

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
 Data File : VX045353.D
 Acq On : 20 Mar 2025 12:07
 Operator : JC/MD
 Sample : Q1559-22DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20250312DL

Quant Time: Mar 21 01:45:16 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)

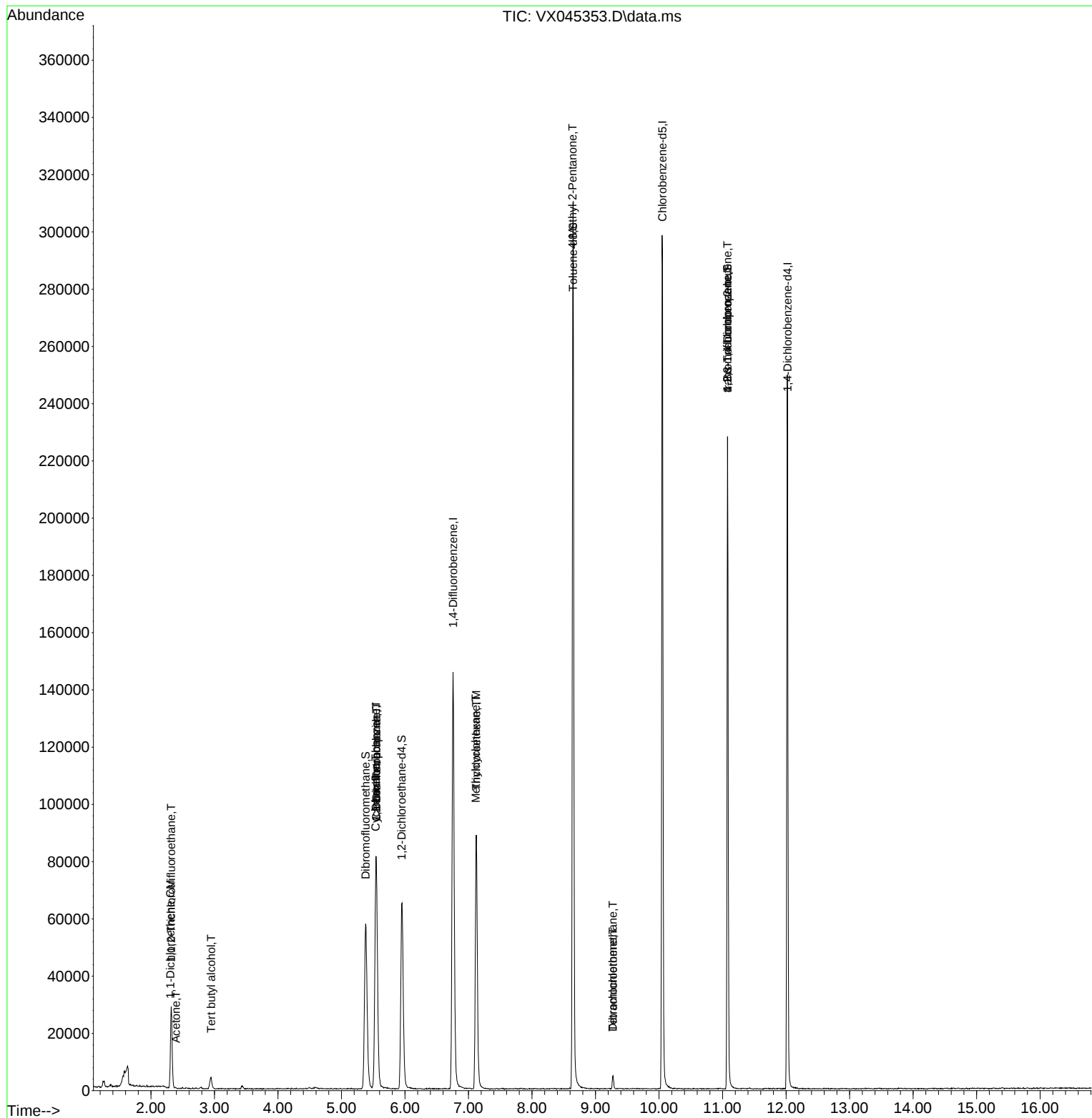
Internal Standards						
1) Pentafluorobenzene	5.544	168	72808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141715	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63476	54.810	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.620%	
35) Dibromofluoromethane	5.379	113	49703	52.451	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.900%	
50) Toluene-d8	8.647	98	177305	51.611	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.220%	
62) 4-Bromofluorobenzene	11.079	95	58857	51.702	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.400%	
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	10962	12.954	ug/l	99
11) Tert butyl alcohol	2.946	59	2519	11.483	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	232	0.259	ug/l #	62
16) Acetone	2.392	43	343	0.638	ug/l #	44
31) Cyclohexane	5.537	56	2176	1.381	ug/l #	60
36) 1,1-Dichloropropene	5.550	75	6944	5.343	ug/l #	52
38) Carbon Tetrachloride	5.550	117	8272	6.270	ug/l #	17
39) Methylcyclohexane	7.116	83	423	0.272	ug/l #	3
44) Trichloroethene	7.123	130	33503	34.769	ug/l	98
51) 4-Methyl-2-Pentanone	8.641	43	961	0.578	ug/l #	1
60) Dibromochloromethane	9.275	129	844	0.814	ug/l #	11
64) Tetrachloroethene	9.275	164	765	0.935	ug/l #	84
76) 1,2,3-Trichloropropane	11.079	75	33479	29.588	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33479	101.254	ug/l #	6

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

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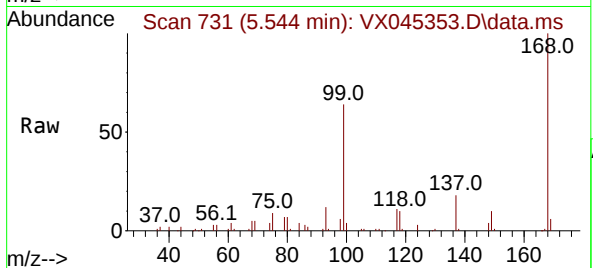
Quant Time: Mar 21 01:45:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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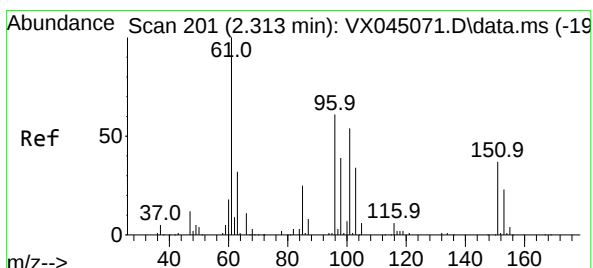
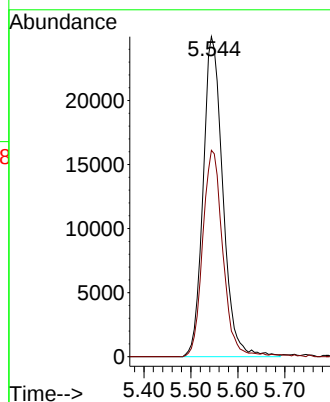
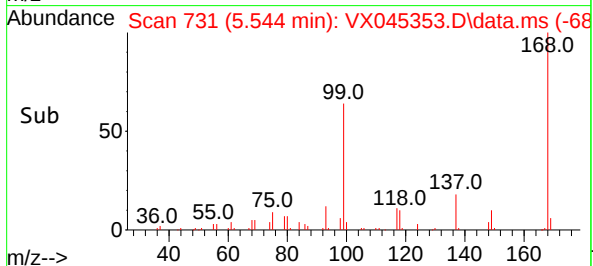


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

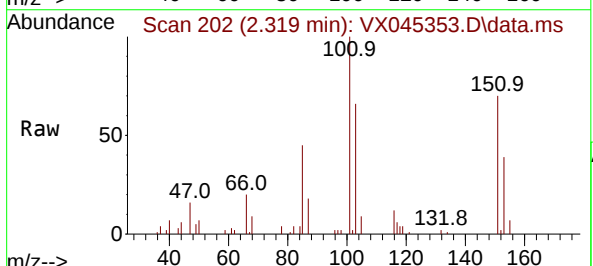
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL



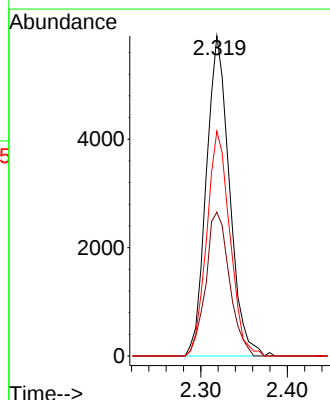
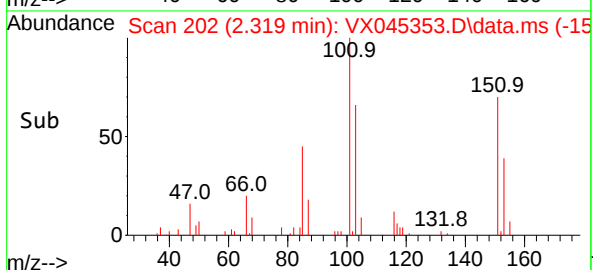
Tgt Ion:168 Resp: 72808
Ion Ratio Lower Upper
168 100
99 64.5 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.954 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07



Tgt Ion:101 Resp: 10962
Ion Ratio Lower Upper
101 100
85 46.0 36.2 54.4
151 70.3 56.4 84.6





#11

Tert butyl alcohol

Concen: 11.483 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.037 min

Lab File: VX045353.D

Acq: 20 Mar 2025 12:07

Instrument :

MSVOA_X

ClientSampleId :

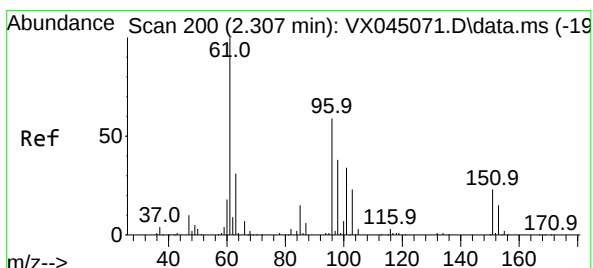
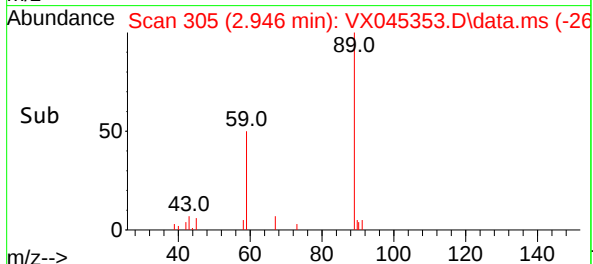
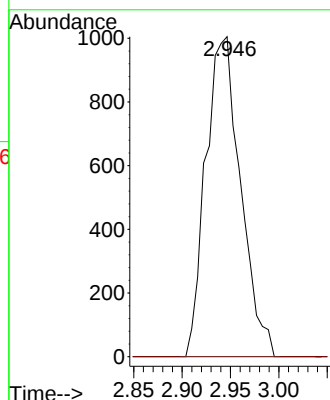
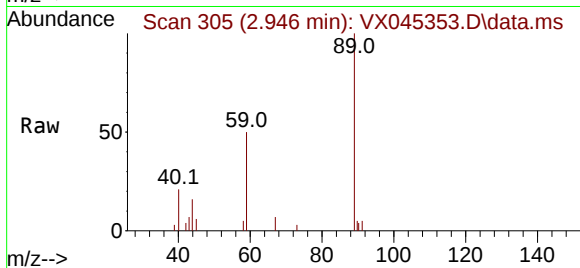
RE120D2-20250312DL

Tgt Ion: 59 Resp: 2519

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 0.259 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045353.D

Acq: 20 Mar 2025 12:07

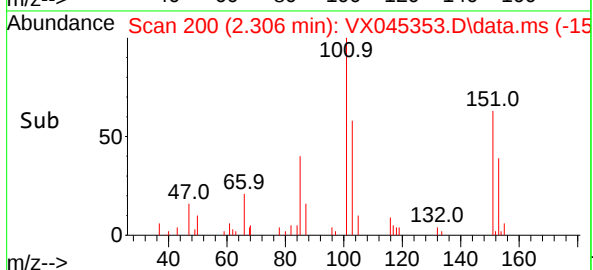
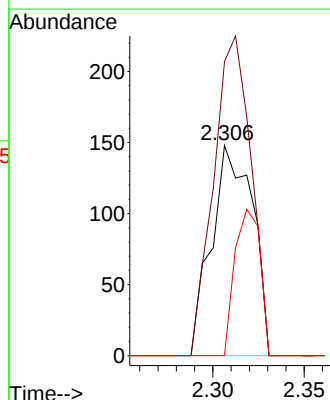
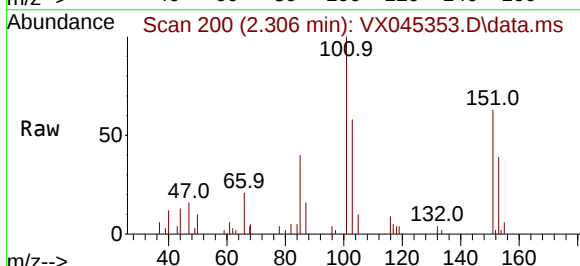
Tgt Ion: 96 Resp: 232

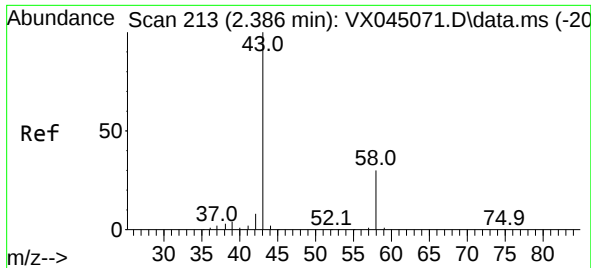
Ion Ratio Lower Upper

96 100

61 139.9 134.6 202.0

98 0.0 51.0 76.6#





#16

Acetone

Concen: 0.638 ug/l

RT: 2.392 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX045353.D

Acq: 20 Mar 2025 12:07

Instrument :

MSVOA_X

ClientSampleId :

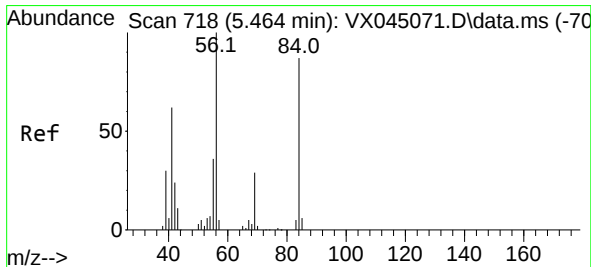
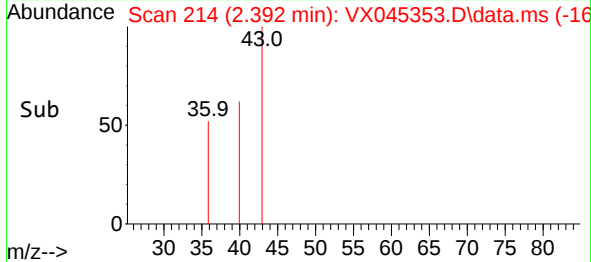
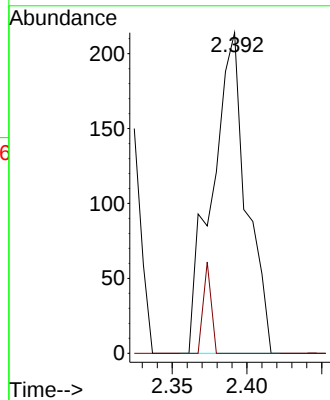
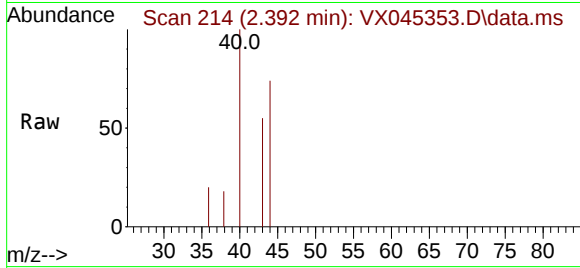
RE120D2-20250312DL

Tgt Ion: 43 Resp: 343

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.4#



#31

Cyclohexane

Concen: 1.381 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045353.D

Acq: 20 Mar 2025 12:07

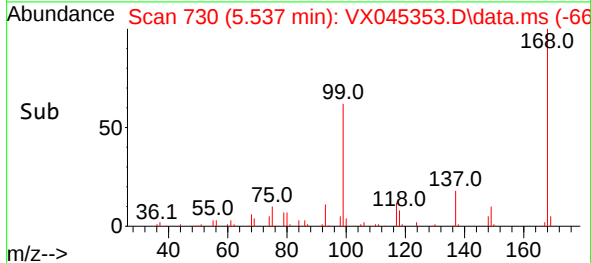
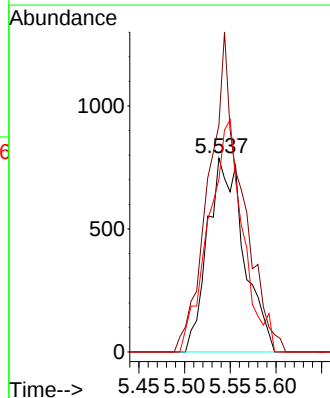
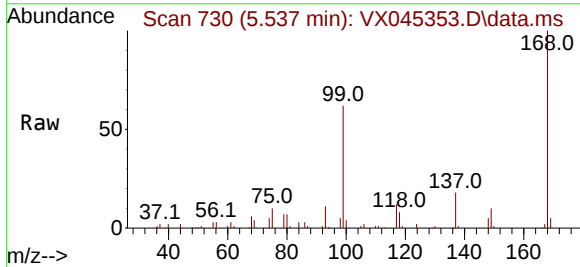
Tgt Ion: 56 Resp: 2176

Ion Ratio Lower Upper

56 100

69 110.2 23.4 35.2#

84 89.1 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 54.810 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045353.D

Acq: 20 Mar 2025 12:07

Instrument :

MSVOA_X

ClientSampleId :

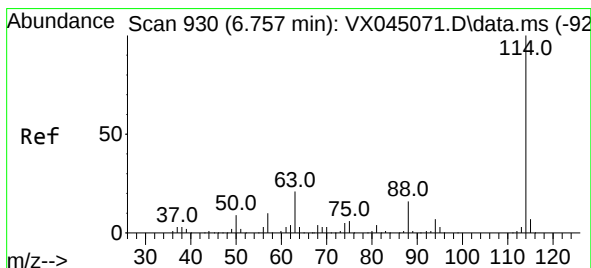
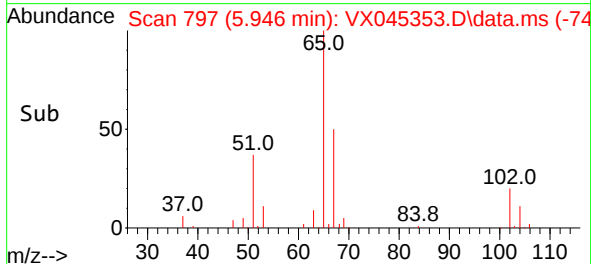
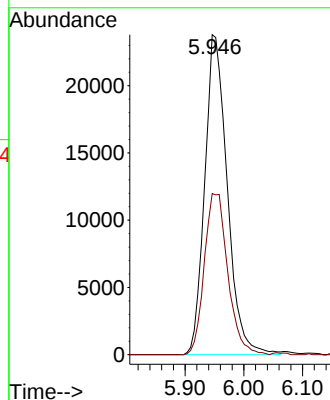
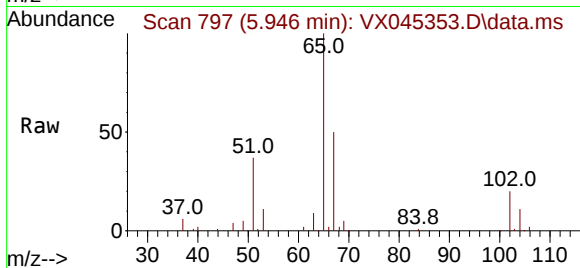
RE120D2-20250312DL

Tgt Ion: 65 Resp: 63476

Ion Ratio Lower Upper

65 100

67 52.4 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: VX045353.D

Acq: 20 Mar 2025 12:07

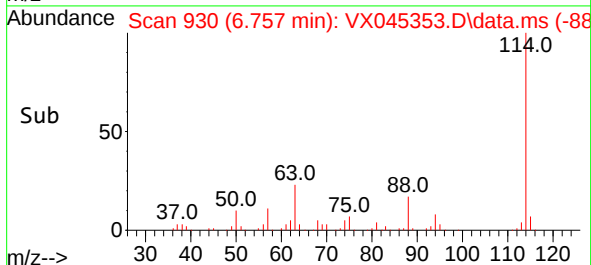
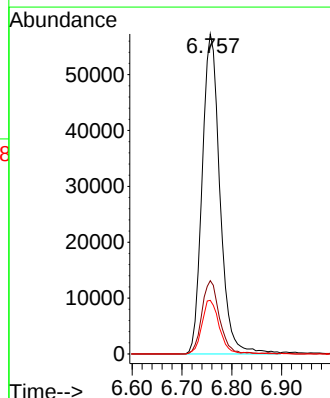
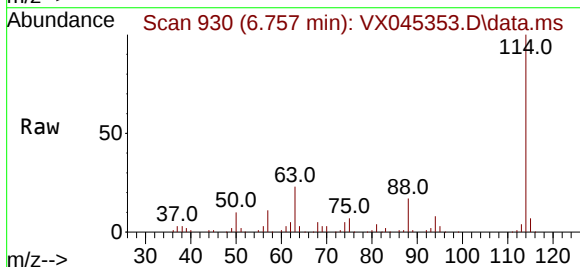
Tgt Ion: 114 Resp: 141715

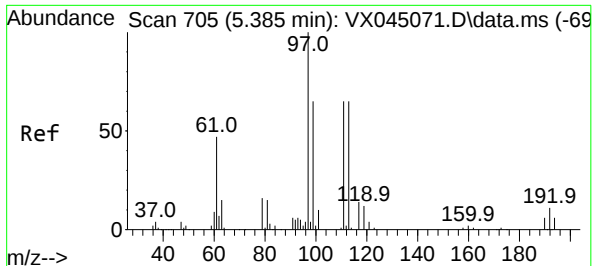
Ion Ratio Lower Upper

114 100

63 22.9 0.0 41.8

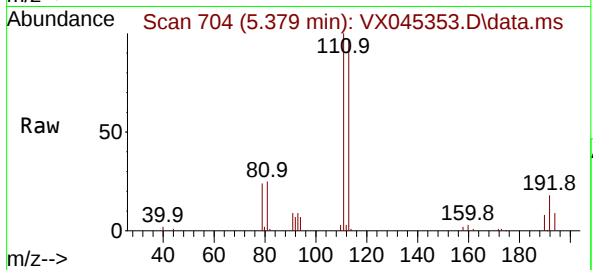
88 16.7 0.0 32.8





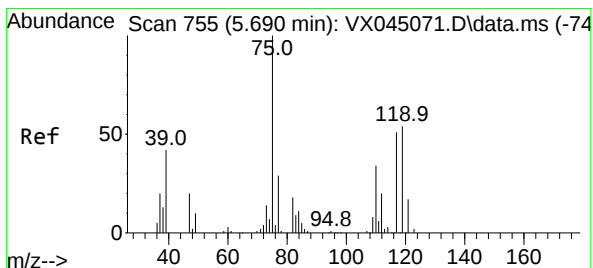
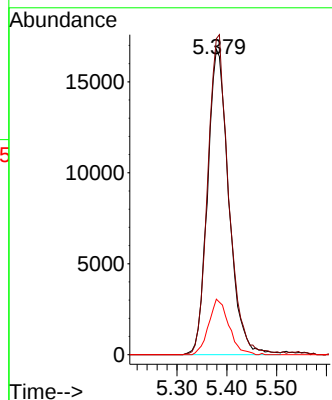
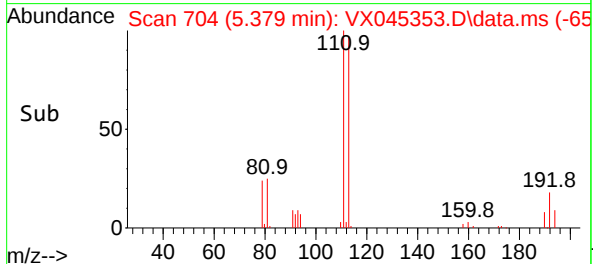
#35
 Dibromofluoromethane
 Concen: 52.451 ug/l
 RT: 5.379 min Scan# 705
 Delta R.T. -0.006 min
 Lab File: VX045353.D
 Acq: 20 Mar 2025 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20250312DL

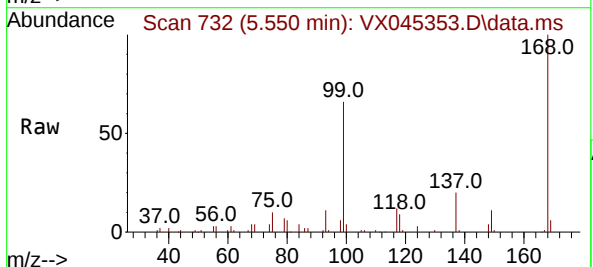


Tgt Ion:113 Resp: 49703

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	17.2	14.3	21.5

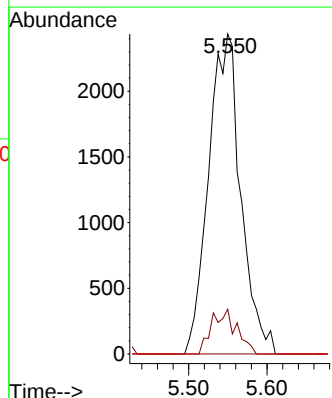
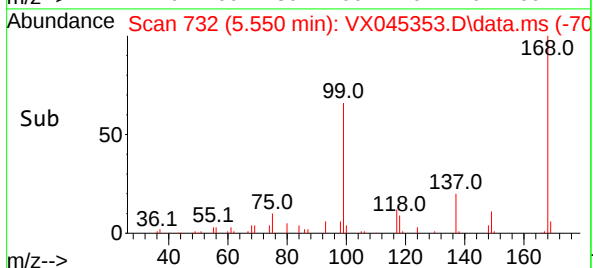


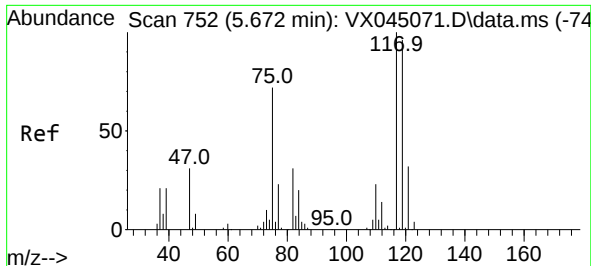
#36
 1,1-Dichloropropene
 Concen: 5.343 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.140 min
 Lab File: VX045353.D
 Acq: 20 Mar 2025 12:07



Tgt Ion: 75 Resp: 6944

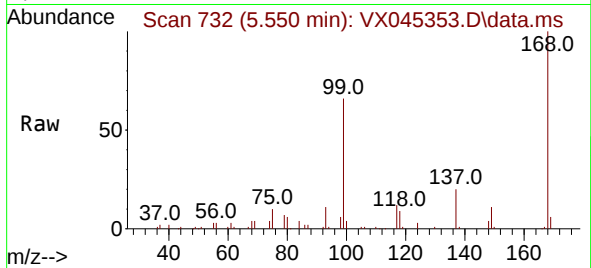
Ion	Ratio	Lower	Upper
75	100		
110	10.8	16.9	50.6#
77	0.0	24.5	36.7#



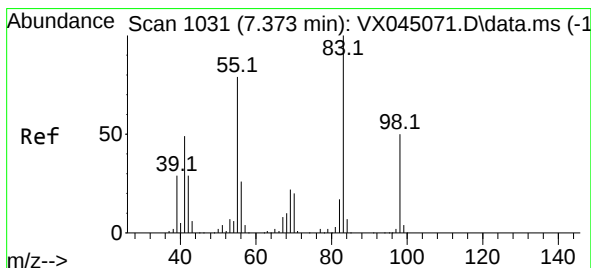
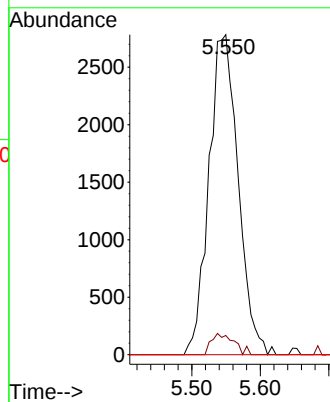
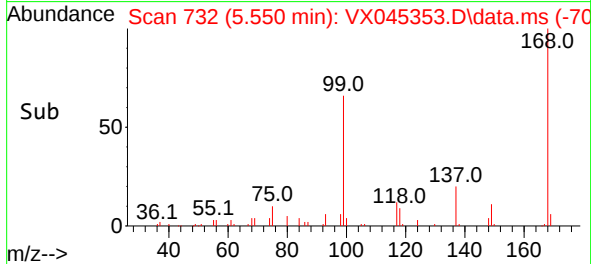


#38
Carbon Tetrachloride
Concen: 6.270 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Instrument :
MSVOA_X
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RE120D2-20250312DL

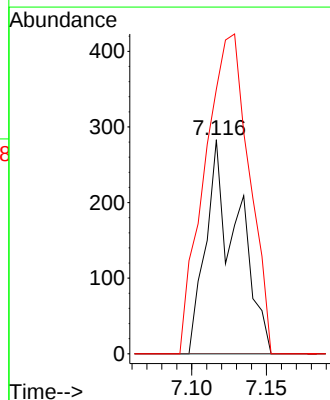
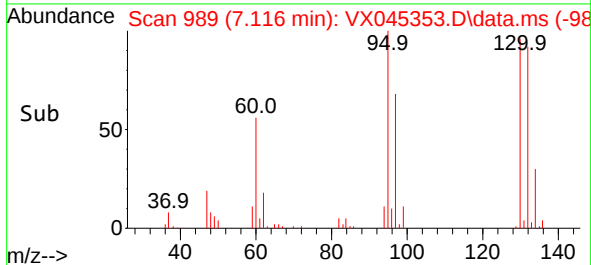
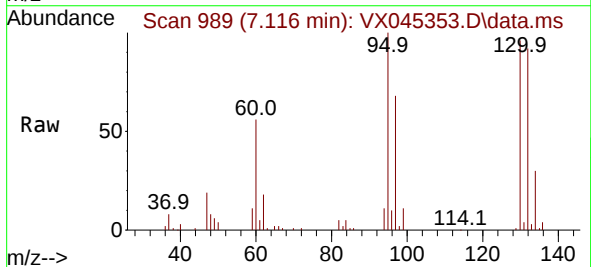


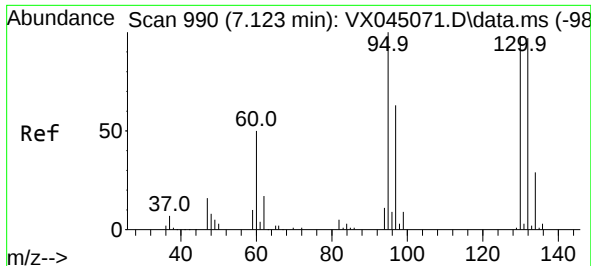
Tgt Ion:117 Resp: 8272
Ion Ratio Lower Upper
117 100
119 6.0 76.7 115.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 0.272 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Tgt Ion: 83 Resp: 423
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 123.7 39.7 59.5#

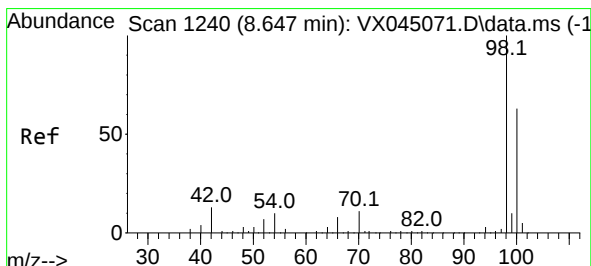
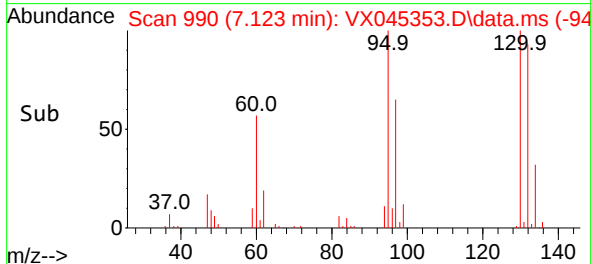
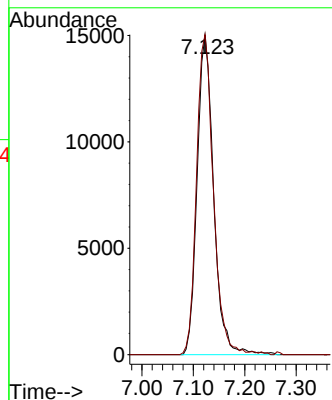
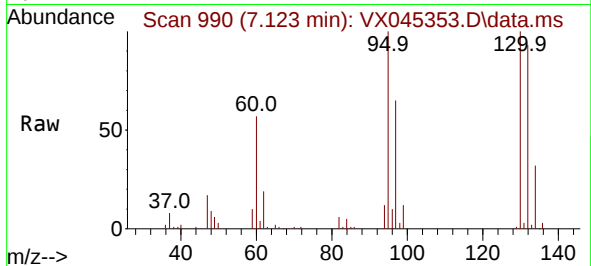




#44
Trichloroethene
Concen: 34.769 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

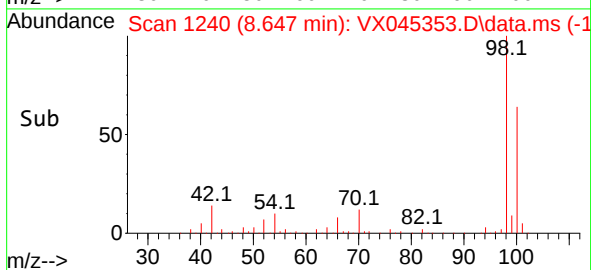
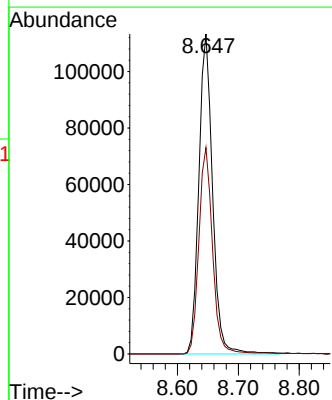
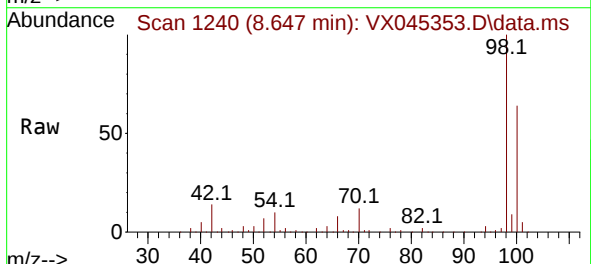
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL

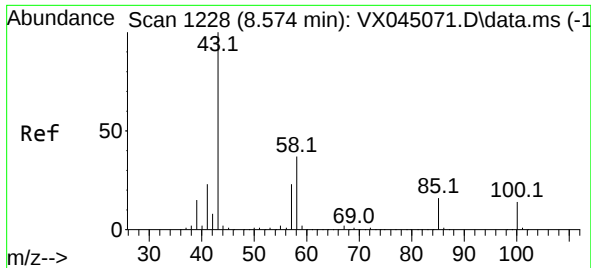
Tgt Ion:130 Resp: 33503
Ion Ratio Lower Upper
130 100
95 100.2 0.0 205.0



#50
Toluene-d8
Concen: 51.611 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Tgt Ion: 98 Resp: 177305
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

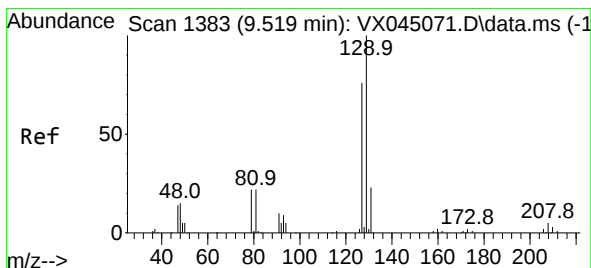
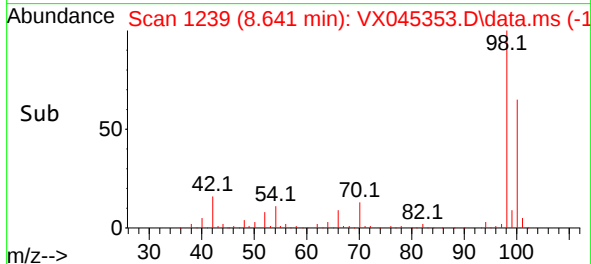
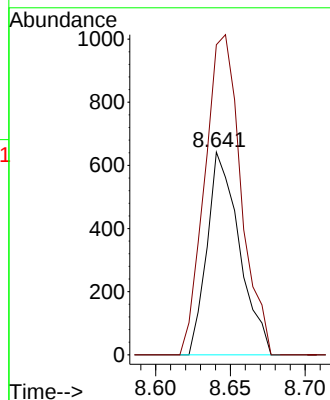
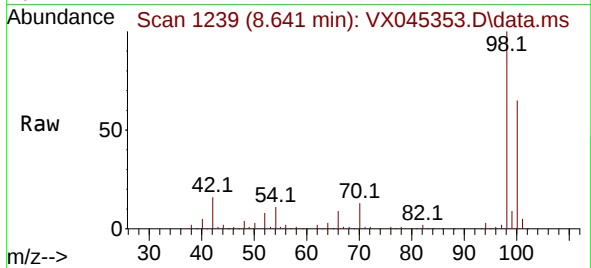




#51
4-Methyl-2-Pentanone
Concen: 0.578 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

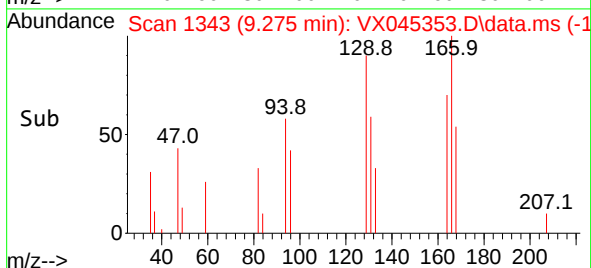
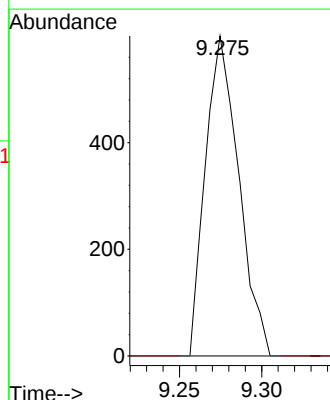
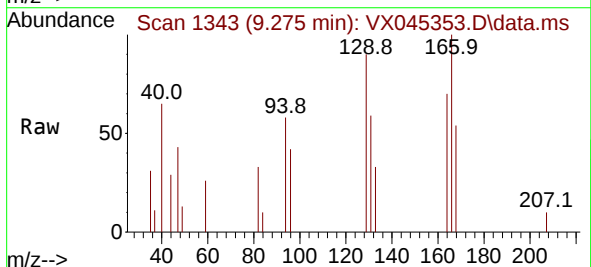
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL

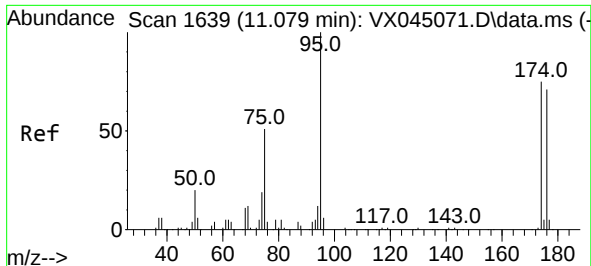
Tgt Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
58 177.7 29.2 43.8#



#60
Dibromochloromethane
Concen: 0.814 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Tgt Ion: 129 Resp: 844
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

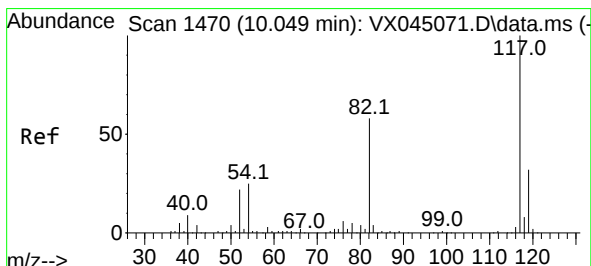
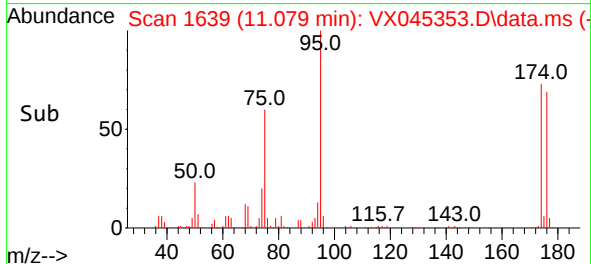
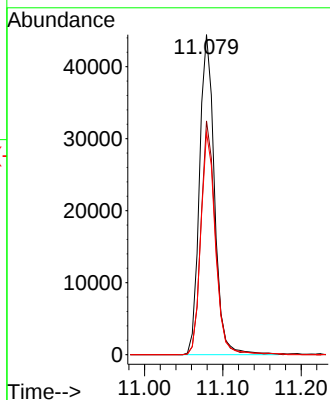
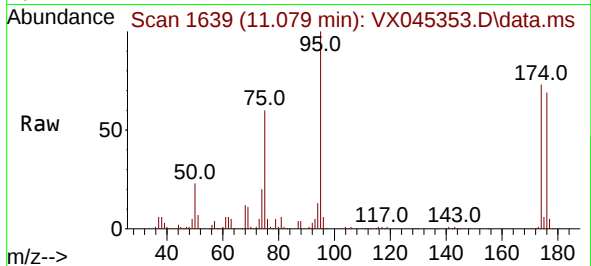




#62
4-Bromofluorobenzene
Concen: 51.702 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

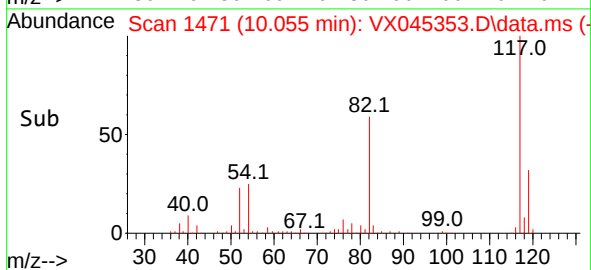
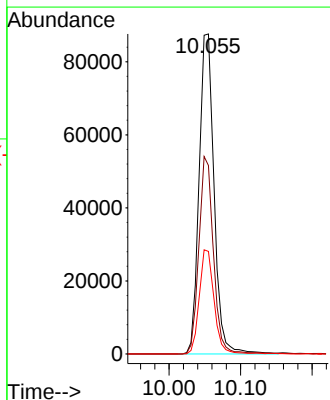
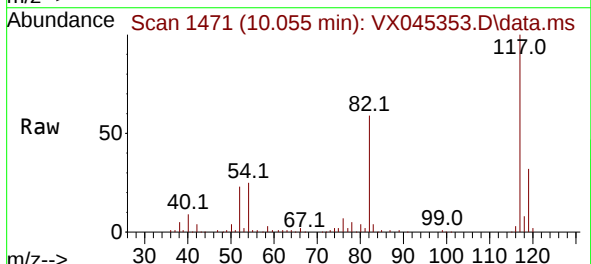
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL

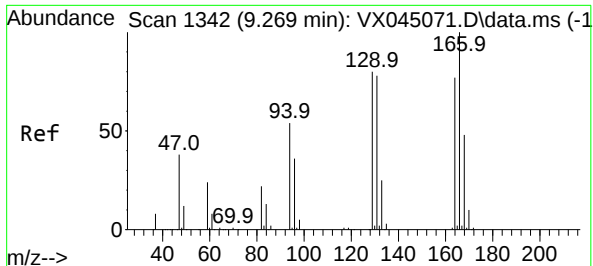
Tgt Ion: 95 Resp: 58857
Ion Ratio Lower Upper
95 100
174 70.7 0.0 148.2
176 68.2 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

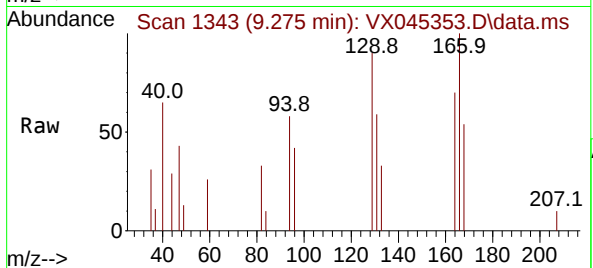
Tgt Ion: 117 Resp: 127752
Ion Ratio Lower Upper
117 100
82 58.9 46.3 69.5
119 32.1 25.7 38.5



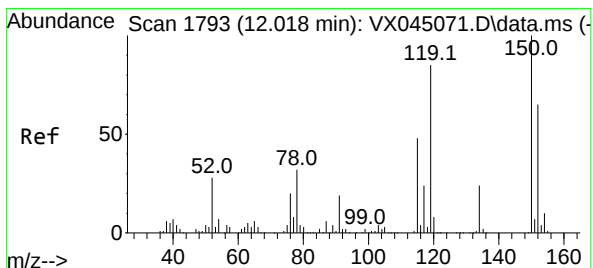
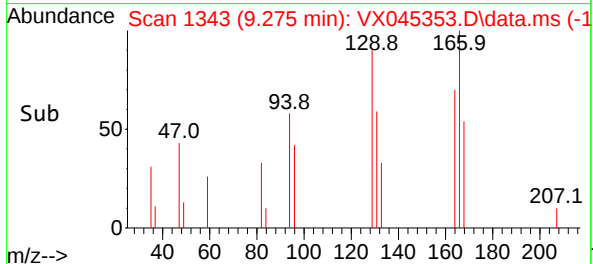
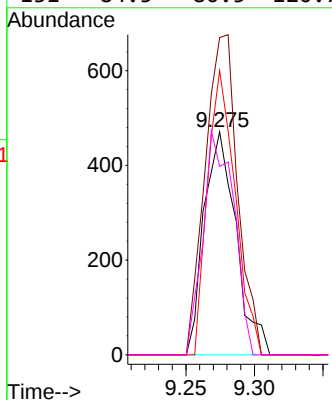


#64
Tetrachloroethene
Concen: 0.935 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL

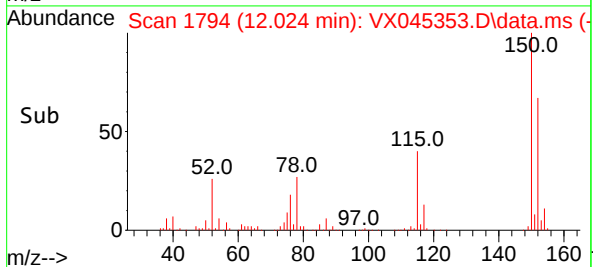
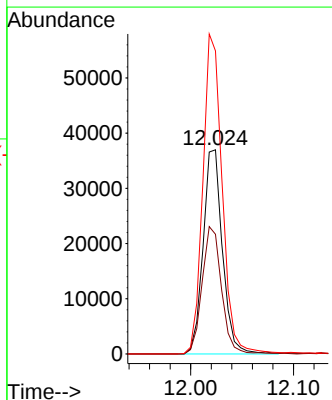
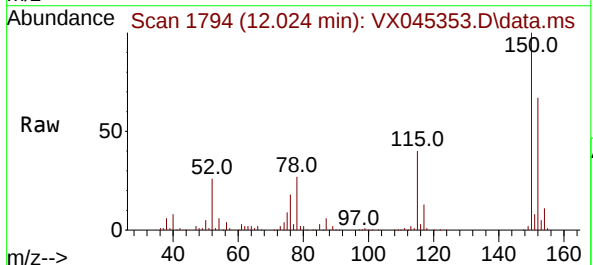


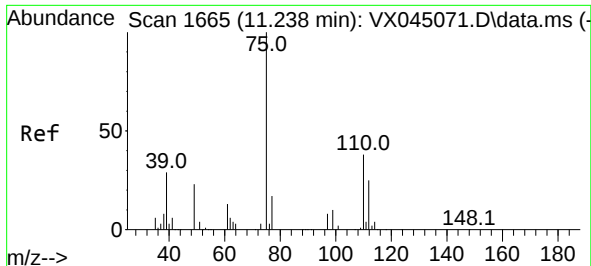
Tgt Ion:164 Resp: 765
Ion Ratio Lower Upper
164 100
166 142.3 103.6 155.4
129 127.4 82.7 124.1#
131 84.5 80.5 120.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Tgt Ion:152 Resp: 48615
Ion Ratio Lower Upper
152 100
115 62.4 44.2 132.6
150 155.9 0.0 349.0

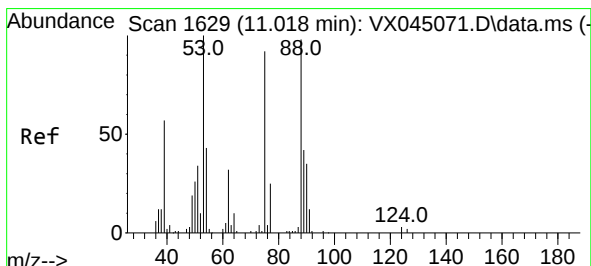
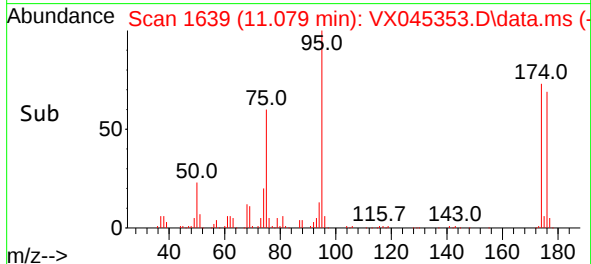
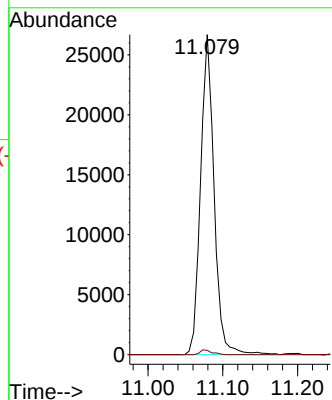
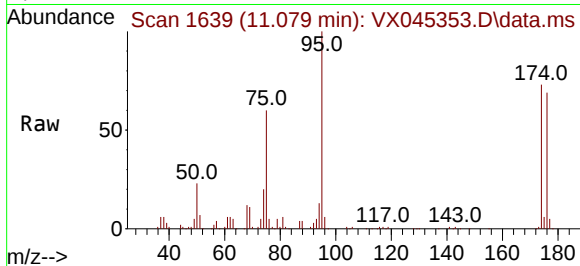




#76
1,2,3-Trichloropropane
Concen: 29.588 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20250312DL

Tgt Ion: 75 Resp: 33479
Ion Ratio Lower Upper
75 100
77 1.3 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.254 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045353.D
Acq: 20 Mar 2025 12:07

Tgt Ion: 75 Resp: 33479
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.1 36.2 54.4#

