

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010725\
 Data File : VX044604.D
 Acq On : 07 Jan 2025 16:06
 Operator : JC/MD
 Sample : VX0107WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 08 05:53:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 08 03:57:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

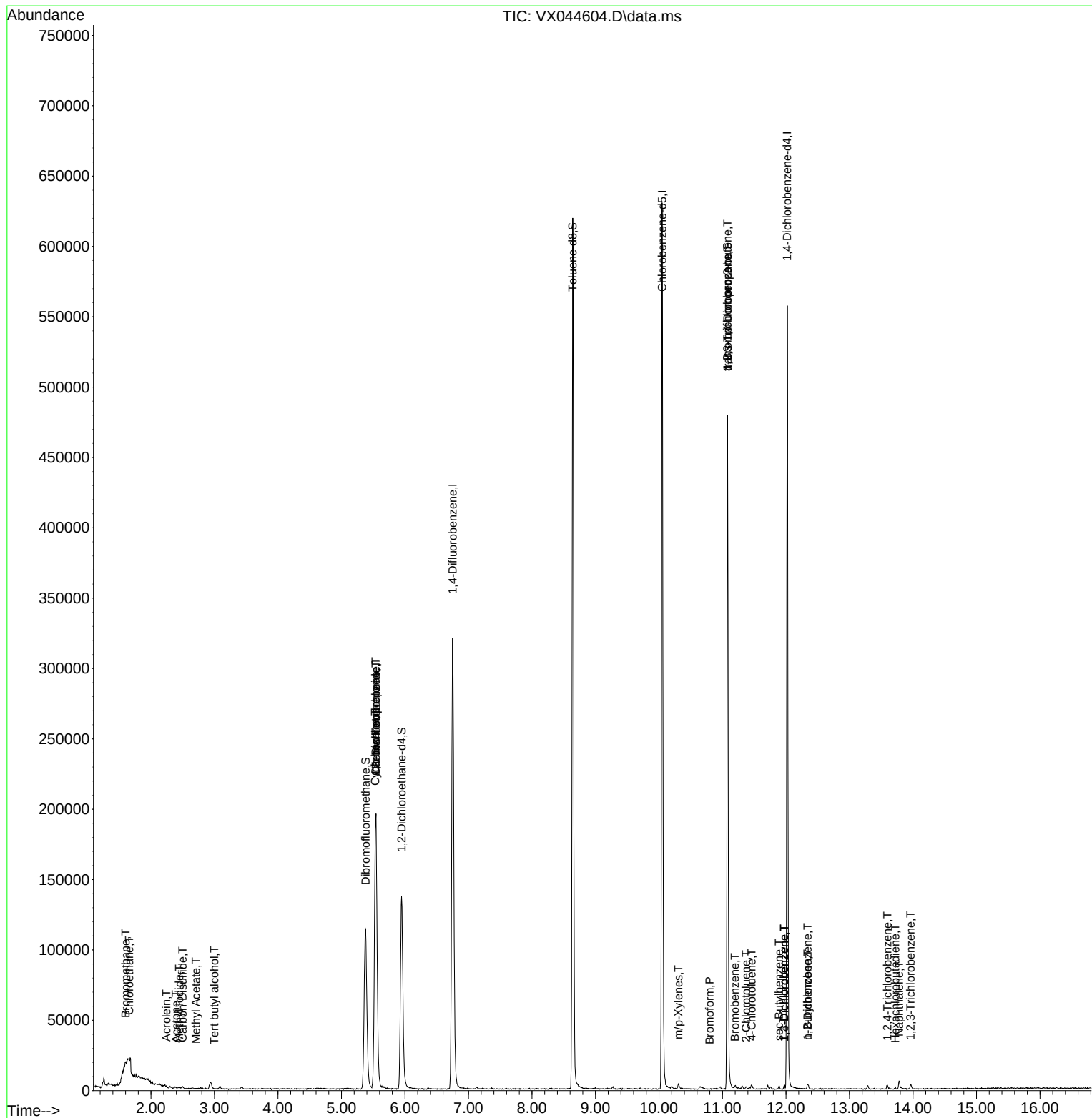
Internal Standards						
1) Pentafluorobenzene	5.544	168	173540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	316021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	270881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	109213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	141681	50.634	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.260%
35) Dibromofluoromethane	5.379	113	102020	47.079	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.160%
50) Toluene-d8	8.641	98	366480	49.511	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.020%
62) 4-Bromofluorobenzene	11.079	95	124484	47.647	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.300%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	1013	0.833	ug/l	91
6) Chloroethane	1.654	64	285	0.212	ug/l #	5
10) Methyl Iodide	2.447	142	641	0.229	ug/l #	60
11) Tert butyl alcohol	2.995	59	124	0.360	ug/l #	72
13) Acrolein	2.240	56	203	0.446	ug/l #	60
16) Acetone	2.392	43	850	0.964	ug/l #	47
17) Carbon Disulfide	2.496	76	1741	0.434	ug/l #	95
18) Methyl Acetate	2.709	43	601	0.231	ug/l #	51
31) Cyclohexane	5.532	56	4189	1.319	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	15824	5.647	ug/l #	50
38) Carbon Tetrachloride	5.538	117	20008	6.436	ug/l #	17
68) m/p-Xylenes	10.305	106	1054	0.291	ug/l	94
71) Bromoform	10.799	173	145	0.726	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	68656	31.360	ug/l #	35
77) Bromobenzene	11.195	156	396	0.201	ug/l	63
79) 2-Chlorotoluene	11.372	91	1282	0.217	ug/l	90
81) trans-1,4-Dichloro-2-b...	11.079	75	68656	95.459	ug/l #	4
82) 4-Chlorotoluene	11.457	91	1647	0.248	ug/l	84
85) sec-Butylbenzene	11.890	105	1672	0.206	ug/l	84
87) 1,3-Dichlorobenzene	11.969	146	927	0.261	ug/l	84
88) 1,4-Dichlorobenzene	11.969	146	927	0.250	ug/l	84
89) n-Butylbenzene	12.341	91	1414	0.245	ug/l #	88
91) 1,2-Dichlorobenzene	12.341	146	1091	0.304	ug/l	92
93) 1,2,4-Trichlorobenzene	13.597	180	1008	0.477	ug/l	97
94) Hexachlorobutadiene	13.719	225	194	0.221	ug/l	76
95) Naphthalene	13.780	128	5099	0.748	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1141	0.529	ug/l	96

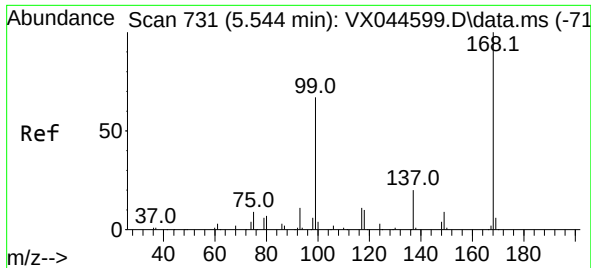
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010725\
Data File : VX044604.D
Acq On : 07 Jan 2025 16:06
Operator : JC/MD
Sample : VX0107WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

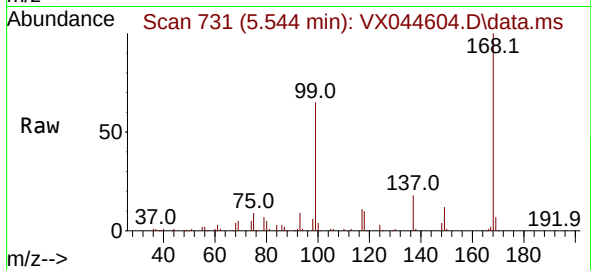
Quant Time: Jan 08 05:53:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010725W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 08 03:57:12 2025
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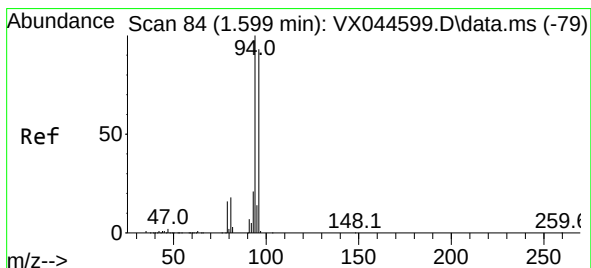
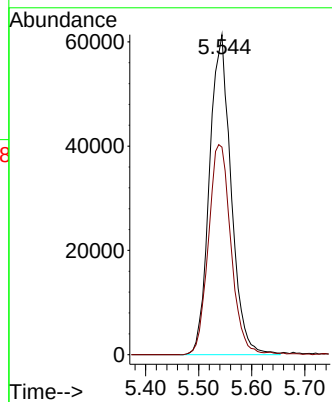
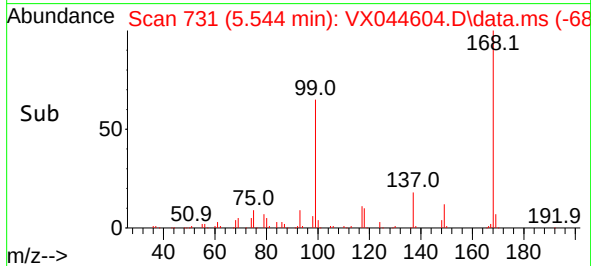


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

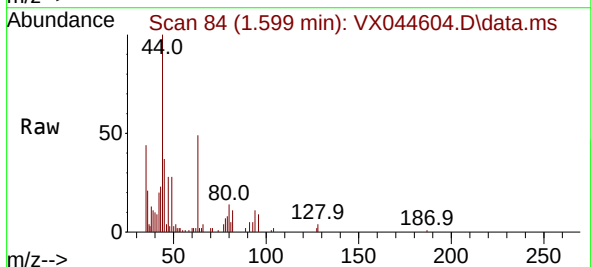
Instrument :
MSVOA_X
ClientSampleId :



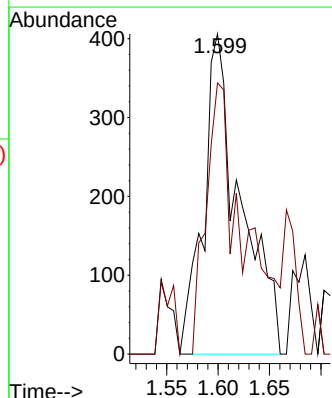
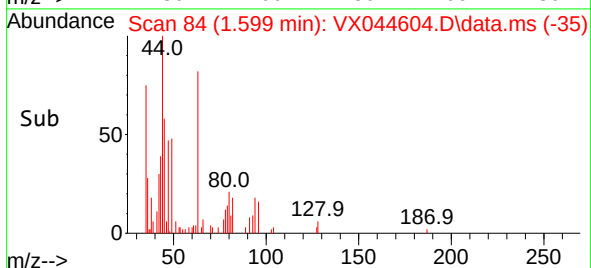
Tgt Ion:168 Resp: 173540
Ion Ratio Lower Upper
168 100
99 64.8 53.5 80.3

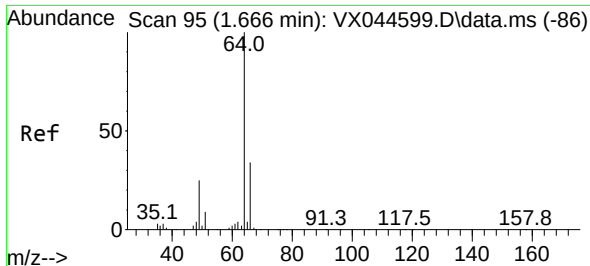


#5
Bromomethane
Concen: 0.833 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06



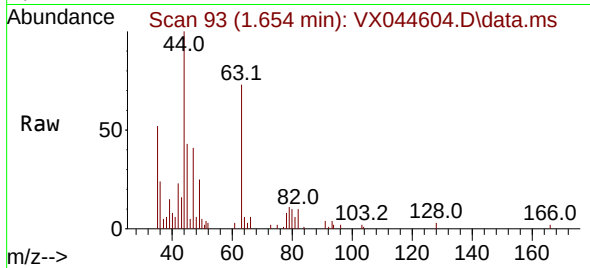
Tgt Ion: 94 Resp: 1013
Ion Ratio Lower Upper
94 100
96 84.7 74.6 112.0



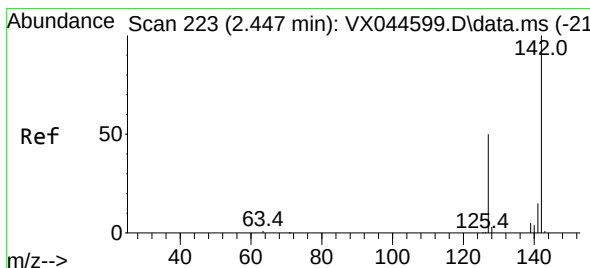
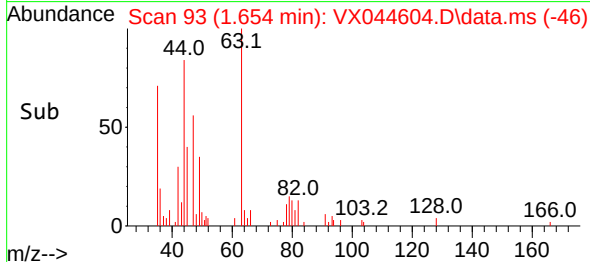
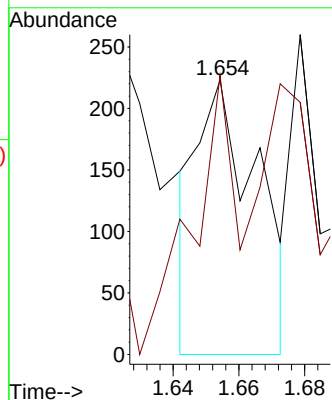


#6
Chloroethane
Concen: 0.212 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

Instrument :
MSVOA_X
ClientSampleId :

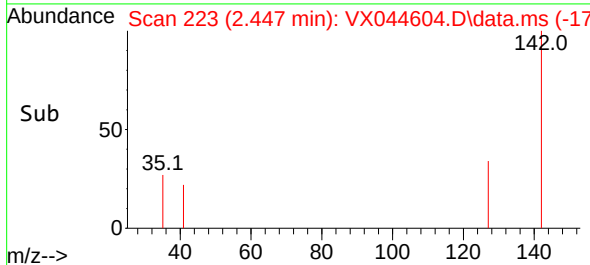
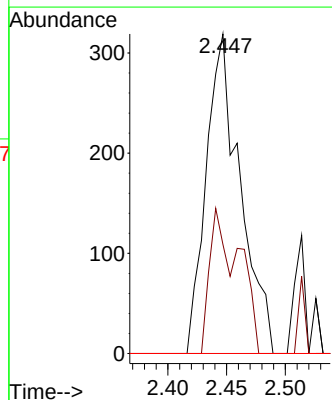
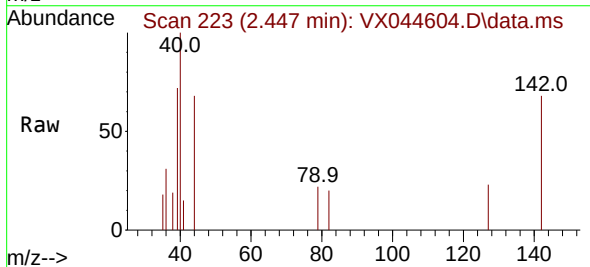


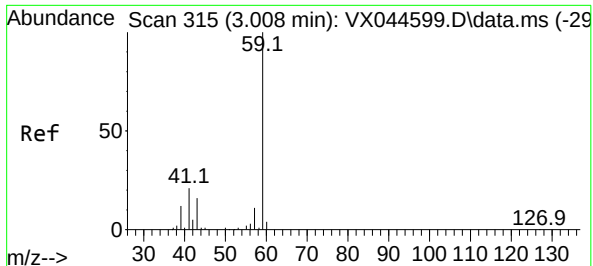
Tgt Ion: 64 Resp: 285
Ion Ratio Lower Upper
64 100
66 88.6 27.3 40.9#



#10
Methyl Iodide
Concen: 0.229 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

Tgt Ion: 142 Resp: 641
Ion Ratio Lower Upper
142 100
127 23.6 41.9 62.9#
141 0.0 11.8 17.6#





#11

Tert butyl alcohol

Concen: 0.360 ug/l

RT: 2.995 min Scan# 315

Delta R.T. -0.012 min

Lab File: VX044604.D

Acq: 07 Jan 2025 16:06

Instrument :

MSVOA_X

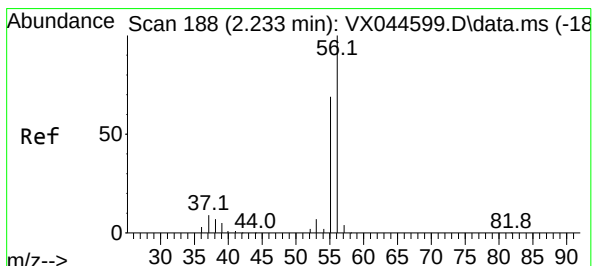
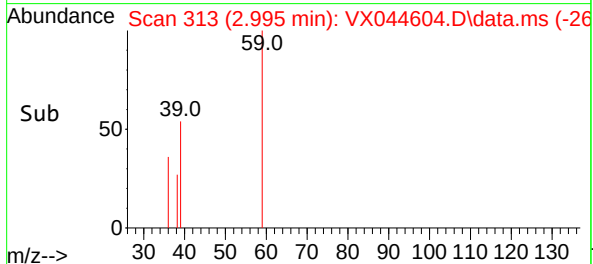
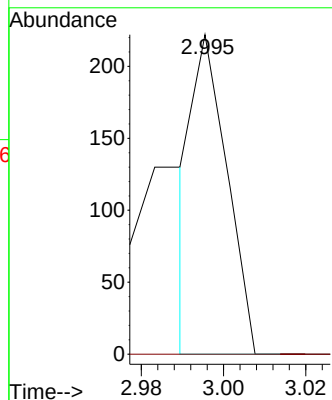
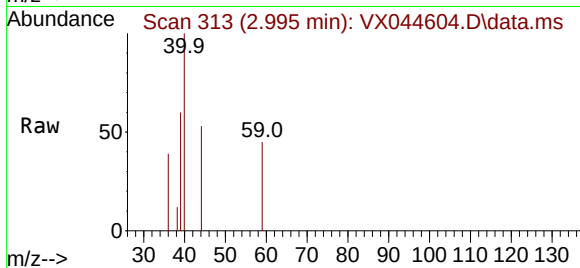
ClientSampleId :

Tgt Ion: 59 Resp: 124

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 0.446 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX044604.D

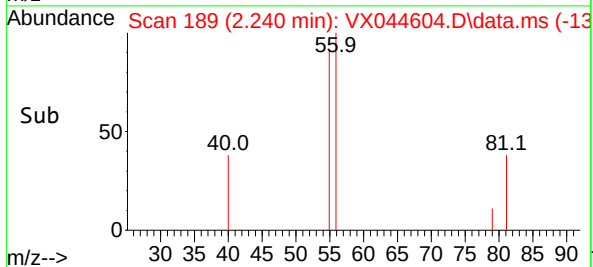
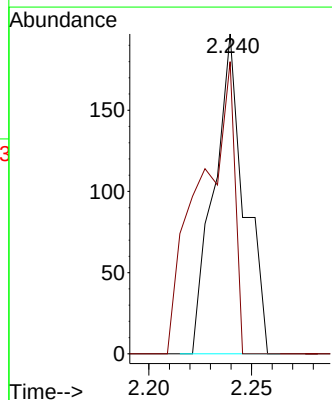
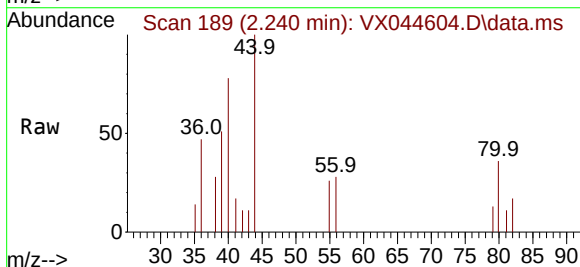
Acq: 07 Jan 2025 16:06

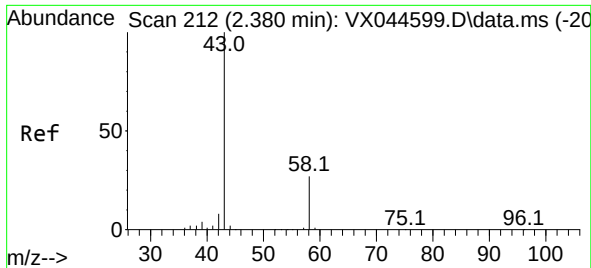
Tgt Ion: 56 Resp: 203

Ion Ratio Lower Upper

56 100

55 102.5 55.8 83.8#

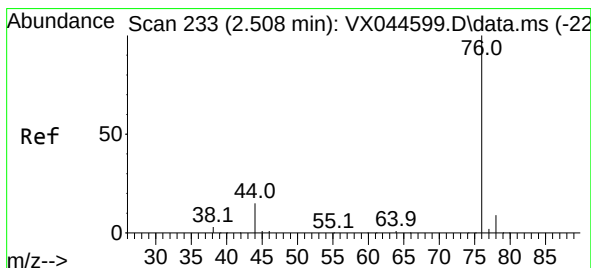
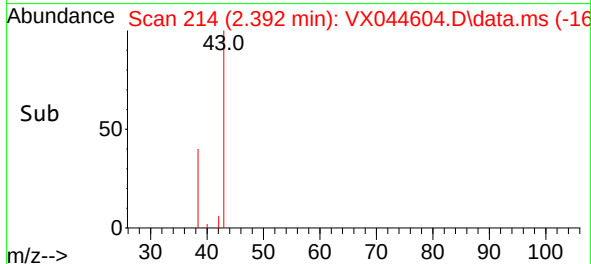
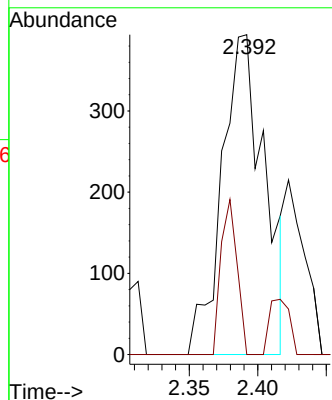
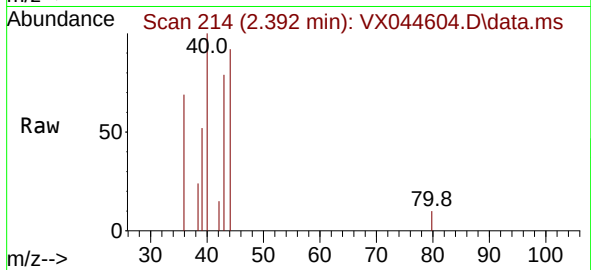




#16
Acetone
Concen: 0.964 ug/l
RT: 2.392 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

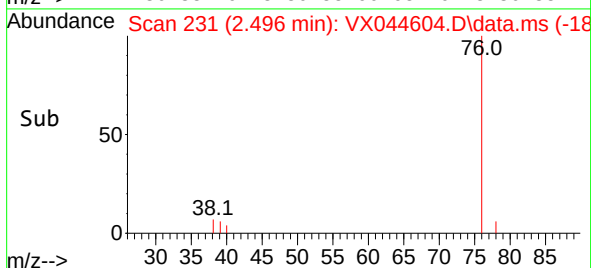
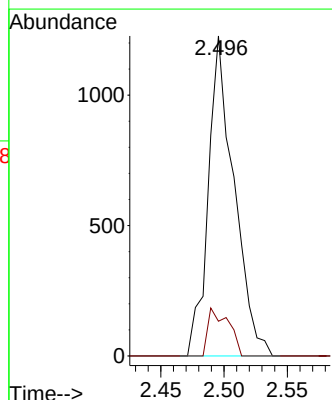
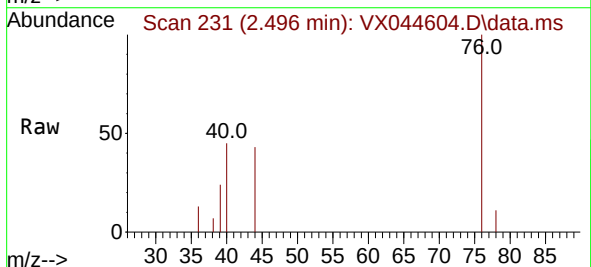
Instrument :
MSVOA_X
ClientSampleId :

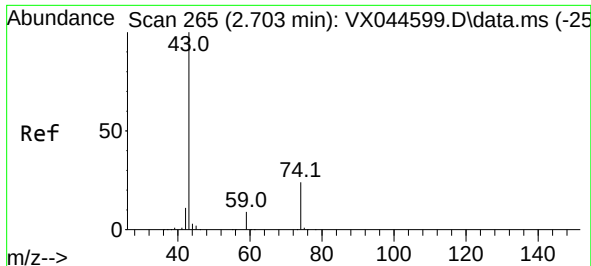
Tgt Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#17
Carbon Disulfide
Concen: 0.434 ug/l
RT: 2.496 min Scan# 231
Delta R.T. -0.012 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

Tgt Ion: 76 Resp: 1741
Ion Ratio Lower Upper
76 100
78 10.8 7.1 10.7#

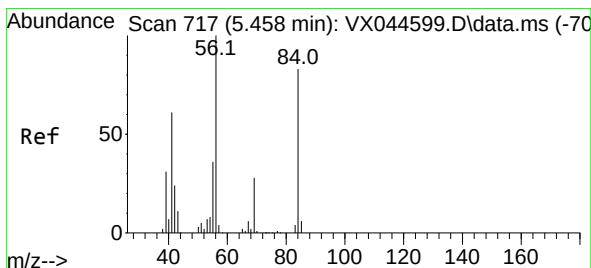
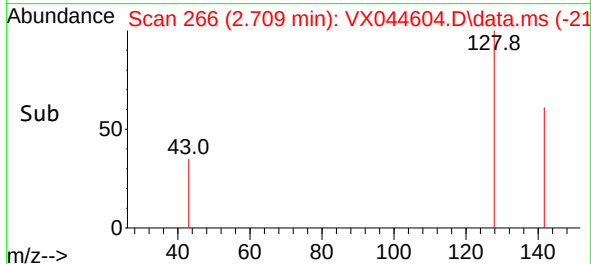
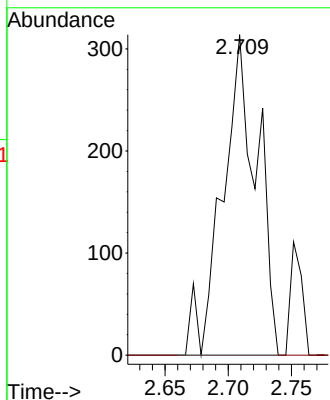
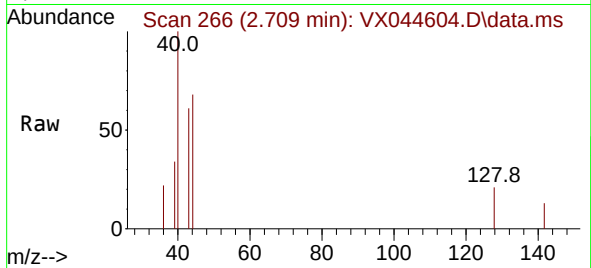




#18
Methyl Acetate
Concen: 0.231 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

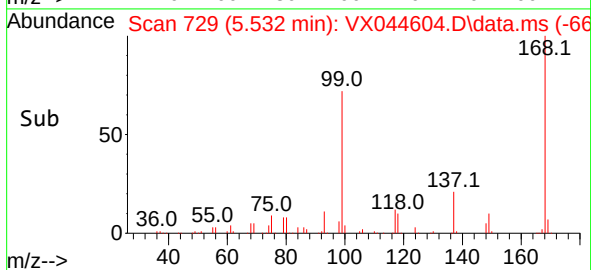
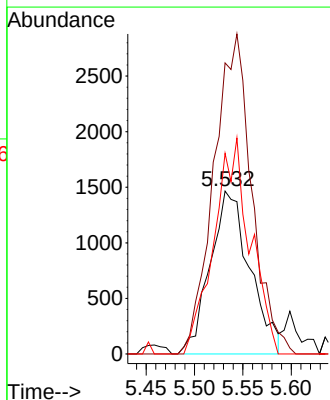
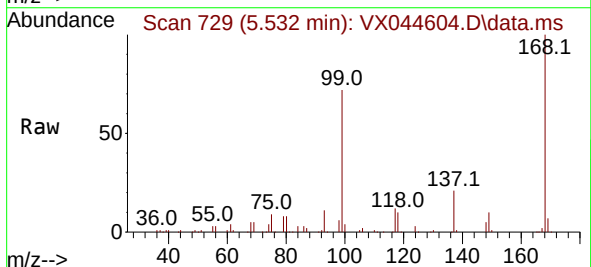
Instrument :
MSVOA_X
ClientSampleId :

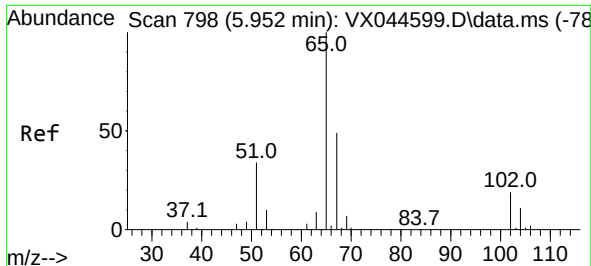
Tgt Ion: 43 Resp: 601
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#31
Cyclohexane
Concen: 1.319 ug/l
RT: 5.532 min Scan# 729
Delta R.T. 0.073 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

Tgt Ion: 56 Resp: 4189
Ion Ratio Lower Upper
56 100
69 178.6 22.2 33.4#
84 123.2 66.6 100.0#





#33

1,2-Dichloroethane-d4

Concen: 50.634 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044604.D

Acq: 07 Jan 2025 16:06

Instrument :

MSVOA_X

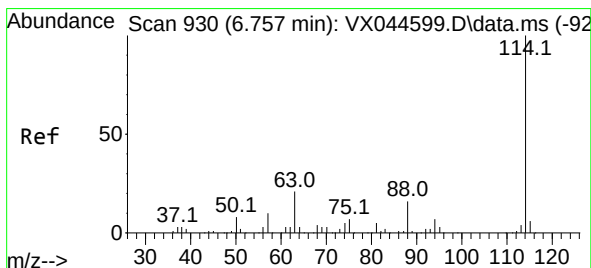
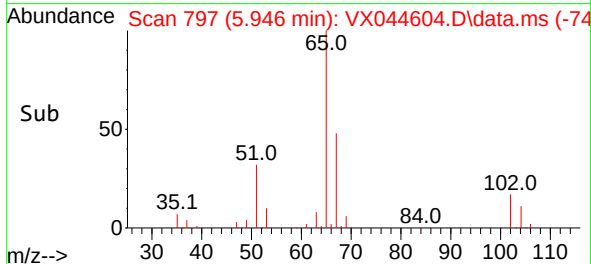
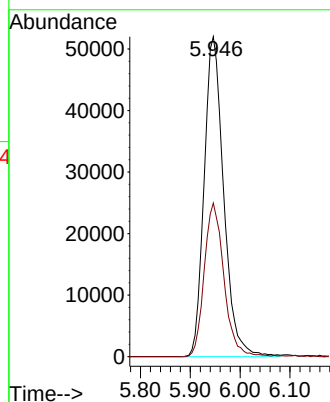
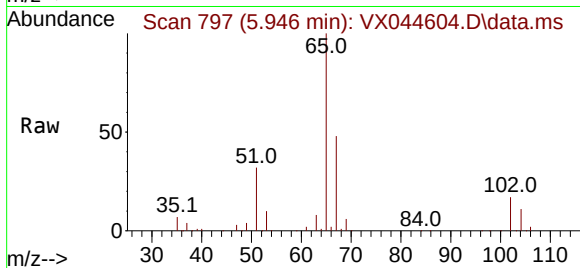
ClientSampleId :

Tgt Ion: 65 Resp: 141681

Ion Ratio Lower Upper

65 100

67 48.2 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044604.D

Acq: 07 Jan 2025 16:06

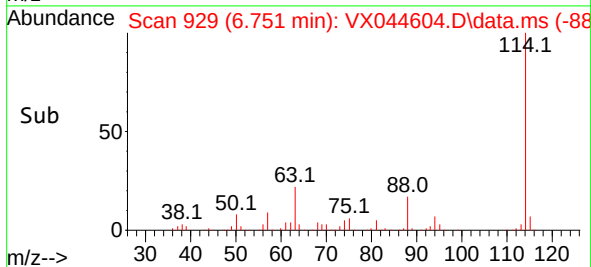
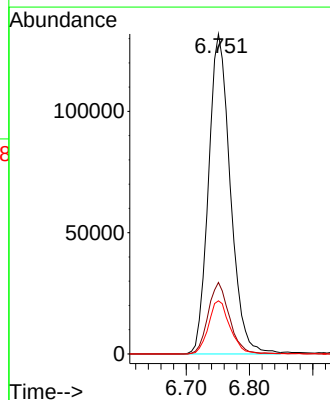
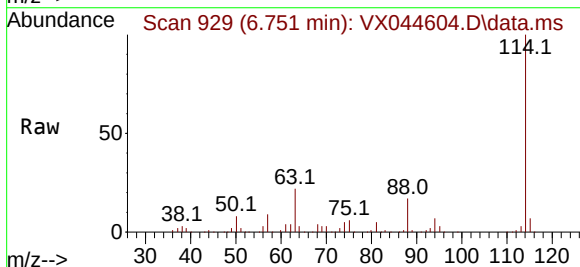
Tgt Ion: 114 Resp: 316021

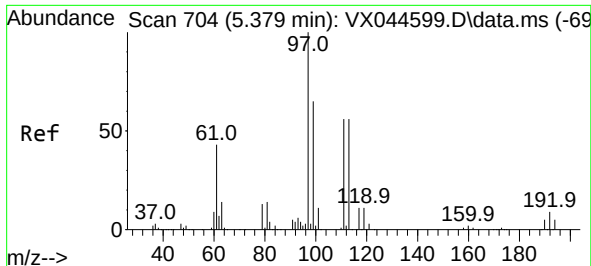
Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.6

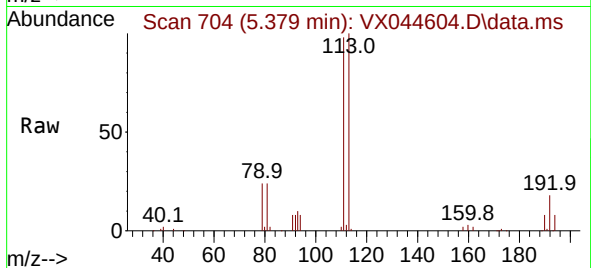
88 16.6 0.0 32.6



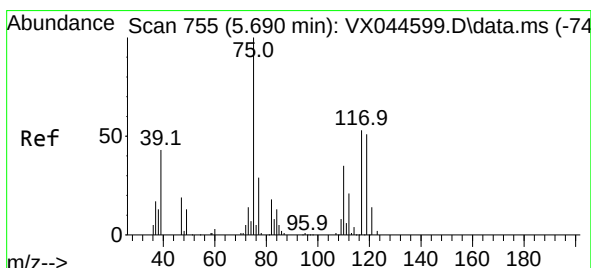
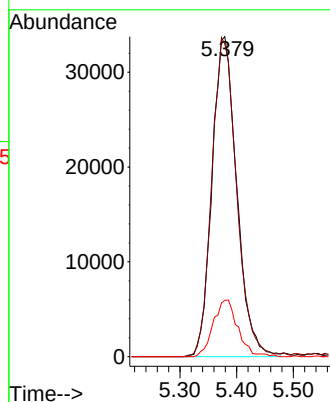
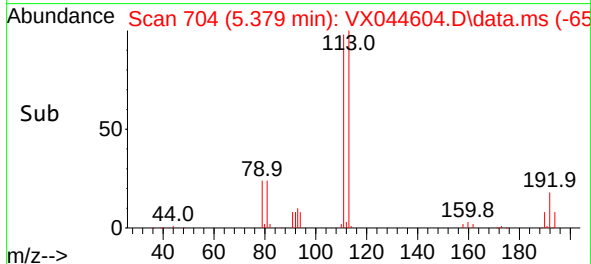


#35
Dibromofluoromethane
Concen: 47.079 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

Instrument :
MSVOA_X
ClientSampleId :

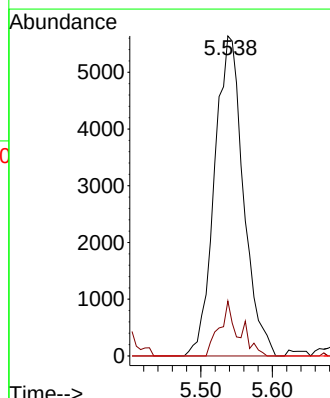
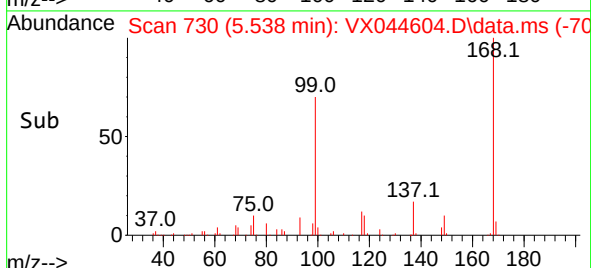
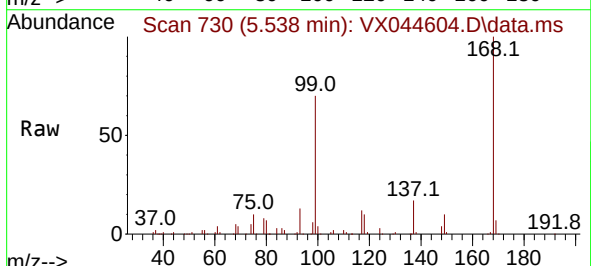


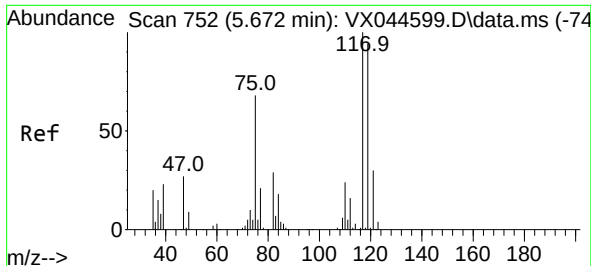
Tgt Ion:113 Resp: 102020
Ion Ratio Lower Upper
113 100
111 99.7 83.3 124.9
192 17.7 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.647 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.152 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

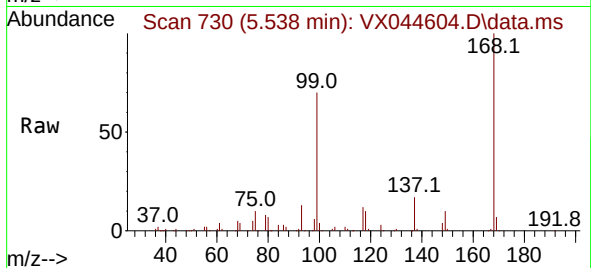
Tgt Ion: 75 Resp: 15824
Ion Ratio Lower Upper
75 100
110 9.0 17.3 51.9#
77 0.0 24.7 37.1#



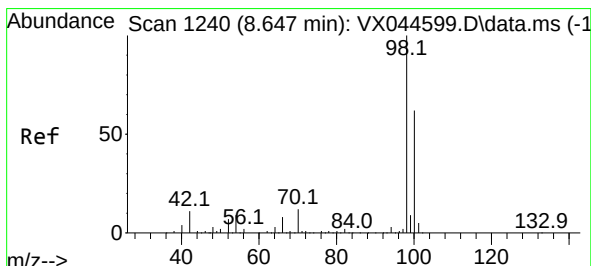
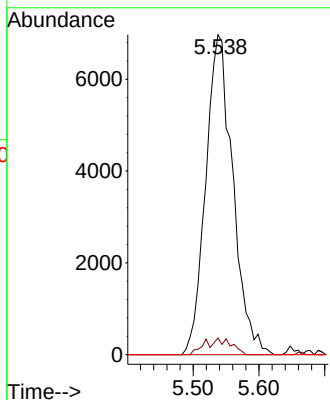
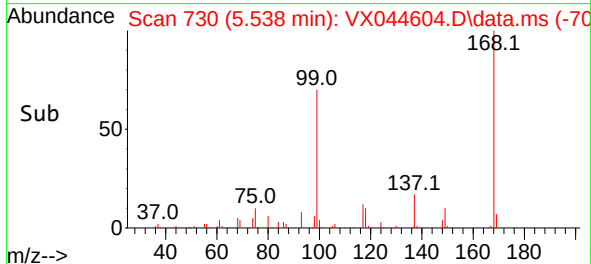


#38
Carbon Tetrachloride
Concen: 6.436 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

Instrument :
MSVOA_X
ClientSampleId :

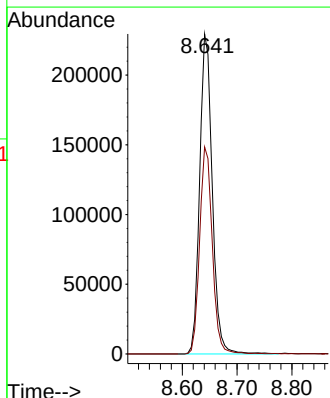
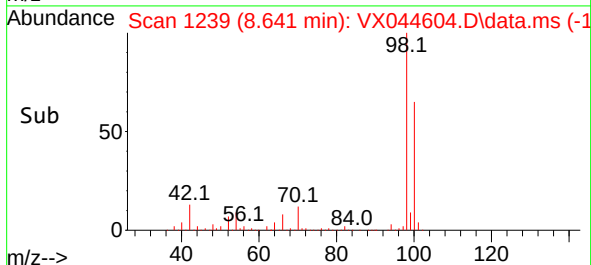
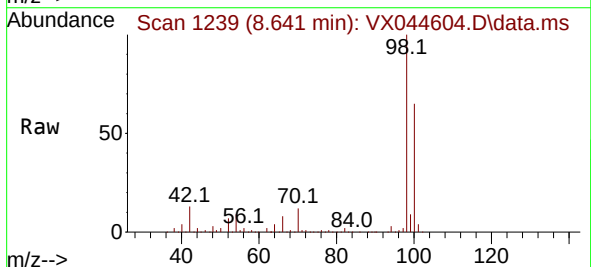


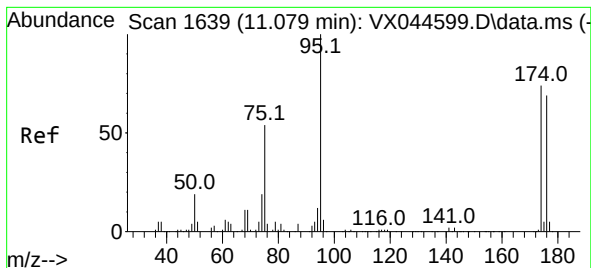
Tgt Ion:117 Resp: 20008
Ion Ratio Lower Upper
117 100
119 5.2 74.5 111.7#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 49.511 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

Tgt Ion: 98 Resp: 366480
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7

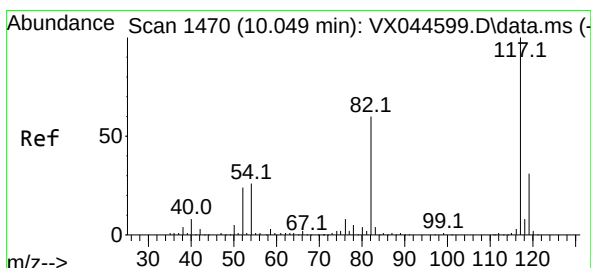
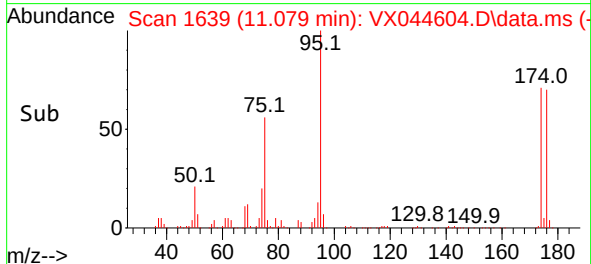
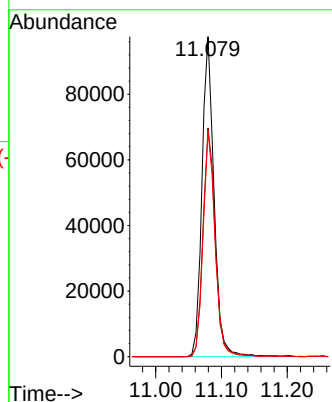
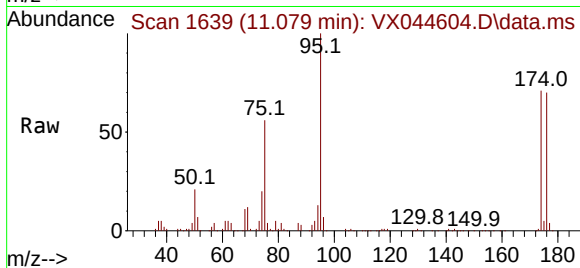




#62
4-Bromofluorobenzene
Concen: 47.647 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

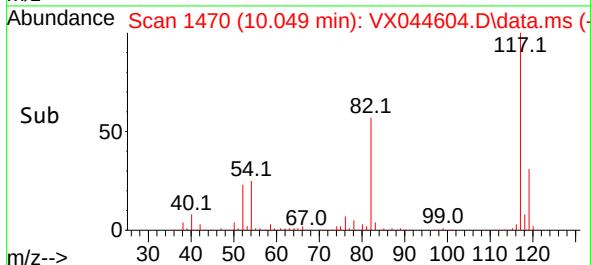
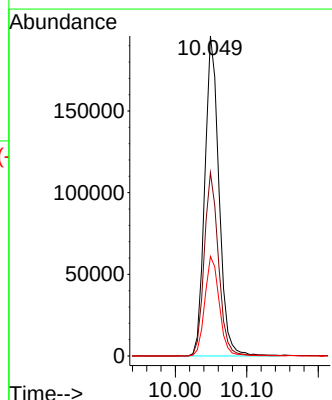
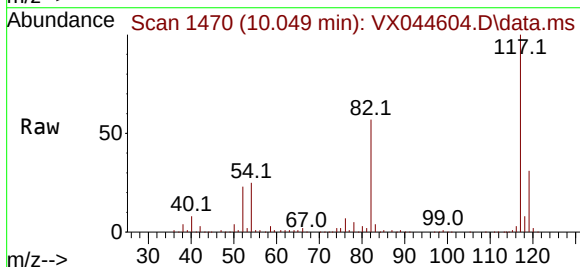
Instrument :
MSVOA_X
ClientSampleId :

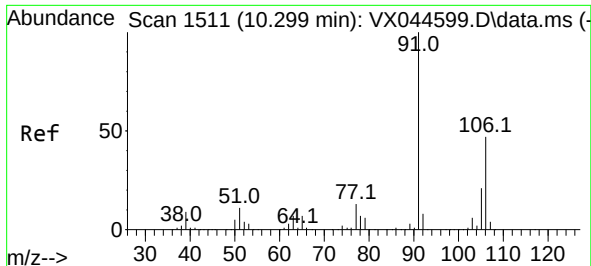
Tgt Ion: 95 Resp: 124484
Ion Ratio Lower Upper
95 100
174 72.5 0.0 148.8
176 69.9 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

Tgt Ion: 117 Resp: 270881
Ion Ratio Lower Upper
117 100
82 57.2 47.8 71.6
119 31.1 25.0 37.6

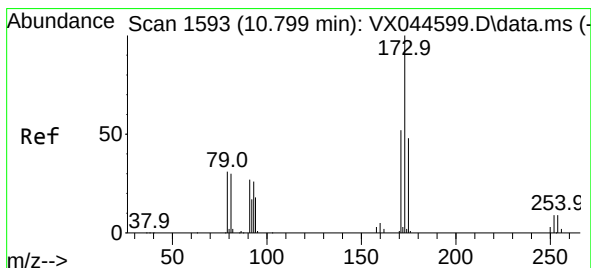
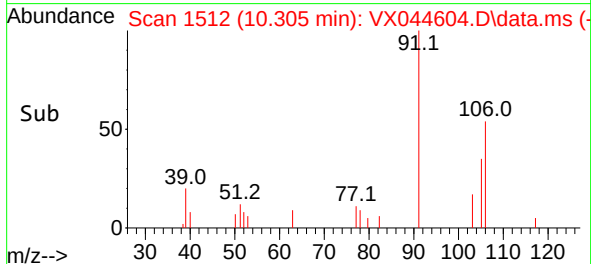
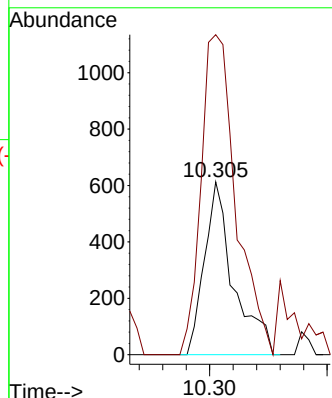
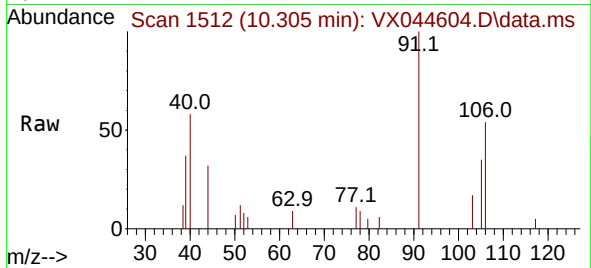




#68
m/p-Xylenes
Concen: 0.291 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

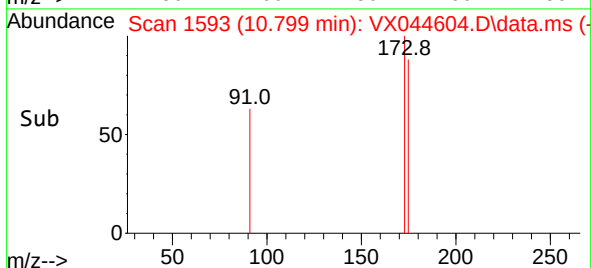
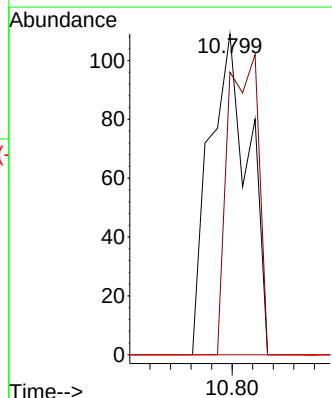
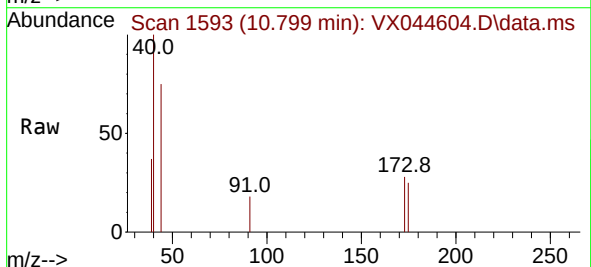
Instrument :
MSVOA_X
ClientSampleId :

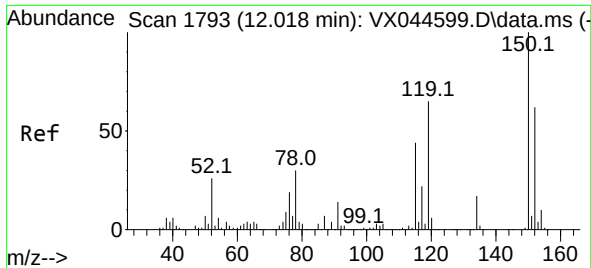
Tgt Ion:106 Resp: 1054
Ion Ratio Lower Upper
106 100
91 222.6 170.4 255.6



#71
Bromoform
Concen: 0.726 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

Tgt Ion:173 Resp: 145
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0

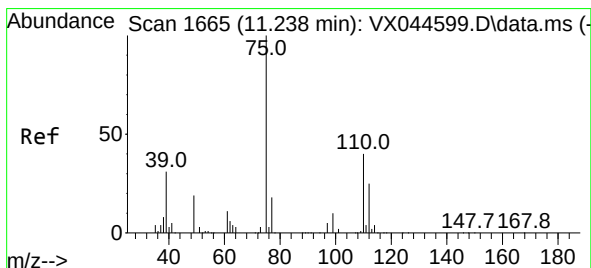
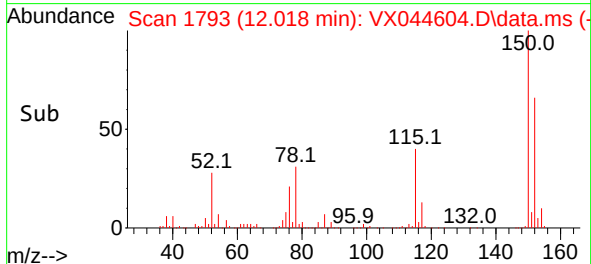
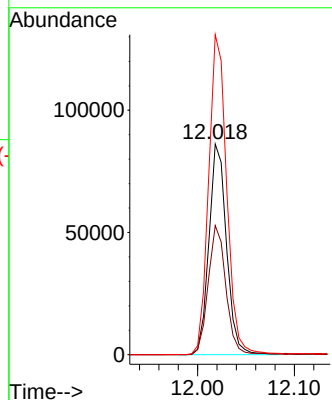
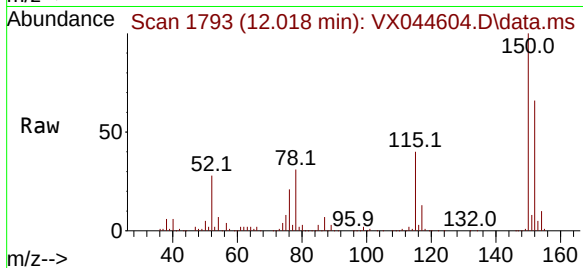




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX044604.D
 Acq: 07 Jan 2025 16:06

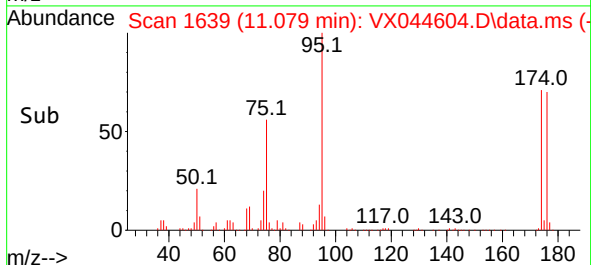
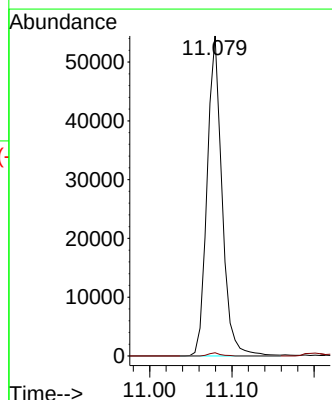
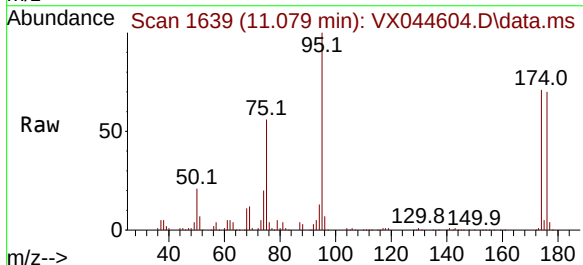
Instrument :
 MSVOA_X
 ClientSampleId :

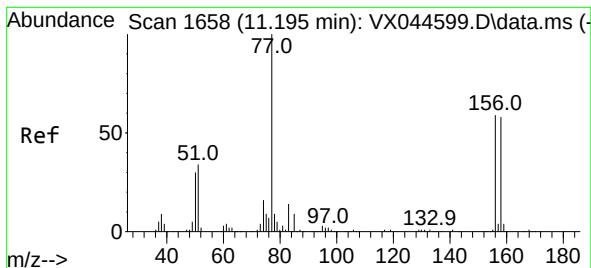
Tgt Ion:152 Resp: 109213
 Ion Ratio Lower Upper
 152 100
 115 62.0 44.4 133.1
 150 155.9 0.0 355.0



#76
 1,2,3-Trichloropropane
 Concen: 31.360 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX044604.D
 Acq: 07 Jan 2025 16:06

Tgt Ion: 75 Resp: 68656
 Ion Ratio Lower Upper
 75 100
 77 0.8 21.1 63.1#





#77

Bromobenzene

Concen: 0.201 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044604.D

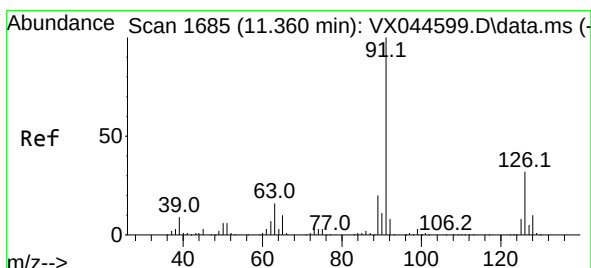
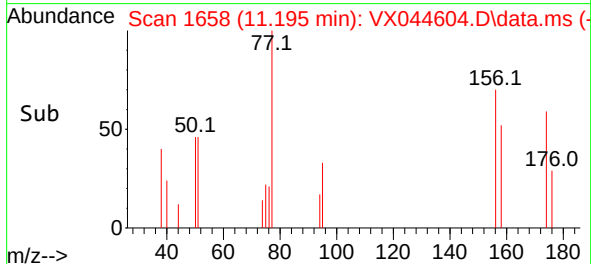
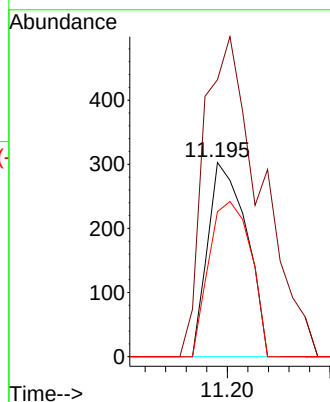
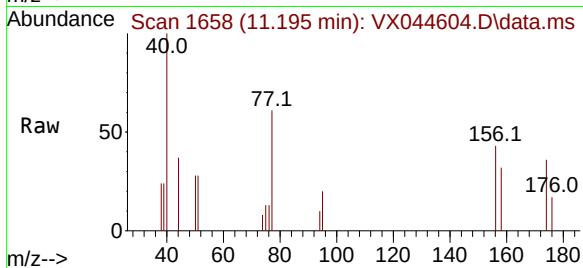
Acq: 07 Jan 2025 16:06

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	156	Resp:	396
Ion Ratio	Lower	Upper	
156	100		
77	242.4	85.7	257.1
158	86.6	49.9	149.6



#79

2-Chlorotoluene

Concen: 0.217 ug/l

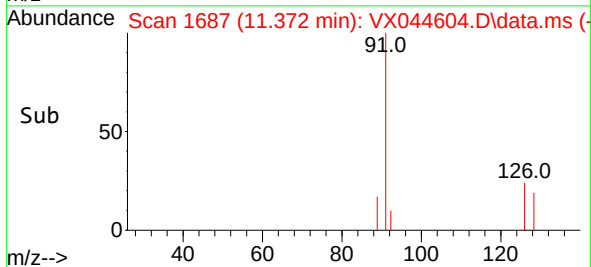
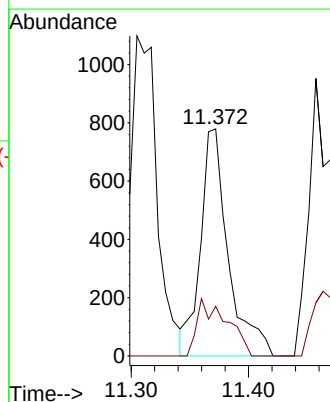
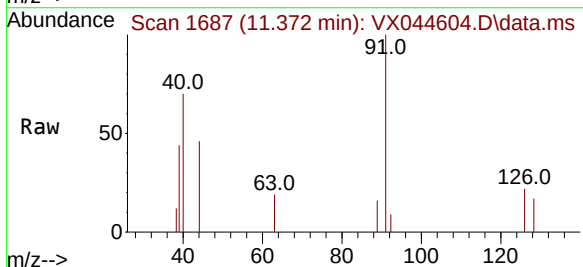
RT: 11.372 min Scan# 1687

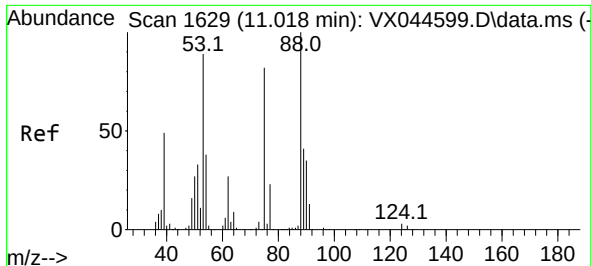
Delta R.T. 0.012 min

Lab File: VX044604.D

Acq: 07 Jan 2025 16:06

Tgt Ion:	91	Resp:	1282
Ion Ratio	Lower	Upper	
91	100		
126	27.1	16.4	49.2

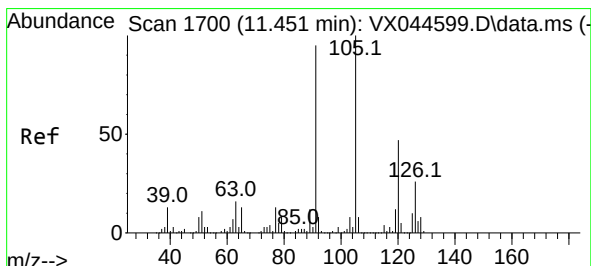
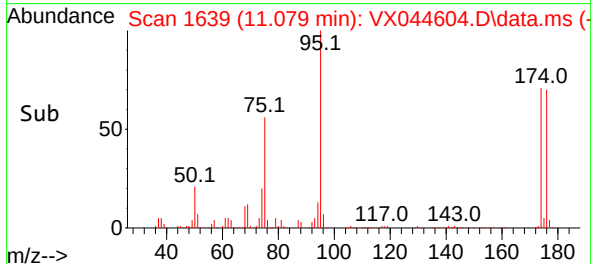
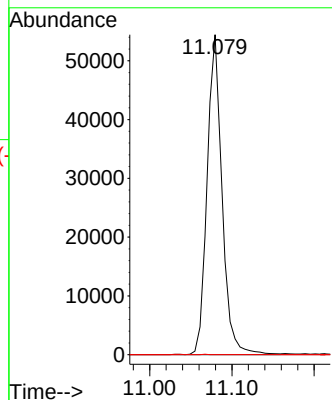
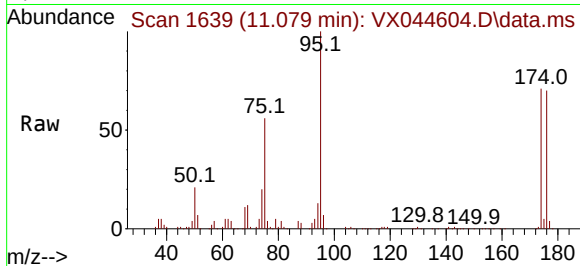




#81
trans-1,4-Dichloro-2-butene
Concen: 95.459 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

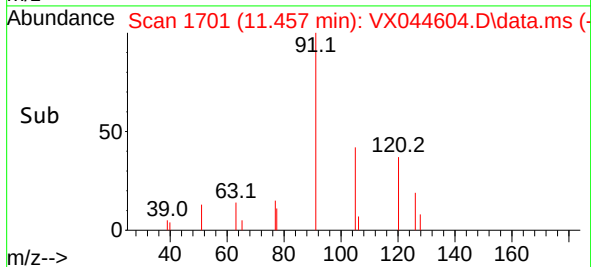
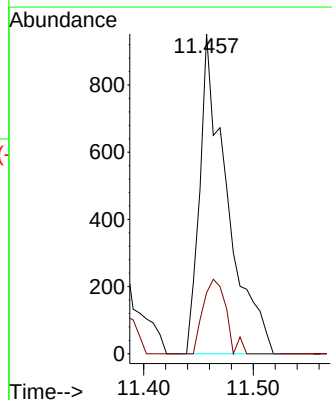
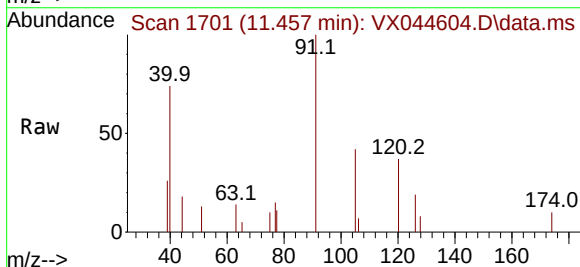
Instrument :
MSVOA_X
ClientSampleId :

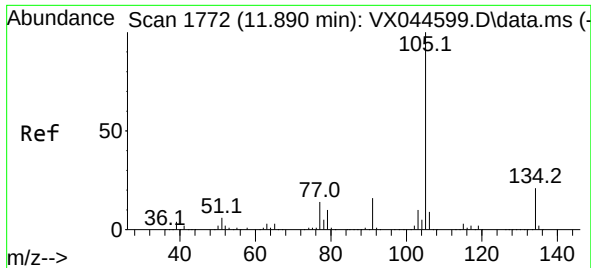
Tgt Ion: 75 Resp: 68656
Ion Ratio Lower Upper
75 100
53 0.0 92.7 139.1#
89 0.0 38.3 57.5#



#82
4-Chlorotoluene
Concen: 0.248 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

Tgt Ion: 91 Resp: 1647
Ion Ratio Lower Upper
91 100
126 19.7 14.0 42.0

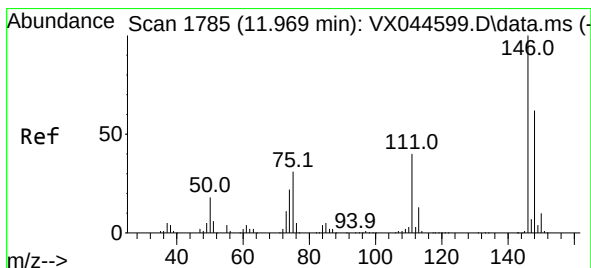
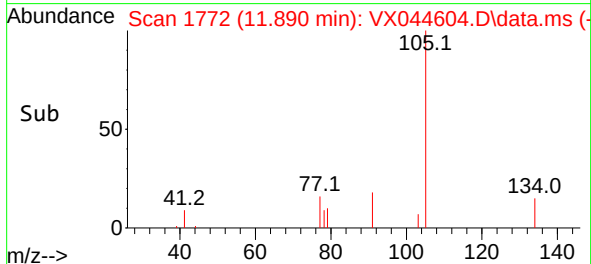
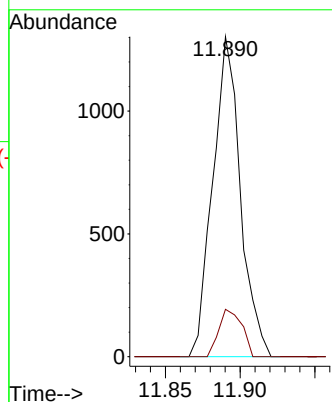
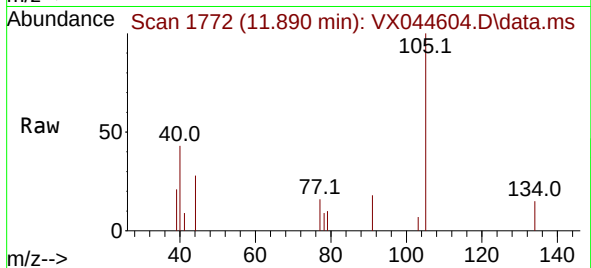




#85
 sec-Butylbenzene
 Concen: 0.206 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044604.D
 Acq: 07 Jan 2025 16:06

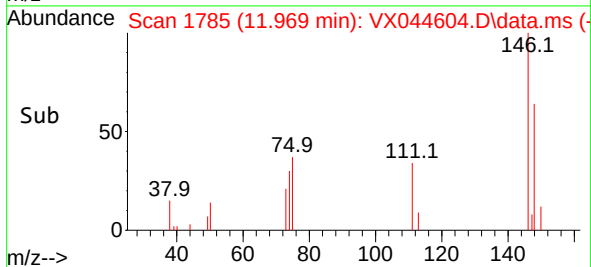
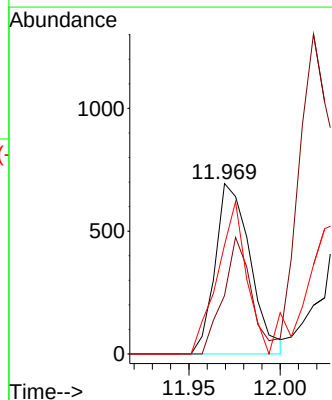
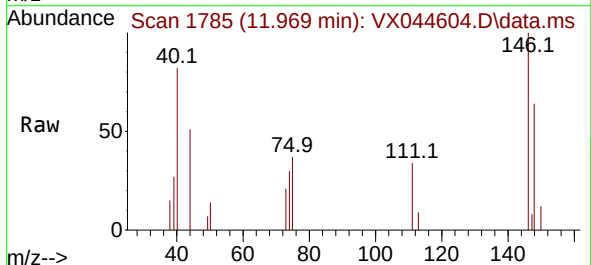
Instrument :
 MSVOA_X
 ClientSampleId :

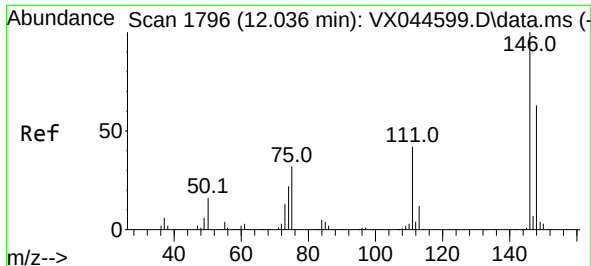
Tgt Ion:105 Resp: 1672
 Ion Ratio Lower Upper
 105 100
 134 12.3 9.9 29.7



#87
 1,3-Dichlorobenzene
 Concen: 0.261 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: VX044604.D
 Acq: 07 Jan 2025 16:06

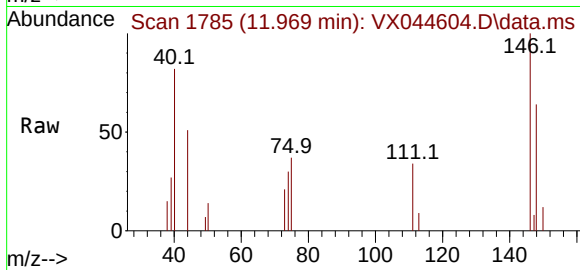
Tgt Ion:146 Resp: 927
 Ion Ratio Lower Upper
 146 100
 111 54.4 21.0 63.0
 148 74.0 31.6 95.0



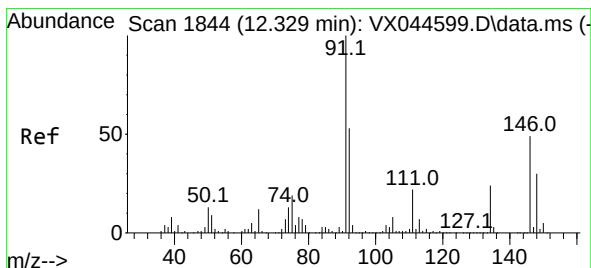
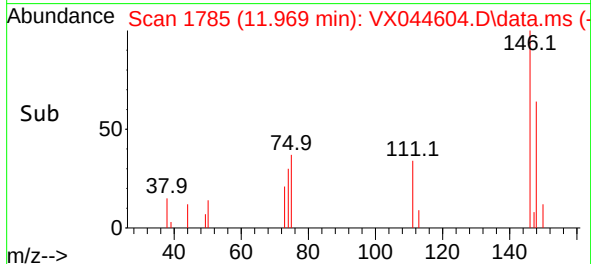
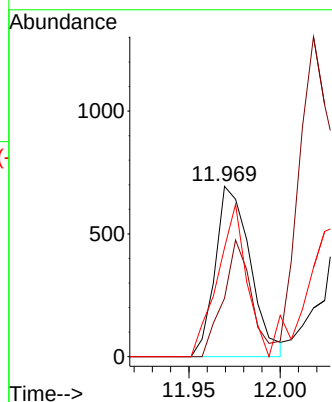


#88
1,4-Dichlorobenzene
Concen: 0.250 ug/l
RT: 11.969 min Scan# 1796
Delta R.T. -0.067 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

Instrument :
MSVOA_X
ClientSampleId :

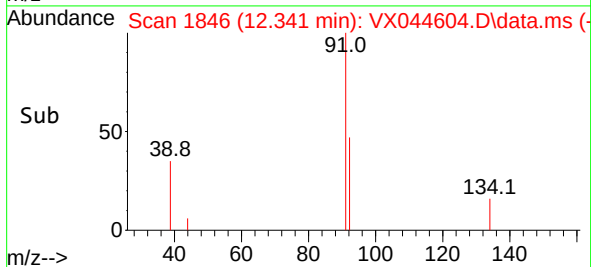
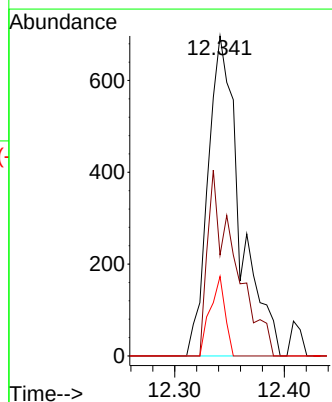
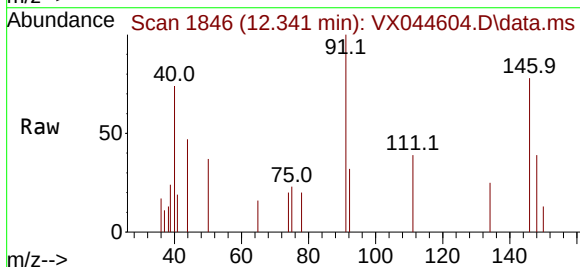


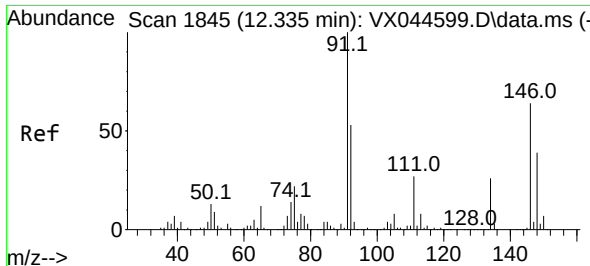
Tgt Ion:146 Resp: 927
Ion Ratio Lower Upper
146 100
111 54.4 20.7 62.1
148 74.0 31.8 95.4



#89
n-Butylbenzene
Concen: 0.245 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.012 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

Tgt Ion: 91 Resp: 1414
Ion Ratio Lower Upper
91 100
92 49.4 26.5 79.4
134 11.5 12.4 37.2#

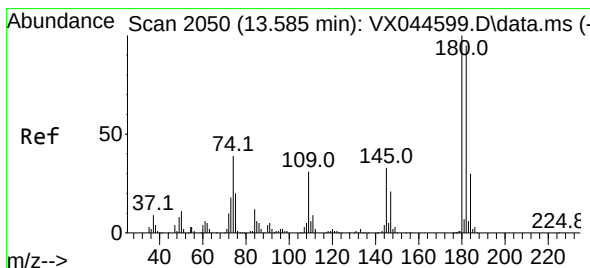
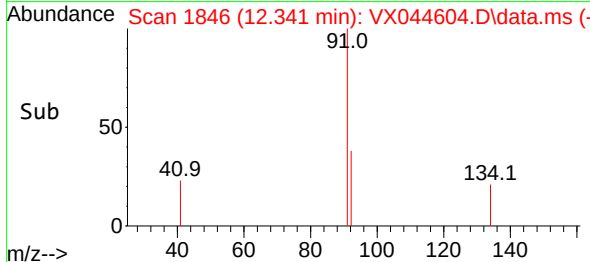
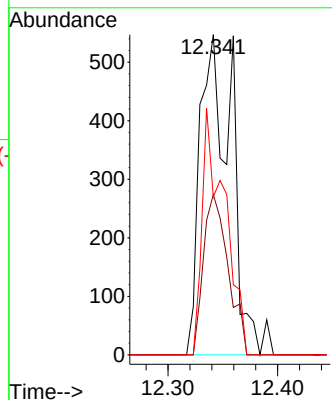
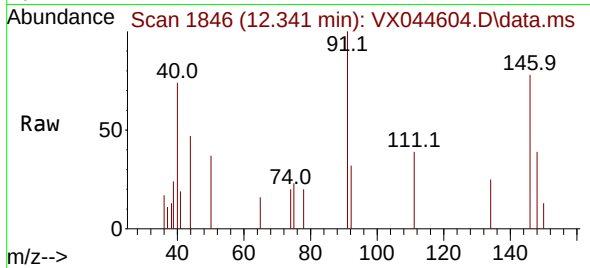




#91
 1,2-Dichlorobenzene
 Concen: 0.304 ug/l
 RT: 12.341 min Scan# 1845
 Delta R.T. 0.006 min
 Lab File: VX044604.D
 Acq: 07 Jan 2025 16:06

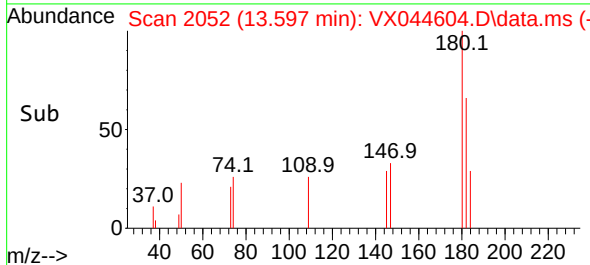
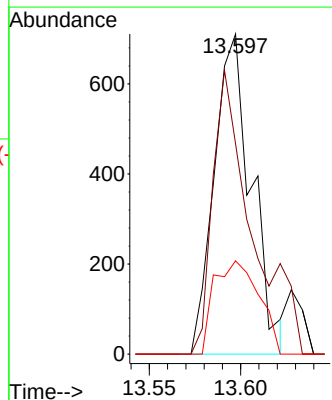
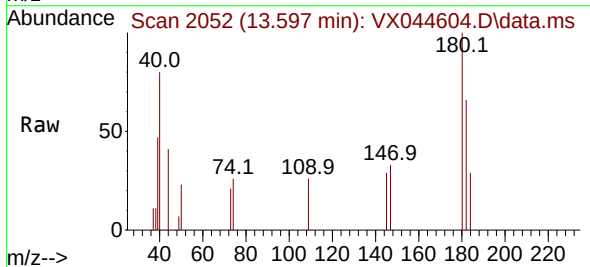
Instrument :
 MSVOA_X
 ClientSampleId :

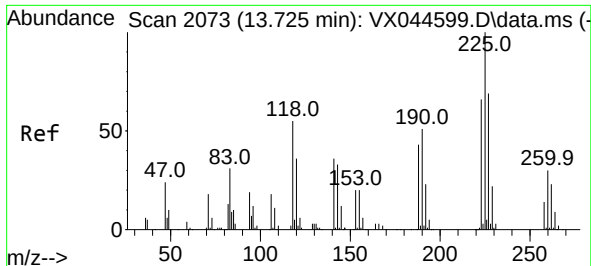
Tgt Ion:146	Resp:	1091
Ion Ratio	Lower	Upper
146	100	
111	39.2	21.8 65.4
148	55.0	31.1 93.3



#93
 1,2,4-Trichlorobenzene
 Concen: 0.477 ug/l
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.012 min
 Lab File: VX044604.D
 Acq: 07 Jan 2025 16:06

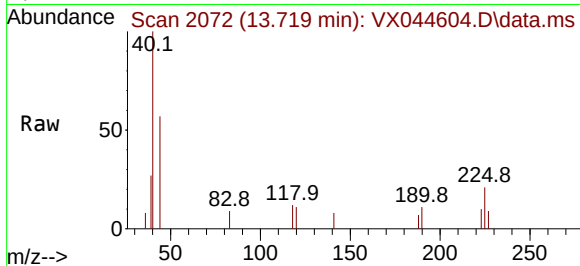
Tgt Ion:180	Resp:	1008
Ion Ratio	Lower	Upper
180	100	
182	93.2	47.9 143.6
145	35.0	16.3 48.9



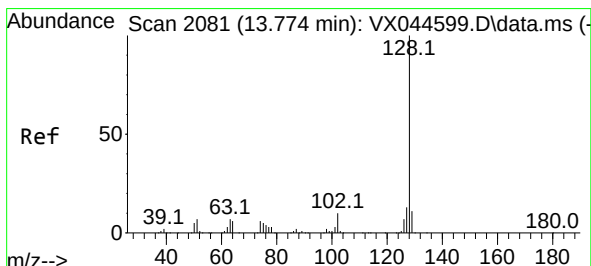
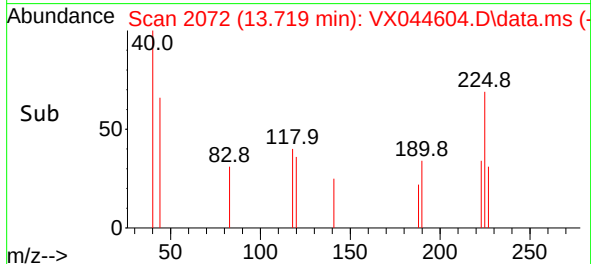
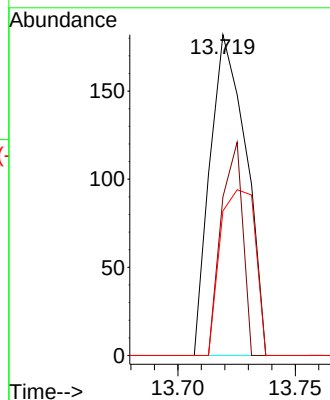


#94
Hexachlorobutadiene
Concen: 0.221 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

Instrument :
MSVOA_X
ClientSampleId :

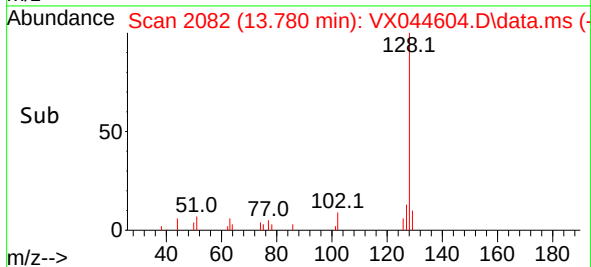
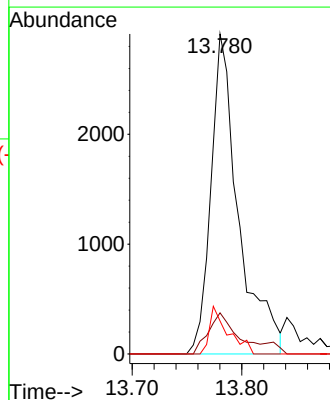
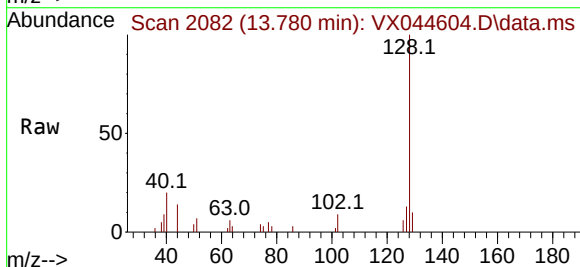


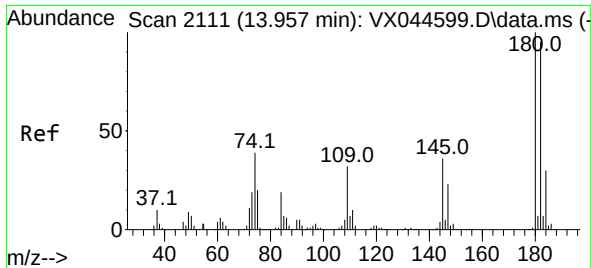
Tgt Ion:	225	Resp:	194
Ion Ratio	100	Lower	Upper
223	39.7	31.6	94.8
227	50.5	31.9	95.9



#95
Naphthalene
Concen: 0.748 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX044604.D
Acq: 07 Jan 2025 16:06

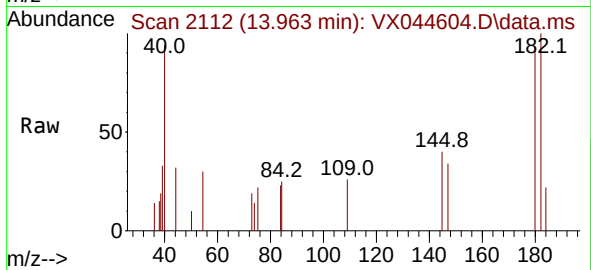
Tgt Ion:	128	Resp:	5099
Ion Ratio	100	Lower	Upper
127	15.3	10.5	15.7
129	10.0	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.529 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX044604.D
 Acq: 07 Jan 2025 16:06

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180	Resp:	1141
Ion	Ratio	Lower Upper
180	100	
182	95.6	47.6 142.9
145	27.4	17.6 52.9

