

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045223.D
 Acq On : 11 Mar 2025 14:46
 Operator : JC/MD
 Sample : Q1531-11DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20250306DL

Quant Time: Mar 12 01:49:35 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)

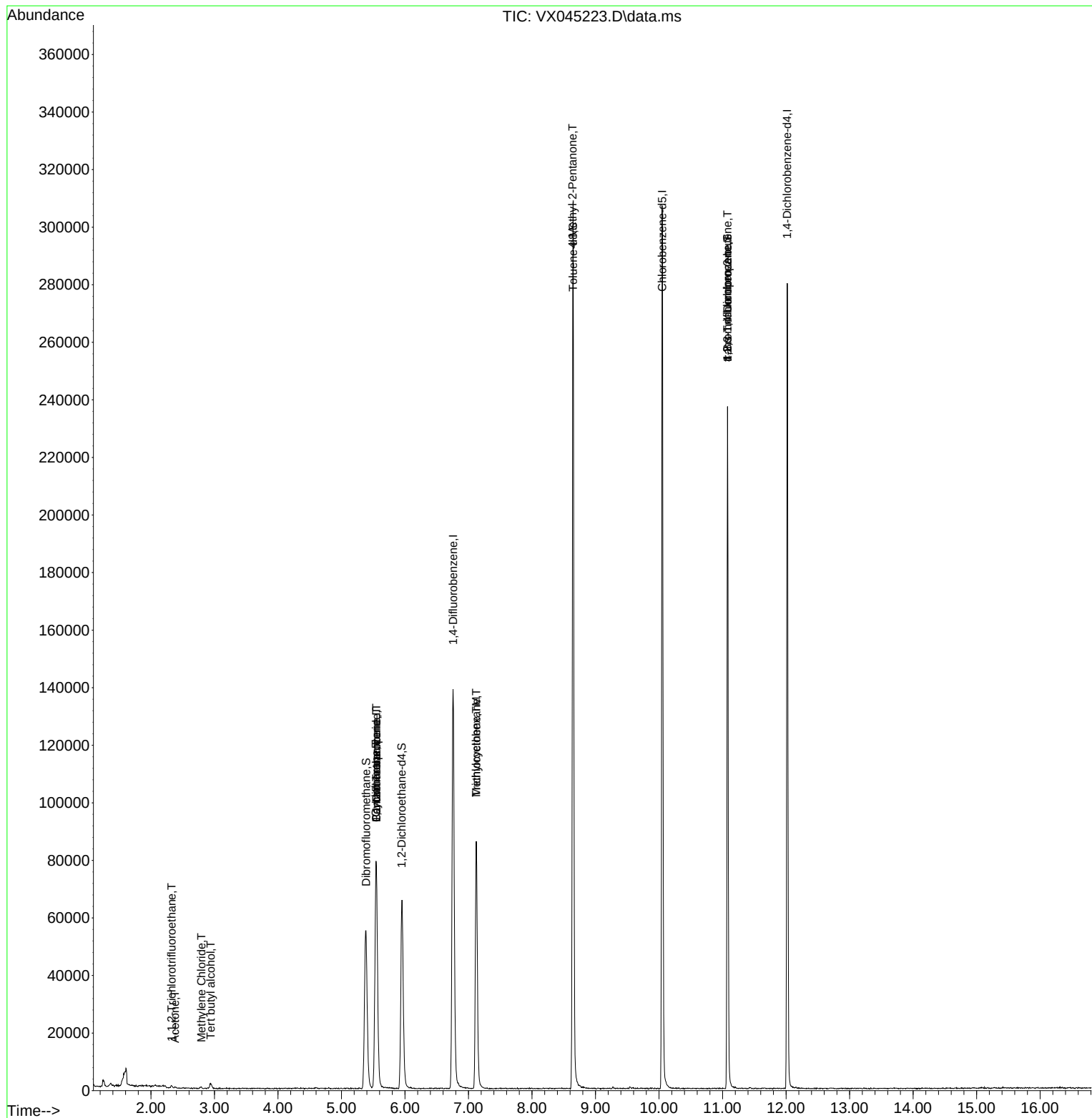
Internal Standards						
1) Pentafluorobenzene	5.550	168	71410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143079	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	60827	53.551	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.100%	
35) Dibromofluoromethane	5.385	113	49390	51.624	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.240%	
50) Toluene-d8	8.647	98	180581	52.063	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.120%	
62) 4-Bromofluorobenzene	11.079	95	60414	52.564	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.120%	
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.324	101	406	0.489	ug/l #	81
11) Tert butyl alcohol	2.940	59	1007	4.680	ug/l #	73
16) Acetone	2.379	43	401	0.761	ug/l	99
20) Methylene Chloride	2.794	84	247	0.237	ug/l #	70
31) Cyclohexane	5.543	56	1974	1.277	ug/l #	40
36) 1,1-Dichloropropene	5.550	75	6452	4.917	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7934	5.956	ug/l #	19
39) Methylcyclohexane	7.122	83	417	0.265	ug/l #	1
44) Trichloroethene	7.122	130	33027	33.948	ug/l	98
51) 4-Methyl-2-Pentanone	8.640	43	992	0.591	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	33484	26.651	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33484	91.205	ug/l #	6

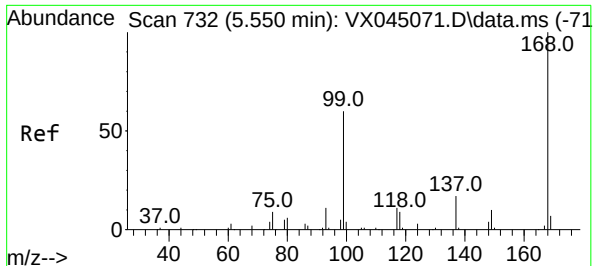
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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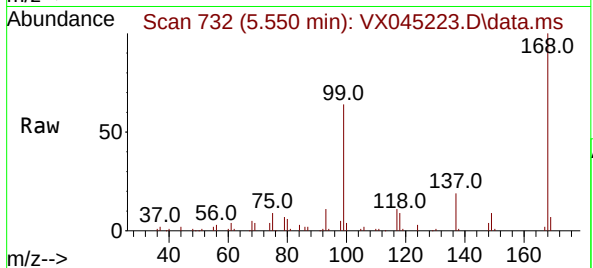
Quant Time: Mar 12 01:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



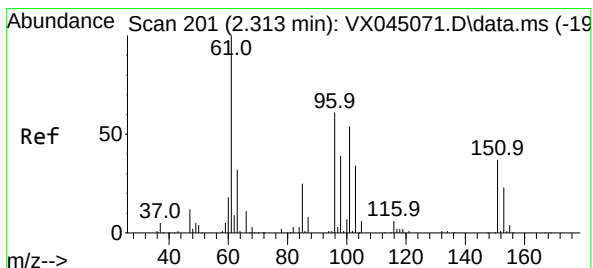
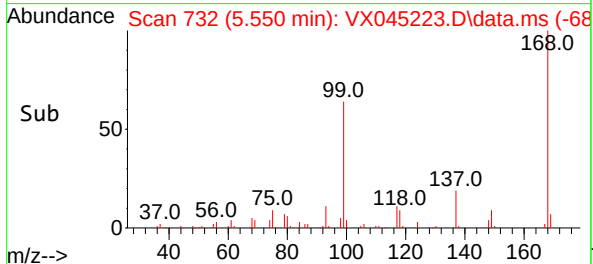
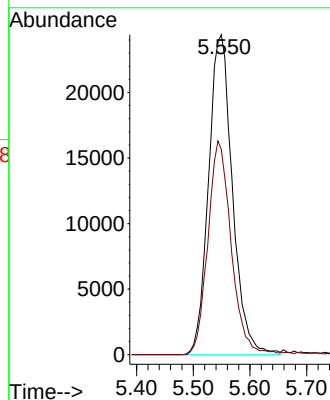


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250306DL

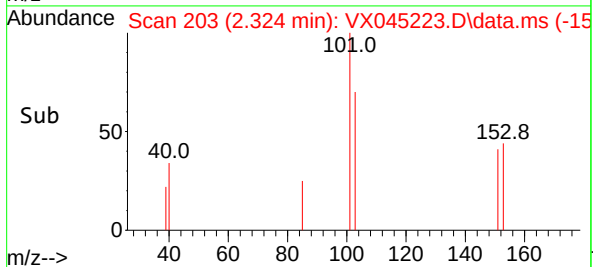
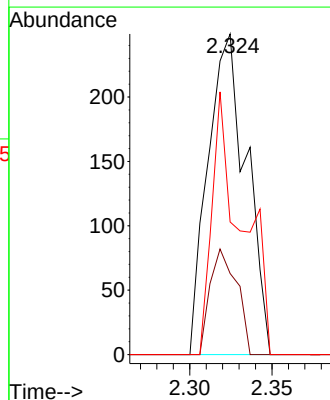
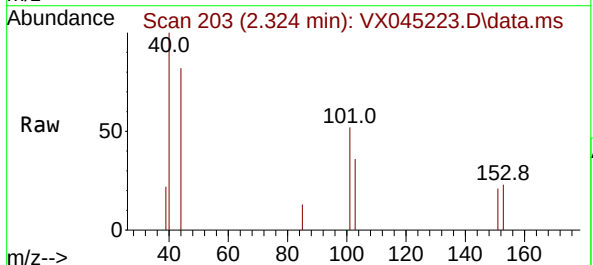


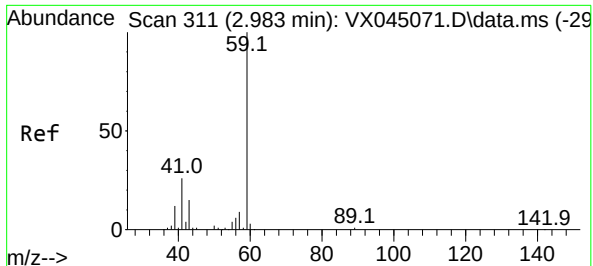
Tgt Ion:168 Resp: 71410
Ion Ratio Lower Upper
168 100
99 64.1 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.489 ug/l
RT: 2.324 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46

Tgt Ion:101 Resp: 406
Ion Ratio Lower Upper
101 100
85 22.9 36.2 54.4#
151 63.3 56.4 84.6





#11

Tert butyl alcohol

Concen: 4.680 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX045223.D

Acq: 11 Mar 2025 14:46

Instrument :

MSVOA_X

ClientSampleId :

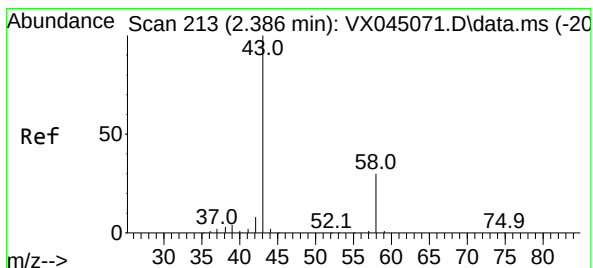
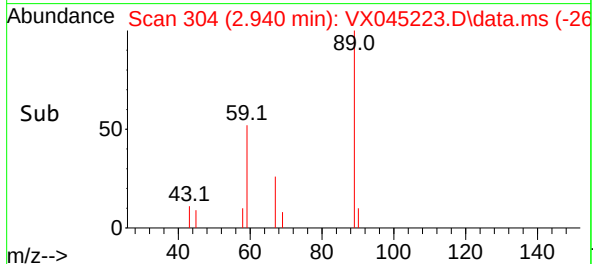
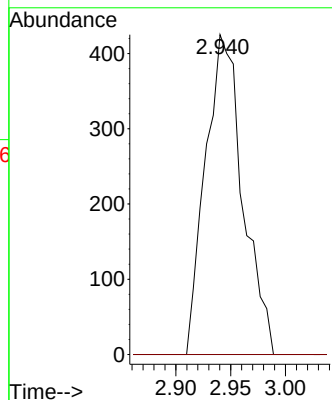
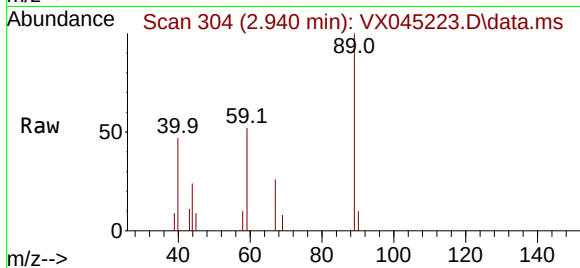
RE103D2-20250306DL

Tgt Ion: 59 Resp: 1007

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 0.761 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045223.D

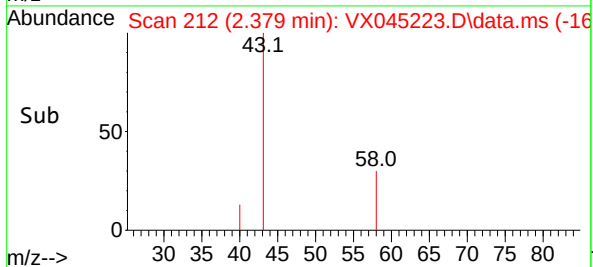
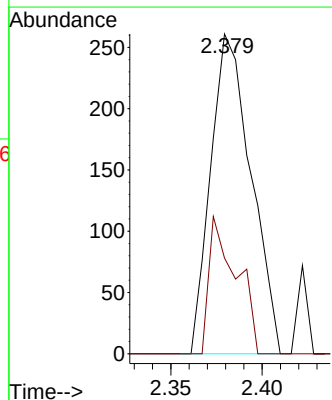
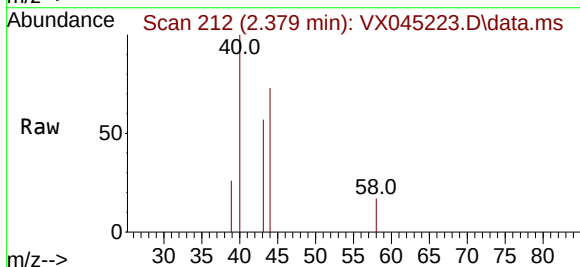
Acq: 11 Mar 2025 14:46

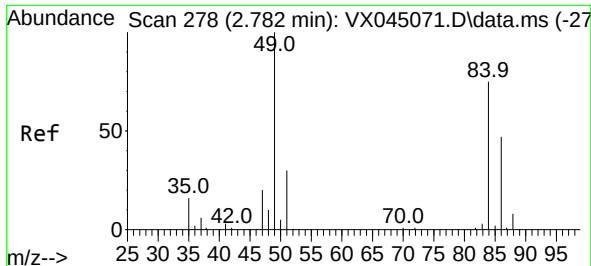
Tgt Ion: 43 Resp: 401

Ion Ratio Lower Upper

43 100

58 29.9 24.2 36.4





#20

Methylene Chloride

Concen: 0.237 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX045223.D

Acq: 11 Mar 2025 14:46

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20250306DL

Tgt Ion: 84 Resp: 247

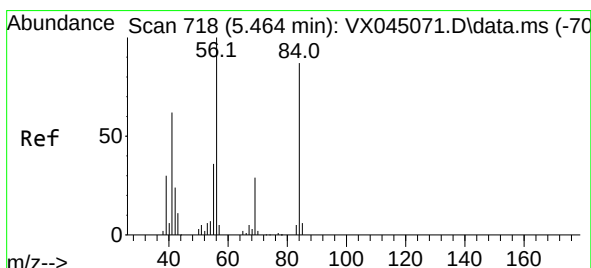
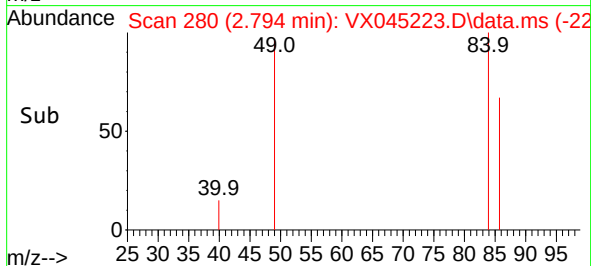
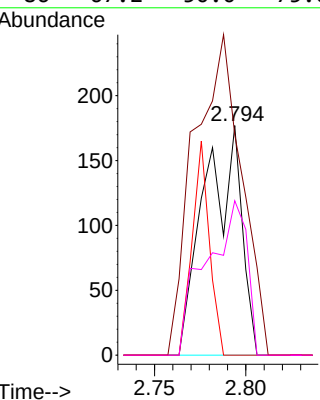
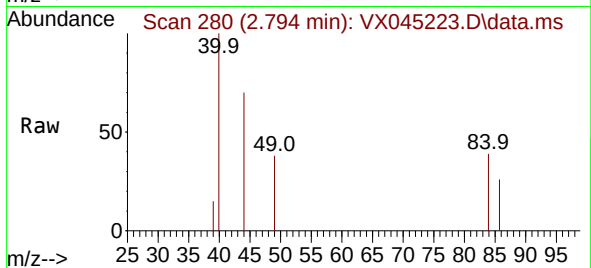
Ion Ratio Lower Upper

84 100

49 96.0 106.5 159.7#

51 0.0 32.1 48.1#

86 67.2 50.0 75.0



#31

Cyclohexane

Concen: 1.277 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045223.D

Acq: 11 Mar 2025 14:46

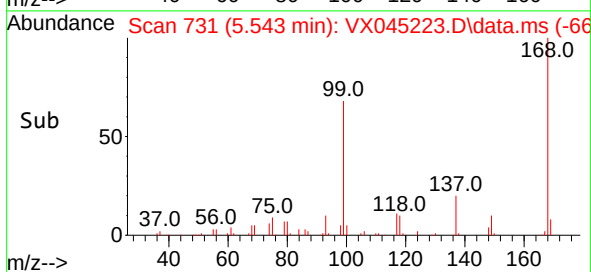
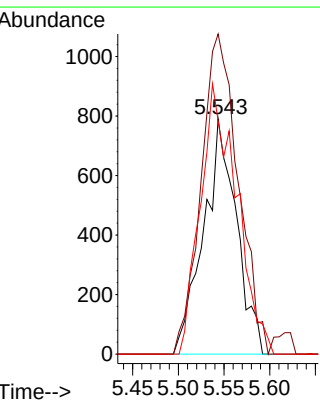
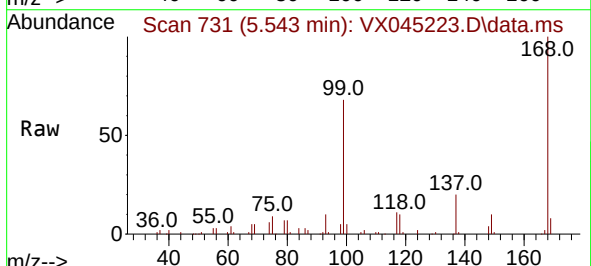
Tgt Ion: 56 Resp: 1974

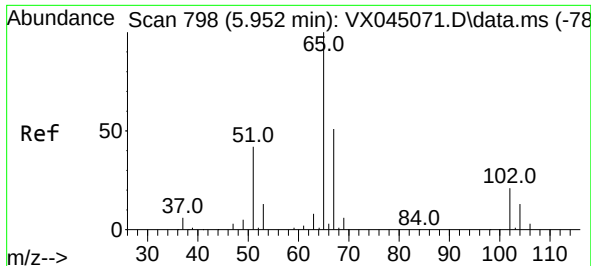
Ion Ratio Lower Upper

56 100

69 136.0 23.4 35.2#

84 99.1 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 53.551 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045223.D

Acq: 11 Mar 2025 14:46

Instrument :

MSVOA_X

ClientSampleId :

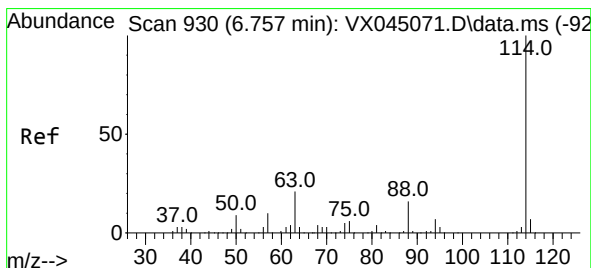
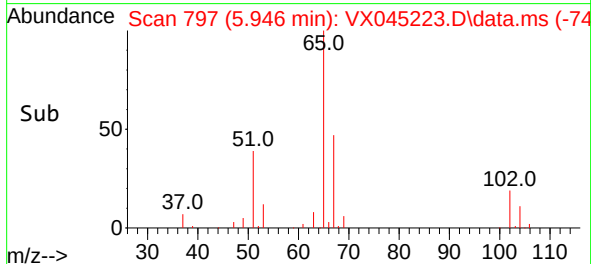
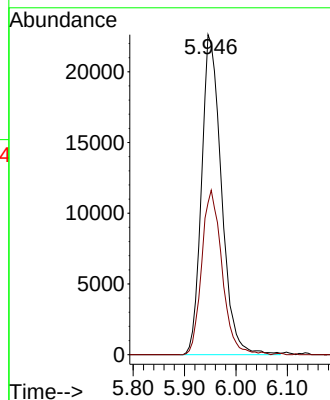
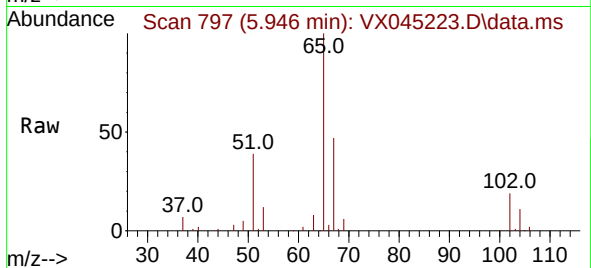
RE103D2-20250306DL

Tgt Ion: 65 Resp: 60827

Ion Ratio Lower Upper

65 100

67 52.6 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: VX045223.D

Acq: 11 Mar 2025 14:46

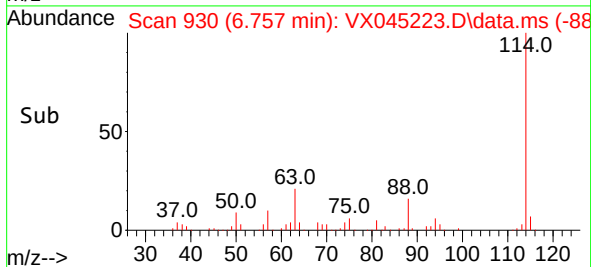
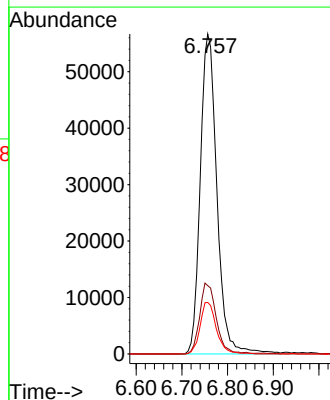
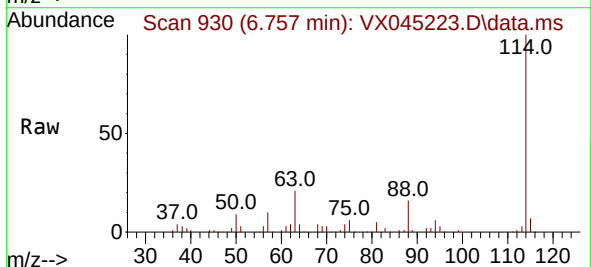
Tgt Ion: 114 Resp: 143079

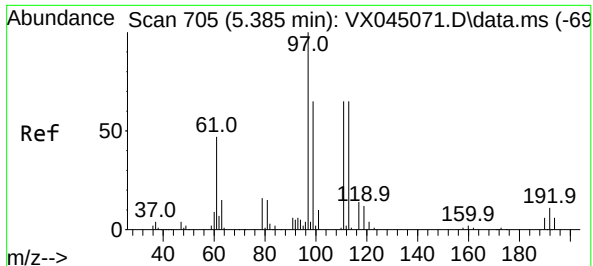
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.8

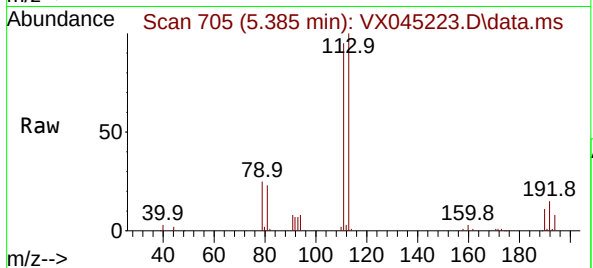
88 16.1 0.0 32.8



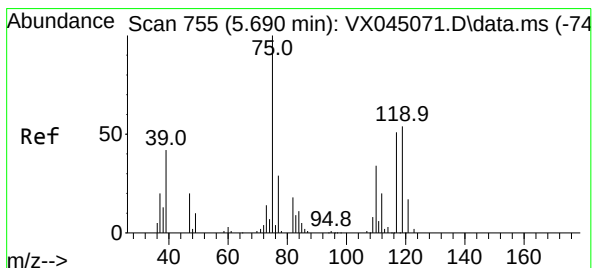
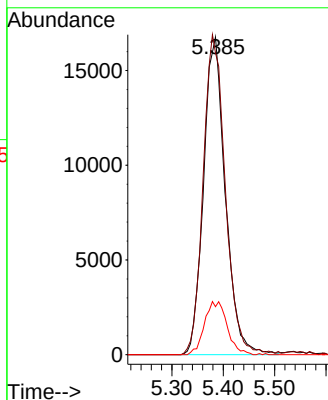
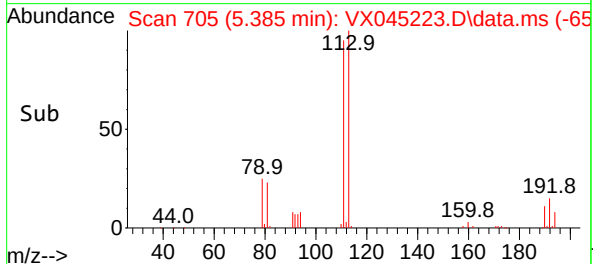


#35
Dibromofluoromethane
Concen: 51.624 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46

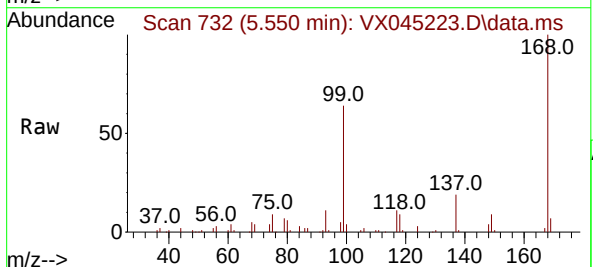
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250306DL



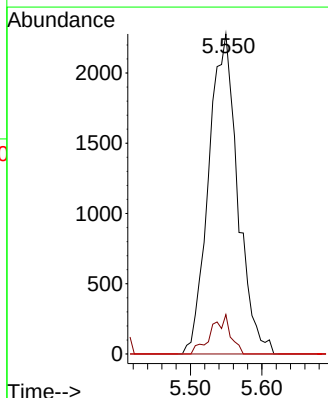
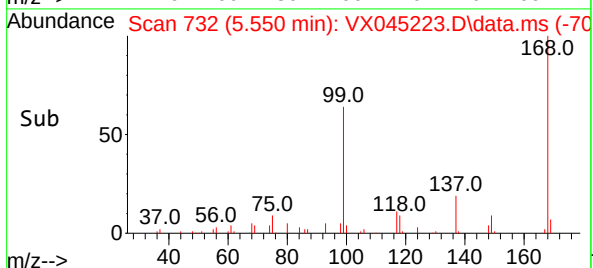
Tgt Ion:113 Resp: 49390
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 17.4 14.3 21.5

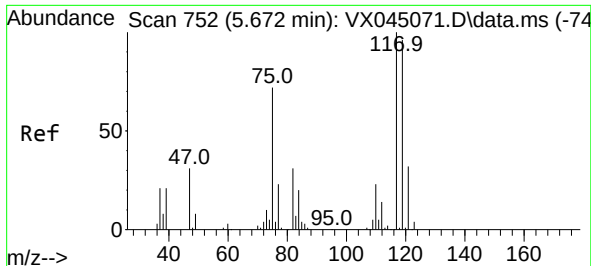


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46



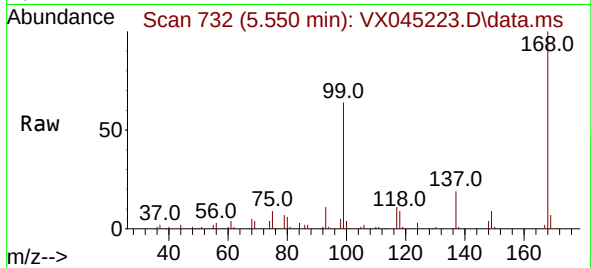
Tgt Ion: 75 Resp: 6452
Ion Ratio Lower Upper
75 100
110 8.2 16.9 50.6#
77 0.0 24.5 36.7#



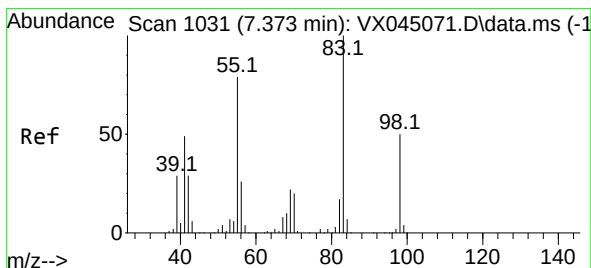
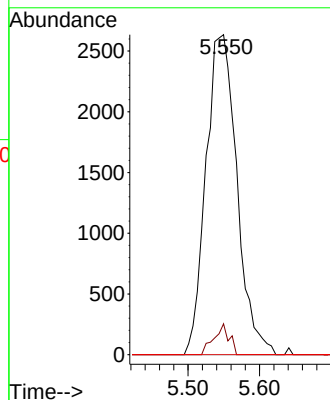
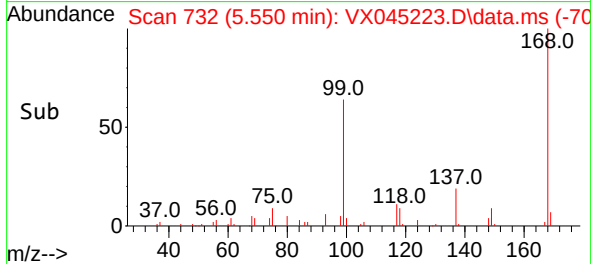


#38
Carbon Tetrachloride
Concen: 5.956 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46

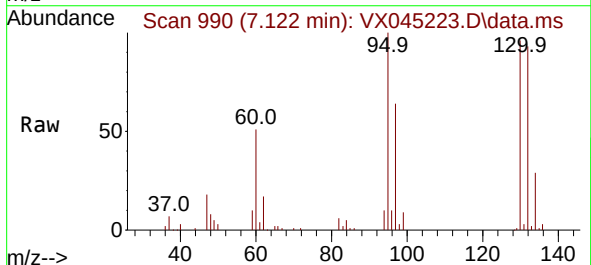
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MSVOA_X
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RE103D2-20250306DL



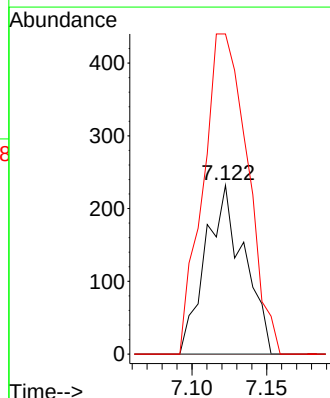
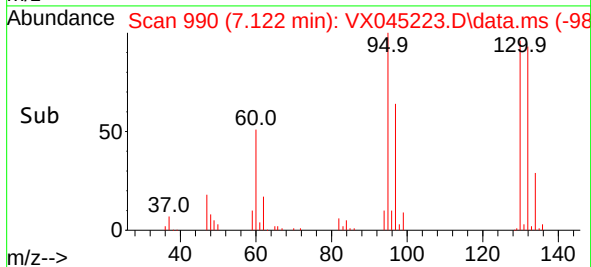
Tgt Ion:117 Resp: 7934
Ion Ratio Lower Upper
117 100
119 9.6 76.7 115.1#
121 0.0 25.5 38.3#

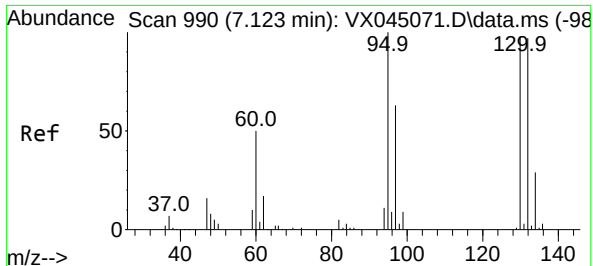


#39
Methylcyclohexane
Concen: 0.265 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46



Tgt Ion: 83 Resp: 417
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 189.7 39.7 59.5#

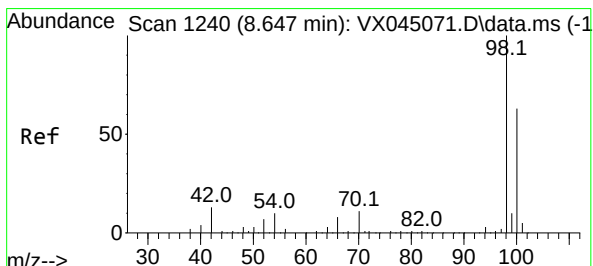
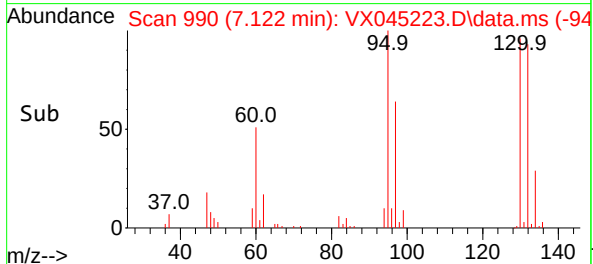
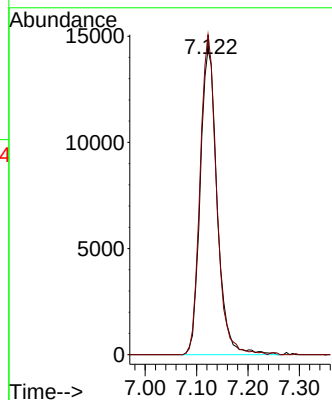
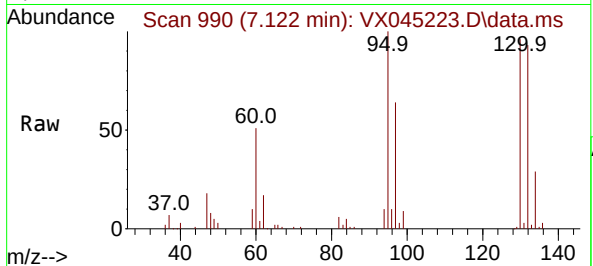




#44
Trichloroethene
Concen: 33.948 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46

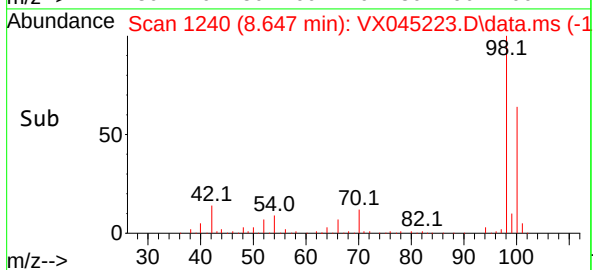
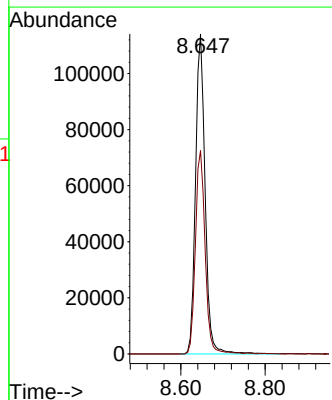
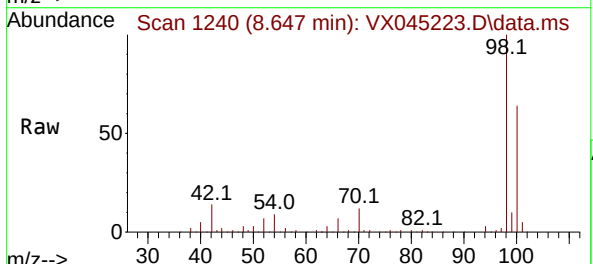
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250306DL

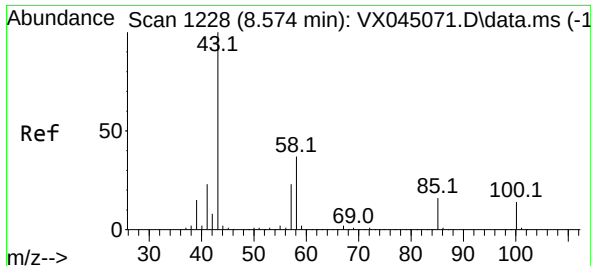
Tgt Ion:130 Resp: 33027
Ion Ratio Lower Upper
130 100
95 104.6 0.0 205.0



#50
Toluene-d8
Concen: 52.063 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46

Tgt Ion: 98 Resp: 180581
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0

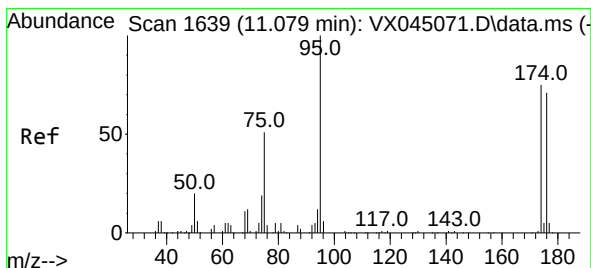
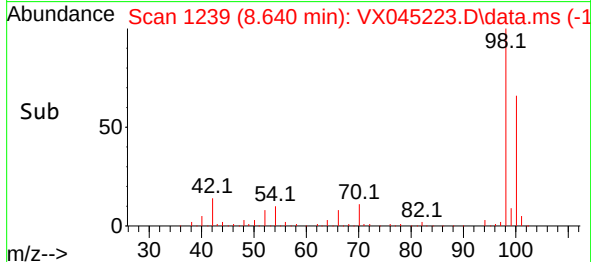
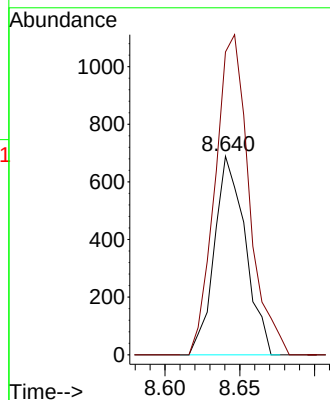
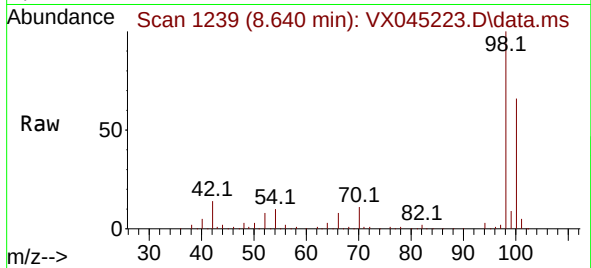




#51
4-Methyl-2-Pentanone
Concen: 0.591 ug/l
RT: 8.640 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46

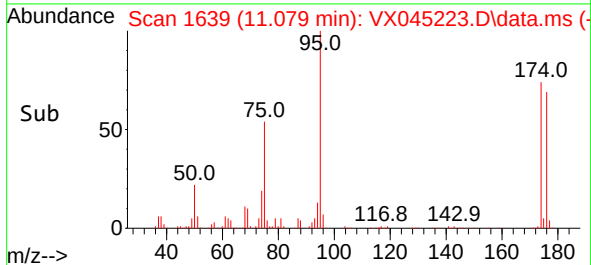
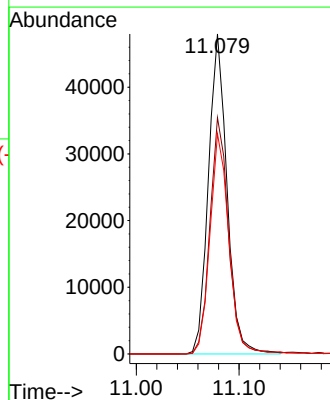
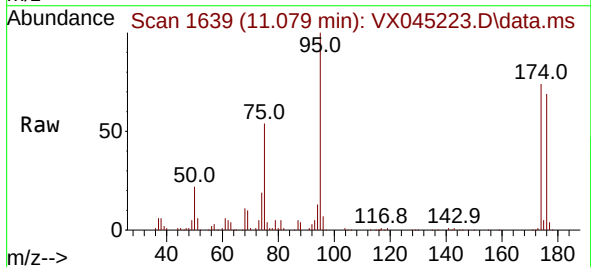
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250306DL

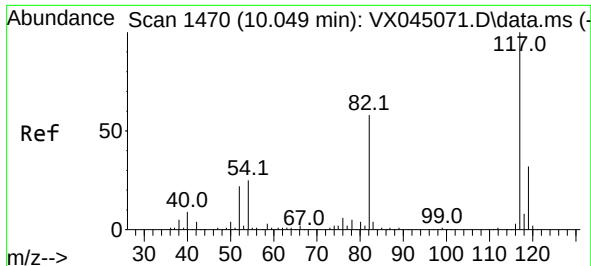
Tgt Ion: 43 Resp: 992
Ion Ratio Lower Upper
43 100
58 177.1 29.2 43.8#



#62
4-Bromofluorobenzene
Concen: 52.564 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46

Tgt Ion: 95 Resp: 60414
Ion Ratio Lower Upper
95 100
174 74.5 0.0 148.2
176 70.3 0.0 141.4

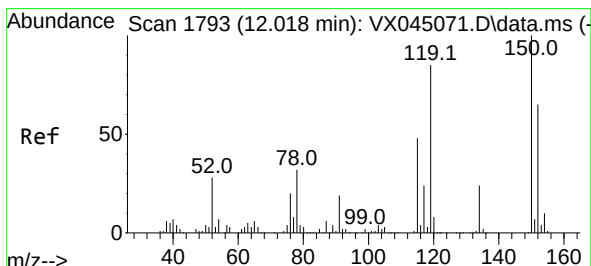
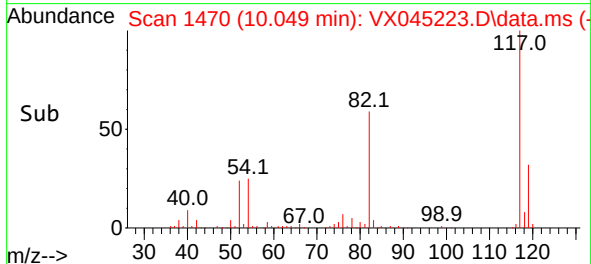
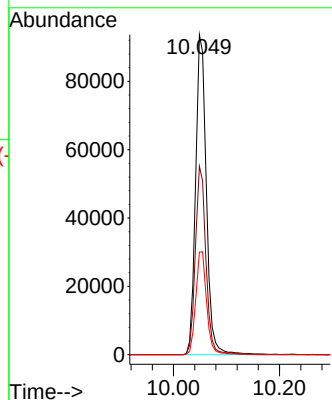
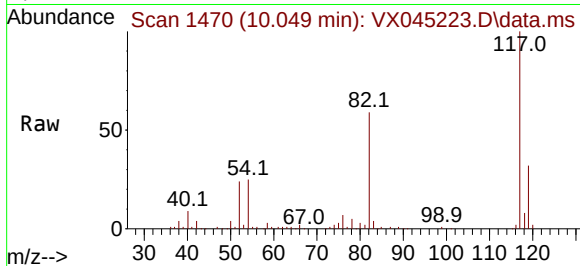




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46

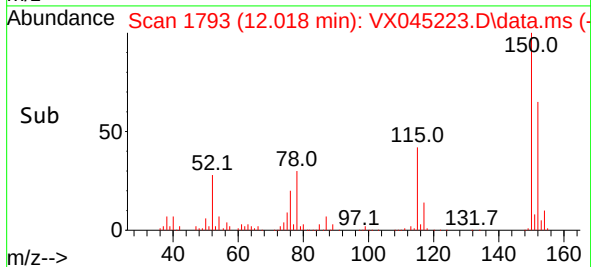
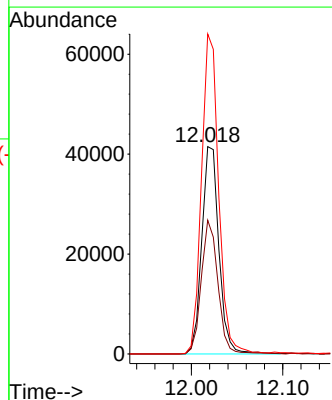
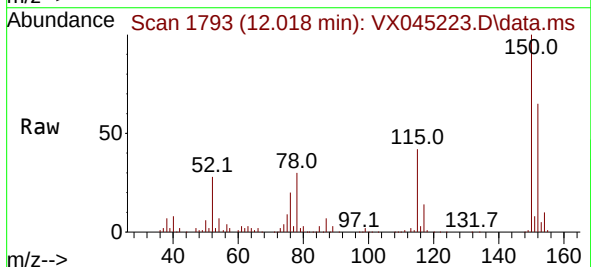
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250306DL

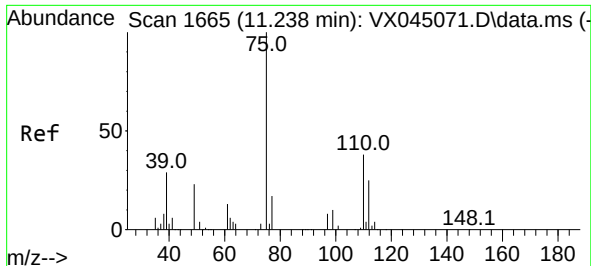
Tgt Ion:117 Resp: 131881
Ion Ratio Lower Upper
117 100
82 58.9 46.3 69.5
119 32.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46

Tgt Ion:152 Resp: 53980
Ion Ratio Lower Upper
152 100
115 62.7 44.2 132.6
150 154.5 0.0 349.0

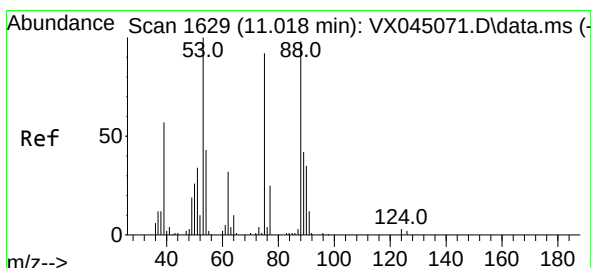
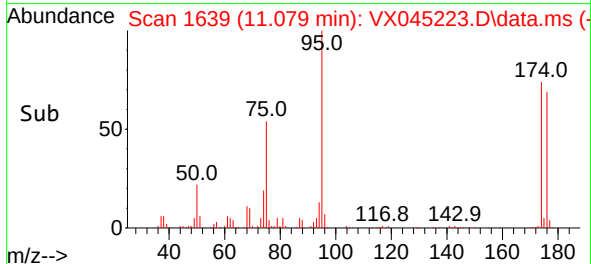
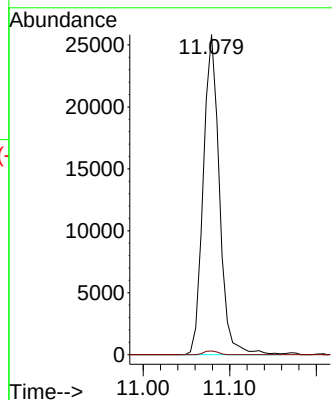
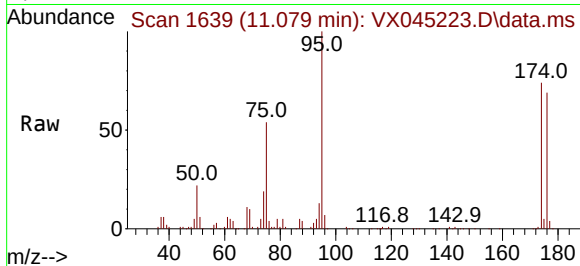




#76
1,2,3-Trichloropropane
Concen: 26.651 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20250306DL

Tgt Ion: 75 Resp: 33484
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.205 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045223.D
Acq: 11 Mar 2025 14:46

Tgt Ion: 75 Resp: 33484
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

