

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
 Data File : VX044937.D
 Acq On : 12 Feb 2025 16:44
 Operator : JC/MD
 Sample : Q1355-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 13 00:51:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	83265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	169774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	156232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67649	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67943	55.744	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.480%	
35) Dibromofluoromethane	5.379	113	55596	50.367	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.740%	
50) Toluene-d8	8.647	98	209257	50.134	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.260%	
62) 4-Bromofluorobenzene	11.079	95	76420	54.309	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.620%	

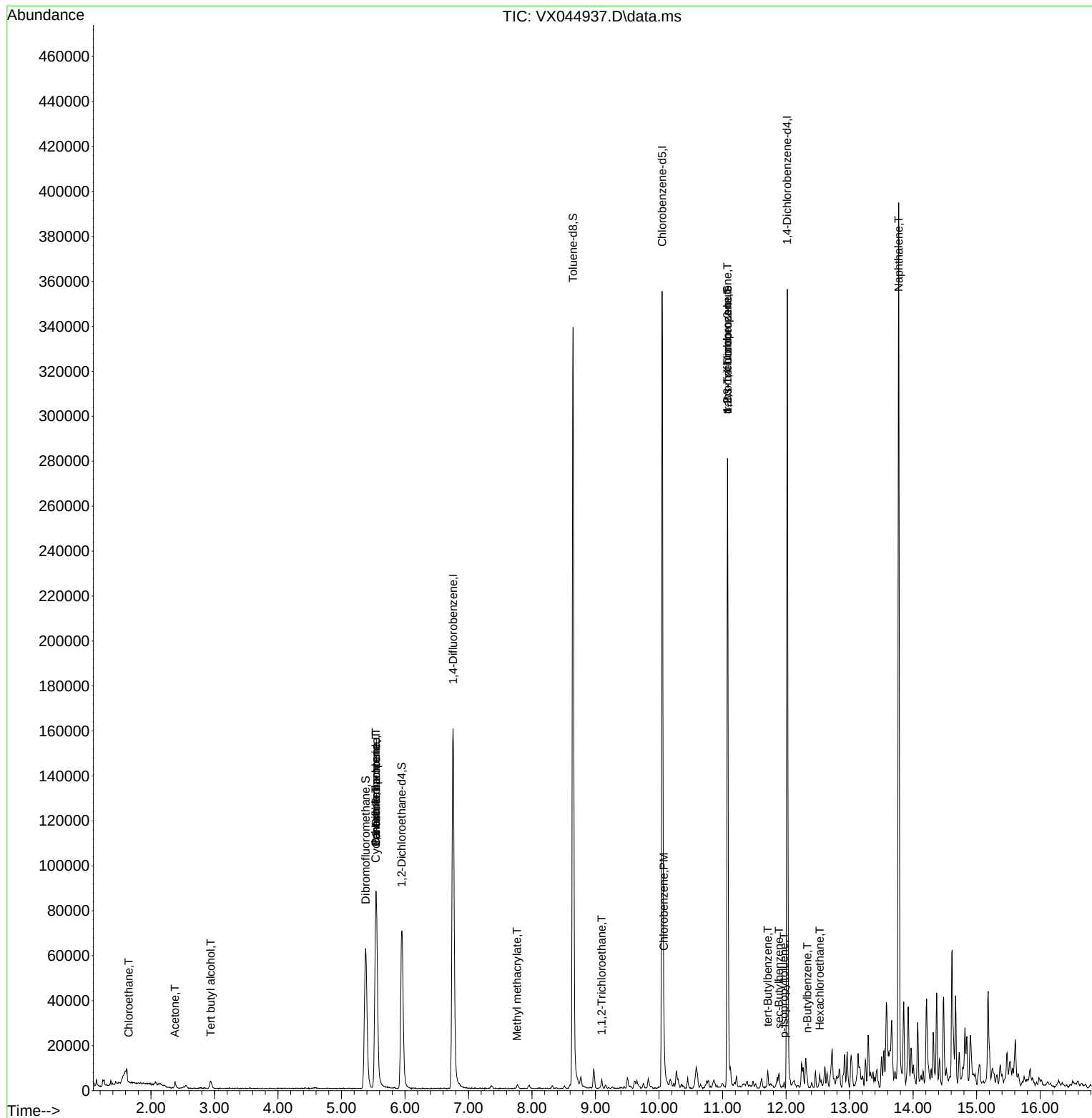
Target Compounds					Qvalue	
6) Chloroethane	1.648	64	739	2.451	ug/l #	42
11) Tert butyl alcohol	2.940	59	2227	9.849	ug/l #	73
16) Acetone	2.380	43	2678	5.465	ug/l	91
31) Cyclohexane	5.538	56	2186	1.155	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	7386	4.638	ug/l #	46
38) Carbon Tetrachloride	5.544	117	8807	5.643	ug/l #	16
48) Methyl methacrylate	7.763	41	419	0.311	ug/l #	14
55) 1,1,2-Trichloroethane	9.098	97	1234	1.084	ug/l #	17
65) Chlorobenzene	10.073	112	5587	1.665	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	39190	26.129	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	39190	67.213	ug/l #	11
83) tert-Butylbenzene	11.713	119	2786	0.623	ug/l	93
85) sec-Butylbenzene	11.890	105	3127	0.565	ug/l	94
86) p-Isopropyltoluene	11.969	119	1050	0.236	ug/l	96
89) n-Butylbenzene	12.335	91	1419	0.360	ug/l #	62
90) Hexachloroethane	12.530	117	279	0.335	ug/l #	18
95) Naphthalene	13.774	128	231414	47.401	ug/l	100

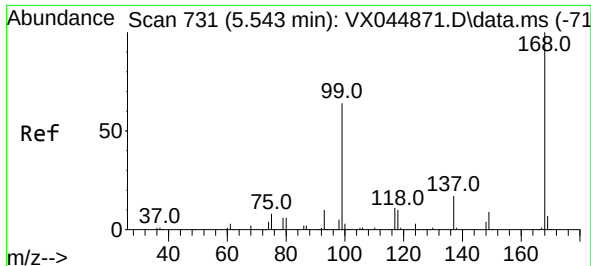
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
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Quant Time: Feb 13 00:51:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

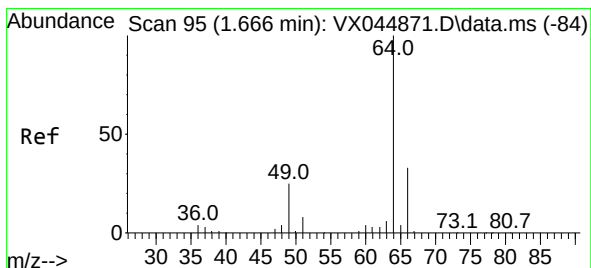
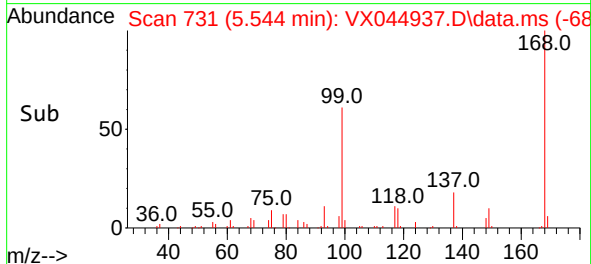
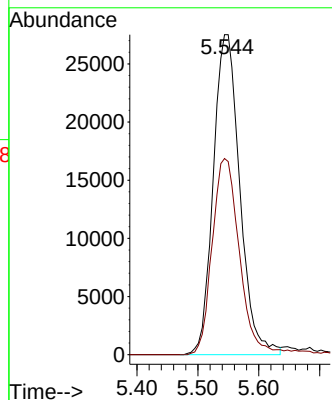
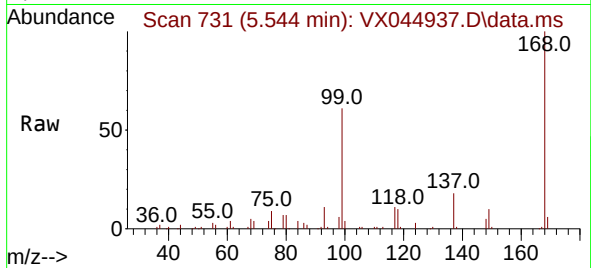




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

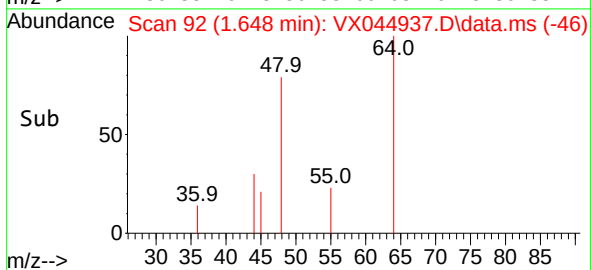
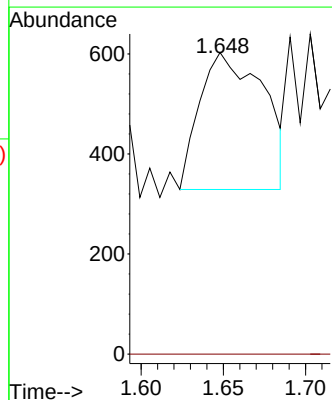
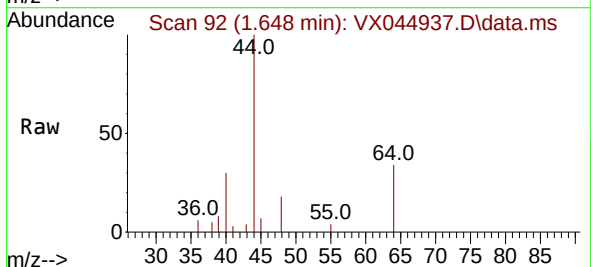
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MSVOA_X
ClientSampleId :

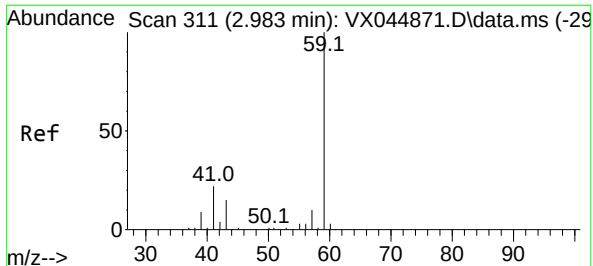
Tgt Ion:168 Resp: 83265
Ion Ratio Lower Upper
168 100
99 61.3 51.2 76.8



#6
Chloroethane
Concen: 2.451 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion: 64 Resp: 739
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

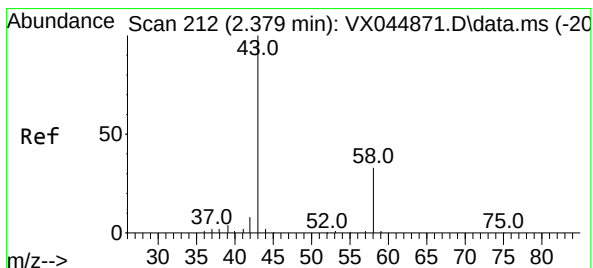
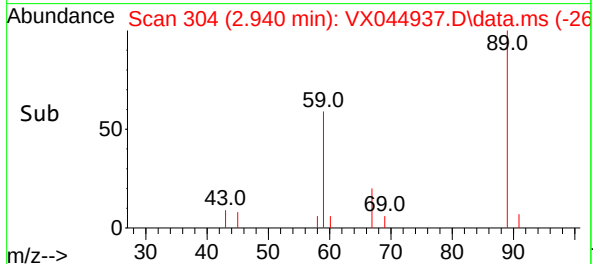
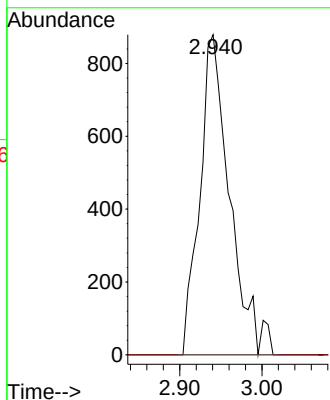
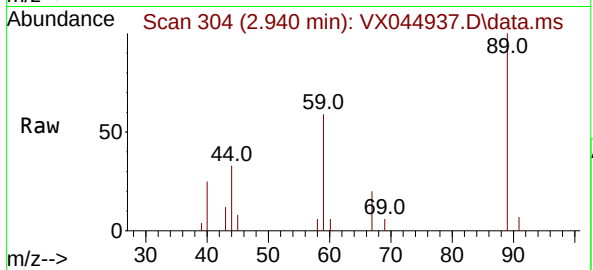




#11
Tert butyl alcohol
Concen: 9.849 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.042 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

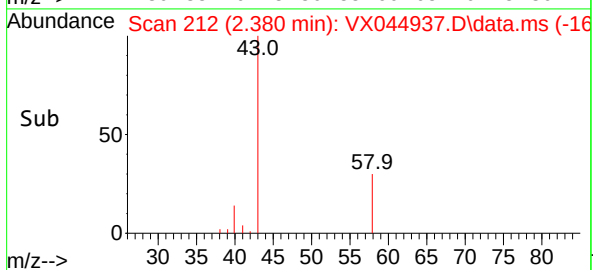
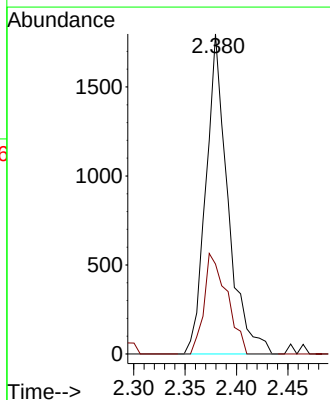
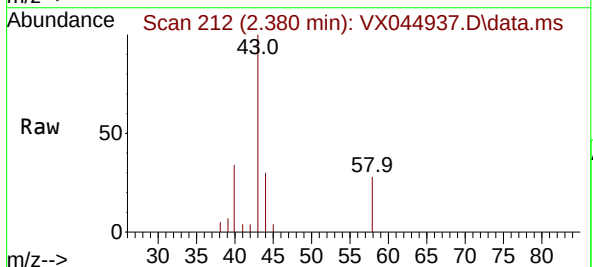
Instrument :
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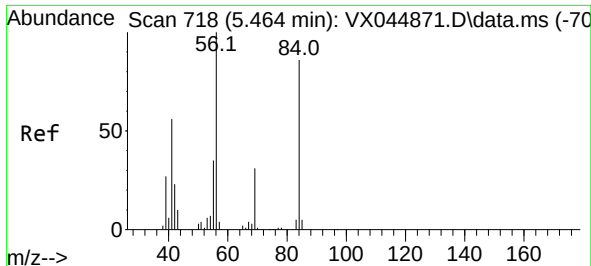
Tgt Ion: 59 Resp: 2227
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 5.465 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

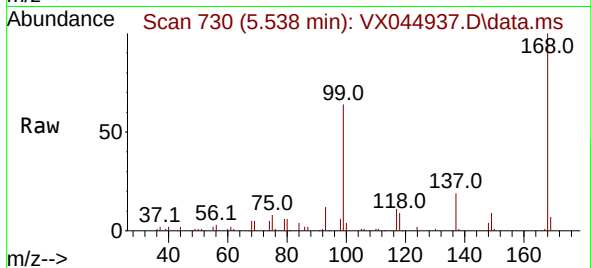
Tgt Ion: 43 Resp: 2678
Ion Ratio Lower Upper
43 100
58 28.1 26.5 39.7



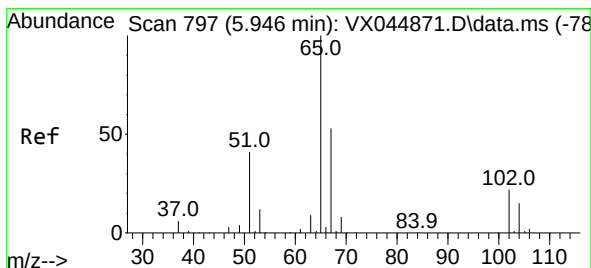
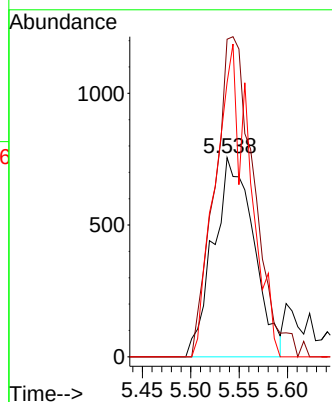
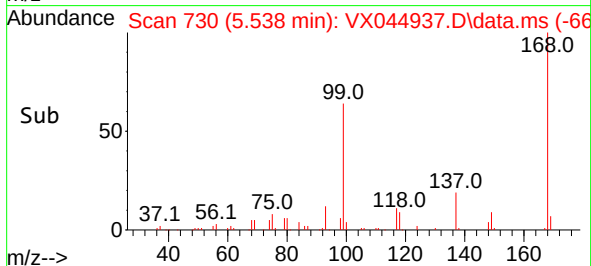


#31
Cyclohexane
Concen: 1.155 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :

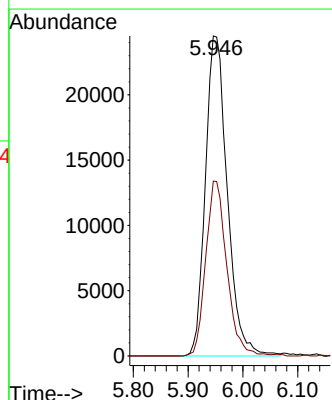
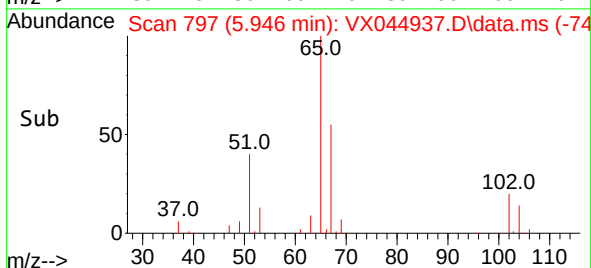
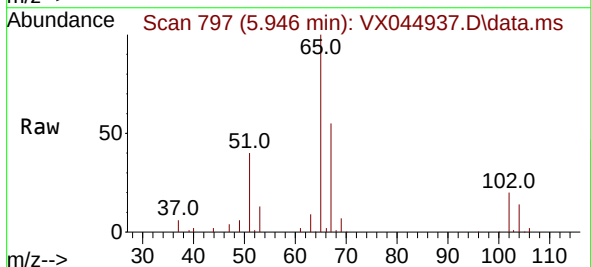


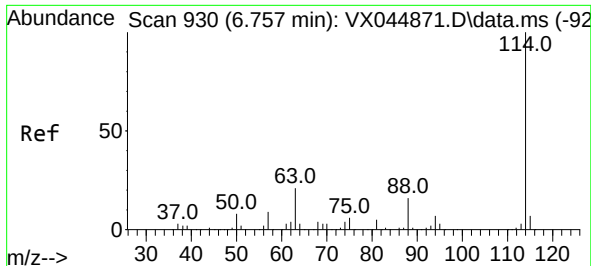
Tgt Ion: 56 Resp: 2186
Ion Ratio Lower Upper
56 100
69 159.4 24.4 36.6#
84 137.7 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 55.744 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion: 65 Resp: 67943
Ion Ratio Lower Upper
65 100
67 52.6 0.0 108.2

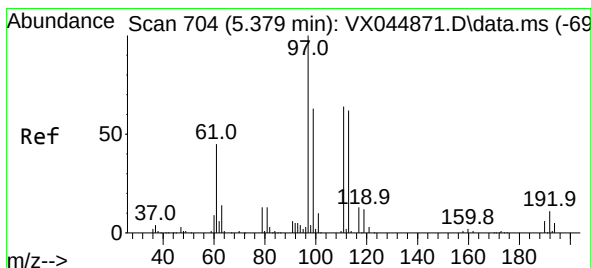
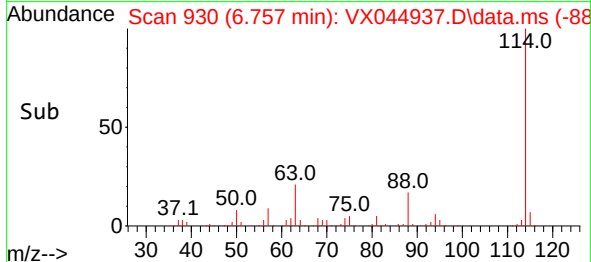
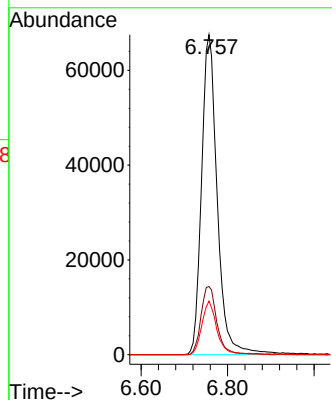
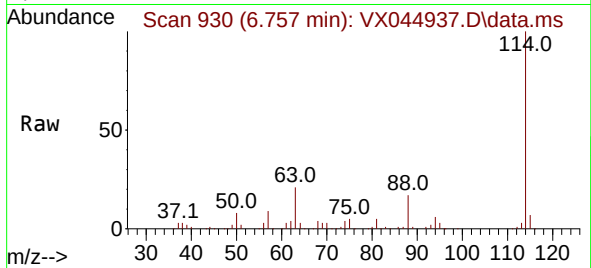




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX044937.D
 Acq: 12 Feb 2025 16:44

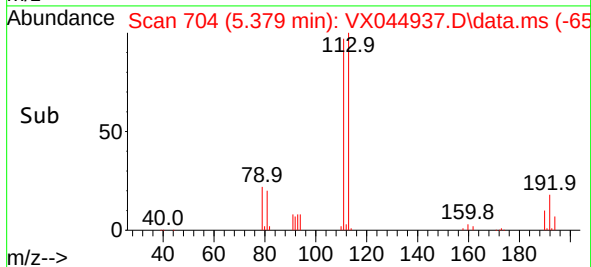
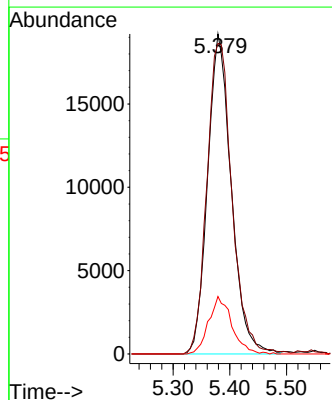
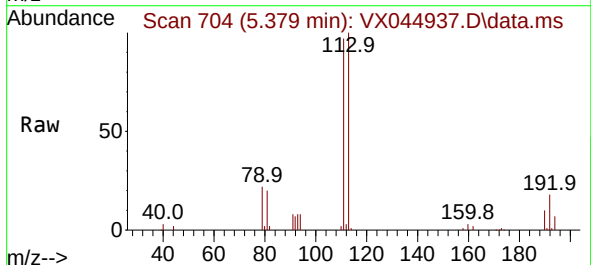
Instrument :
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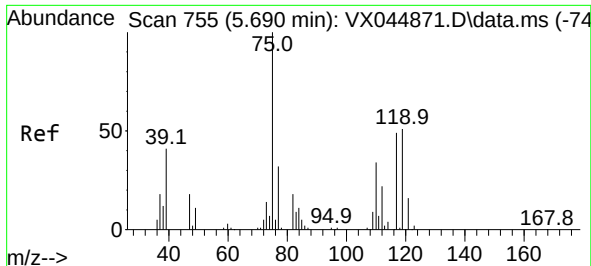
Tgt Ion:114 Resp: 169774
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.4
 88 16.8 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 50.367 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX044937.D
 Acq: 12 Feb 2025 16:44

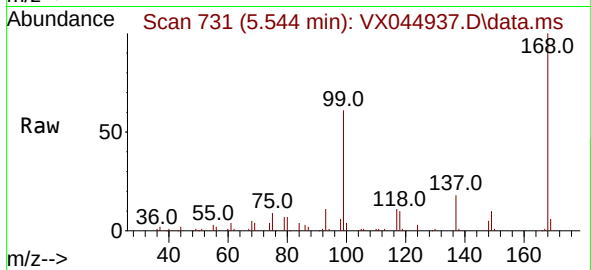
Tgt Ion:113 Resp: 55596
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.5 125.3
 192 17.6 14.4 21.6



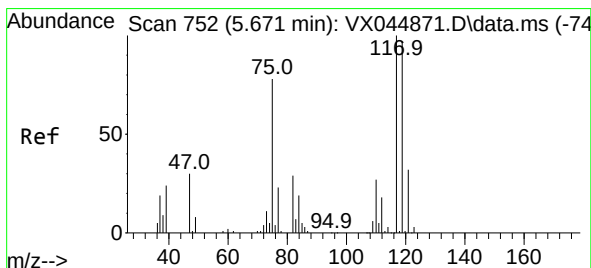
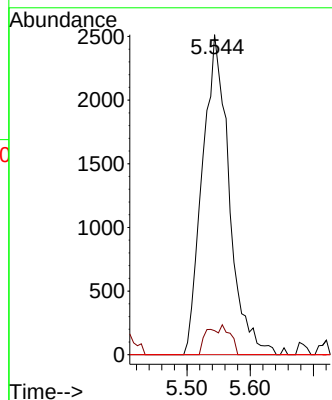
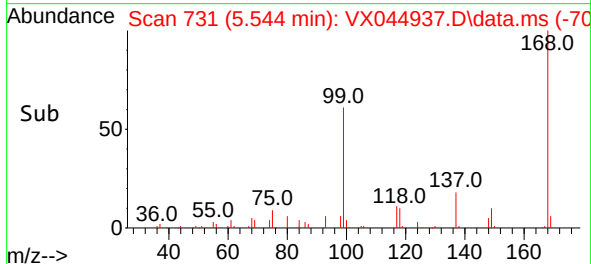


#36
1,1-Dichloropropene
Concen: 4.638 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :

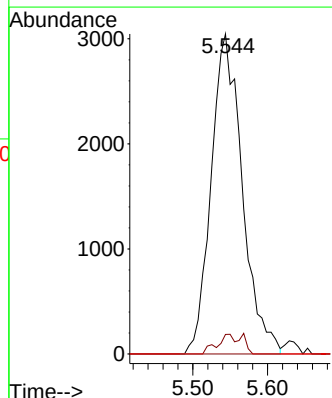
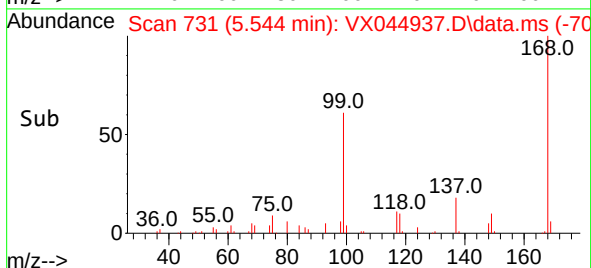
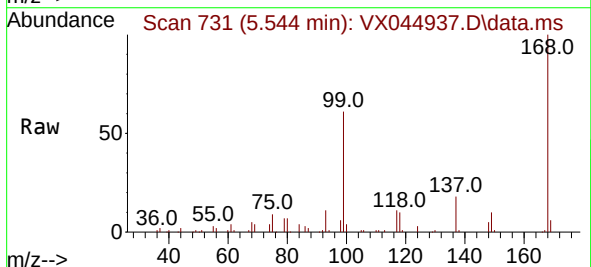


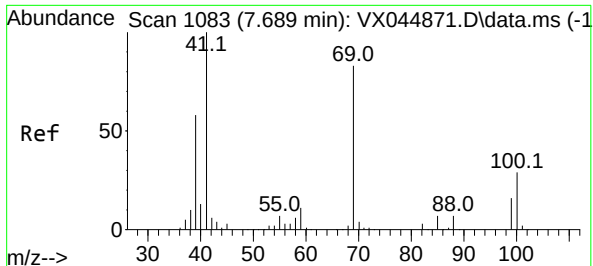
Tgt Ion: 75 Resp: 7386
Ion Ratio Lower Upper
75 100
110 4.4 17.2 51.6#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.643 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion: 117 Resp: 8807
Ion Ratio Lower Upper
117 100
119 6.1 77.5 116.3#
121 0.0 25.6 38.4#

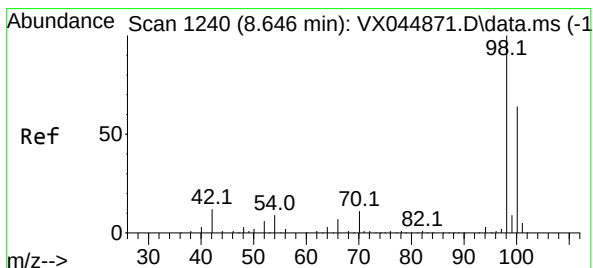
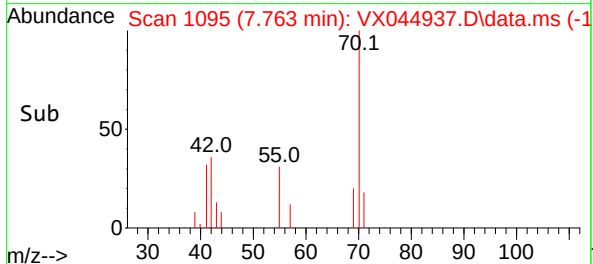
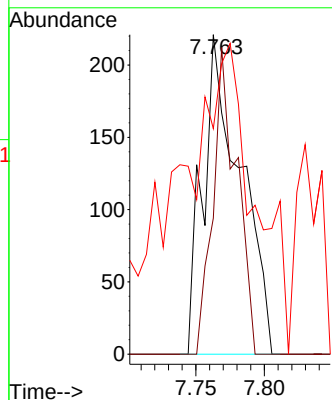
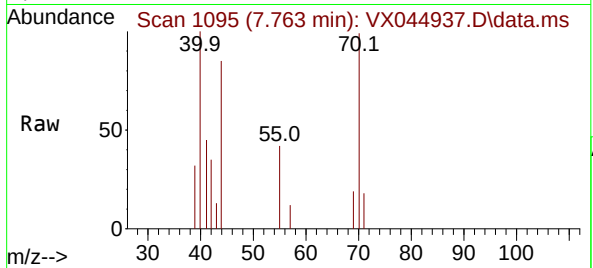




#48
Methyl methacrylate
Concen: 0.311 ug/l
RT: 7.763 min Scan# 1083
Delta R.T. 0.073 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

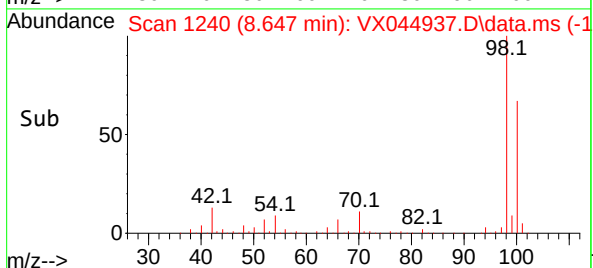
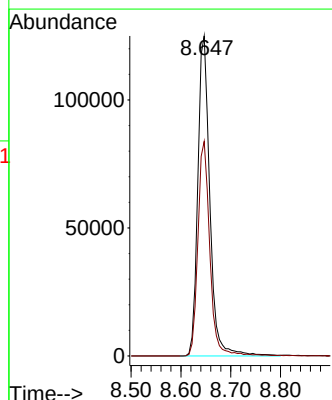
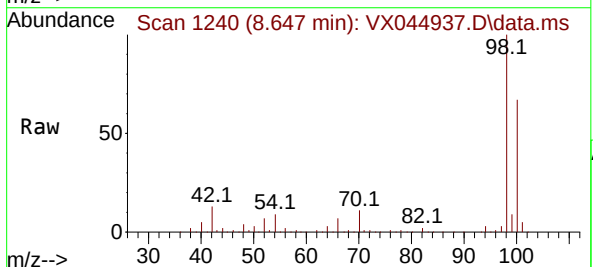
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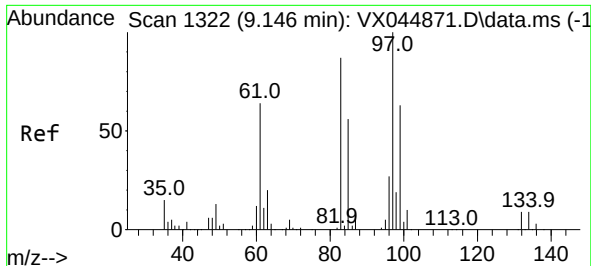
Tgt Ion: 41 Resp: 419
Ion Ratio Lower Upper
41 100
69 61.1 65.8 98.8#
39 188.3 46.4 69.6#



#50
Toluene-d8
Concen: 50.134 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

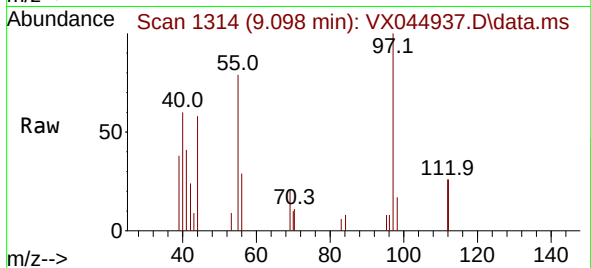
Tgt Ion: 98 Resp: 209257
Ion Ratio Lower Upper
98 100
100 66.4 52.7 79.1



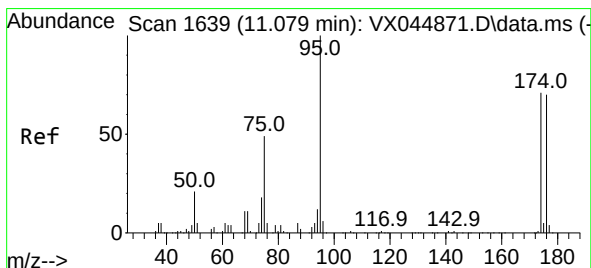
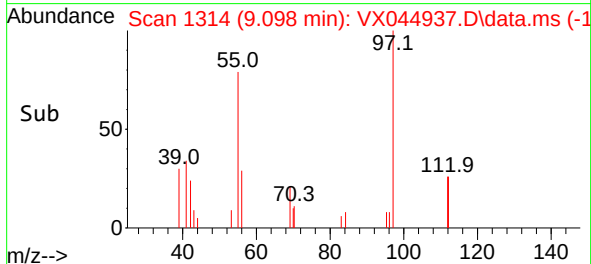
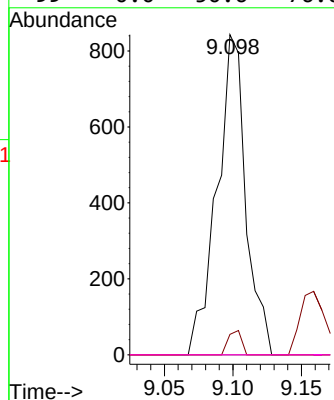


#55
1,1,2-Trichloroethane
Concen: 1.084 ug/l
RT: 9.098 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :

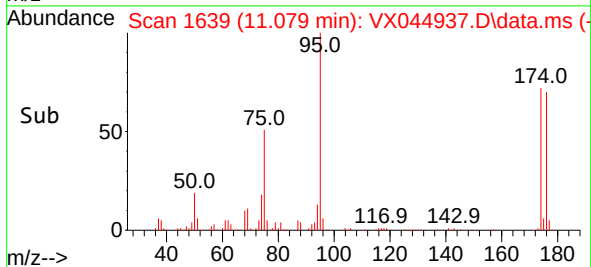
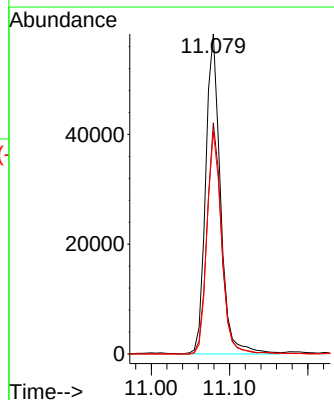
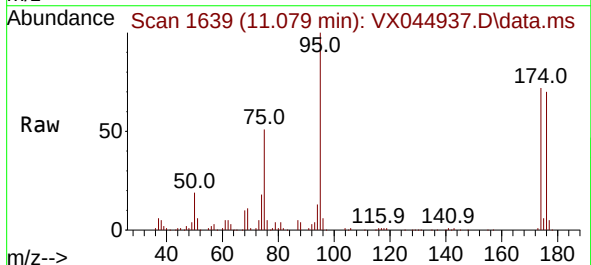


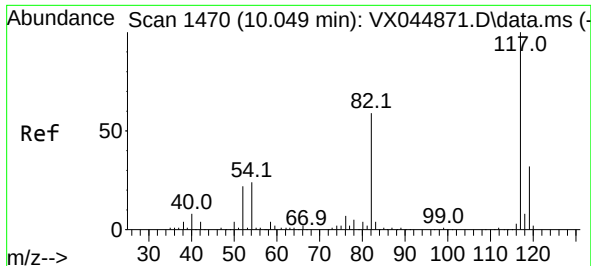
Tgt Ion	Ratio	Lower	Upper
97	100		
83	6.4	69.8	104.6#
85	0.0	44.8	67.2#
99	0.0	50.6	76.0#



#62
4-Bromofluorobenzene
Concen: 54.309 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	142.6
176	68.6	0.0	141.6

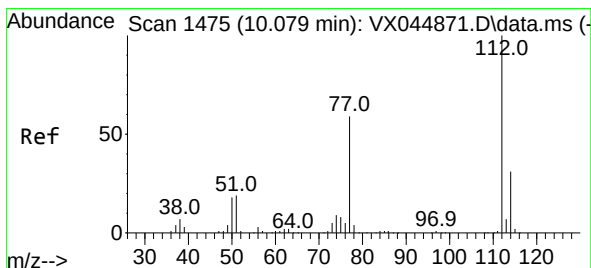
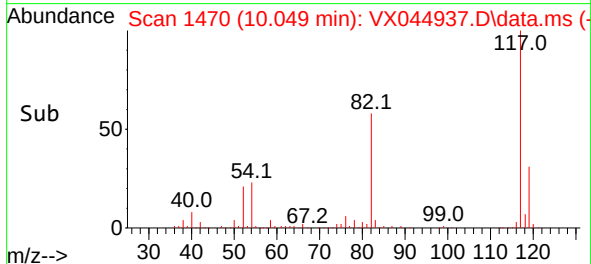
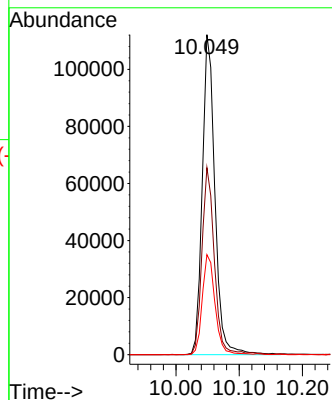
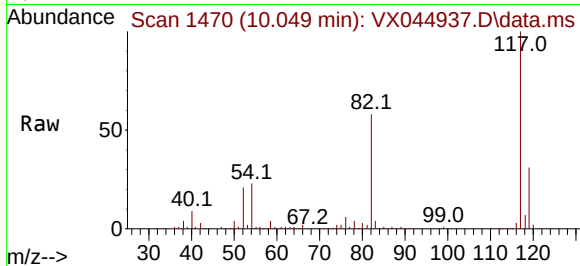




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

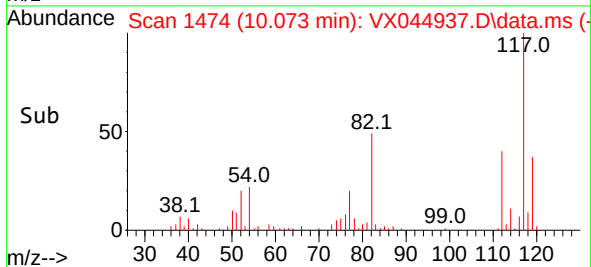
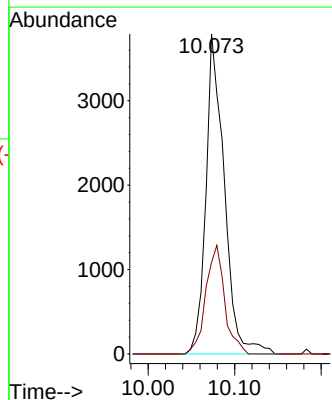
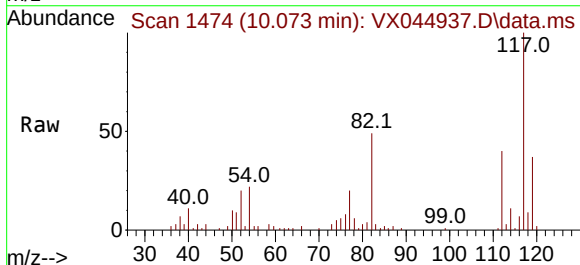
Instrument :
MSVOA_X
ClientSampleId :

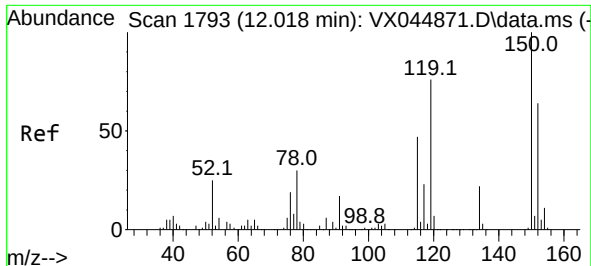
Tgt Ion:117 Resp: 156232
Ion Ratio Lower Upper
117 100
82 58.4 47.5 71.3
119 31.3 25.4 38.0



#65
Chlorobenzene
Concen: 1.665 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

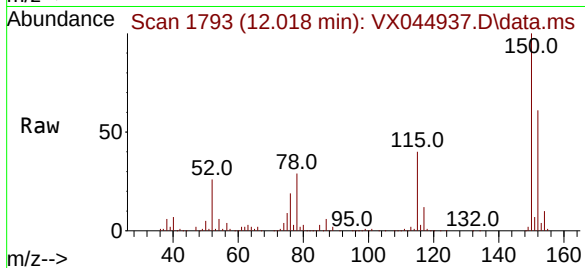
Tgt Ion:112 Resp: 5587
Ion Ratio Lower Upper
112 100
114 28.6 25.0 37.6



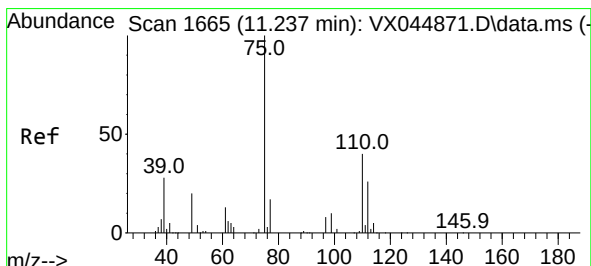
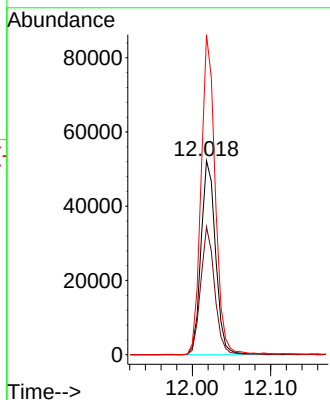
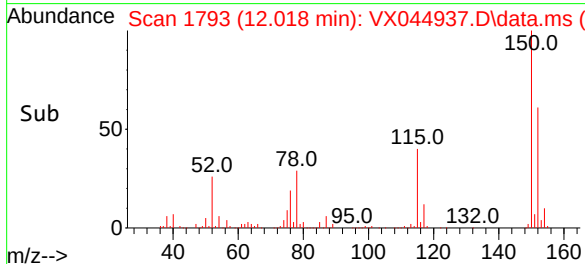


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :

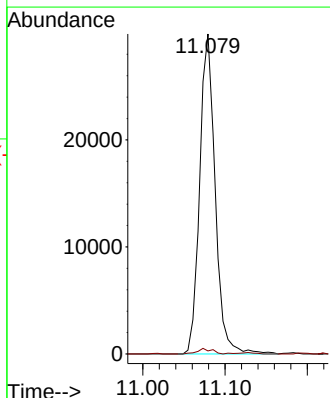
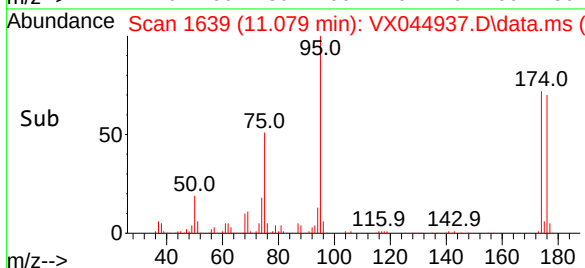
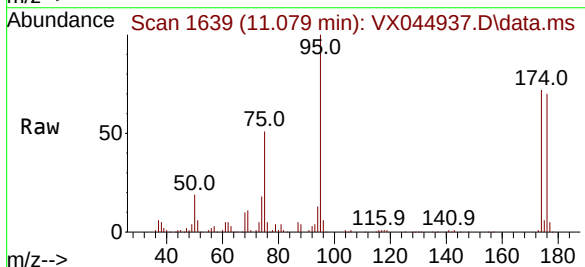


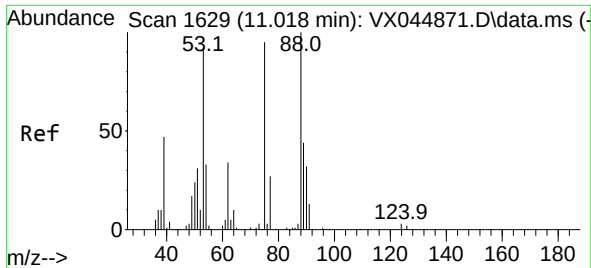
Tgt Ion:152 Resp: 67649
Ion Ratio Lower Upper
152 100
115 63.1 43.4 130.1
150 159.9 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 26.129 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion: 75 Resp: 39190
Ion Ratio Lower Upper
75 100
77 1.6 21.9 65.7#

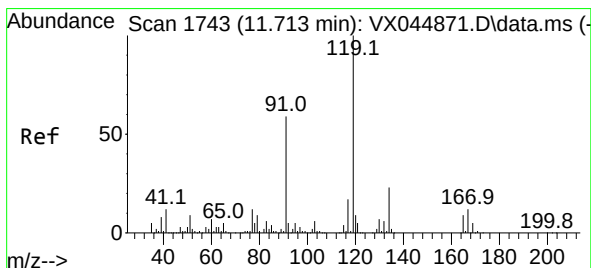
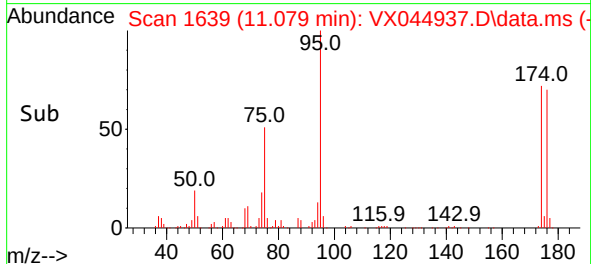
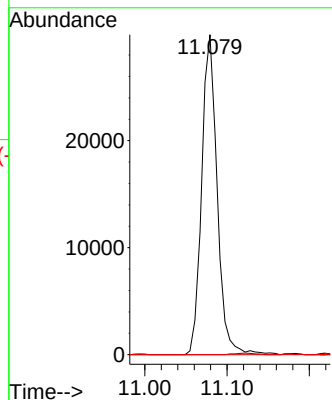
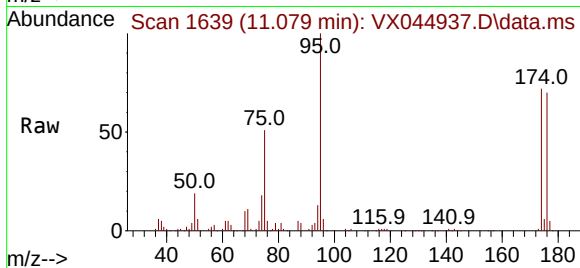




#81
trans-1,4-Dichloro-2-butene
Concen: 67.213 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

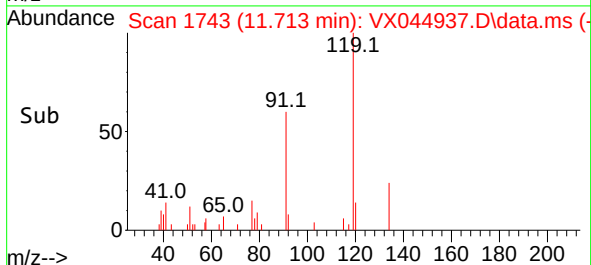
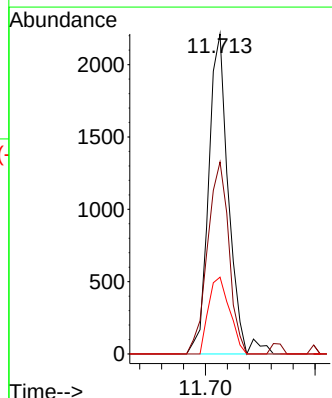
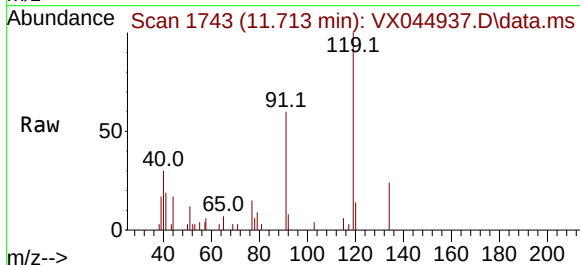
Instrument :
MSVOA_X
ClientSampleId :

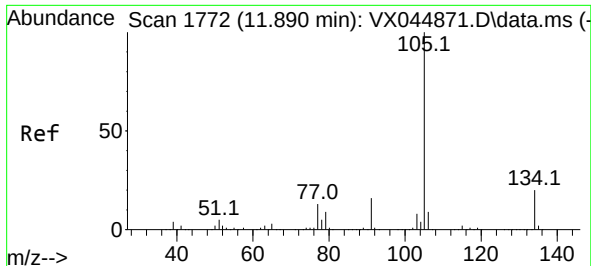
Tgt Ion: 75 Resp: 39190
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#



#83
tert-Butylbenzene
Concen: 0.623 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Tgt Ion: 119 Resp: 2786
Ion Ratio Lower Upper
119 100
91 64.5 29.1 87.4
134 25.4 11.5 34.5

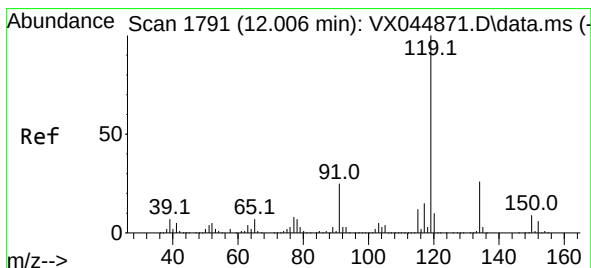
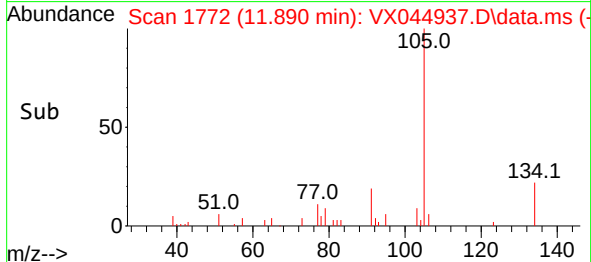
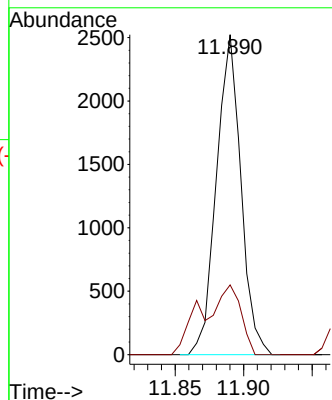
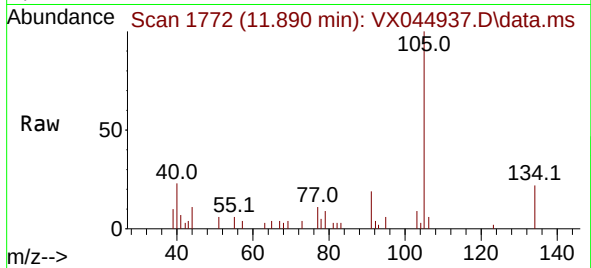




#85
 sec-Butylbenzene
 Concen: 0.565 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044937.D
 Acq: 12 Feb 2025 16:44

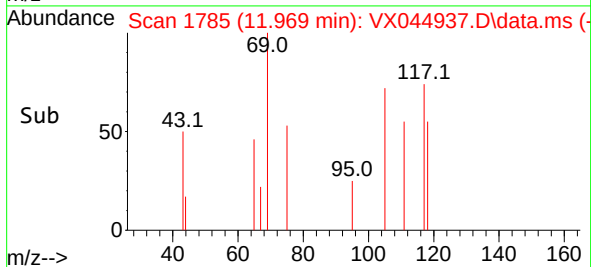
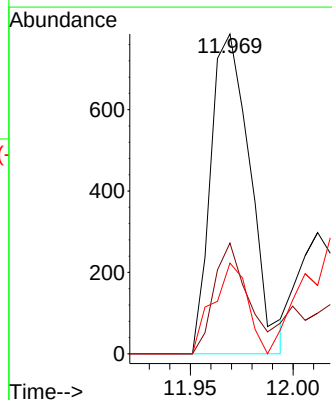
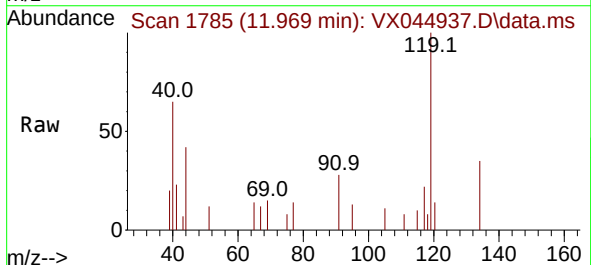
Instrument :
 MSVOA_X
 ClientSampleId :

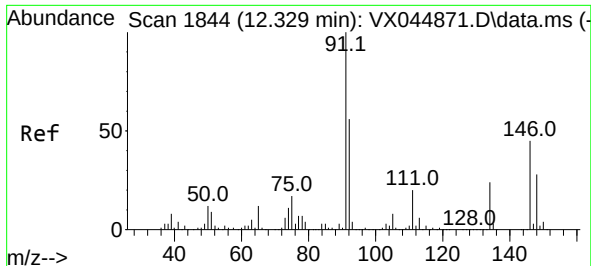
Tgt Ion:105 Resp: 3127
 Ion Ratio Lower Upper
 105 100
 134 22.3 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 0.236 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. -0.036 min
 Lab File: VX044937.D
 Acq: 12 Feb 2025 16:44

Tgt Ion:119 Resp: 1050
 Ion Ratio Lower Upper
 119 100
 134 29.6 13.0 38.9
 91 24.9 12.1 36.3





#89

n-Butylbenzene

Concen: 0.360 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX044937.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA_X

ClientSampleId :

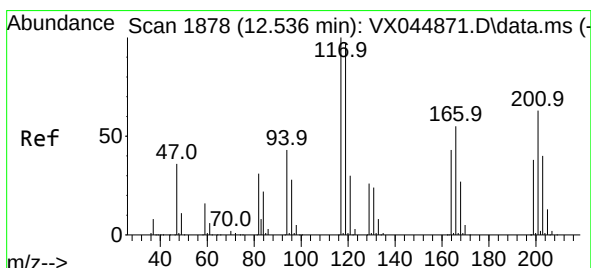
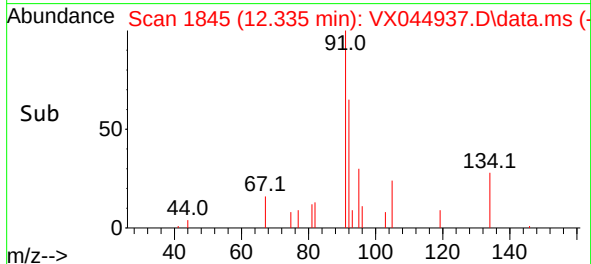
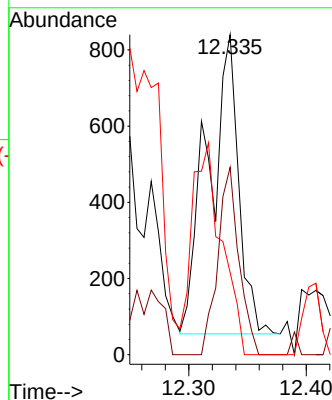
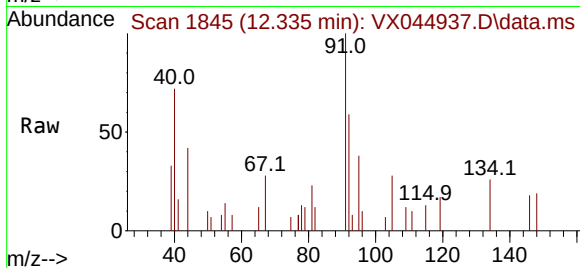
Tgt Ion: 91 Resp: 1419

Ion Ratio Lower Upper

91 100

92 43.4 27.2 81.6

134 68.0 12.1 36.3#



#90

Hexachloroethane

Concen: 0.335 ug/l

RT: 12.530 min Scan# 1877

Delta R.T. -0.006 min

Lab File: VX044937.D

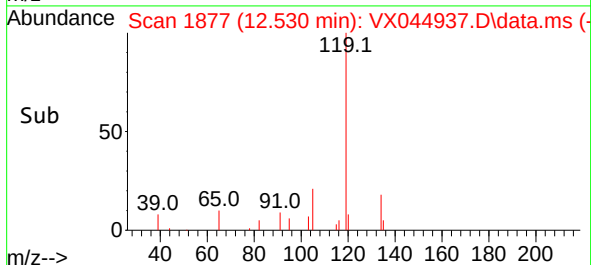
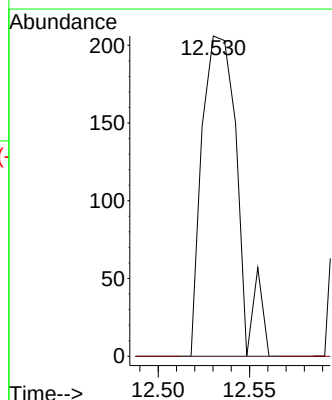
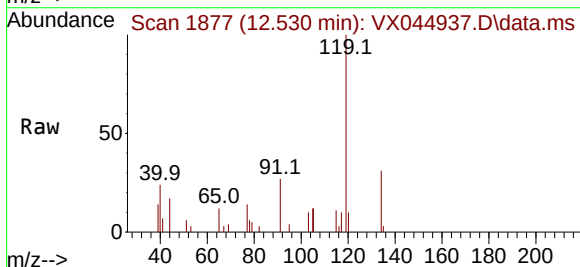
Acq: 12 Feb 2025 16:44

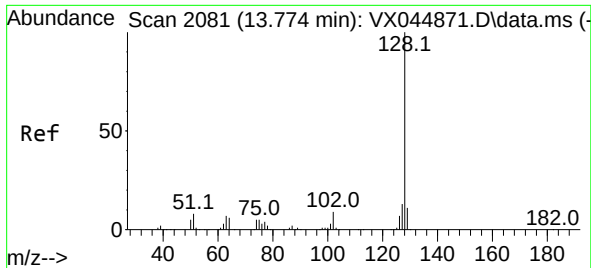
Tgt Ion: 117 Resp: 279

Ion Ratio Lower Upper

117 100

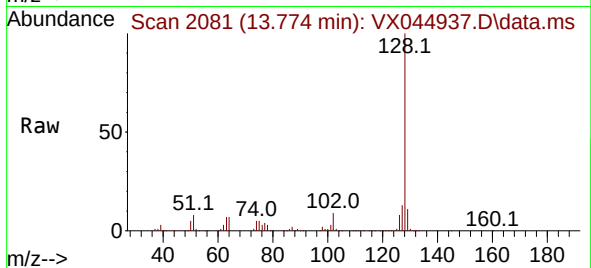
201 0.0 32.5 97.5#





#95
Naphthalene
Concen: 47.401 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044937.D
Acq: 12 Feb 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 231414
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.2 8.9 13.3

