

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045221.D
 Acq On : 11 Mar 2025 14:00
 Operator : JC/MD
 Sample : Q1531-03DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20250305DL

Quant Time: Mar 12 01:48:43 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)

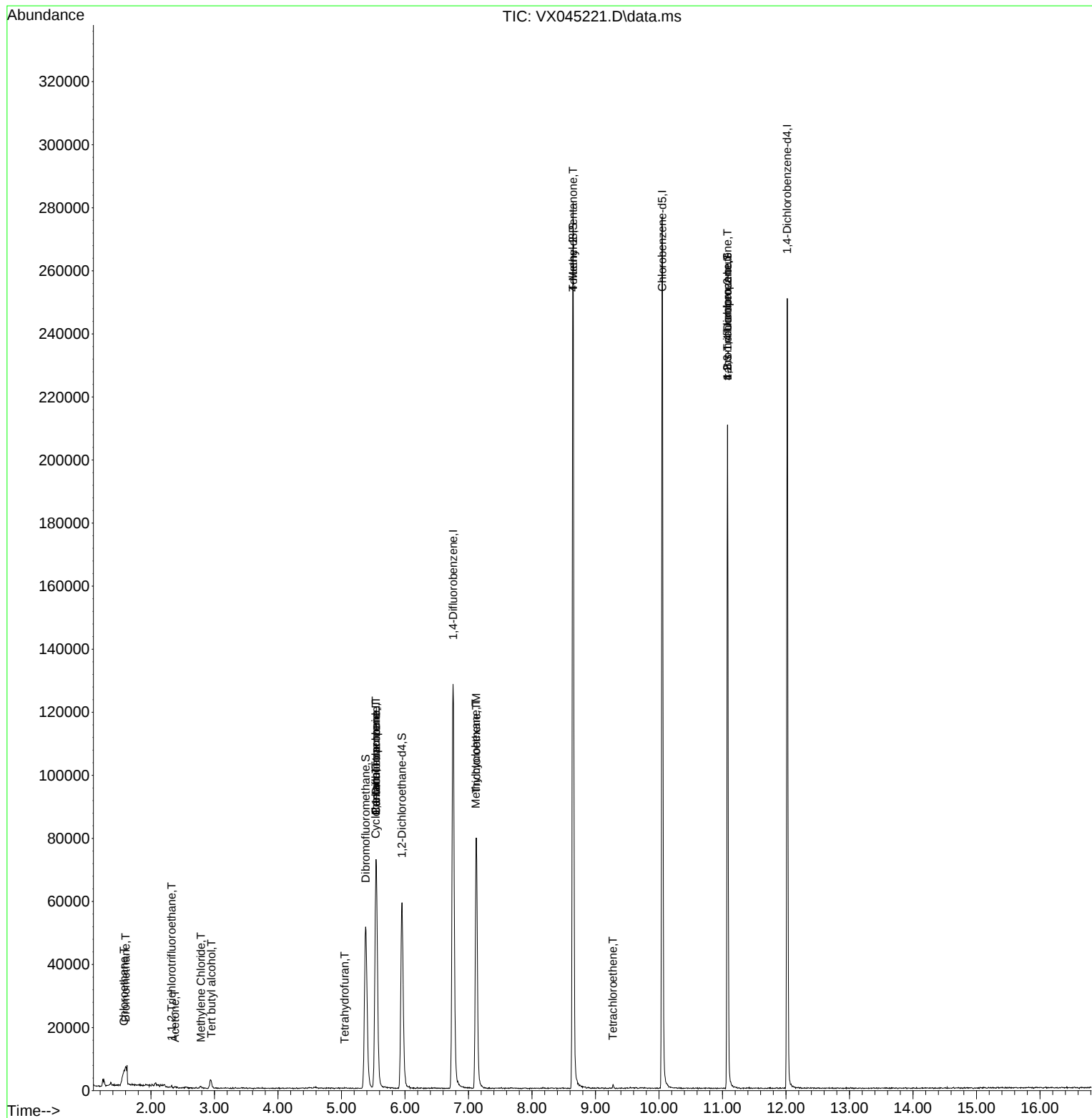
Internal Standards						
1) Pentafluorobenzene	5.544	168	66579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130870	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56138	53.009	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.020%			
35) Dibromofluoromethane	5.379	113	45637	52.151	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.300%			
50) Toluene-d8	8.647	98	163900	51.662	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.320%			
62) 4-Bromofluorobenzene	11.079	95	54682	52.015	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.020%			
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	136	0.340	ug/l #	48
6) Chloroethane	1.575	64	125	0.266	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.325	101	200	0.258	ug/l #	72
11) Tert butyl alcohol	2.953	59	1583	7.891	ug/l #	73
16) Acetone	2.380	43	381	0.775	ug/l #	76
20) Methylene Chloride	2.788	84	281	0.289	ug/l #	70
29) Tetrahydrofuran	5.050	42	144	0.290	ug/l #	34
31) Cyclohexane	5.538	56	1784	1.238	ug/l #	18
36) 1,1-Dichloropropene	5.544	75	6134	5.111	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7082	5.813	ug/l #	16
39) Methylcyclohexane	7.117	83	454	0.316	ug/l #	1
44) Trichloroethene	7.123	130	30955	34.787	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	851	0.554	ug/l #	1
64) Tetrachloroethene	9.275	164	179	0.232	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	29857	26.640	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	29857	91.168	ug/l #	6

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

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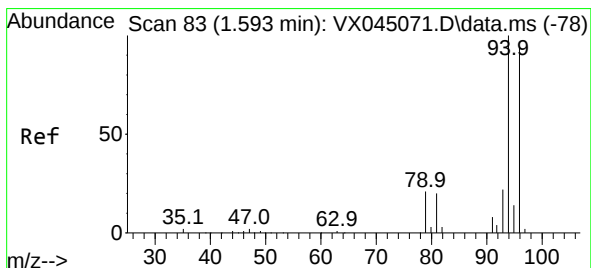
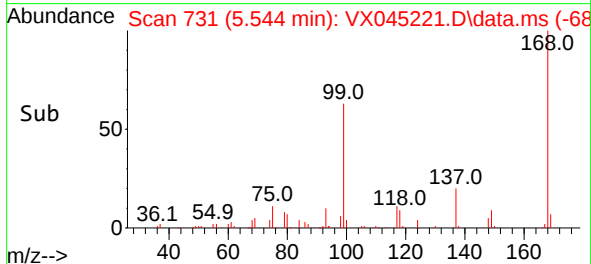
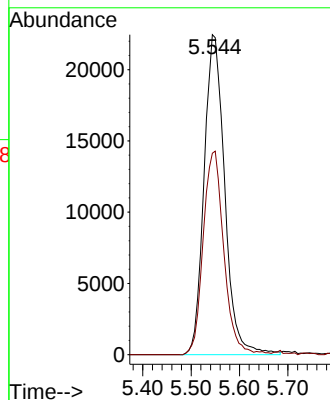
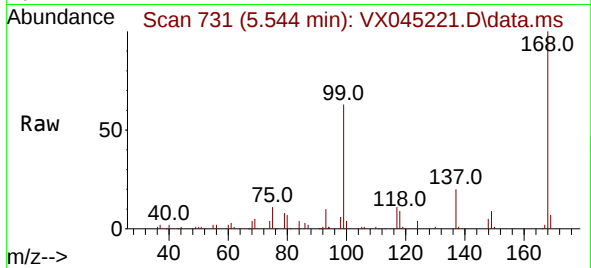




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

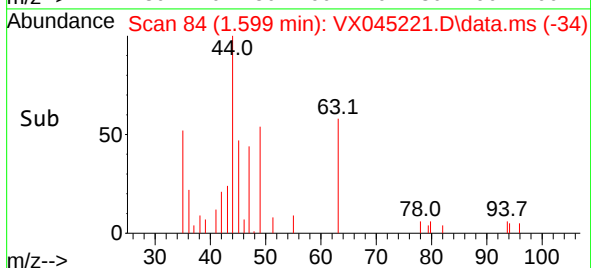
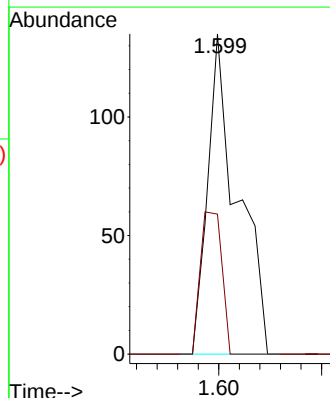
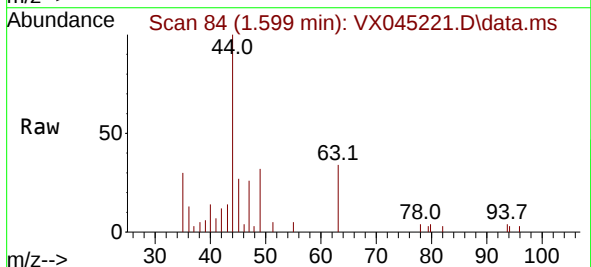
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305DL

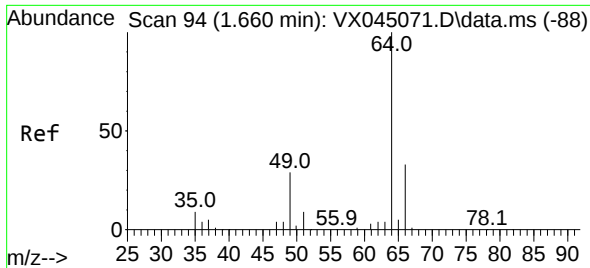
Tgt Ion:168 Resp: 66579
Ion Ratio Lower Upper
168 100
99 62.9 48.2 72.4



#5
Bromomethane
Concen: 0.340 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

Tgt Ion: 94 Resp: 136
Ion Ratio Lower Upper
94 100
96 43.7 75.0 112.4#

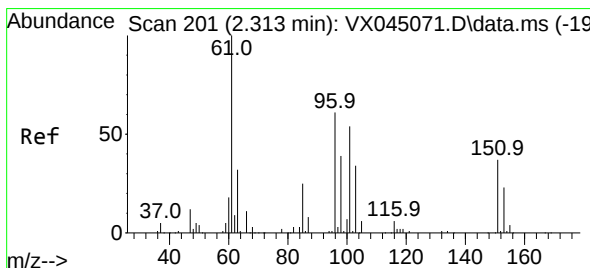
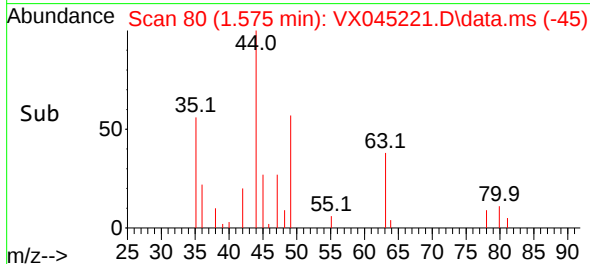
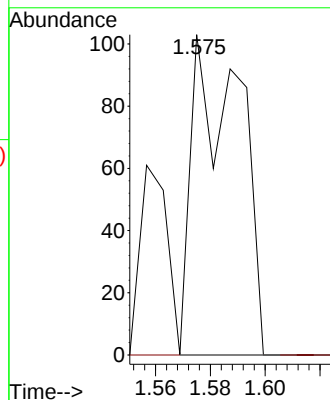
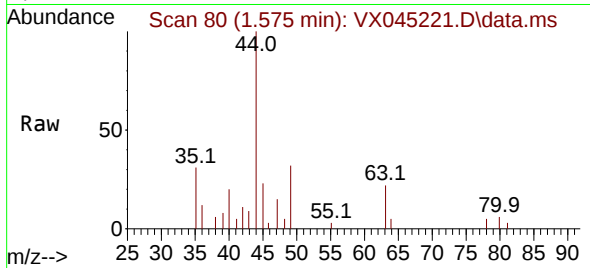




#6
Chloroethane
Concen: 0.266 ug/l
RT: 1.575 min Scan# 80
Delta R.T. -0.085 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

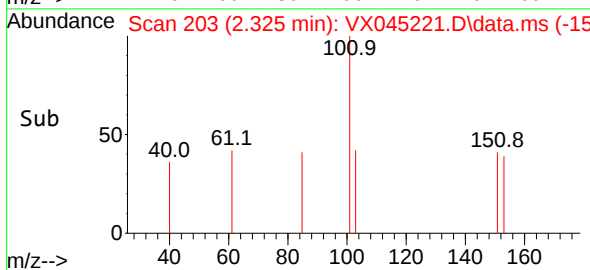
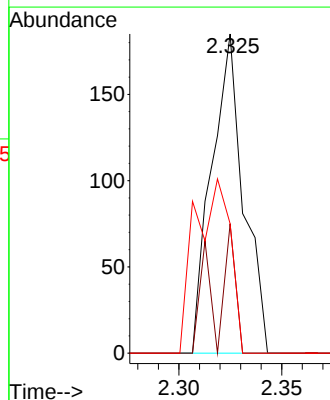
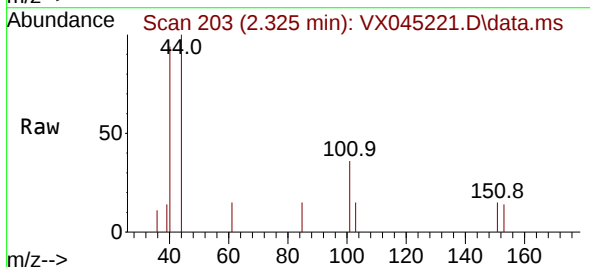
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305DL

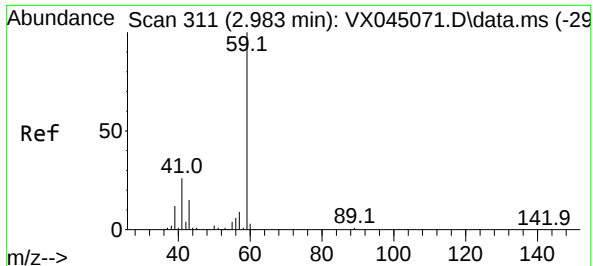
Tgt Ion: 64 Resp: 125
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.258 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

Tgt Ion: 101 Resp: 200
Ion Ratio Lower Upper
101 100
85 12.0 36.2 54.4#
151 60.0 56.4 84.6





#11

Tert butyl alcohol

Concen: 7.891 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.030 min

Lab File: VX045221.D

Acq: 11 Mar 2025 14:00

Instrument :

MSVOA_X

ClientSampleId :

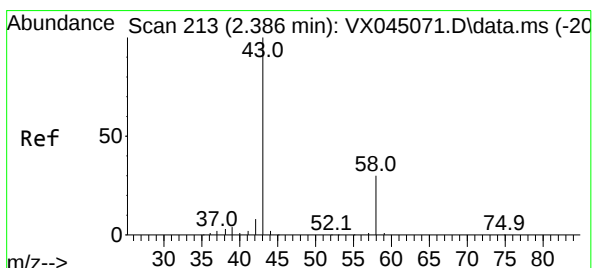
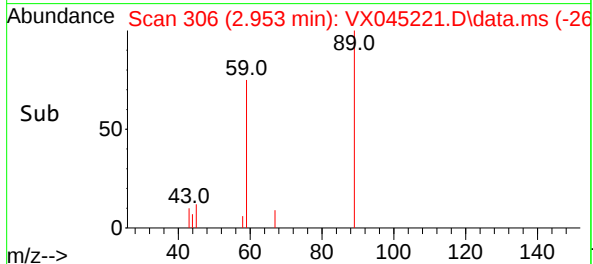
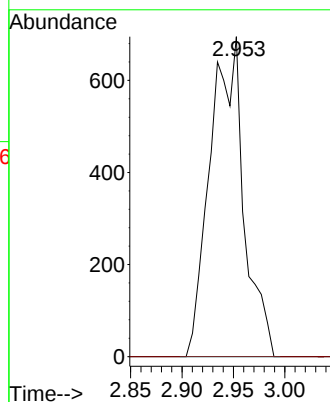
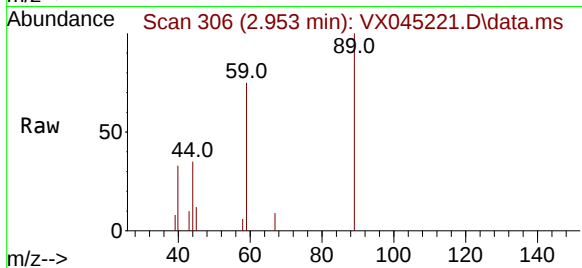
RE122D1-20250305DL

Tgt Ion: 59 Resp: 1583

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 0.775 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045221.D

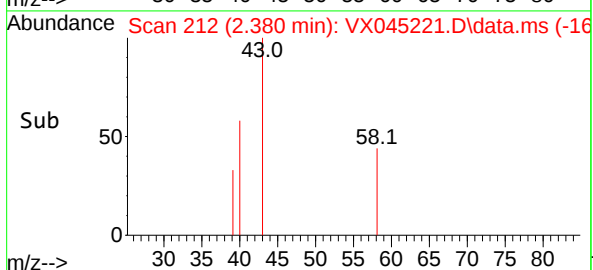
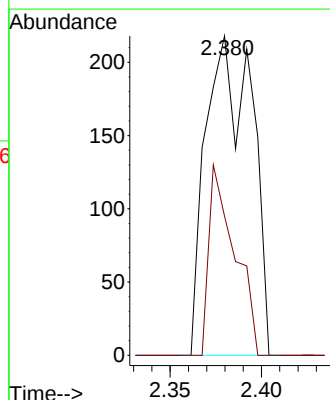
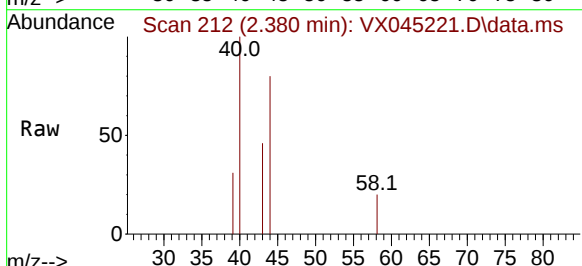
Acq: 11 Mar 2025 14:00

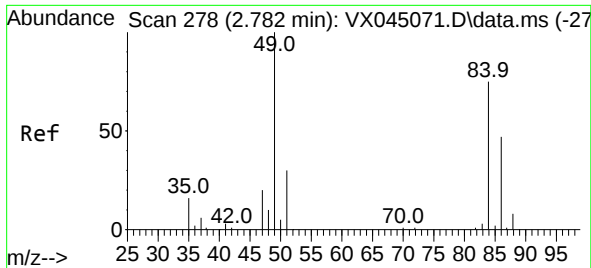
Tgt Ion: 43 Resp: 381

Ion Ratio Lower Upper

43 100

58 43.6 24.2 36.4#

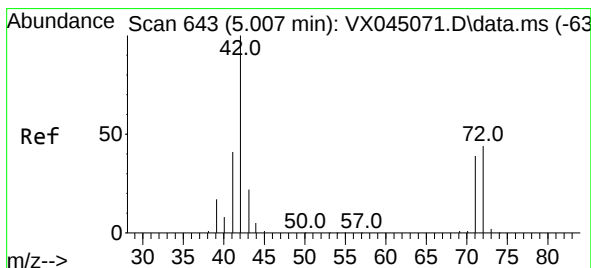
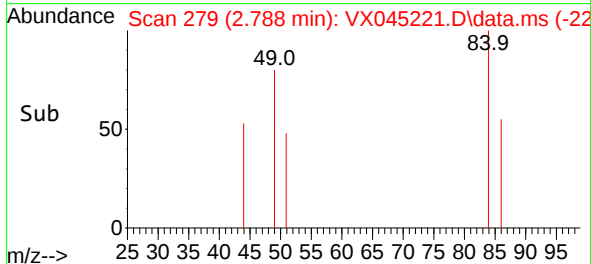
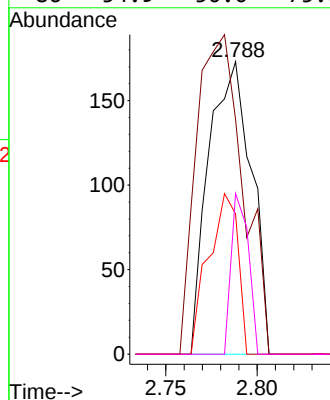
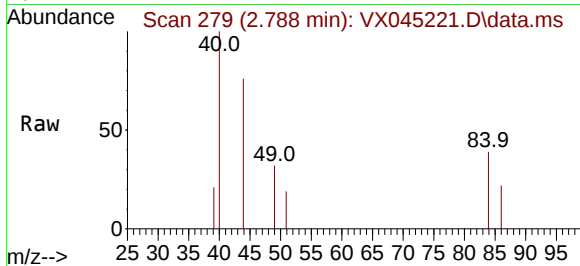




#20
Methylene Chloride
Concen: 0.289 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

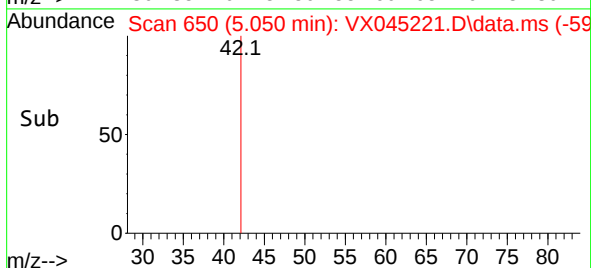
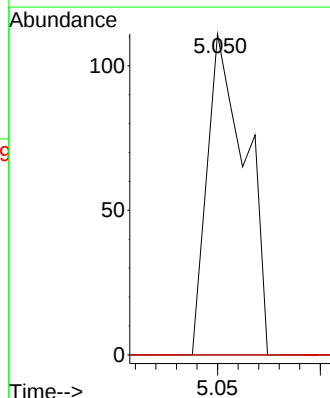
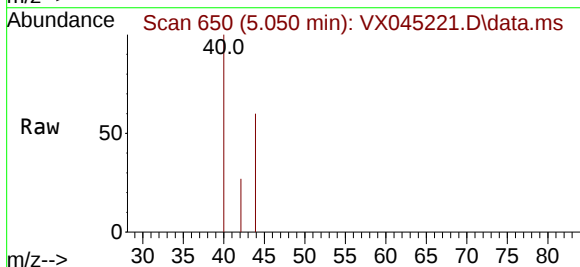
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305DL

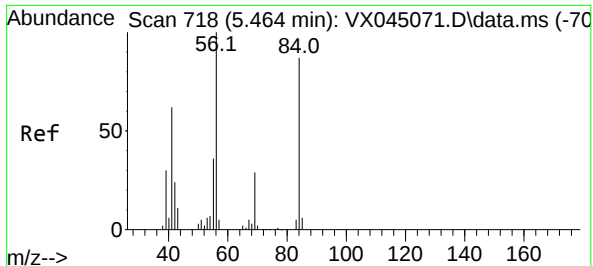
Tgt Ion:	84	Resp:	281
Ion	Ratio	Lower	Upper
84	100		
49	80.3	106.5	159.7#
51	48.0	32.1	48.1
86	54.9	50.0	75.0



#29
Tetrahydrofuran
Concen: 0.290 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.043 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

Tgt Ion:	42	Resp:	144
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#



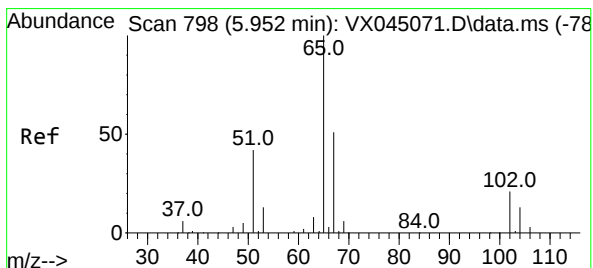
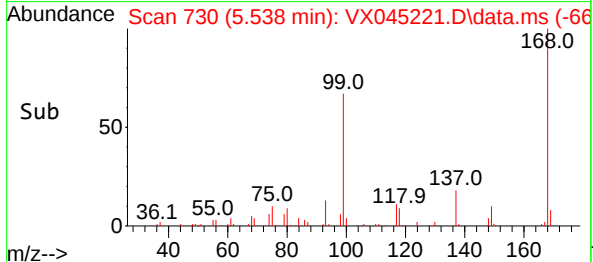
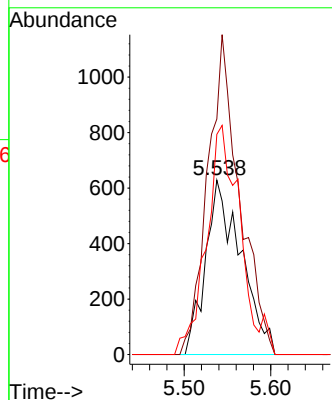
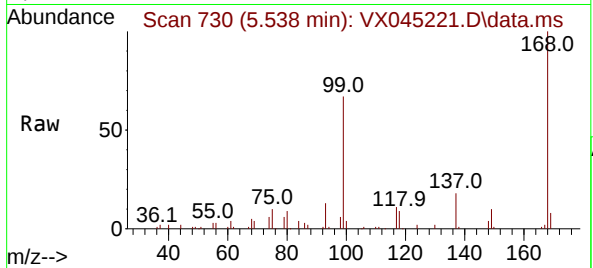


#31
Cyclohexane
Concen: 1.238 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305DL

Tgt Ion: 56 Resp: 1784

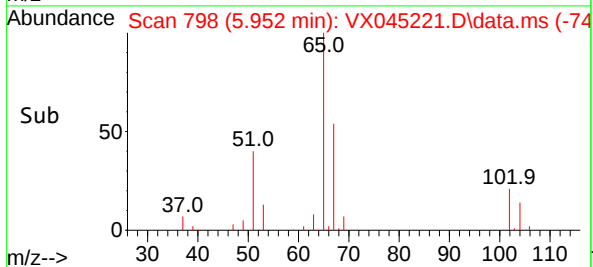
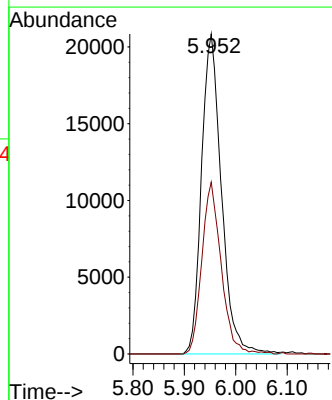
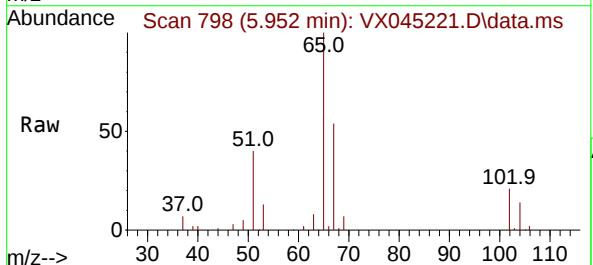
Ion	Ratio	Lower	Upper
56	100		
69	135.0	23.4	35.2#
84	126.2	69.4	104.2#

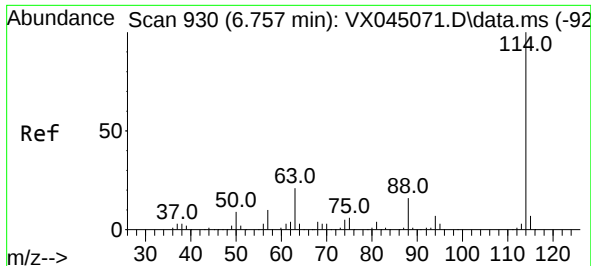


#33
1,2-Dichloroethane-d4
Concen: 53.009 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

Tgt Ion: 65 Resp: 56138

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2

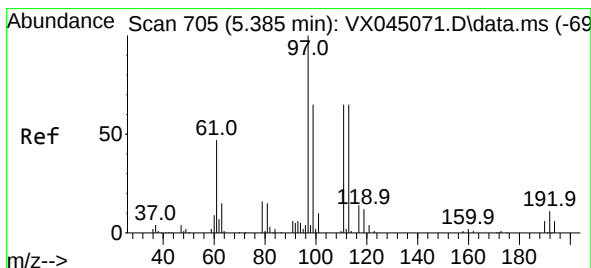
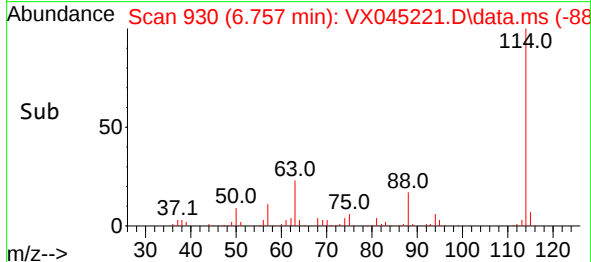
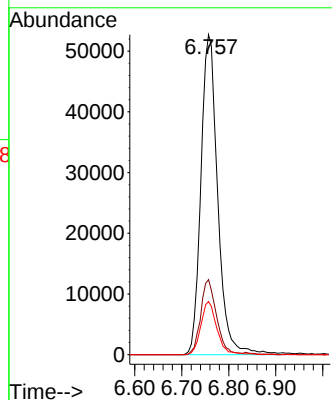
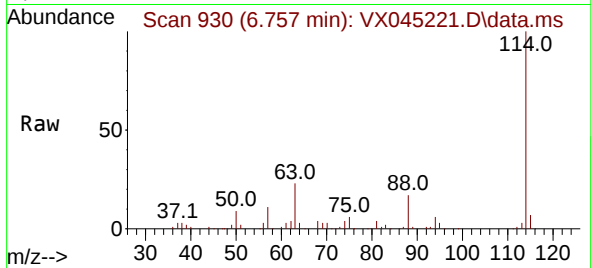




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

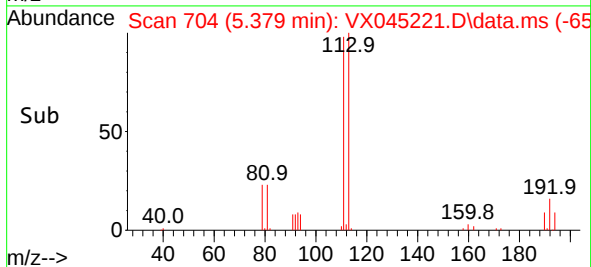
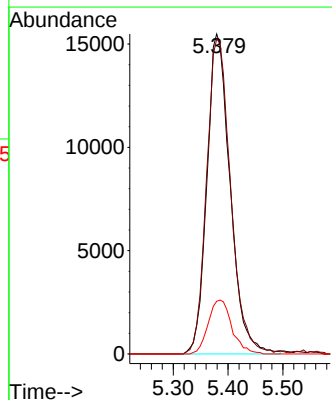
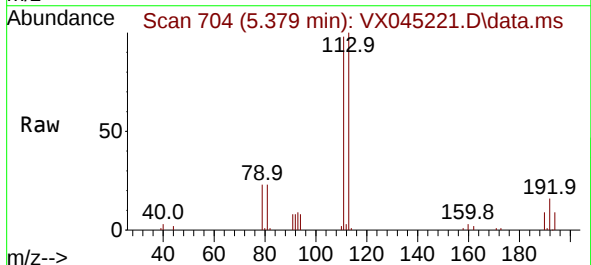
Instrument :
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RE122D1-20250305DL

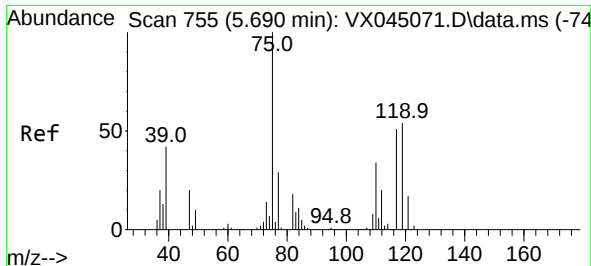
Tgt Ion:114 Resp: 130870
Ion Ratio Lower Upper
114 100
63 23.4 0.0 41.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.151 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

Tgt Ion:113 Resp: 45637
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.6
192 17.1 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.111 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045221.D

Acq: 11 Mar 2025 14:00

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20250305DL

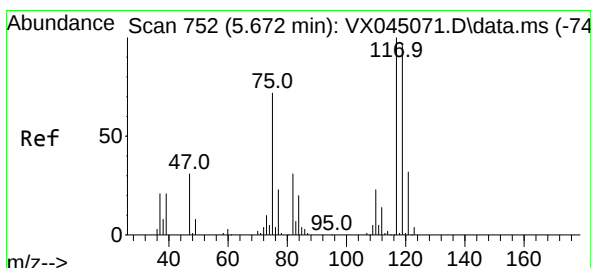
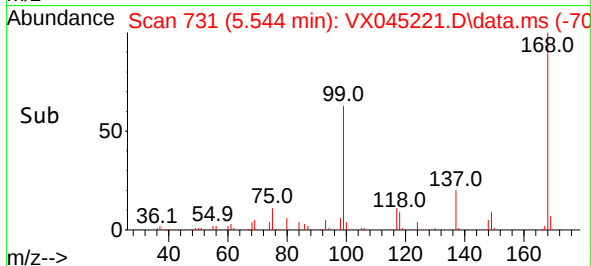
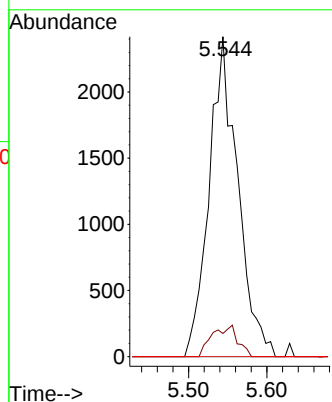
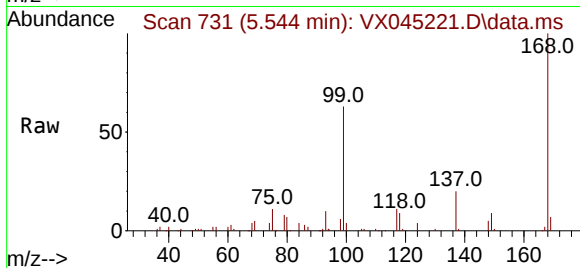
Tgt Ion: 75 Resp: 6134

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.813 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045221.D

Acq: 11 Mar 2025 14:00

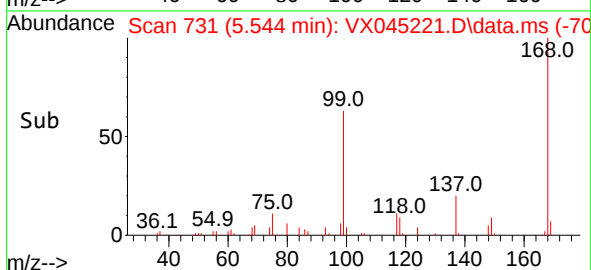
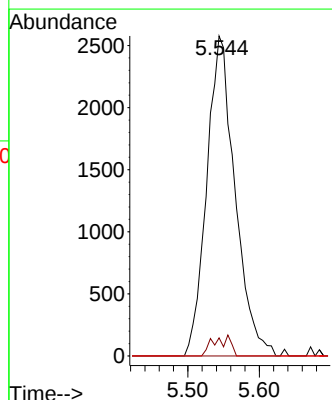
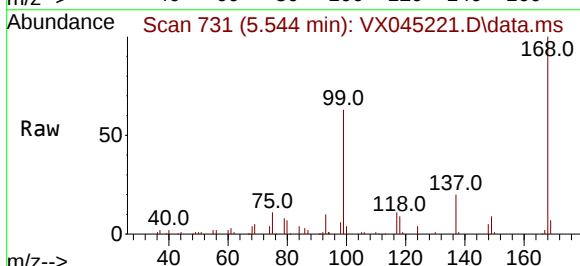
Tgt Ion: 117 Resp: 7082

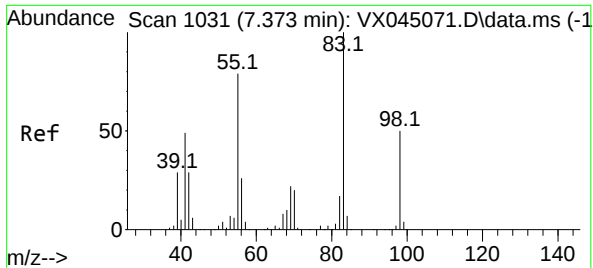
Ion Ratio Lower Upper

117 100

119 5.7 76.7 115.1#

121 0.0 25.5 38.3#

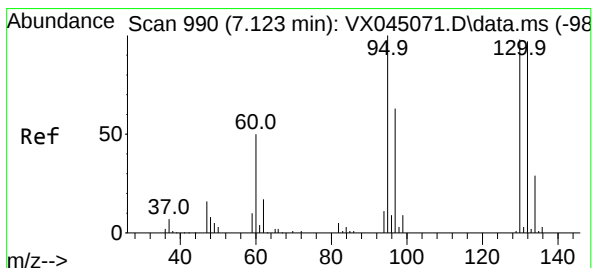
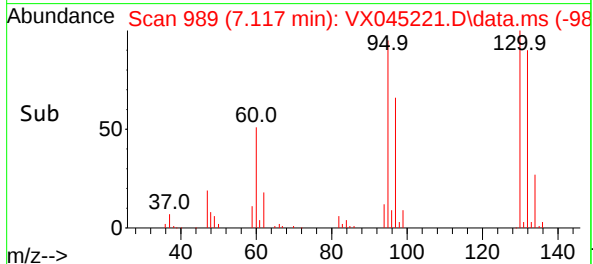
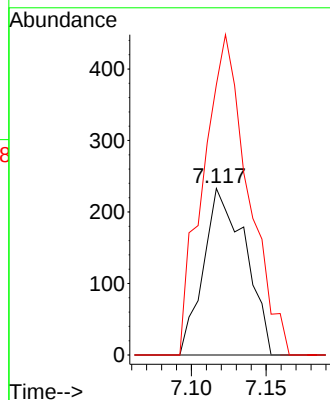
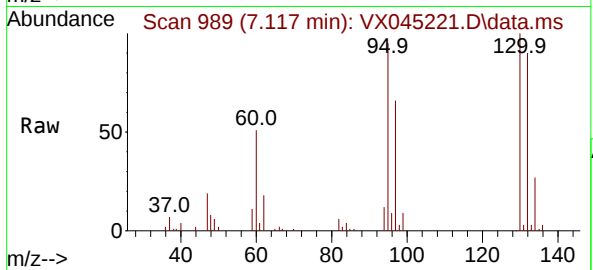




#39
Methylcyclohexane
Concen: 0.316 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

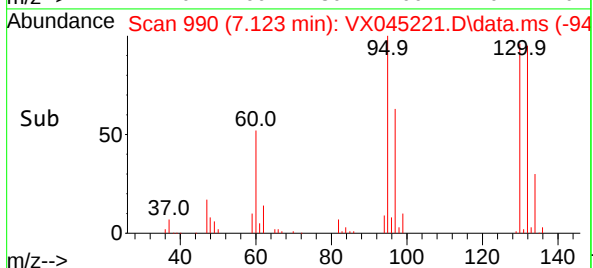
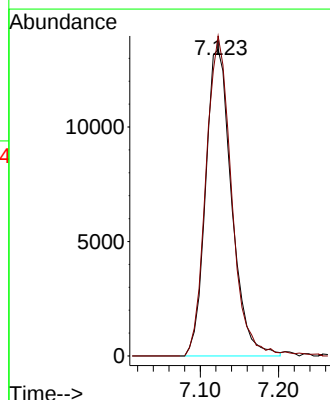
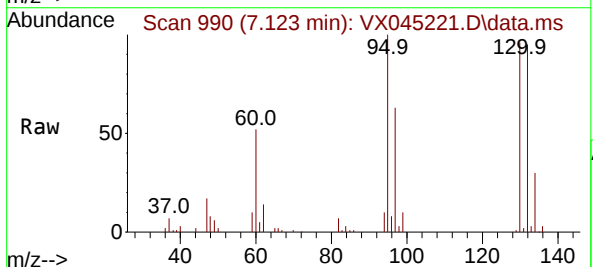
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305DL

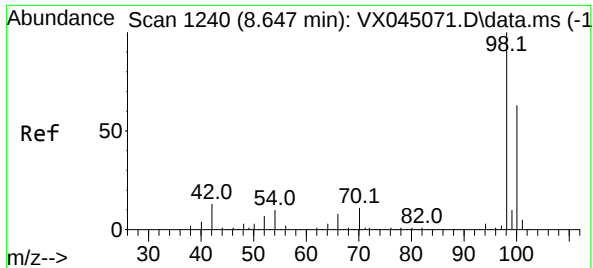
Tgt Ion: 83 Resp: 454
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 162.2 39.7 59.5#



#44
Trichloroethene
Concen: 34.787 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

Tgt Ion:130 Resp: 30955
Ion Ratio Lower Upper
130 100
95 104.4 0.0 205.0

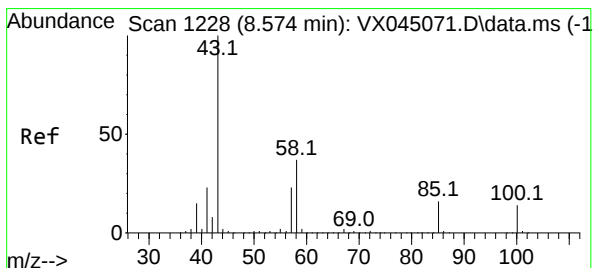
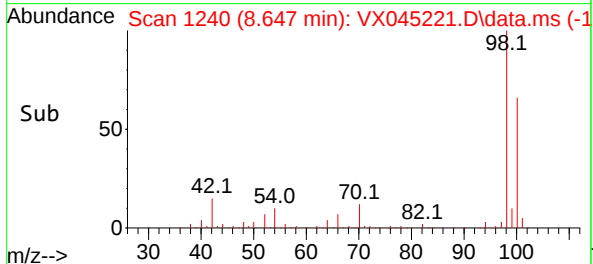
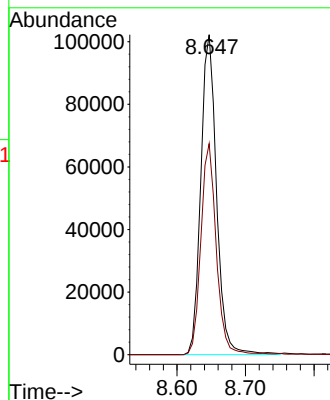
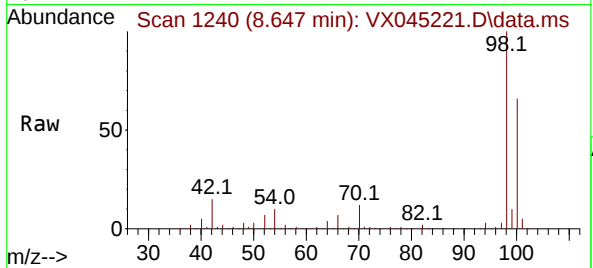




#50
Toluene-d8
Concen: 51.662 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

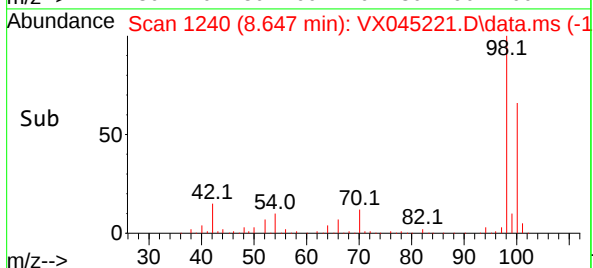
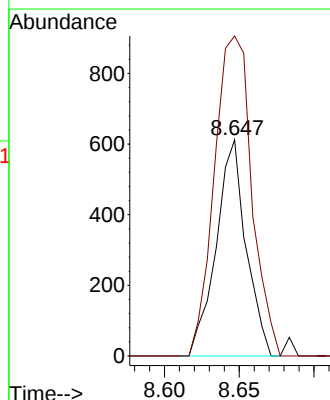
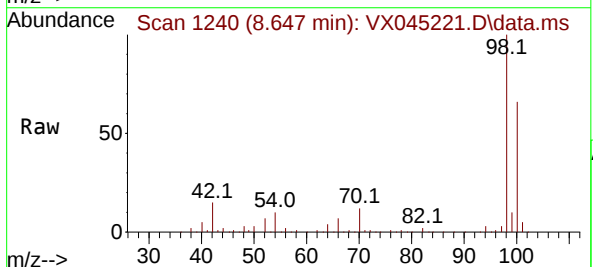
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305DL

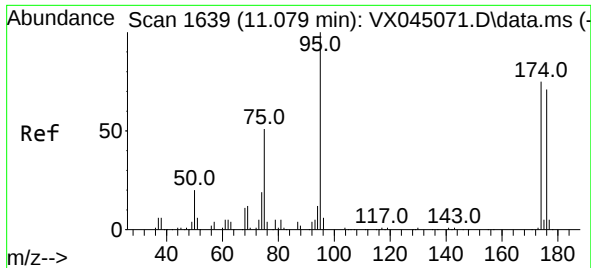
Tgt Ion: 98 Resp: 163900
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.554 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

Tgt Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
58 185.3 29.2 43.8#

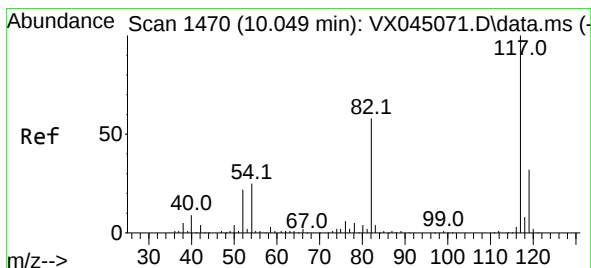
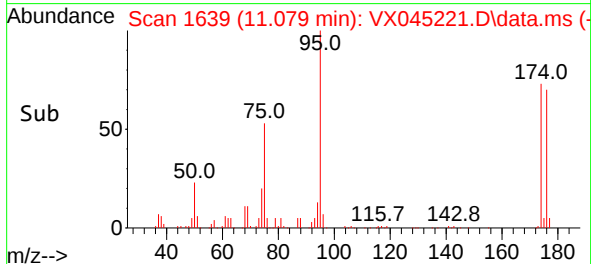
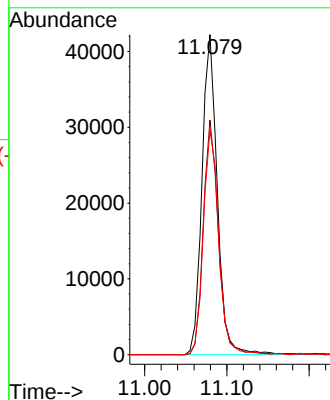
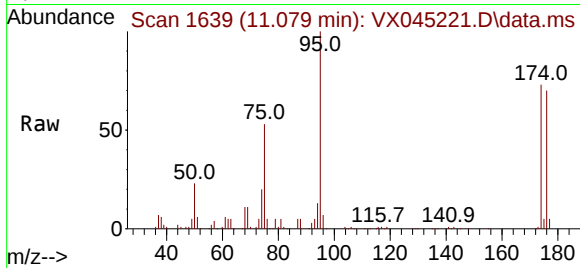




#62
4-Bromofluorobenzene
Concen: 52.015 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

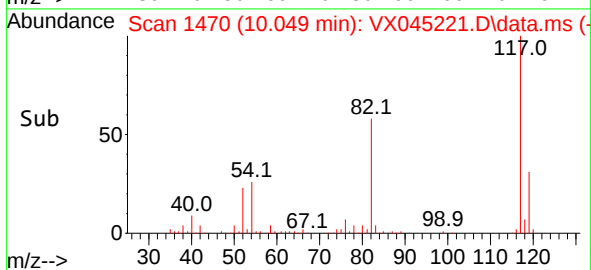
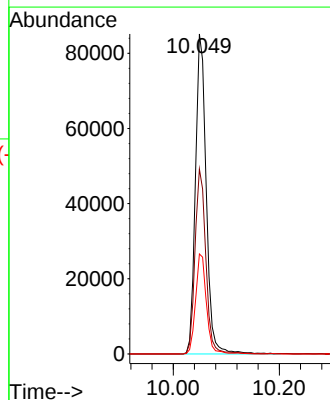
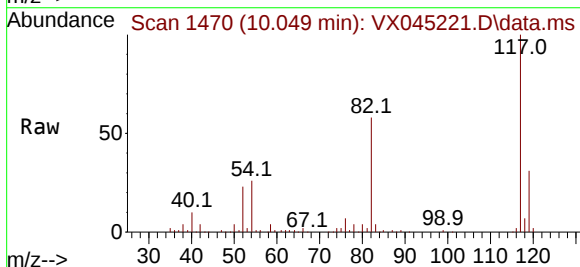
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305DL

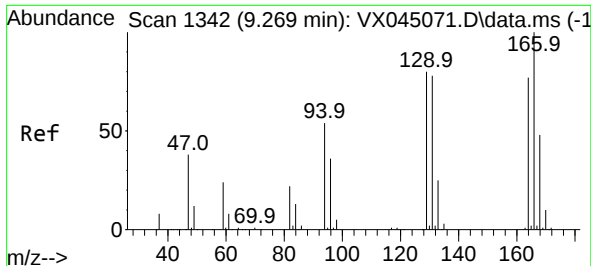
Tgt Ion: 95 Resp: 54682
Ion Ratio Lower Upper
95 100
174 72.6 0.0 148.2
176 70.4 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

Tgt Ion: 117 Resp: 120278
Ion Ratio Lower Upper
117 100
82 57.8 46.3 69.5
119 31.3 25.7 38.5



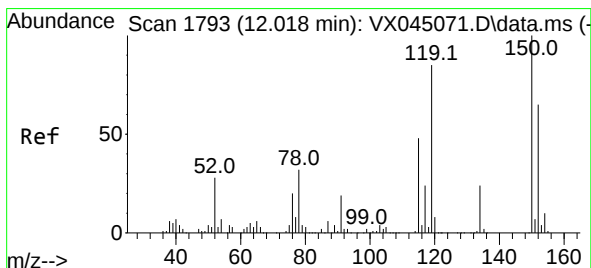
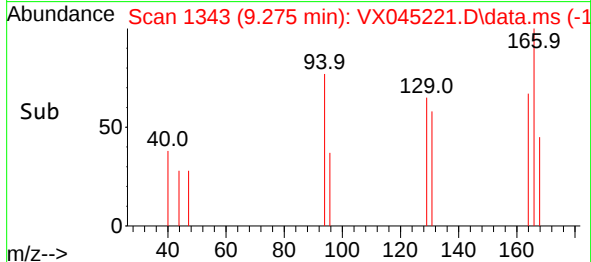
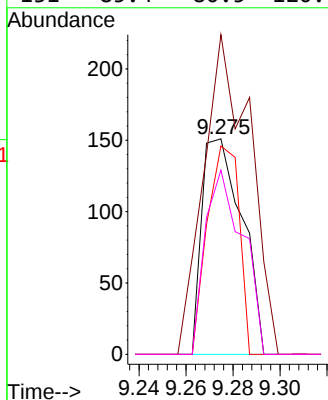
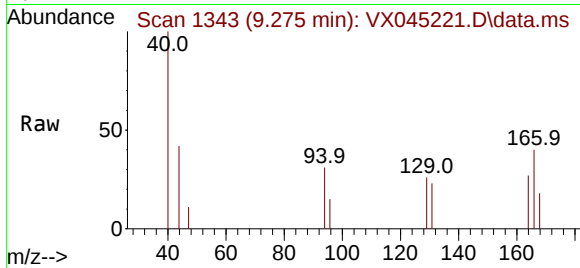


#64
Tetrachloroethene
Concen: 0.232 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305DL

Tgt Ion:164 Resp: 179

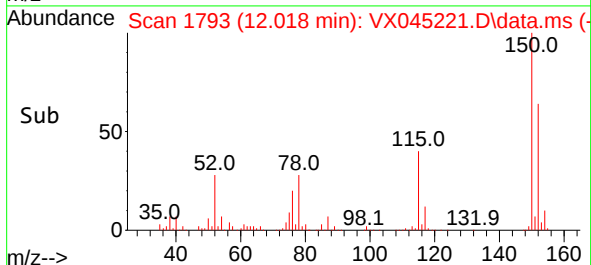
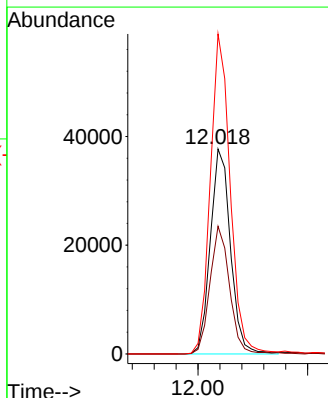
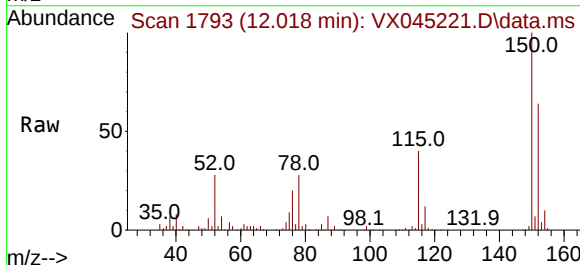
Ion	Ratio	Lower	Upper
164	100		
166	148.3	103.6	155.4
129	96.7	82.7	124.1
131	85.4	80.5	120.7

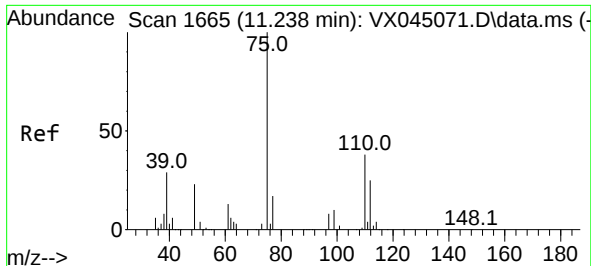


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

Tgt Ion:152 Resp: 48152

Ion	Ratio	Lower	Upper
152	100		
115	60.7	44.2	132.6
150	153.7	0.0	349.0

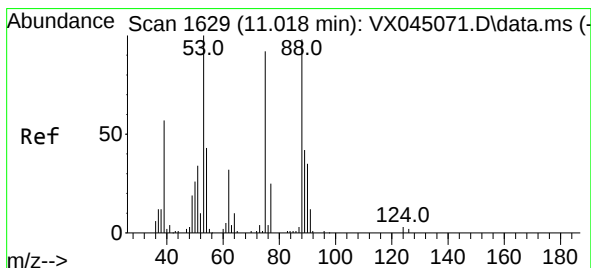
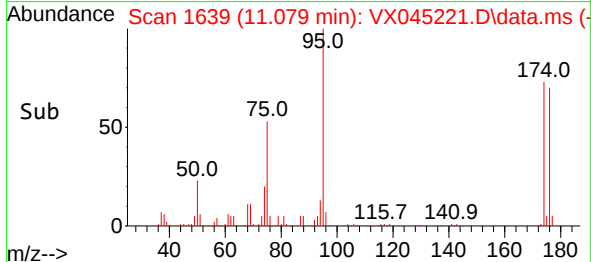
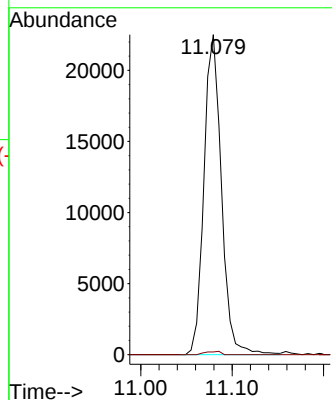
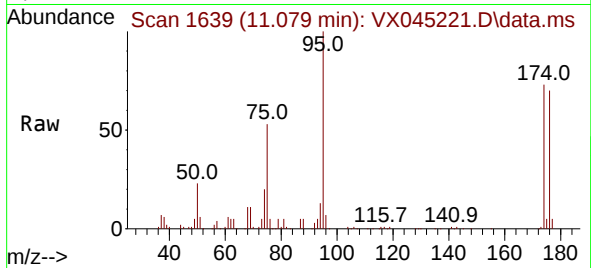




#76
1,2,3-Trichloropropane
Concen: 26.640 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305DL

Tgt Ion: 75 Resp: 29857
Ion Ratio Lower Upper
75 100
77 0.9 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.168 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045221.D
Acq: 11 Mar 2025 14:00

Tgt Ion: 75 Resp: 29857
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

