

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
 Data File : VX045330.D
 Acq On : 18 Mar 2025 17:10
 Operator : JC/MD
 Sample : Q1559-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20250312

Quant Time: Mar 19 01:47:34 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)

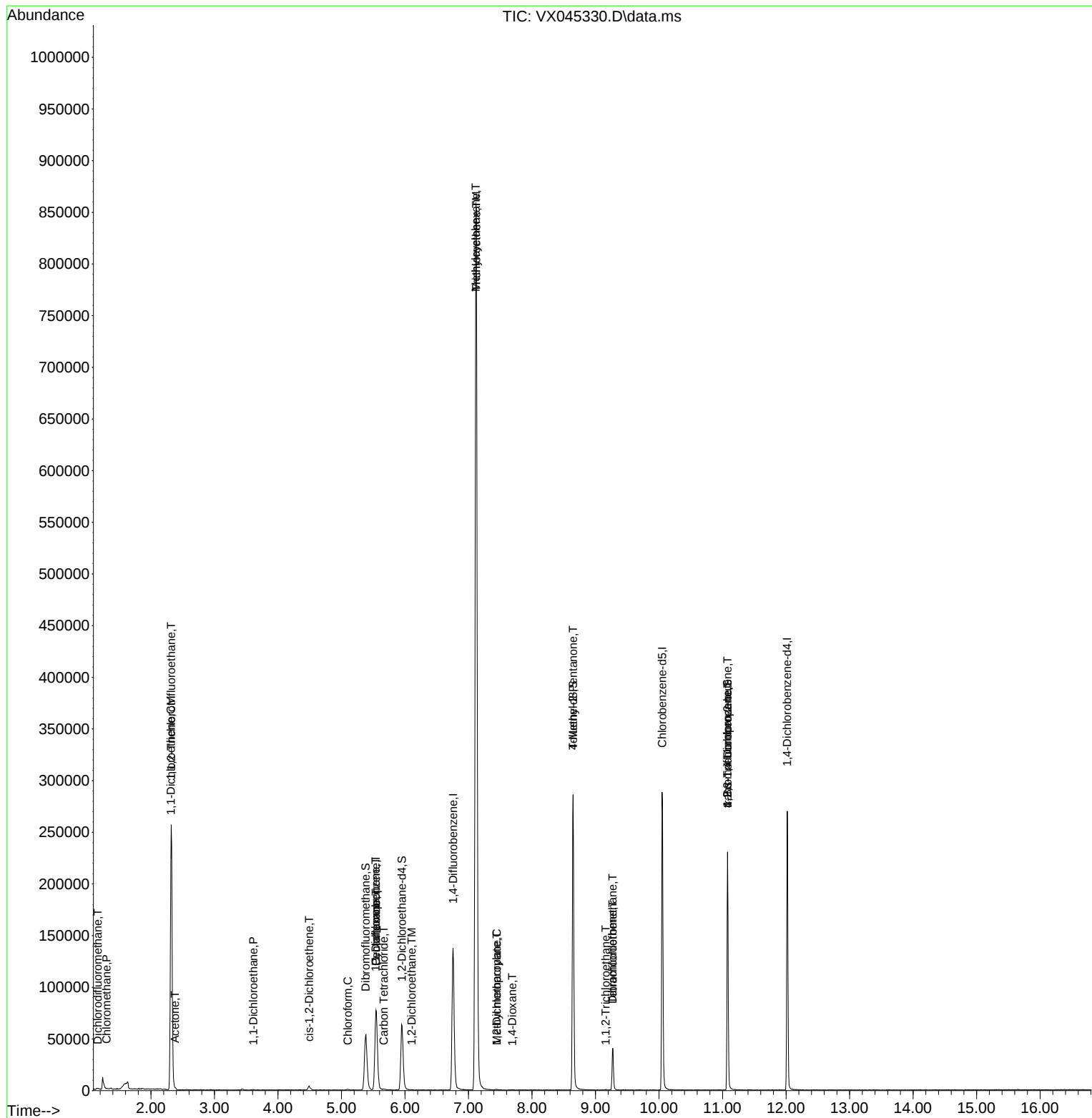
Internal Standards						
1) Pentafluorobenzene	5.544	168	68067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134006	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60232	55.631	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.260%	
35) Dibromofluoromethane	5.379	113	46719	52.138	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.280%	
50) Toluene-d8	8.647	98	166985	51.403	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.800%	
62) 4-Bromofluorobenzene	11.079	95	59036	54.842	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.680%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.160	85	263	0.307	ug/l #	40
3) Chloromethane	1.300	50	217	0.207	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.318	101	100646	127.222	ug/l	99
12) 1,1-Dichloroethene	2.312	96	1617	1.933	ug/l #	91
16) Acetone	2.379	43	1007	2.005	ug/l #	73
24) 1,1-Dichloroethane	3.611	63	648	0.382	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	2327	2.281	ug/l	95
30) Chloroform	5.098	83	888	0.527	ug/l #	70
31) Cyclohexane	5.544	56	1967	1.335	ug/l #	34
36) 1,1-Dichloropropene	5.537	75	6617	5.385	ug/l #	49
38) Carbon Tetrachloride	5.665	117	654	0.524	ug/l #	73
39) Methylcyclohexane	7.116	83	4641	3.152	ug/l #	1
42) 1,2-Dichloroethane	6.104	62	406	0.291	ug/l #	75
44) Trichloroethene	7.123	130	317643	348.611	ug/l	100
45) 1,2-Dichloropropane	7.446	63	314	0.315	ug/l #	44
48) Methyl methacrylate	7.446	41	320	0.272	ug/l #	44
49) 1,4-Dioxane	7.689	88	183	7.385	ug/l #	61
51) 4-Methyl-2-Pentanone	8.647	43	859	0.546	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	261	0.278	ug/l #	45
60) Dibromochloromethane	9.268	129	7726	7.884	ug/l #	11
64) Tetrachloroethene	9.268	164	7527	9.554	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	32825	27.752	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	32825	94.971	ug/l #	6

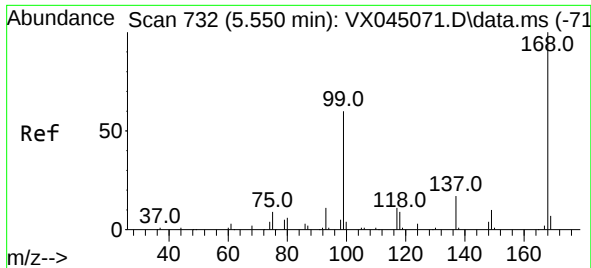
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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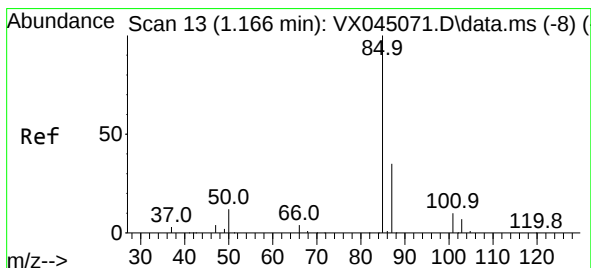
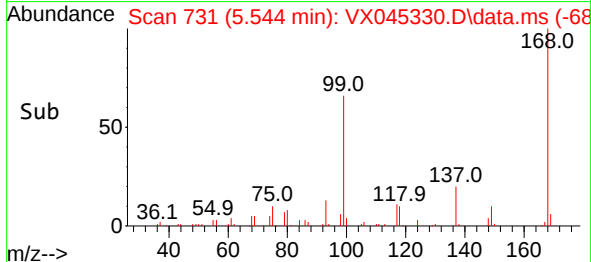
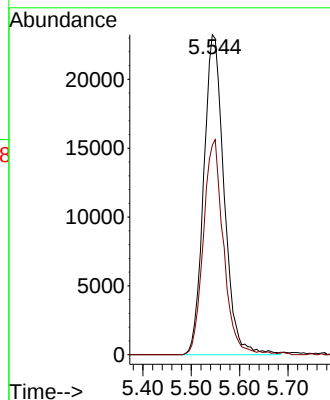
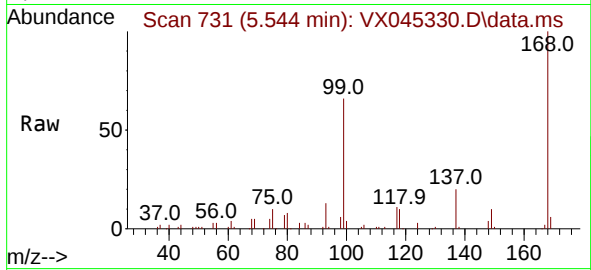




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

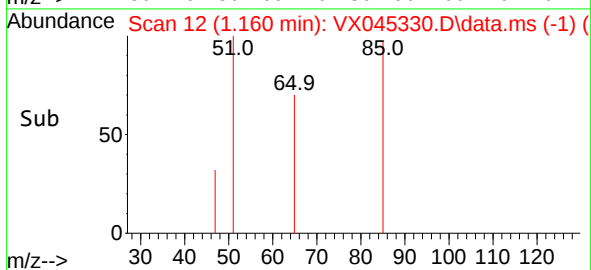
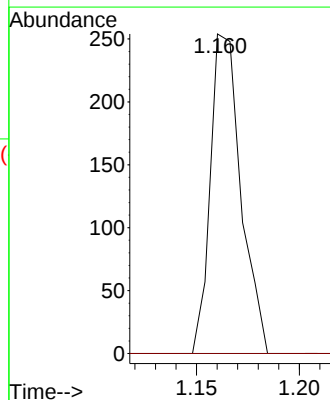
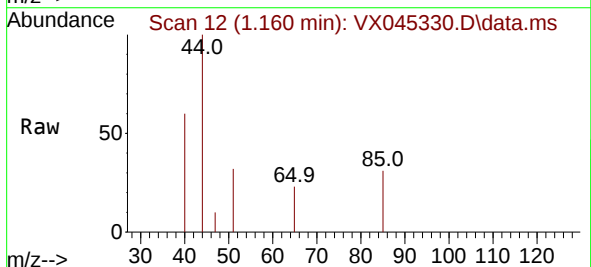
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

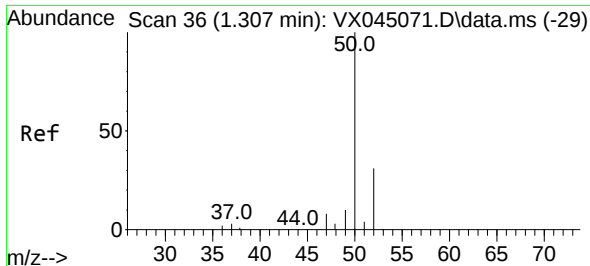
Tgt Ion:168 Resp: 68067
Ion Ratio Lower Upper
168 100
99 65.5 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.307 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion: 85 Resp: 263
Ion Ratio Lower Upper
85 100
87 0.0 17.4 52.3#

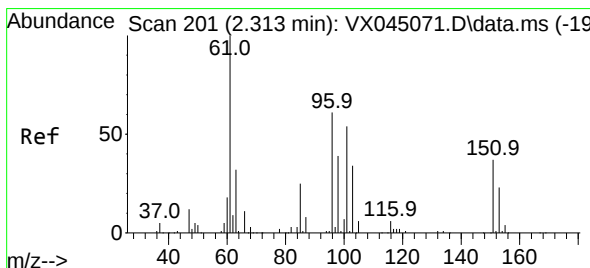
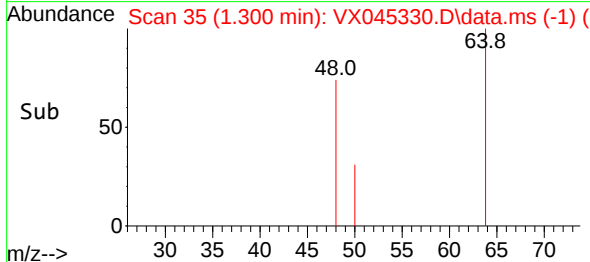
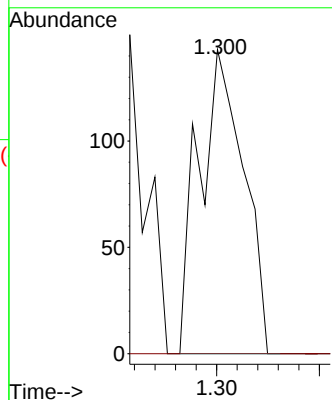
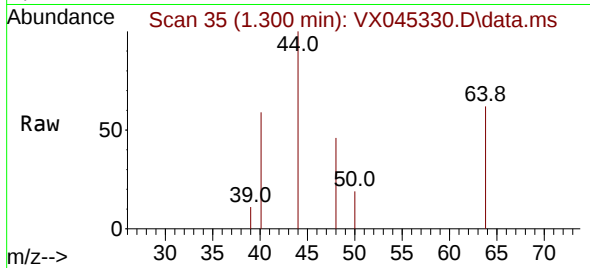




#3
Chloromethane
Concen: 0.207 ug/l
RT: 1.300 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

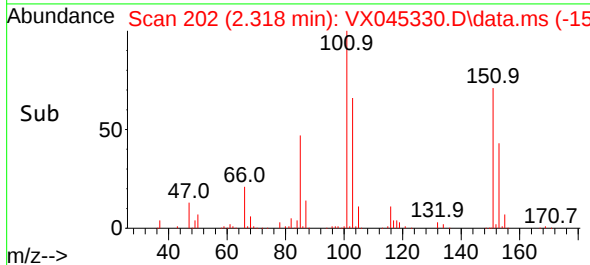
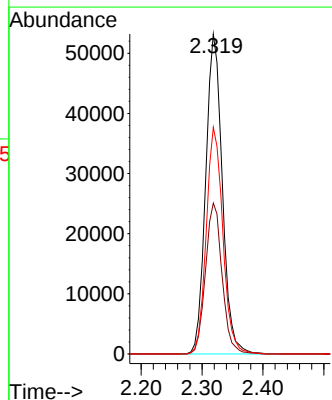
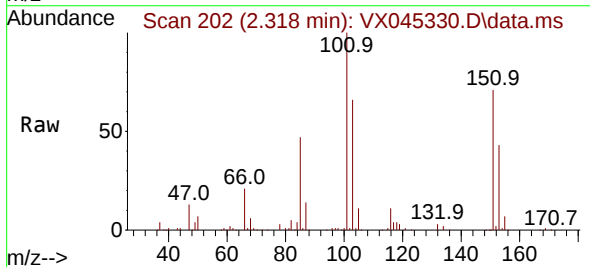
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

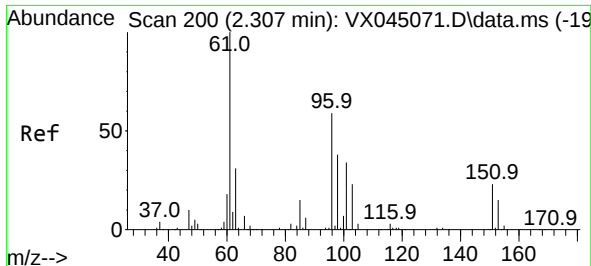
Tgt Ion: 50 Resp: 217
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 127.222 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion: 101 Resp: 100646
Ion Ratio Lower Upper
101 100
85 47.2 36.2 54.4
151 70.8 56.4 84.6





#12

1,1-Dichloroethene

Concen: 1.933 ug/l

RT: 2.312 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045330.D

Acq: 18 Mar 2025 17:10

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20250312

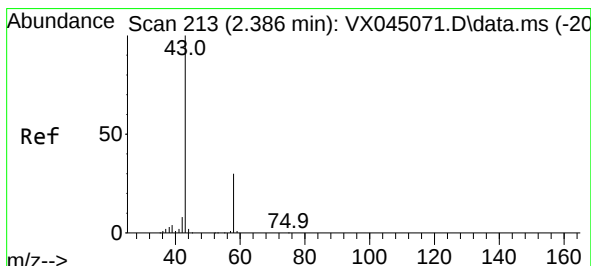
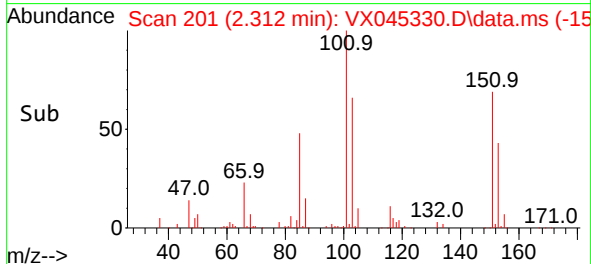
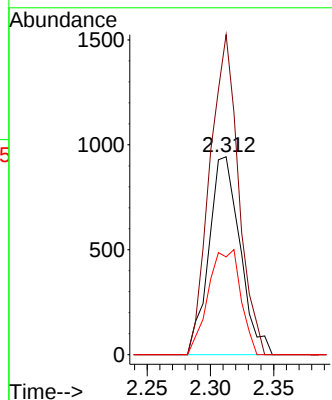
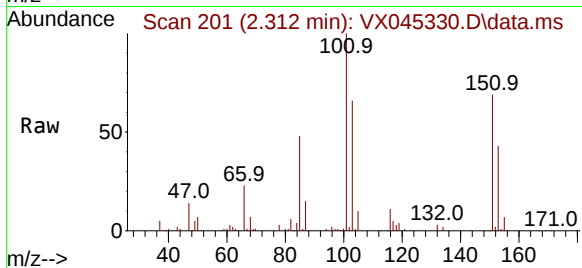
Tgt Ion: 96 Resp: 1617

Ion Ratio Lower Upper

96 100

61 161.7 134.6 202.0

98 49.4 51.0 76.6#



#16

Acetone

Concen: 2.005 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045330.D

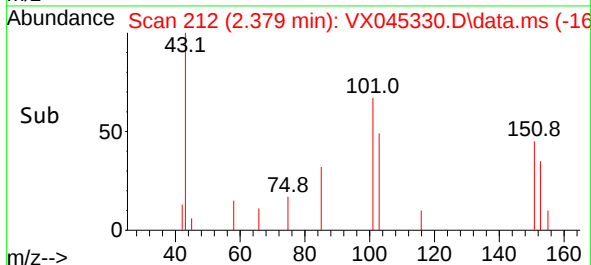
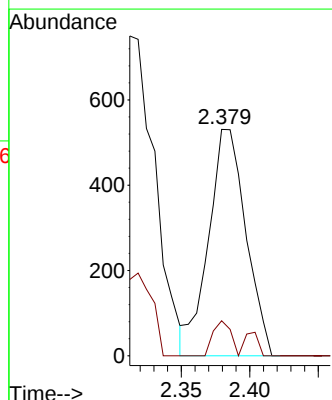
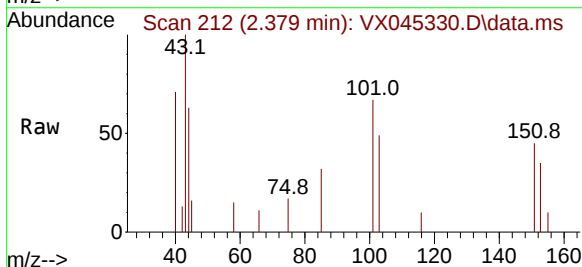
Acq: 18 Mar 2025 17:10

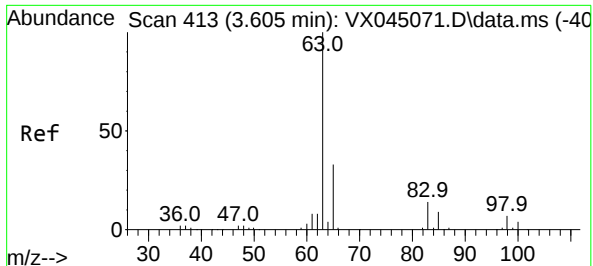
Tgt Ion: 43 Resp: 1007

Ion Ratio Lower Upper

43 100

58 15.4 24.2 36.4#

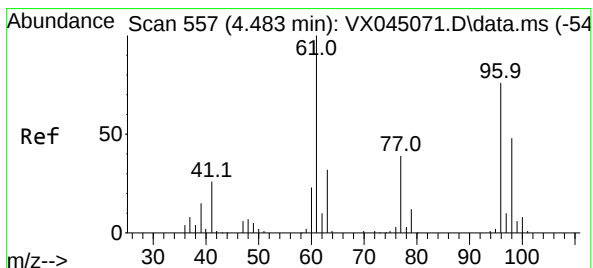
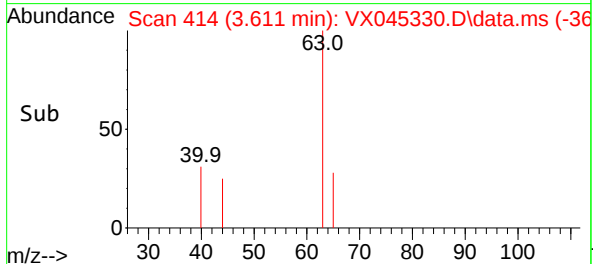
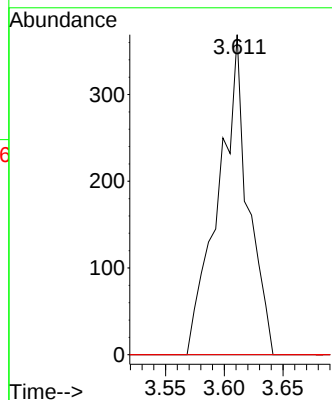
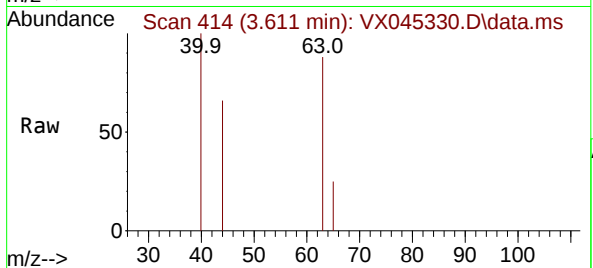




#24
1,1-Dichloroethane
Concen: 0.382 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

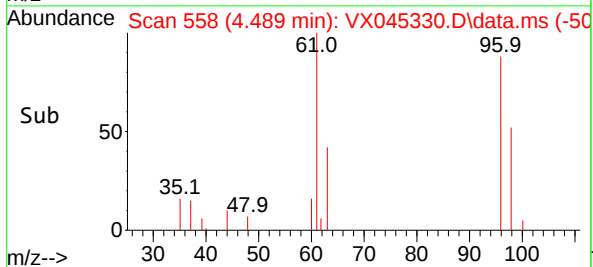
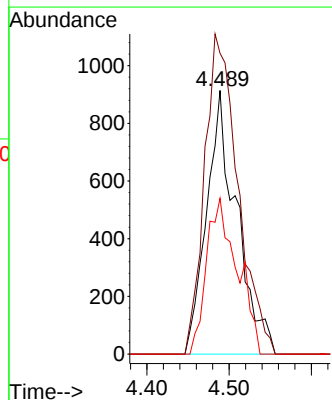
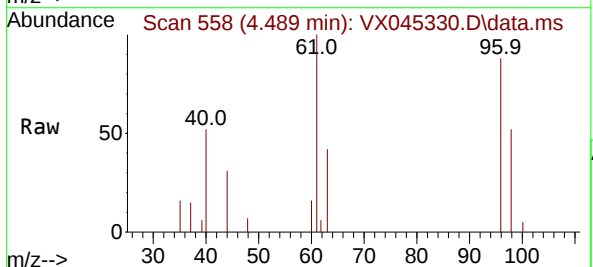
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

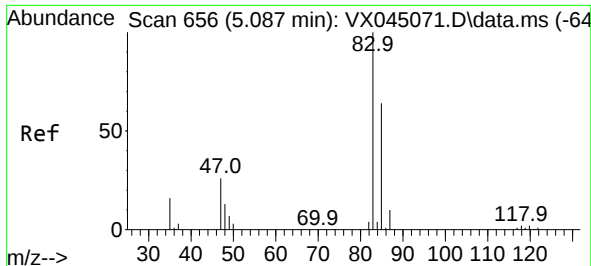
Tgt Ion: 63 Resp: 648
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 2.281 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion: 96 Resp: 2327
Ion Ratio Lower Upper
96 100
61 134.5 0.0 283.2
98 60.3 0.0 128.0





#30

Chloroform

Concen: 0.527 ug/l

RT: 5.098 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX045330.D

Acq: 18 Mar 2025 17:10

Instrument :

MSVOA_X

ClientSampleId :

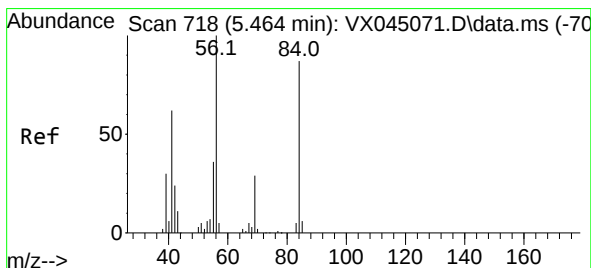
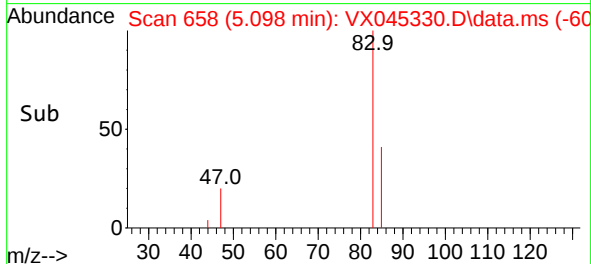
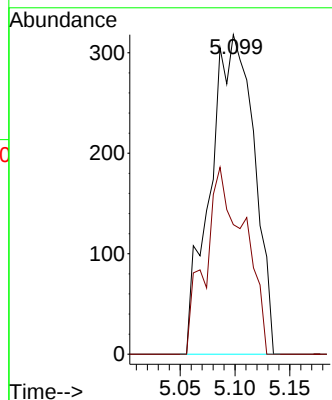
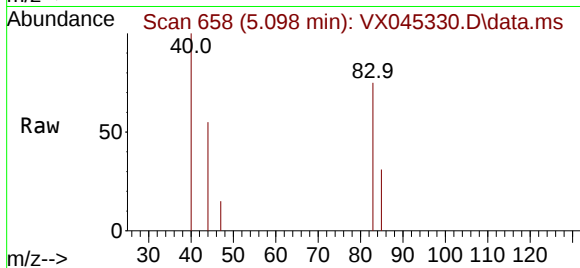
RE120D2-20250312

Tgt Ion: 83 Resp: 888

Ion Ratio Lower Upper

83 100

85 40.6 51.4 77.2#



#31

Cyclohexane

Concen: 1.335 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045330.D

Acq: 18 Mar 2025 17:10

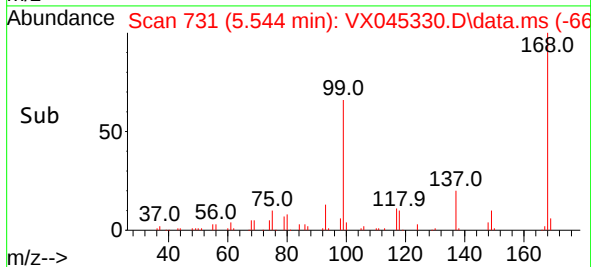
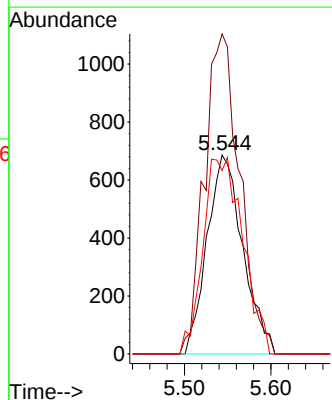
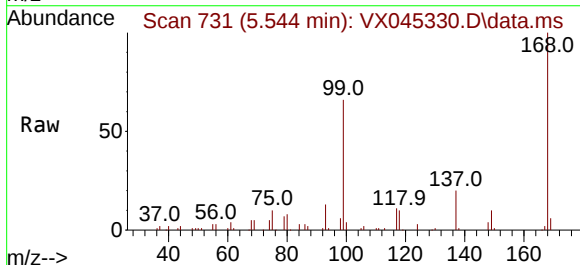
Tgt Ion: 56 Resp: 1967

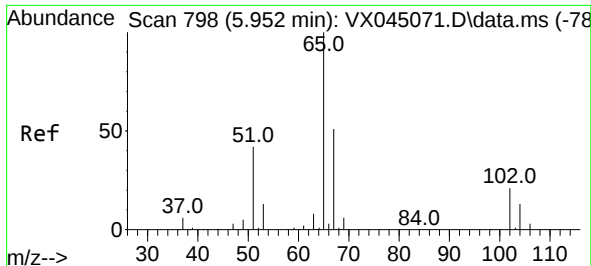
Ion Ratio Lower Upper

56 100

69 160.7 23.4 35.2#

84 92.1 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 55.631 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045330.D

Acq: 18 Mar 2025 17:10

Instrument :

MSVOA_X

ClientSampleId :

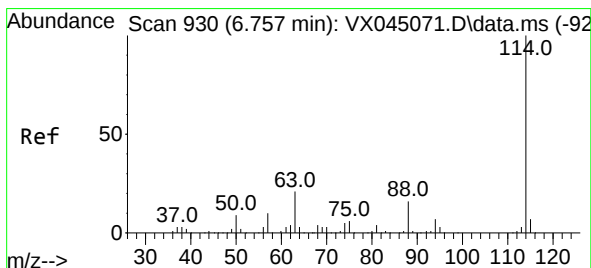
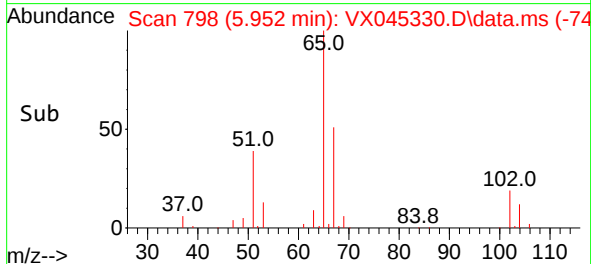
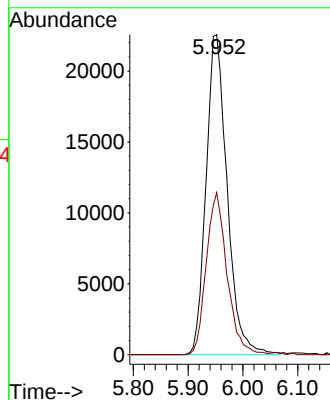
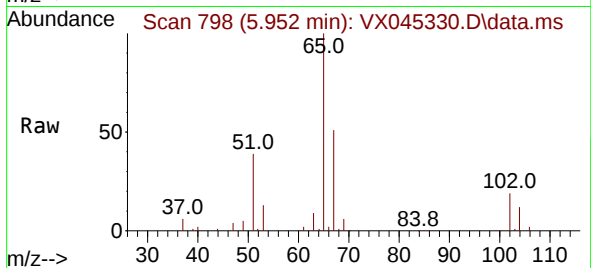
RE120D2-20250312

Tgt Ion: 65 Resp: 60232

Ion Ratio Lower Upper

65 100

67 49.9 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: VX045330.D

Acq: 18 Mar 2025 17:10

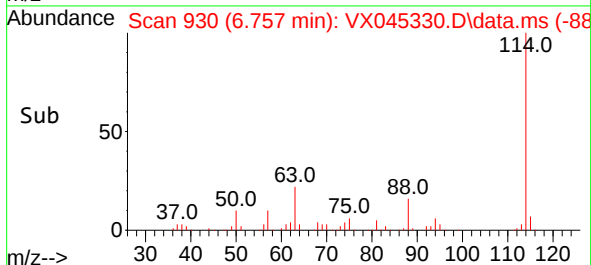
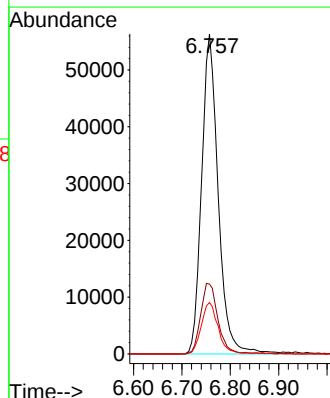
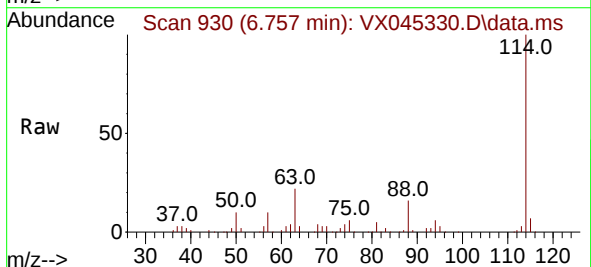
Tgt Ion: 114 Resp: 134006

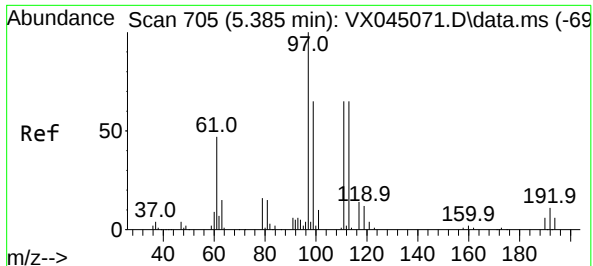
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 16.0 0.0 32.8

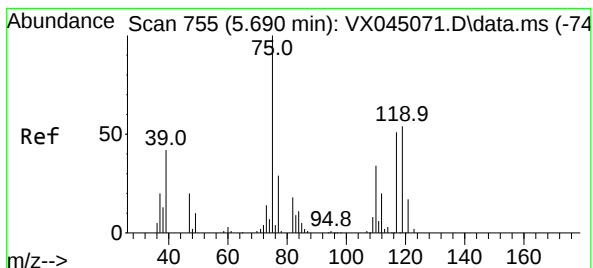
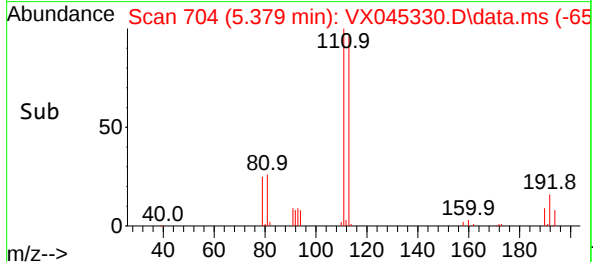
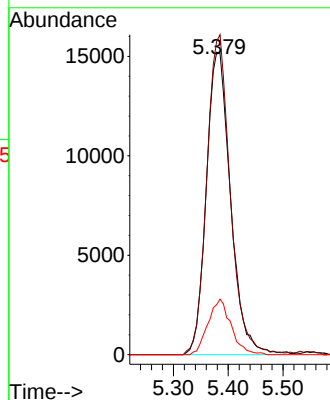
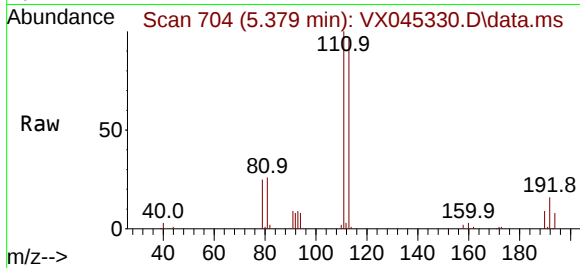




#35
Dibromofluoromethane
Concen: 52.138 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

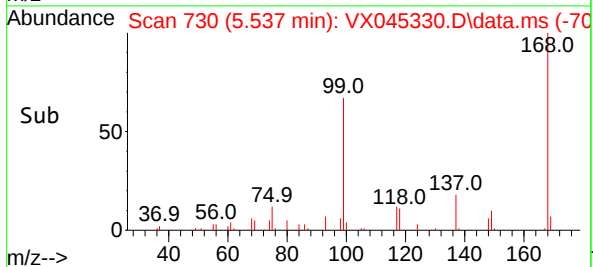
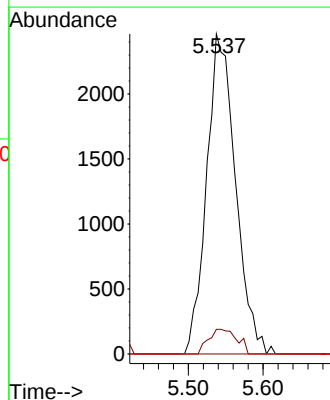
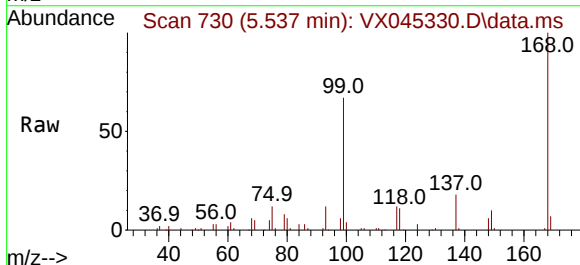
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

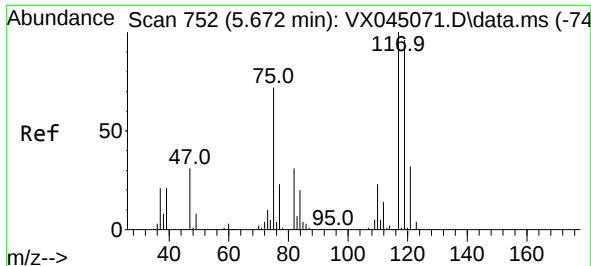
Tgt Ion:	113	Resp:	46719
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	17.5	14.3	21.5



#36
1,1-Dichloropropene
Concen: 5.385 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.153 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

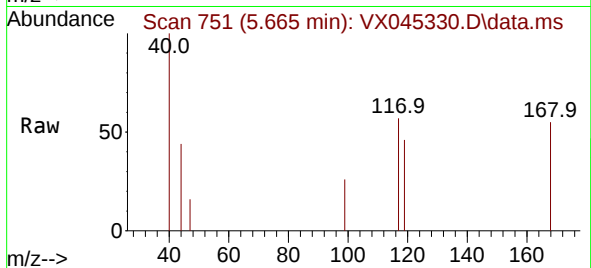
Tgt Ion:	75	Resp:	6617
Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.9	50.6#
77	0.0	24.5	36.7#



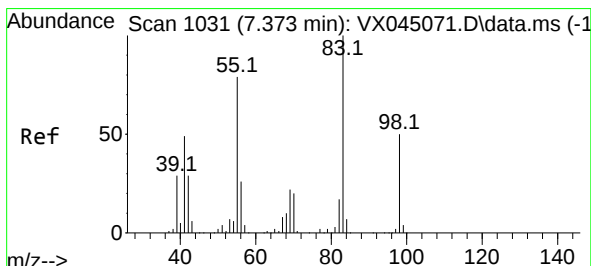
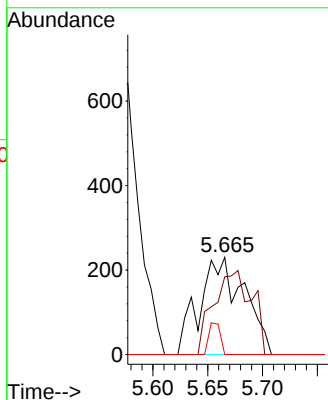
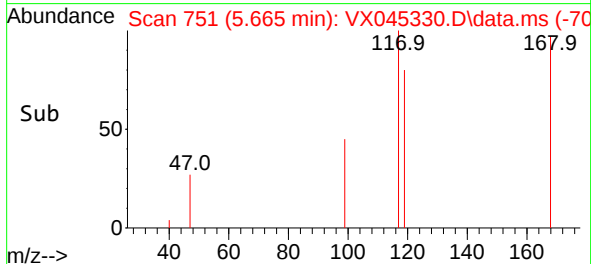


#38
Carbon Tetrachloride
Concen: 0.524 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

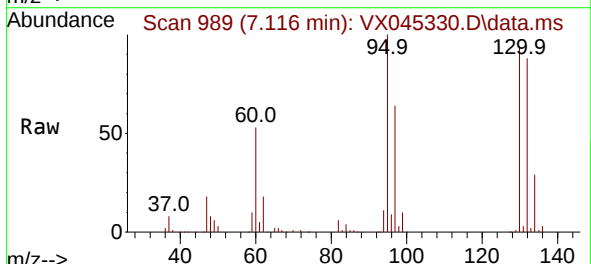
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312



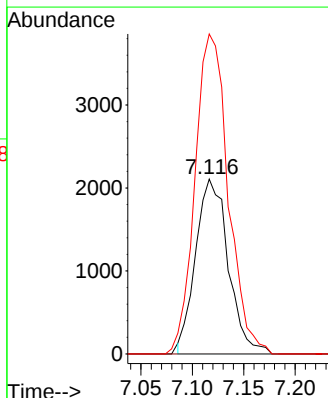
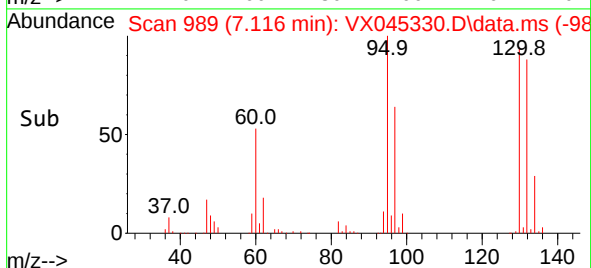
Tgt Ion:117 Resp: 654
Ion Ratio Lower Upper
117 100
119 80.0 76.7 115.1
121 0.0 25.5 38.3#

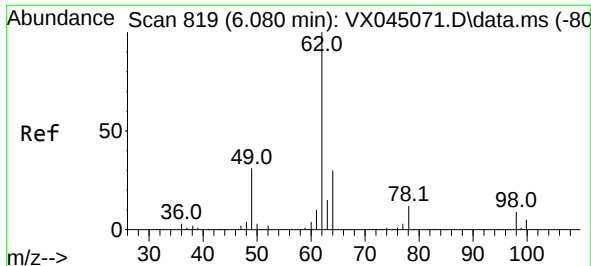


#39
Methylcyclohexane
Concen: 3.152 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10



Tgt Ion: 83 Resp: 4641
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 183.0 39.7 59.5#

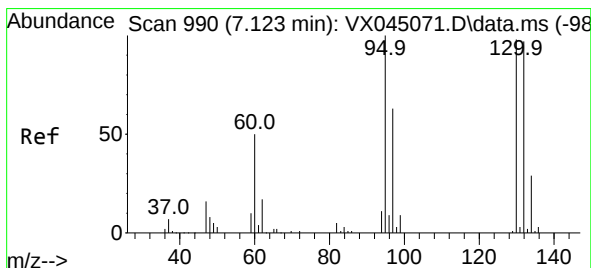
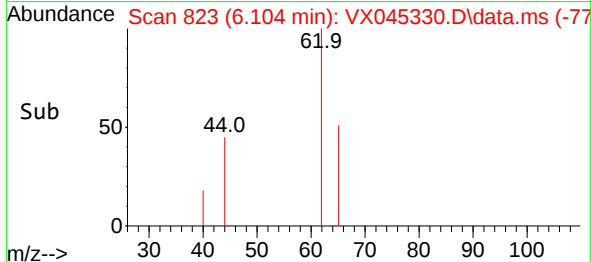
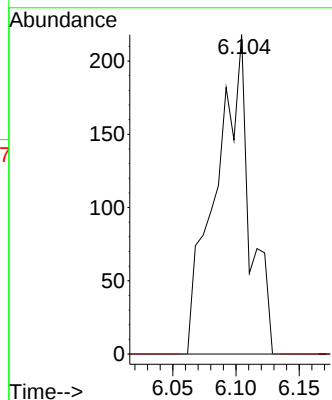
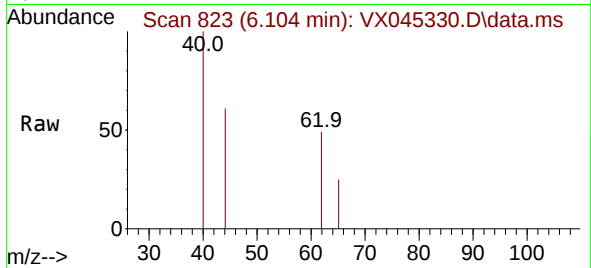




#42
1,2-Dichloroethane
Concen: 0.291 ug/l
RT: 6.104 min Scan# 819
Delta R.T. 0.024 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

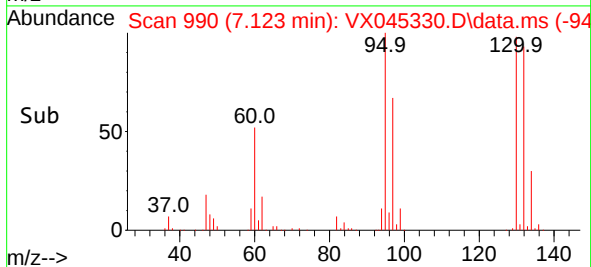
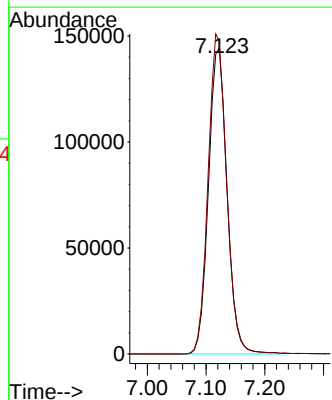
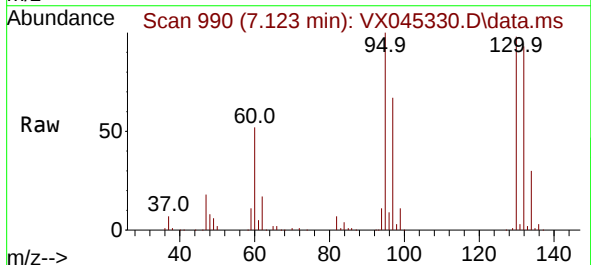
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

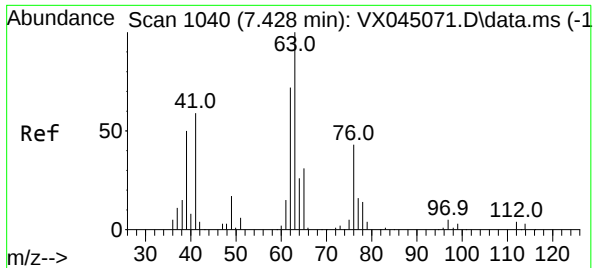
Tgt Ion: 62 Resp: 406
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#44
Trichloroethene
Concen: 348.611 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion:130 Resp: 317643
Ion Ratio Lower Upper
130 100
95 102.0 0.0 205.0

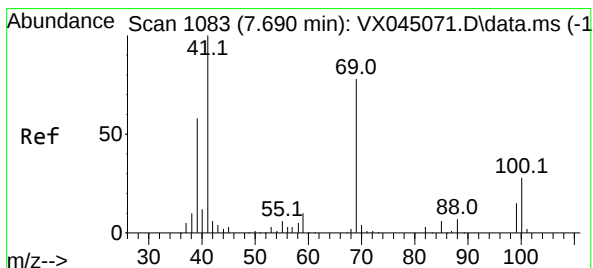
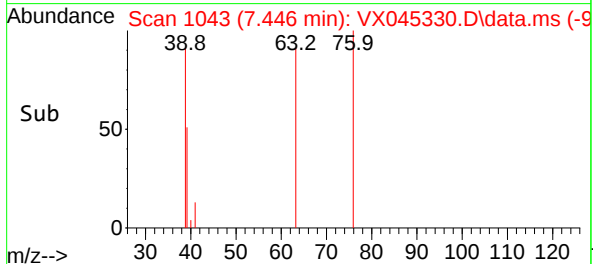
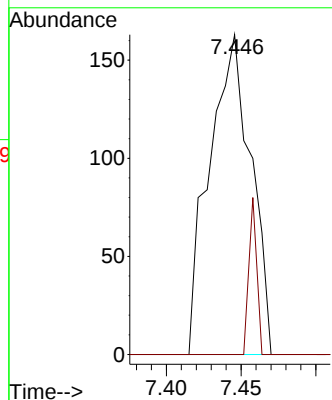
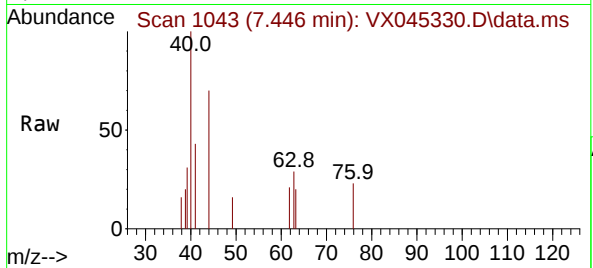




#45
1,2-Dichloropropane
Concen: 0.315 ug/l
RT: 7.446 min Scan# 1043
Delta R.T. 0.018 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

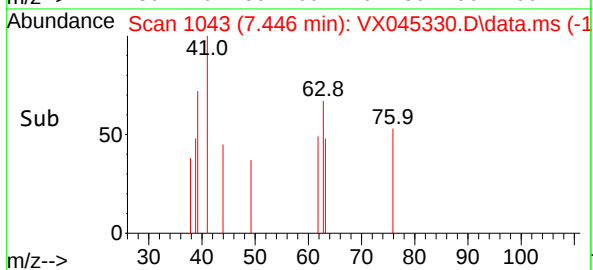
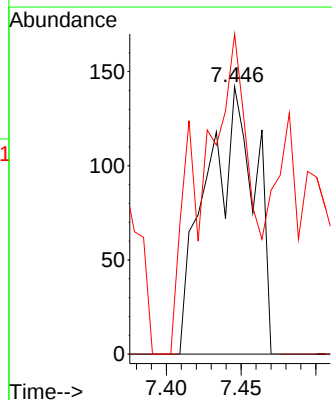
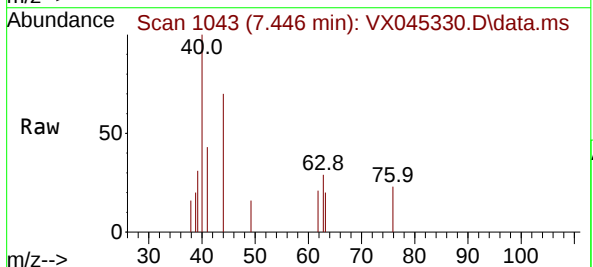
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

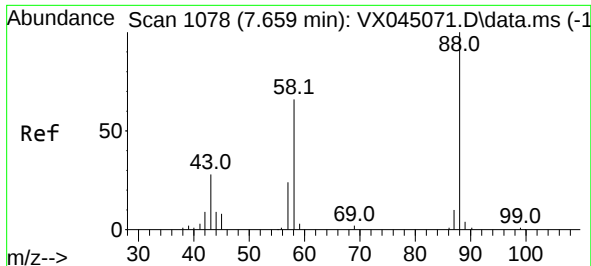
Tgt Ion: 63 Resp: 314
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#



#48
Methyl methacrylate
Concen: 0.272 ug/l
RT: 7.446 min Scan# 1043
Delta R.T. -0.244 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion: 41 Resp: 320
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 67.8 47.5 71.3





#49

1,4-Dioxane

Concen: 7.385 ug/l

RT: 7.689 min Scan# 1078

Delta R.T. 0.030 min

Lab File: VX045330.D

Acq: 18 Mar 2025 17:10

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20250312

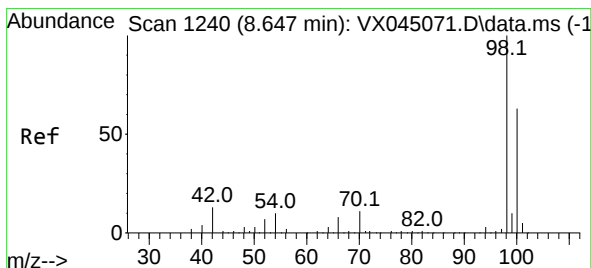
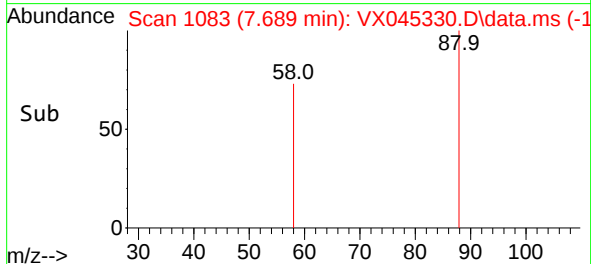
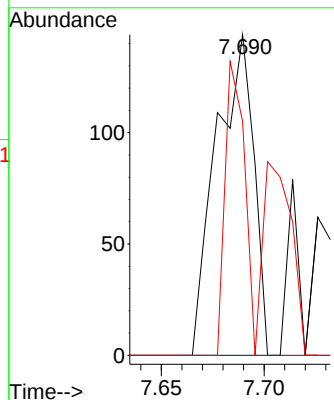
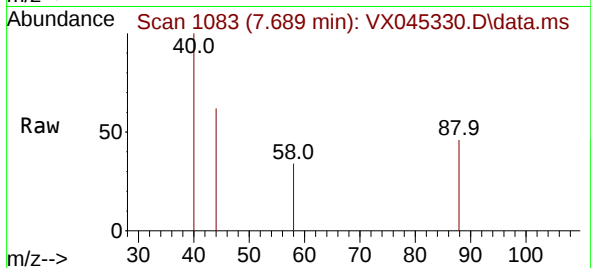
Tgt Ion: 88 Resp: 183

Ion Ratio Lower Upper

88 100

43 0.0 28.7 43.1#

58 47.5 55.8 83.8#



#50

Toluene-d8

Concen: 51.403 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045330.D

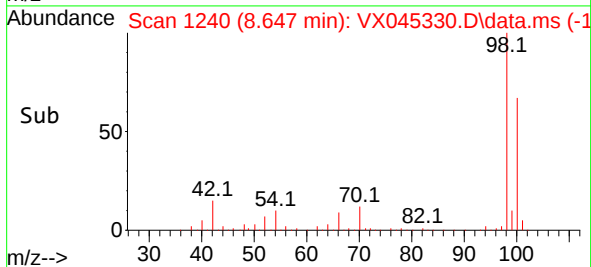
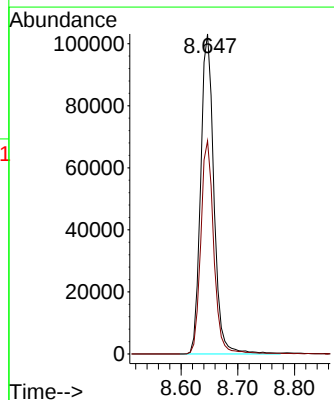
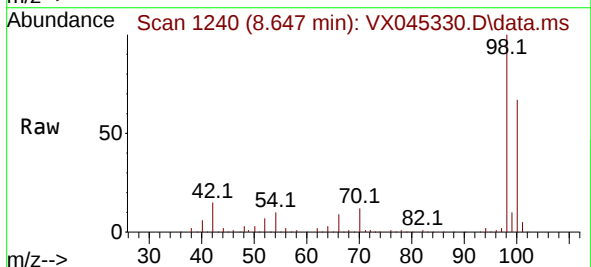
Acq: 18 Mar 2025 17:10

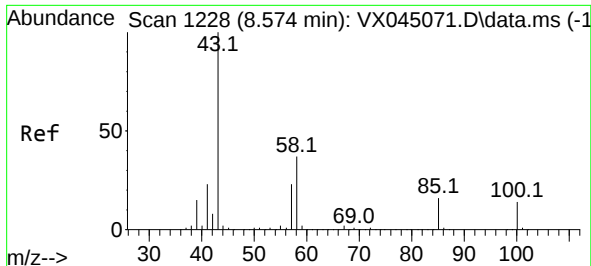
Tgt Ion: 98 Resp: 166985

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0

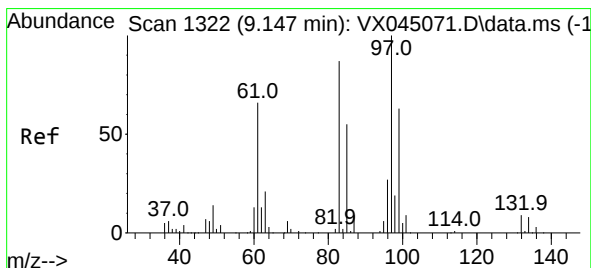
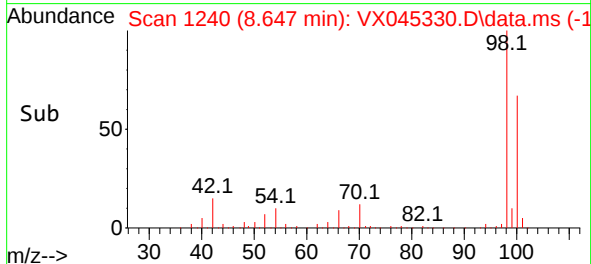
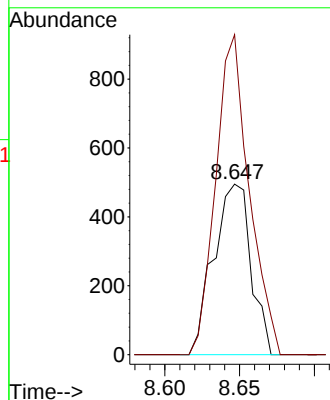
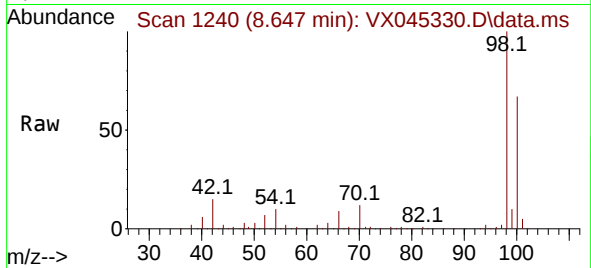




#51
4-Methyl-2-Pentanone
Concen: 0.546 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

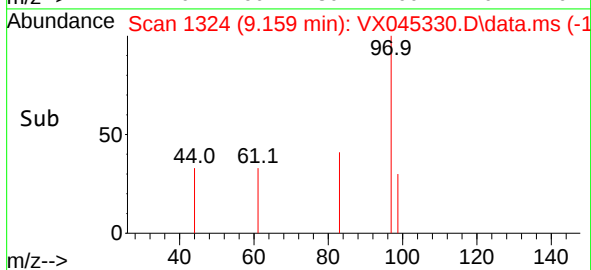
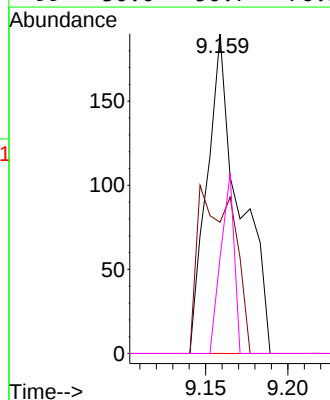
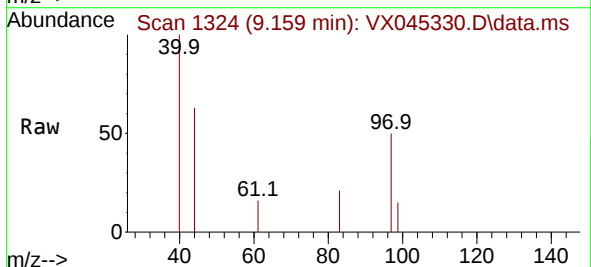
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

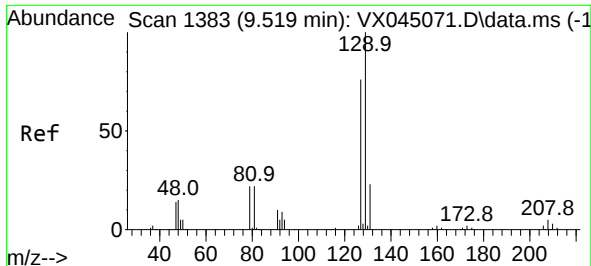
Tgt Ion: 43 Resp: 859
Ion Ratio Lower Upper
43 100
58 168.5 29.2 43.8#



#55
1,1,2-Trichloroethane
Concen: 0.278 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion: 97 Resp: 261
Ion Ratio Lower Upper
97 100
83 41.1 69.4 104.2#
85 0.0 44.1 66.1#
99 30.0 50.7 76.1#

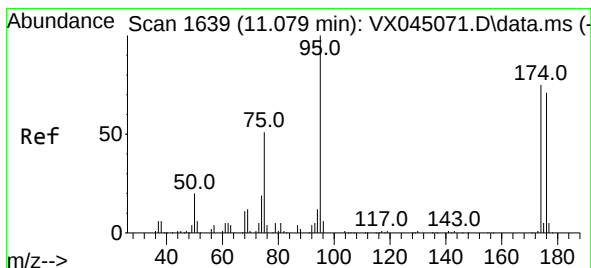
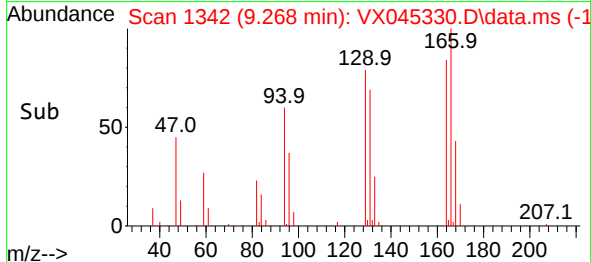
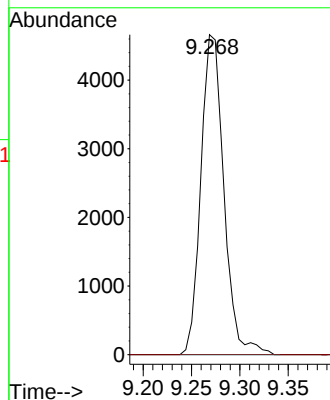
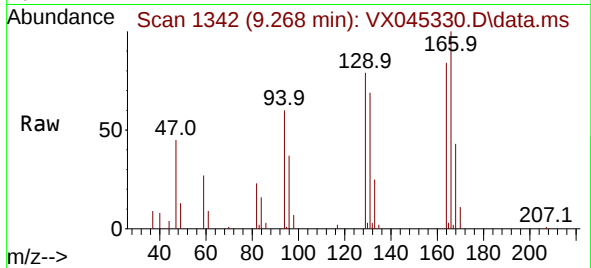




#60
Dibromochloromethane
Concen: 7.884 ug/l
RT: 9.268 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

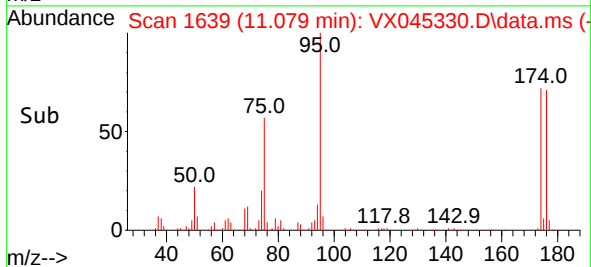
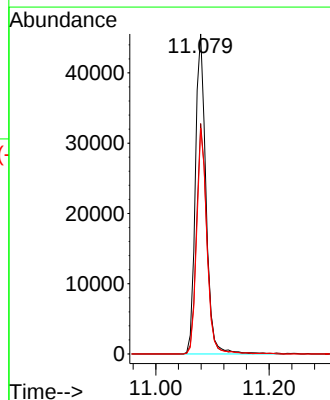
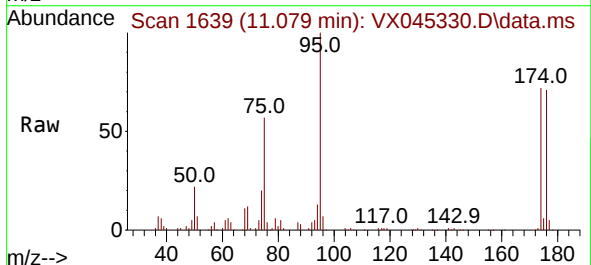
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

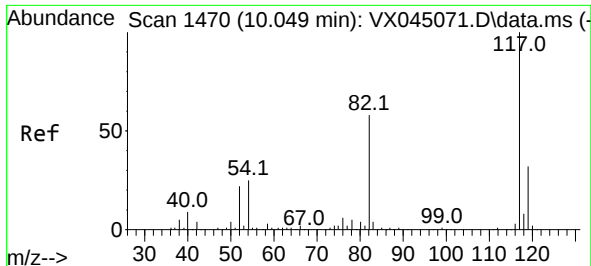
Tgt Ion:129 Resp: 7726
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 54.842 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion: 95 Resp: 59036
Ion Ratio Lower Upper
95 100
174 70.6 0.0 148.2
176 67.9 0.0 141.4

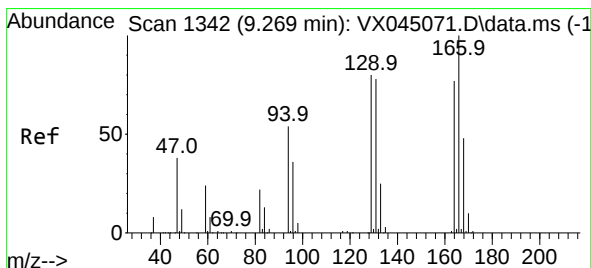
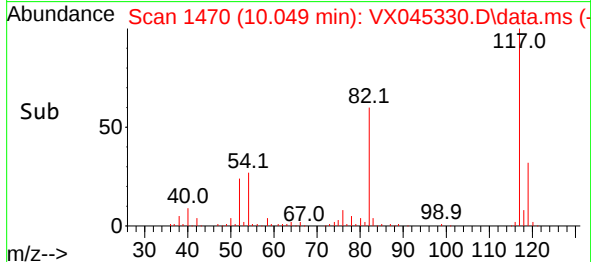
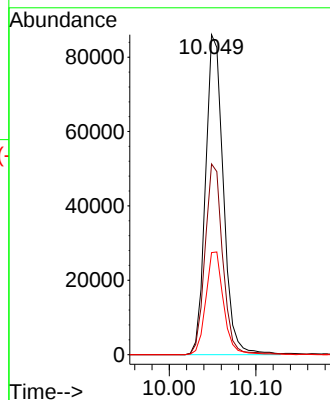
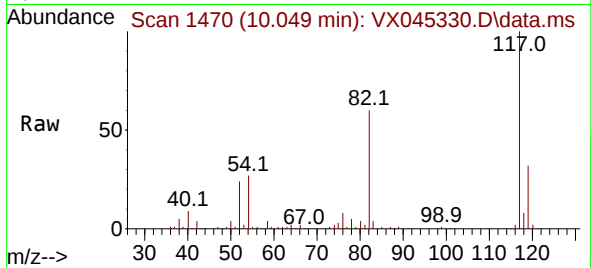




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

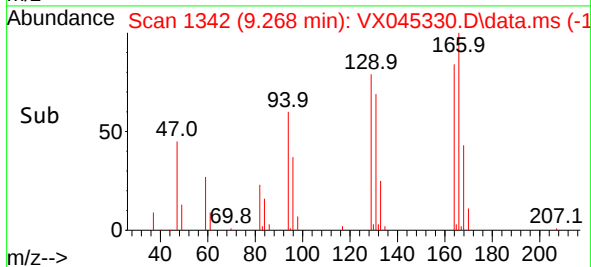
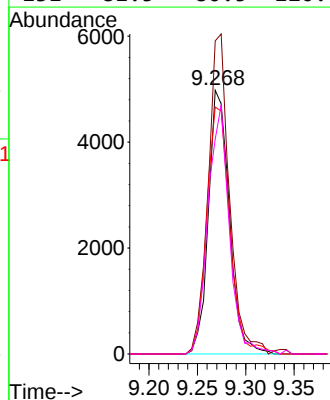
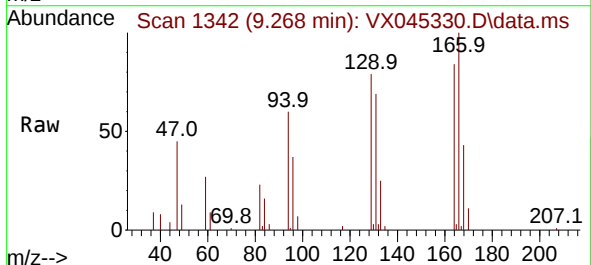
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

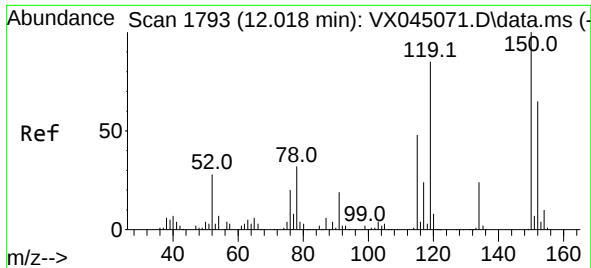
Tgt Ion:117 Resp: 123016
Ion Ratio Lower Upper
117 100
82 59.6 46.3 69.5
119 31.9 25.7 38.5



#64
Tetrachloroethene
Concen: 9.554 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion:164 Resp: 7527
Ion Ratio Lower Upper
164 100
166 118.7 103.6 155.4
129 93.6 82.7 124.1
131 81.5 80.5 120.7

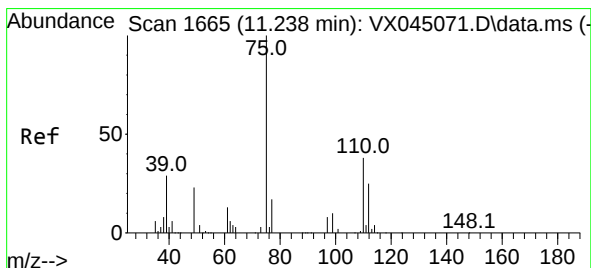
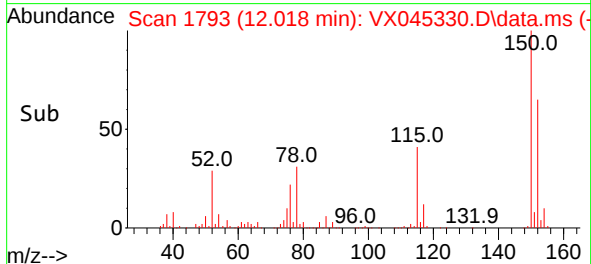
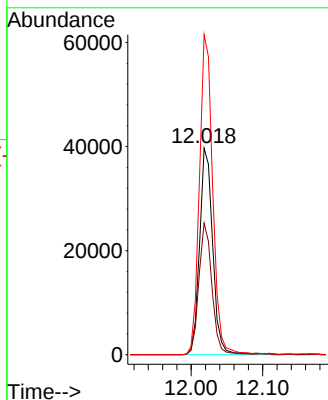
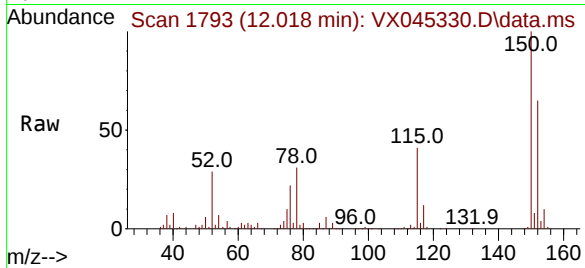




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

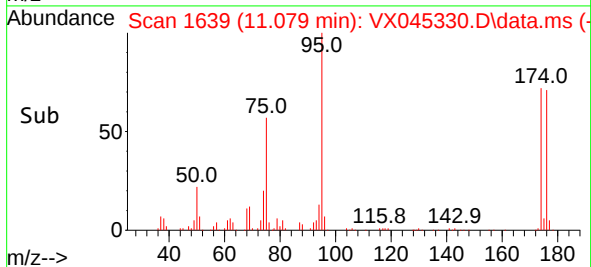
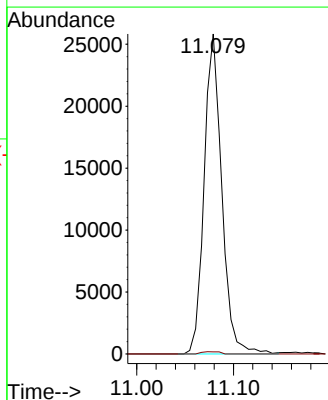
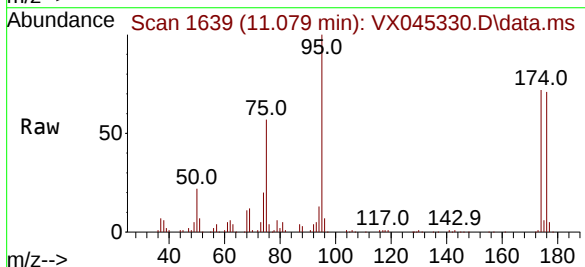
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312

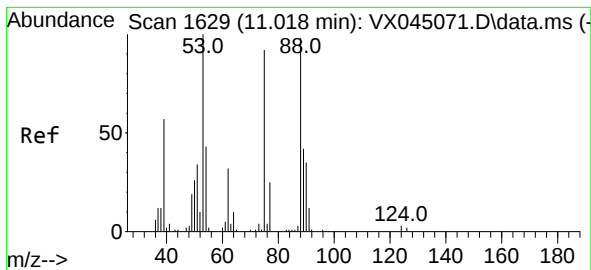
Tgt Ion:152 Resp: 50819
Ion Ratio Lower Upper
152 100
115 63.1 44.2 132.6
150 157.0 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 27.752 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045330.D
Acq: 18 Mar 2025 17:10

Tgt Ion: 75 Resp: 32825
Ion Ratio Lower Upper
75 100
77 0.7 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.971 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045330.D
 Acq: 18 Mar 2025 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20250312

Tgt Ion: 75 Resp: 32825
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

