

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045197.D
 Acq On : 10 Mar 2025 15:39
 Operator : JC/MD
 Sample : Q1531-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20250305

Quant Time: Mar 11 03:57:27 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)

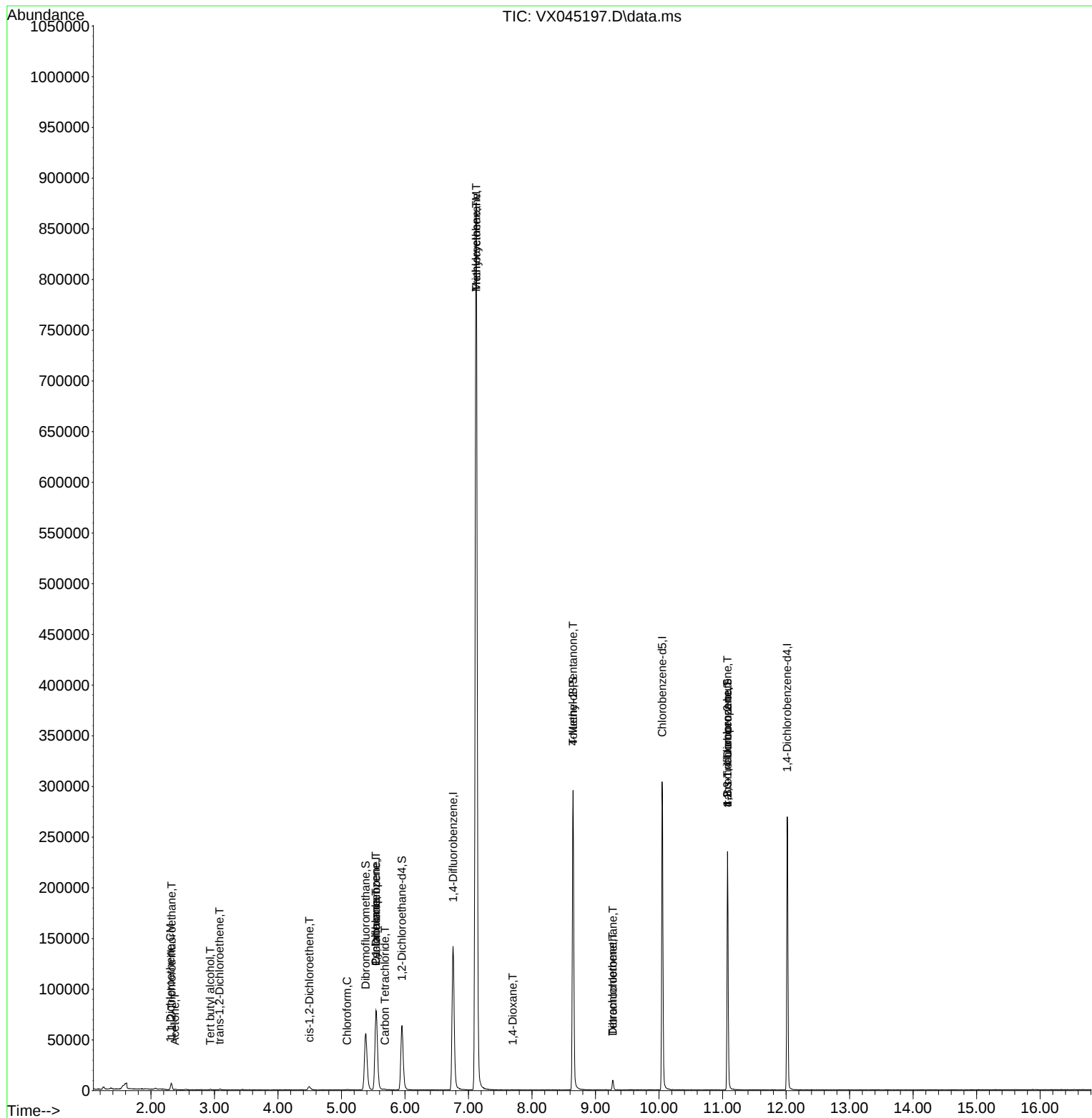
Internal Standards						
1) Pentafluorobenzene	5.544	168	72010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142771	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59851	52.252	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.500%
35) Dibromofluoromethane	5.379	113	49186	51.521	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.040%
50) Toluene-d8	8.647	98	175250	50.635	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.280%
62) 4-Bromofluorobenzene	11.079	95	59805	52.146	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.300%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	2105	2.515	ug/l	92
11) Tert butyl alcohol	2.934	59	101	0.466	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	480	0.542	ug/l	82
16) Acetone	2.380	43	572	1.076	ug/l #	87
21) trans-1,2-Dichloroethene	3.081	96	399	0.456	ug/l	90
27) cis-1,2-Dichloroethene	4.495	96	2264	2.098	ug/l	91
30) Chloroform	5.086	83	538	0.302	ug/l #	55
31) Cyclohexane	5.544	56	1896	1.217	ug/l #	42
36) 1,1-Dichloropropene	5.544	75	6551	5.004	ug/l #	50
38) Carbon Tetrachloride	5.684	117	288	0.217	ug/l #	45
39) Methylcyclohexane	7.123	83	4560	2.907	ug/l #	1
44) Trichloroethene	7.123	130	332633	342.651	ug/l	97
49) 1,4-Dioxane	7.696	88	264	10.000	ug/l #	83
51) 4-Methyl-2-Pentanone	8.647	43	1074	0.641	ug/l #	1
60) Dibromochloromethane	9.275	129	1926	1.845	ug/l #	11
64) Tetrachloroethene	9.269	164	1893	2.260	ug/l	85
76) 1,2,3-Trichloropropane	11.079	75	32921	26.368	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32921	90.236	ug/l #	6

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

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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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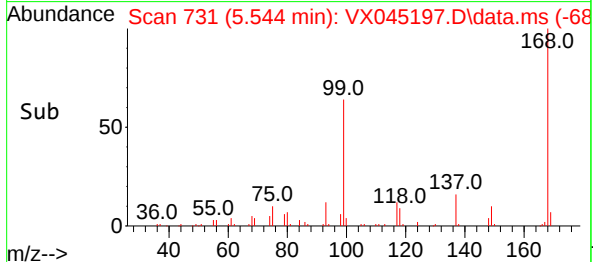
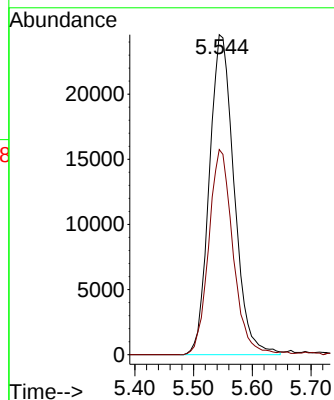
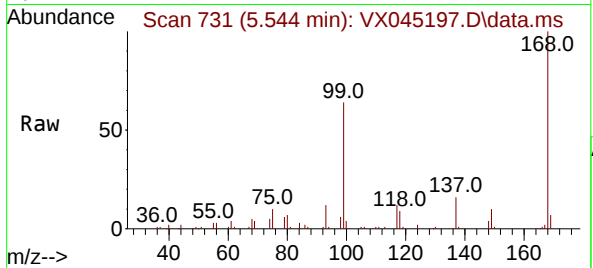




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

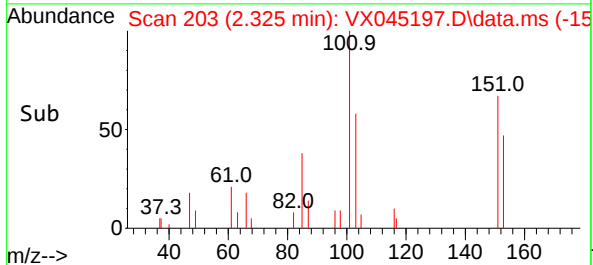
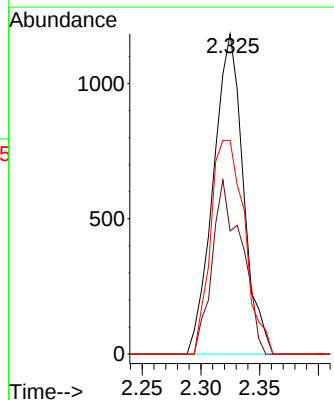
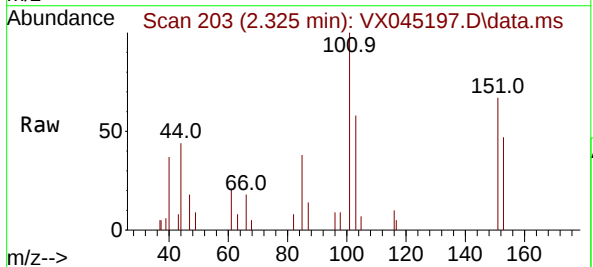
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305

Tgt Ion:168 Resp: 72010
Ion Ratio Lower Upper
168 100
99 64.1 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.515 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

Tgt Ion:101 Resp: 2105
Ion Ratio Lower Upper
101 100
85 53.3 36.2 54.4
151 75.3 56.4 84.6





#11

Tert butyl alcohol

Concen: 0.466 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.049 min

Lab File: VX045197.D

Acq: 10 Mar 2025 15:39

Instrument :

MSVOA_X

ClientSampleId :

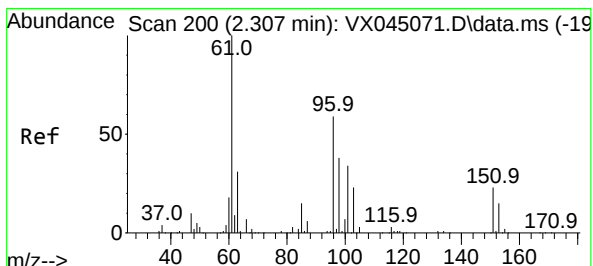
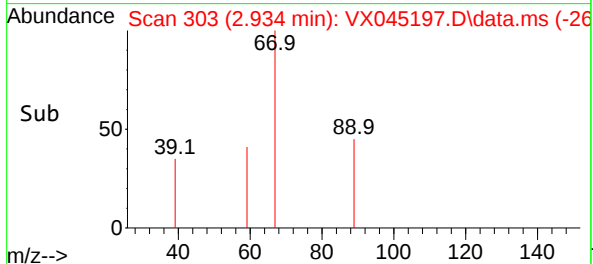
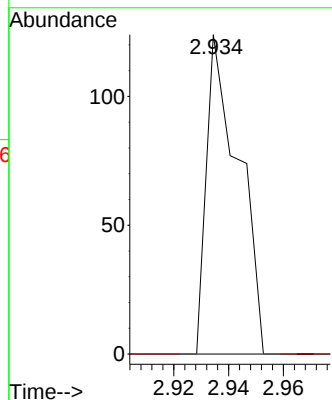
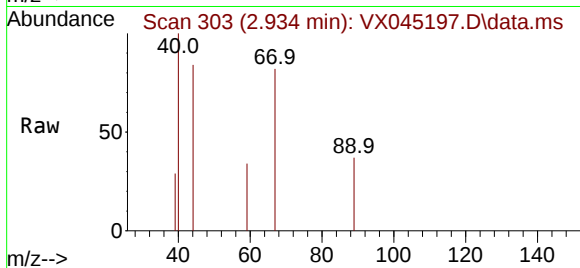
RE122D1-20250305

Tgt Ion: 59 Resp: 101

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 0.542 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045197.D

Acq: 10 Mar 2025 15:39

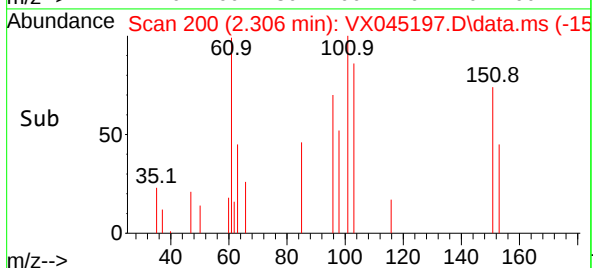
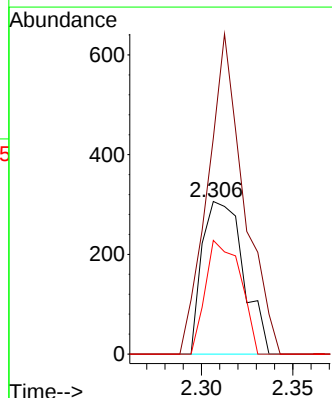
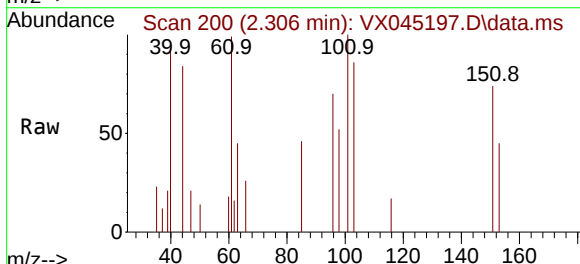
Tgt Ion: 96 Resp: 480

Ion Ratio Lower Upper

96 100

61 141.5 134.6 202.0

98 74.5 51.0 76.6

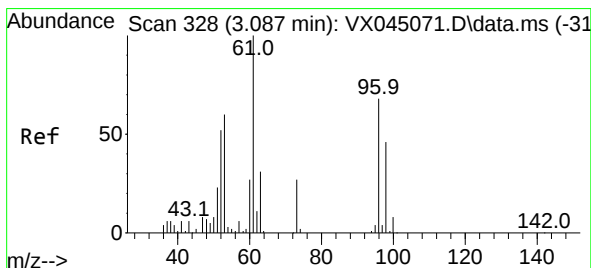
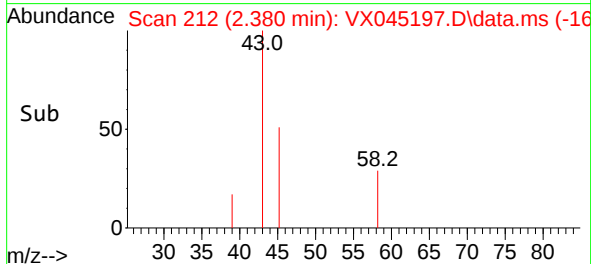
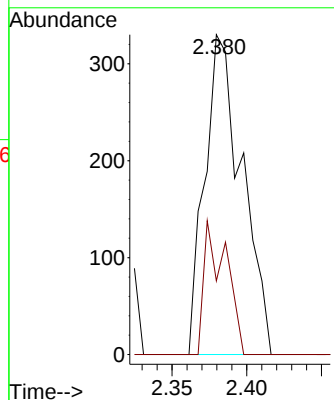
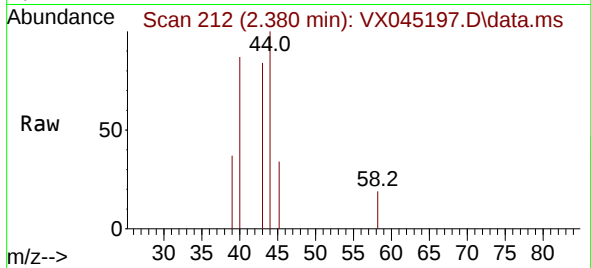




#16
Acetone
Concen: 1.076 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

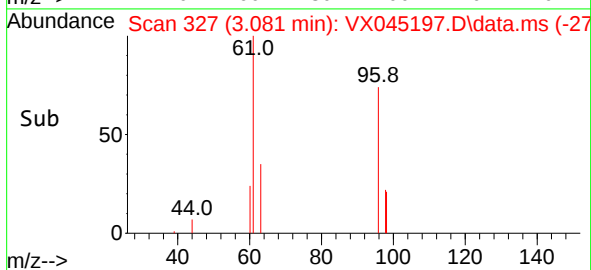
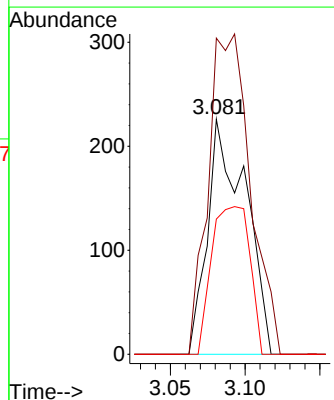
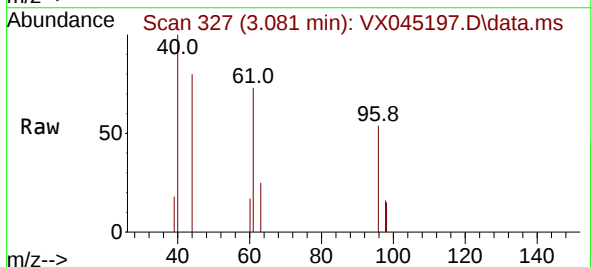
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305

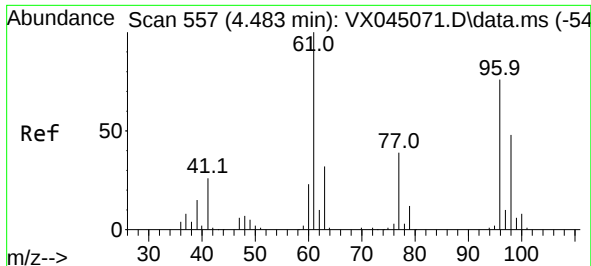
Tgt Ion: 43 Resp: 572
Ion Ratio Lower Upper
43 100
58 23.0 24.2 36.4#



#21
trans-1,2-Dichloroethene
Concen: 0.456 ug/l
RT: 3.081 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

Tgt Ion: 96 Resp: 399
Ion Ratio Lower Upper
96 100
61 134.5 117.0 175.4
98 57.5 53.4 80.2





#27

cis-1,2-Dichloroethene

Concen: 2.098 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX045197.D

Acq: 10 Mar 2025 15:39

Instrument :

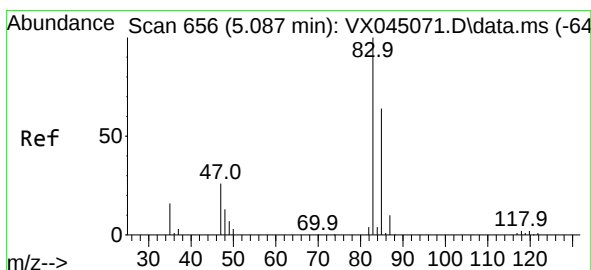
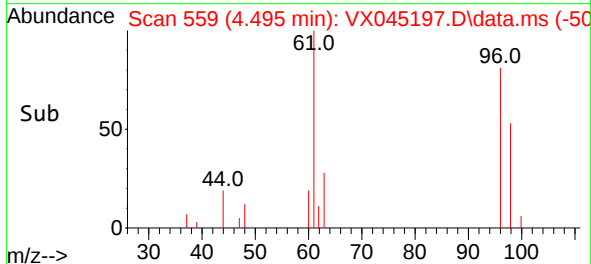
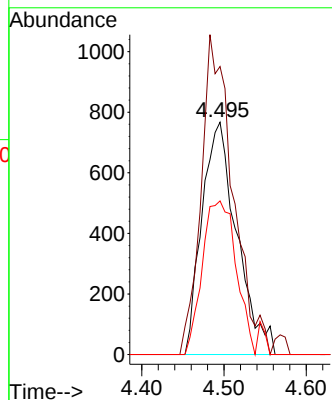
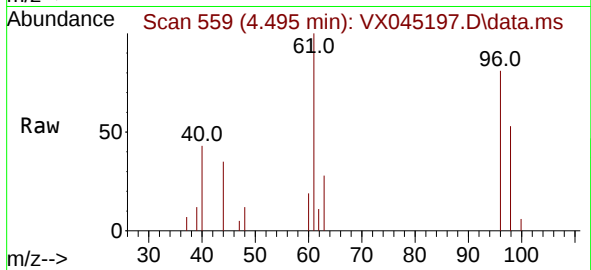
MSVOA_X

ClientSampleId :

RE122D1-20250305

Tgt Ion: 96 Resp: 2264

Ion	Ratio	Lower	Upper
96	100		
61	125.4	0.0	283.2
98	64.0	0.0	128.0



#30

Chloroform

Concen: 0.302 ug/l

RT: 5.086 min Scan# 656

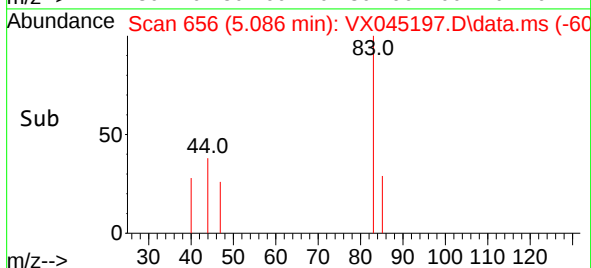
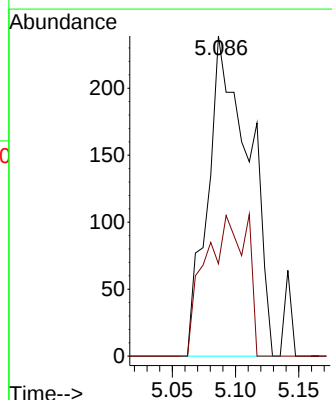
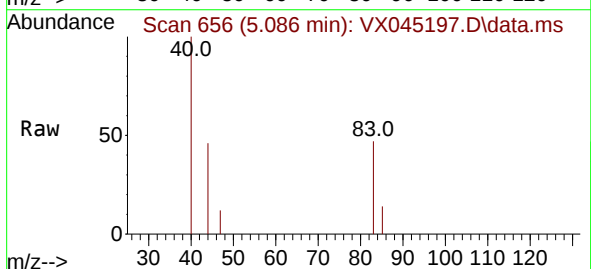
Delta R.T. -0.000 min

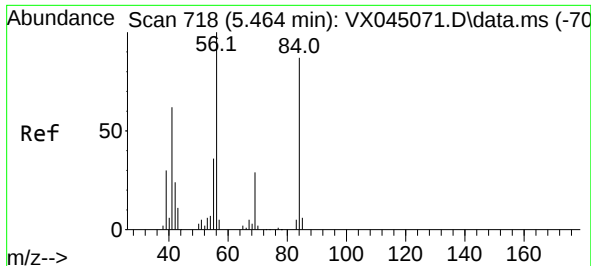
Lab File: VX045197.D

Acq: 10 Mar 2025 15:39

Tgt Ion: 83 Resp: 538

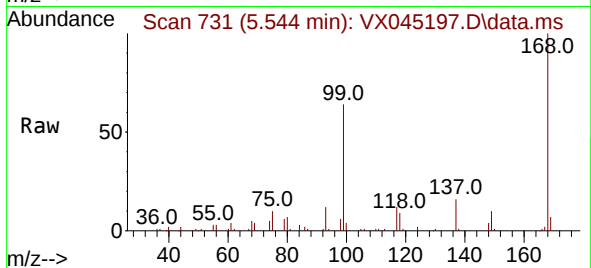
Ion	Ratio	Lower	Upper
83	100		
85	28.9	51.4	77.2#



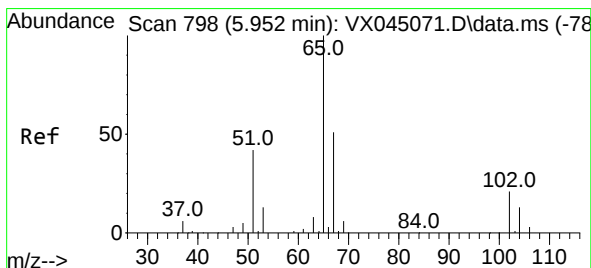
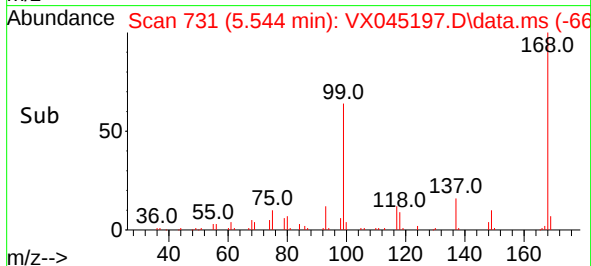
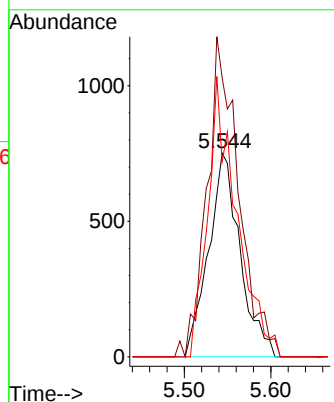


#31
Cyclohexane
Concen: 1.217 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

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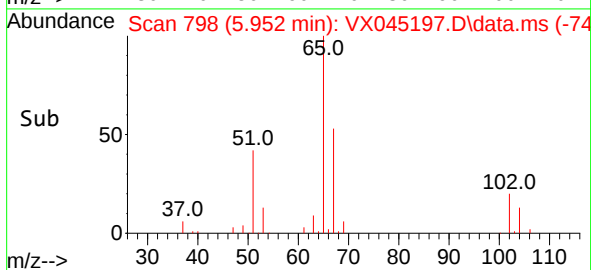
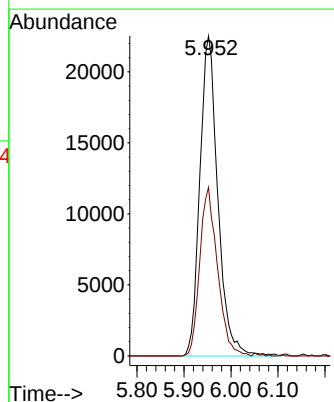
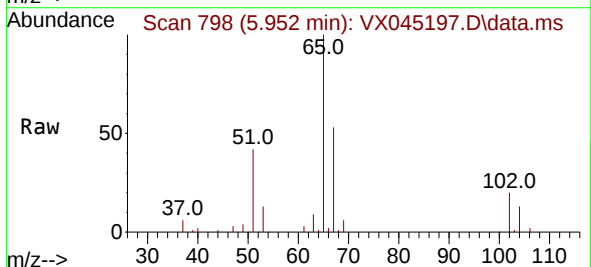


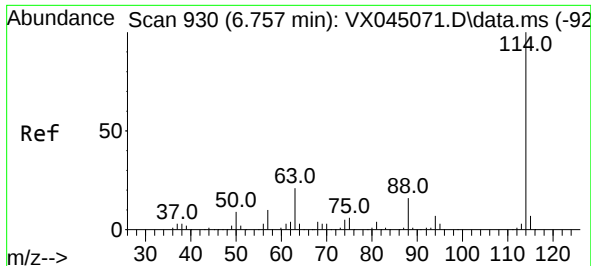
Tgt Ion: 56 Resp: 1896
Ion Ratio Lower Upper
56 100
69 137.2 23.4 35.2#
84 95.9 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 52.252 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

Tgt Ion: 65 Resp: 59851
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.2

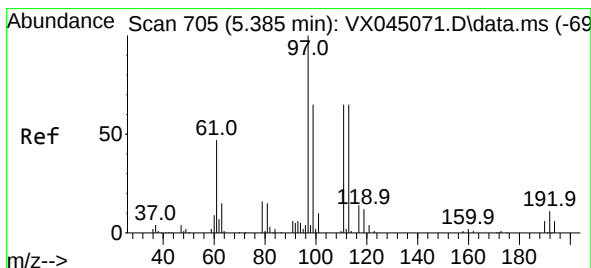
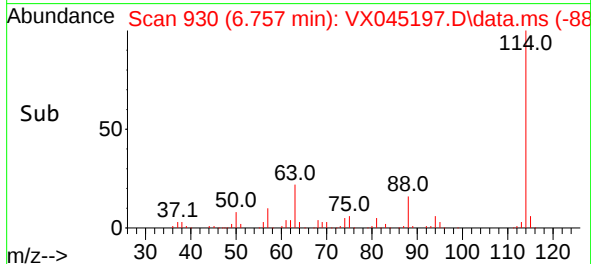
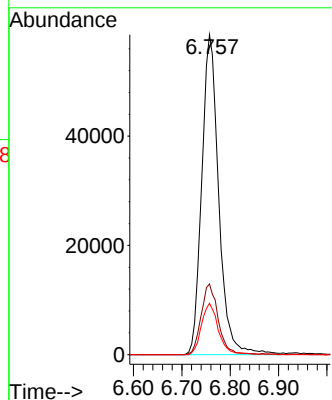
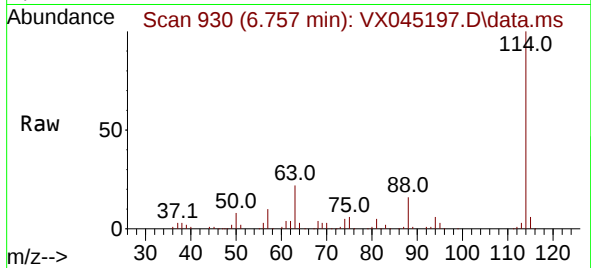




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

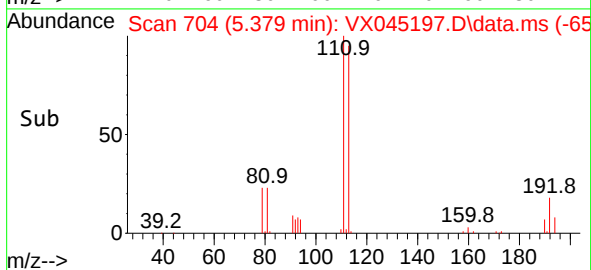
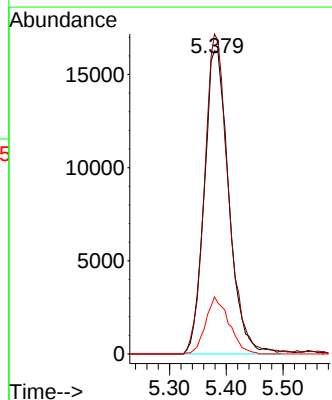
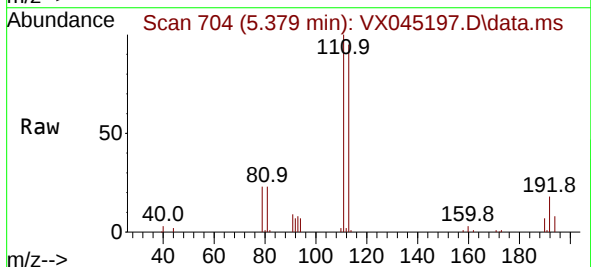
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305

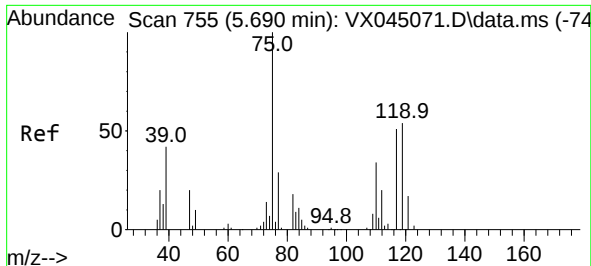
Tgt Ion:114 Resp: 142771
Ion Ratio Lower Upper
114 100
63 22.1 0.0 41.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.521 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

Tgt Ion:113 Resp: 49186
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.6
192 17.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.004 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045197.D

Acq: 10 Mar 2025 15:39

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20250305

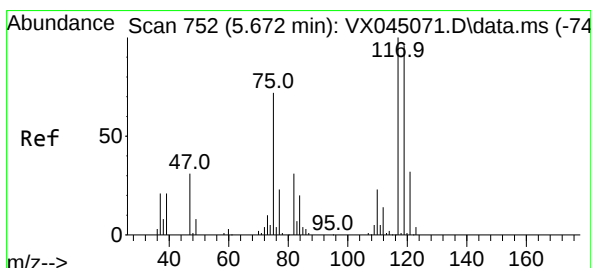
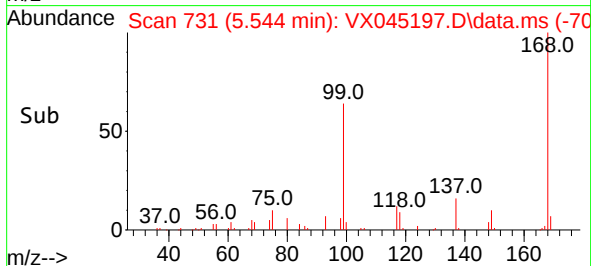
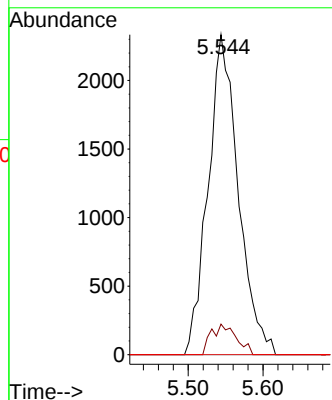
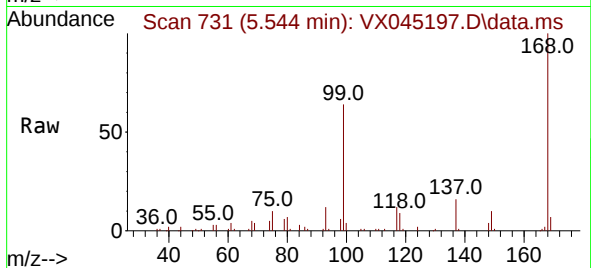
Tgt Ion: 75 Resp: 6551

Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 0.217 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.012 min

Lab File: VX045197.D

Acq: 10 Mar 2025 15:39

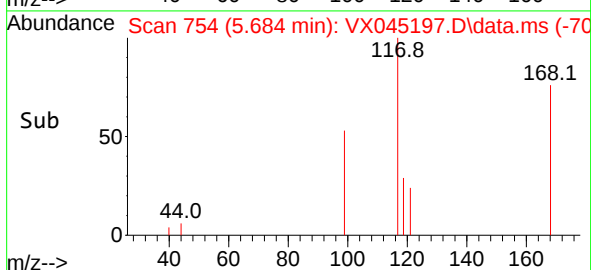
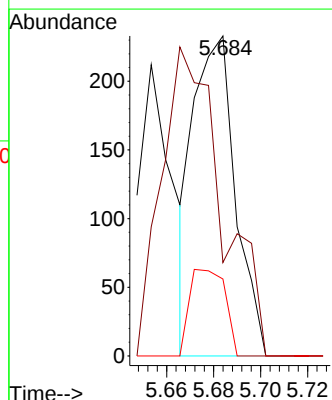
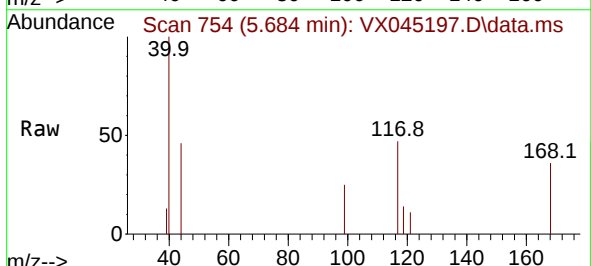
Tgt Ion: 117 Resp: 288

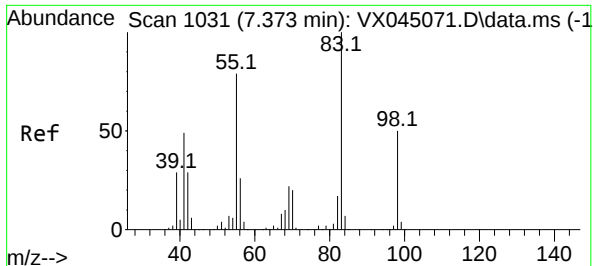
Ion Ratio Lower Upper

117 100

119 29.2 76.7 115.1#

121 24.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 2.907 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX045197.D

Acq: 10 Mar 2025 15:39

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20250305

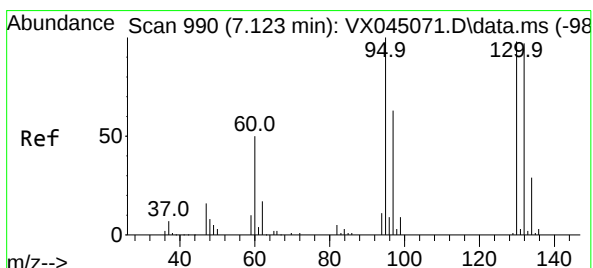
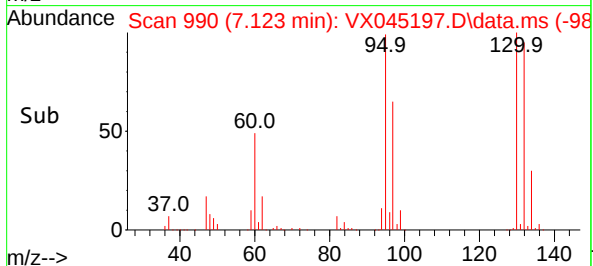
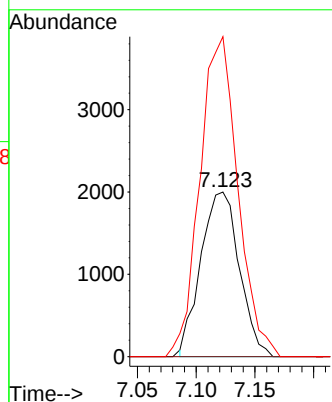
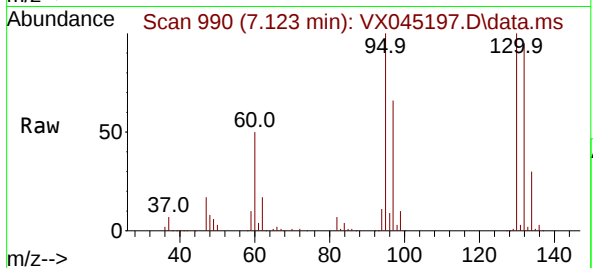
Tgt Ion: 83 Resp: 4560

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 194.4 39.7 59.5#



#44

Trichloroethene

Concen: 342.651 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045197.D

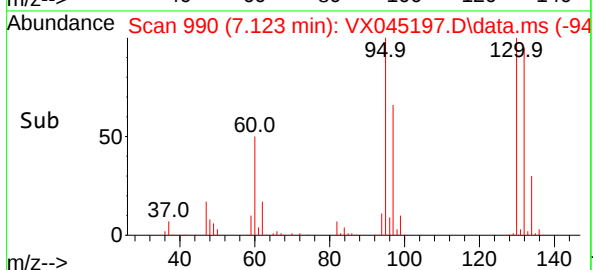
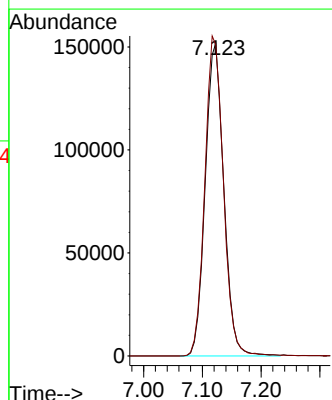
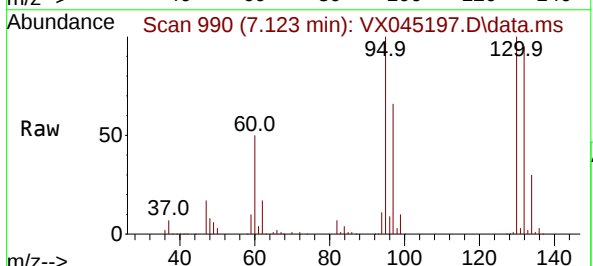
Acq: 10 Mar 2025 15:39

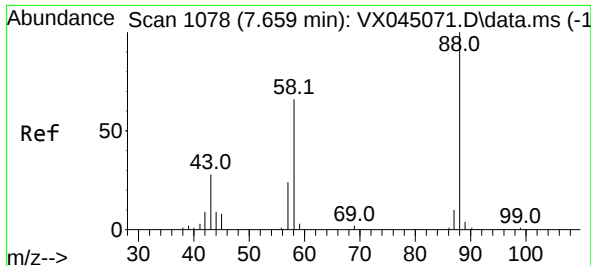
Tgt Ion:130 Resp: 332633

Ion Ratio Lower Upper

130 100

95 99.5 0.0 205.0





#49

1,4-Dioxane

Concen: 10.000 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.037 min

Lab File: VX045197.D

Acq: 10 Mar 2025 15:39

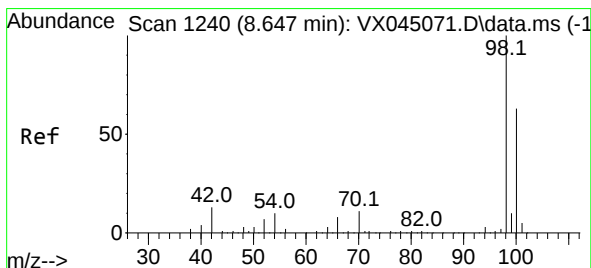
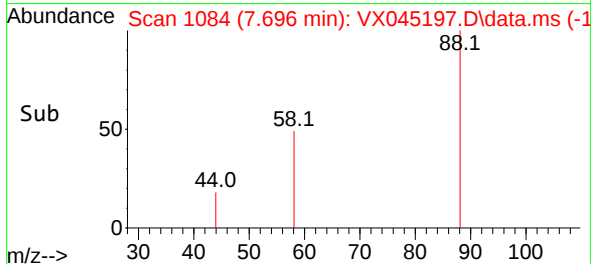
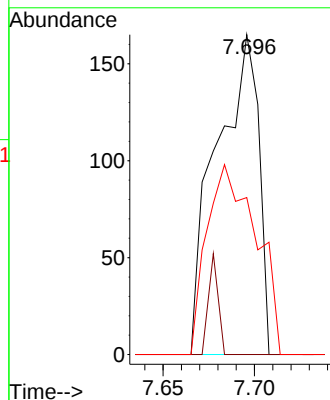
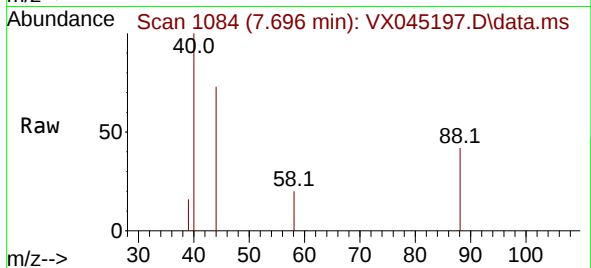
Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20250305

Tgt Ion: 88	Resp: 264
Ion Ratio	Lower Upper
88	100
43	7.2 28.7 43.1#
58	69.7 55.8 83.8



#50

Toluene-d8

Concen: 50.635 ug/l

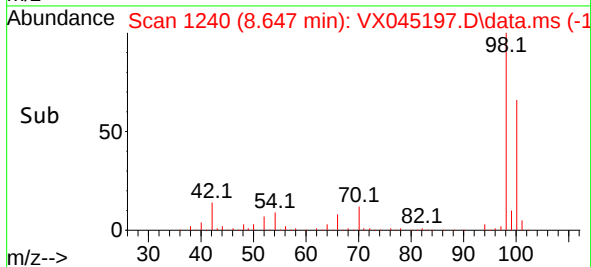
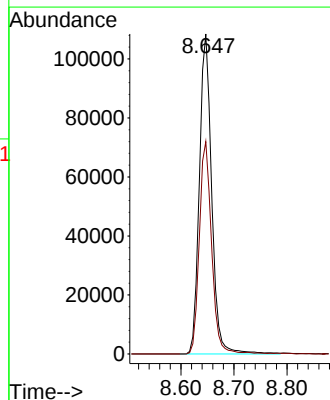
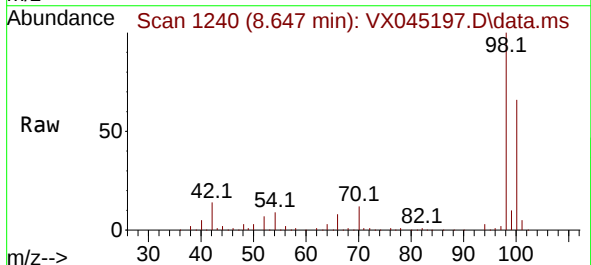
RT: 8.647 min Scan# 1240

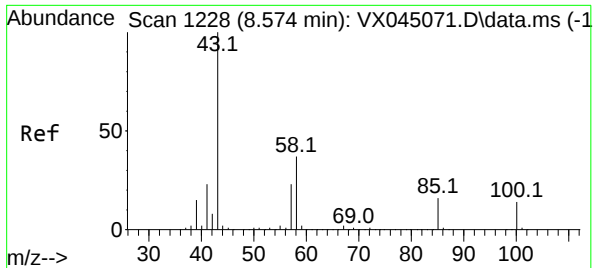
Delta R.T. -0.000 min

Lab File: VX045197.D

Acq: 10 Mar 2025 15:39

Tgt Ion: 98	Resp: 175250
Ion Ratio	Lower Upper
98	100
100	66.2 52.0 78.0

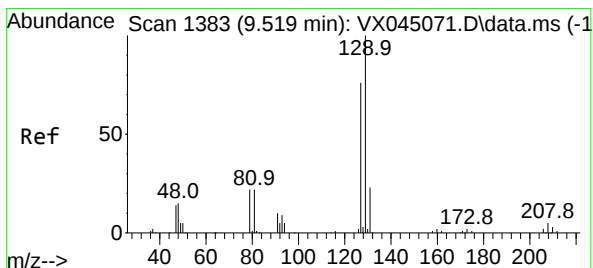
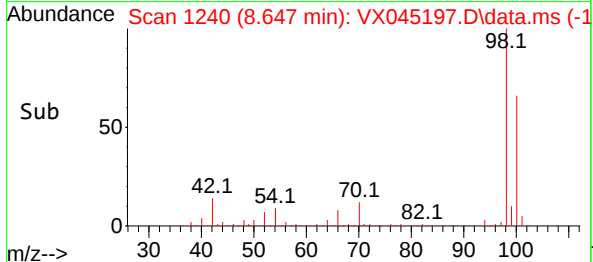
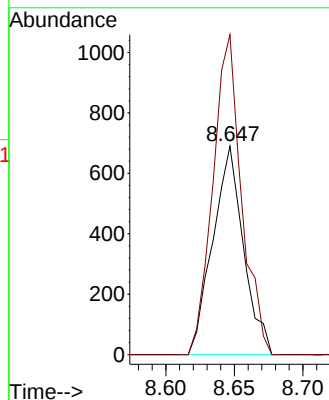
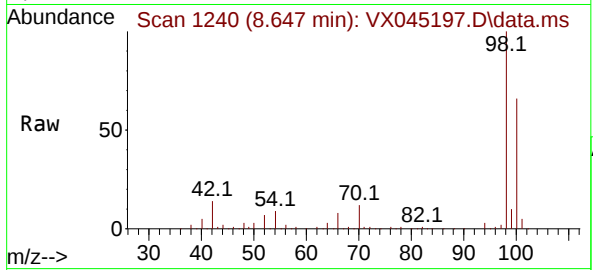




#51
4-Methyl-2-Pentanone
Concen: 0.641 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

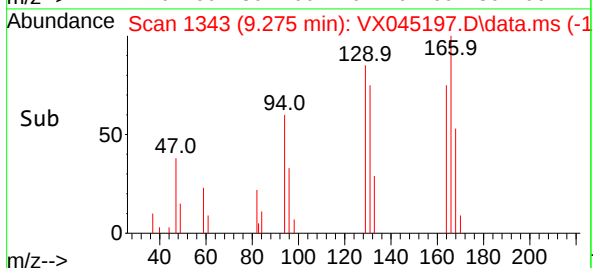
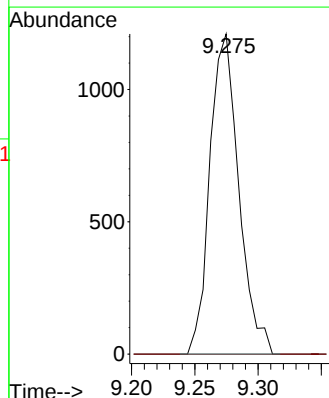
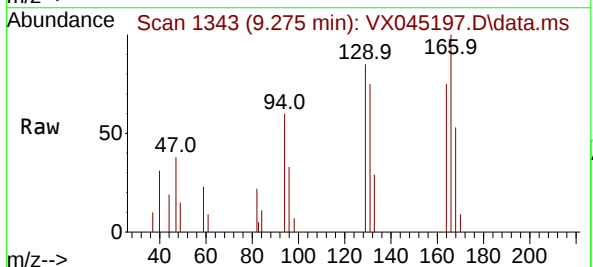
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305

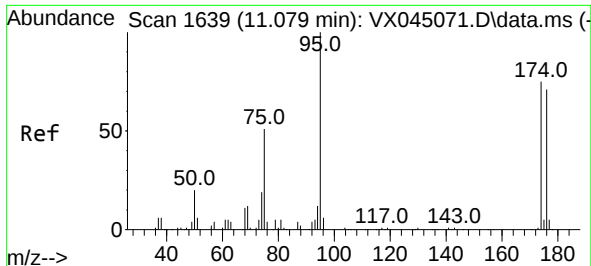
Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
58 143.5 29.2 43.8#



#60
Dibromochloromethane
Concen: 1.845 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

Tgt Ion: 129 Resp: 1926
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

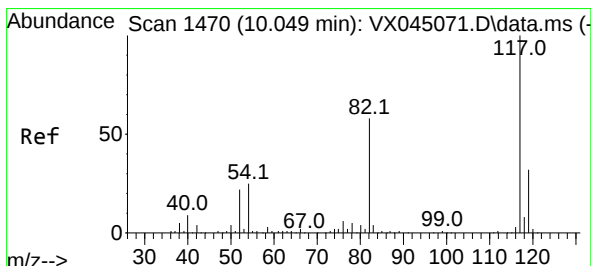
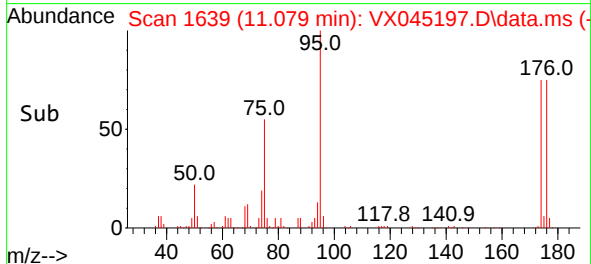
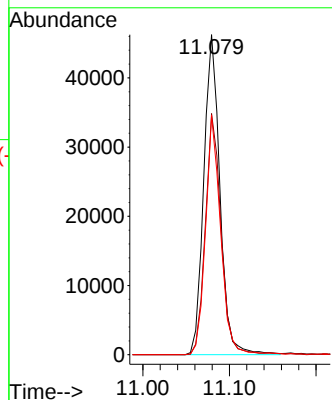
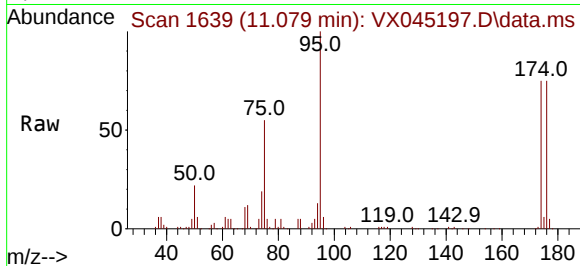




#62
4-Bromofluorobenzene
Concen: 52.146 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

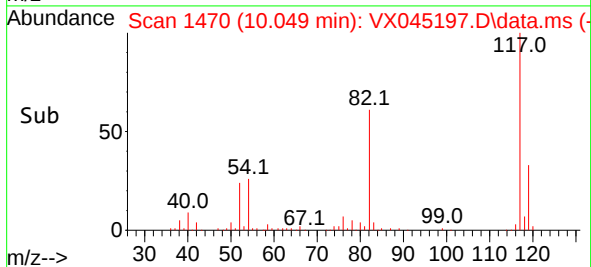
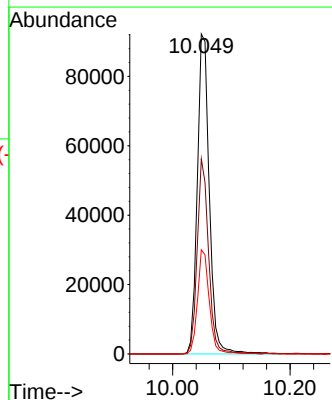
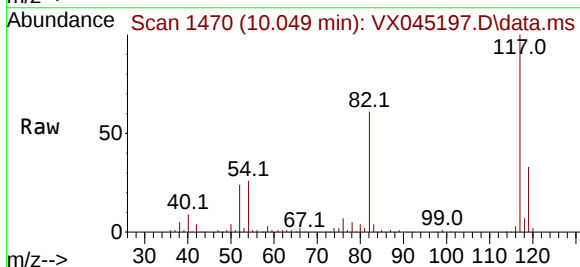
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305

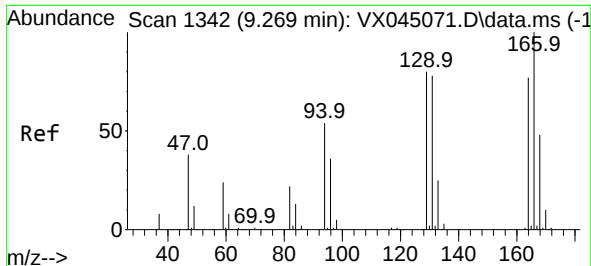
Tgt Ion: 95 Resp: 59805
Ion Ratio Lower Upper
95 100
174 73.5 0.0 148.2
176 70.3 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

Tgt Ion: 117 Resp: 130798
Ion Ratio Lower Upper
117 100
82 61.0 46.3 69.5
119 32.6 25.7 38.5

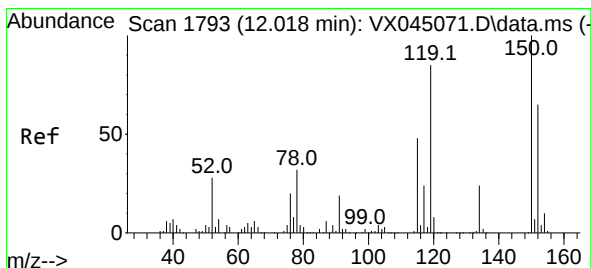
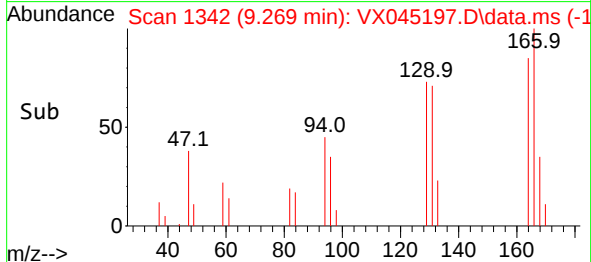
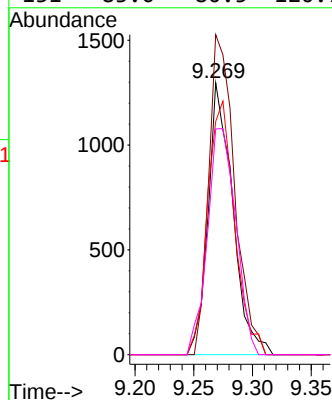
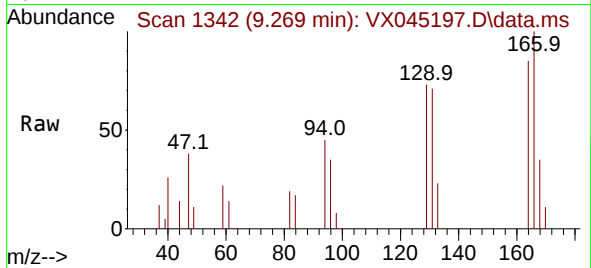




#64
Tetrachloroethene
Concen: 2.260 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

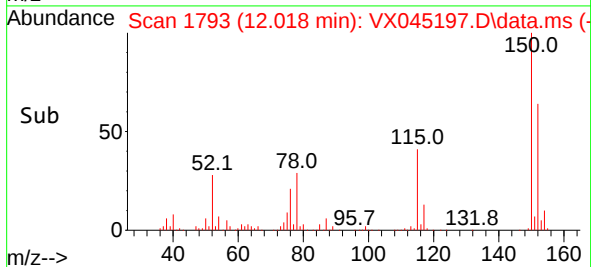
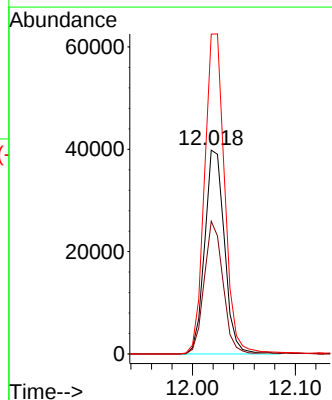
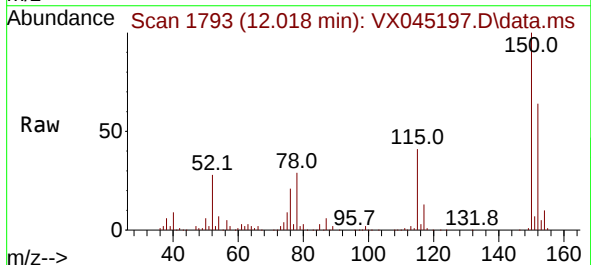
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305

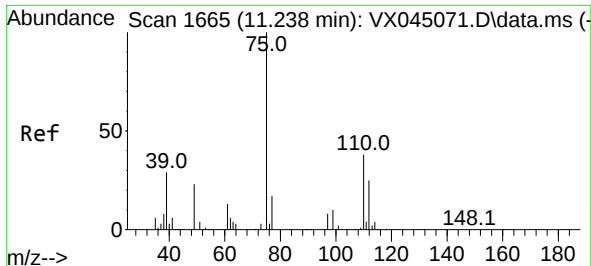
Tgt Ion:164 Resp: 1893
Ion Ratio Lower Upper
164 100
166 117.7 103.6 155.4
129 85.8 82.7 124.1
131 83.0 80.5 120.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

Tgt Ion:152 Resp: 53642
Ion Ratio Lower Upper
152 100
115 61.5 44.2 132.6
150 159.5 0.0 349.0

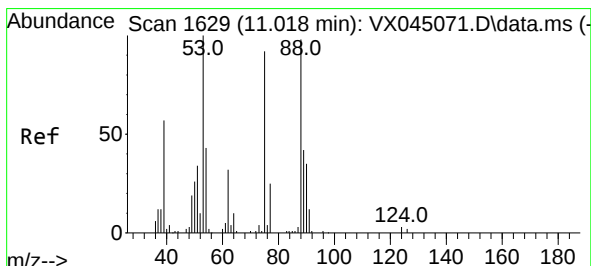
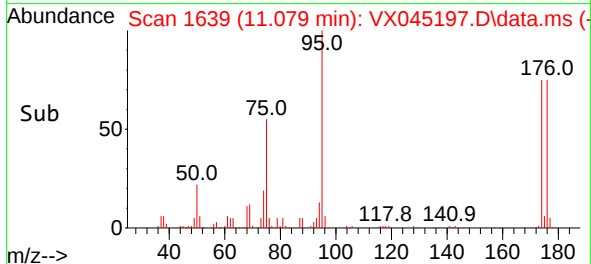
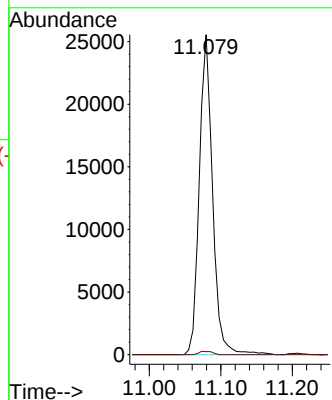
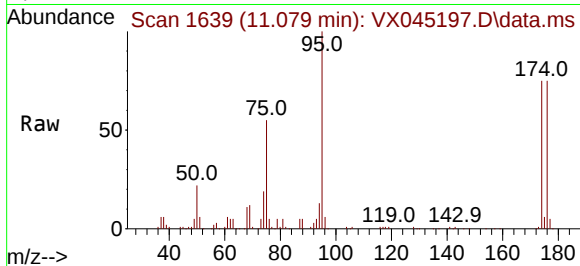




#76
1,2,3-Trichloropropane
Concen: 26.368 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20250305

Tgt Ion: 75 Resp: 32921
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045197.D
Acq: 10 Mar 2025 15:39

Tgt Ion: 75 Resp: 32921
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

