.5

119 32.1 25.7 38.5

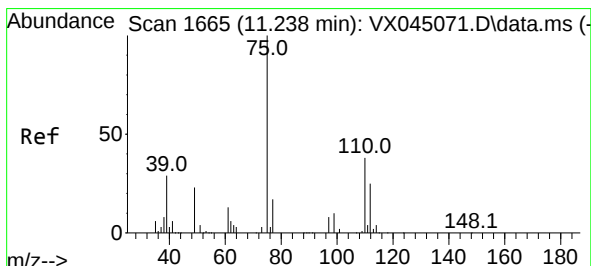
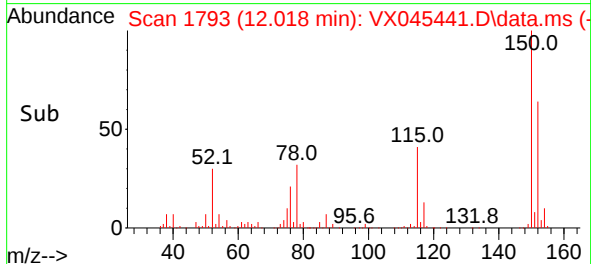
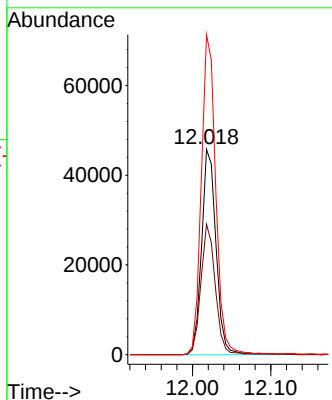
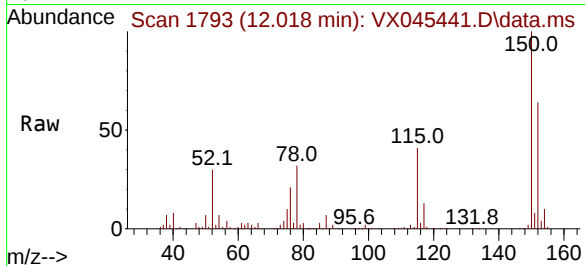




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

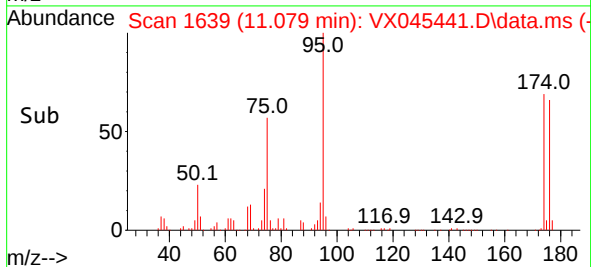
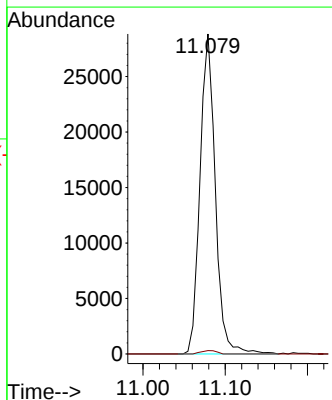
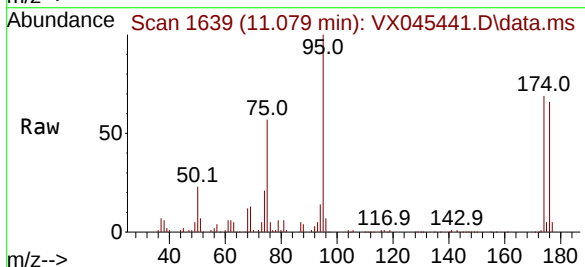
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20250318RE

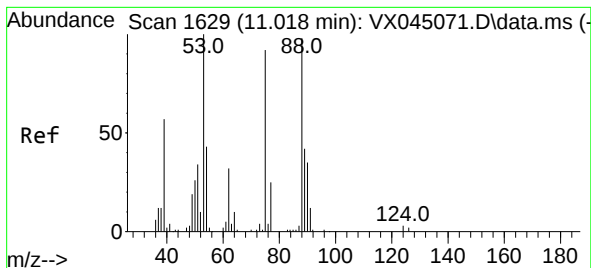
Tgt Ion:152 Resp: 58705
Ion Ratio Lower Upper
152 100
115 63.5 44.2 132.6
150 155.7 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 27.329 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045441.D
Acq: 25 Mar 2025 15:36

Tgt Ion: 75 Resp: 37341
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 93.524 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX045441.D

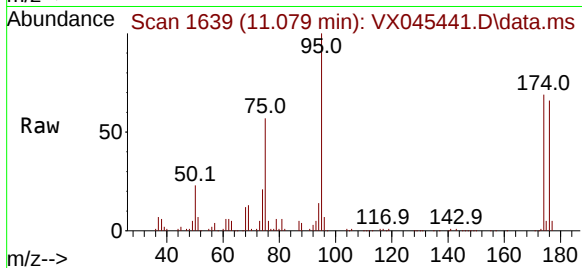
Acq: 25 Mar 2025 15:36

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20250318RE



Tgt Ion: 75 Resp: 37341

Ion Ratio Lower Upper

75 100

53 0.0 88.5 132.7#

89 0.0 36.2 54.4#

