

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103124\
 Data File : VX043644.D
 Acq On : 31 Oct 2024 12:23
 Operator : JC/MD
 Sample : P4616-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 01 00:51:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

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

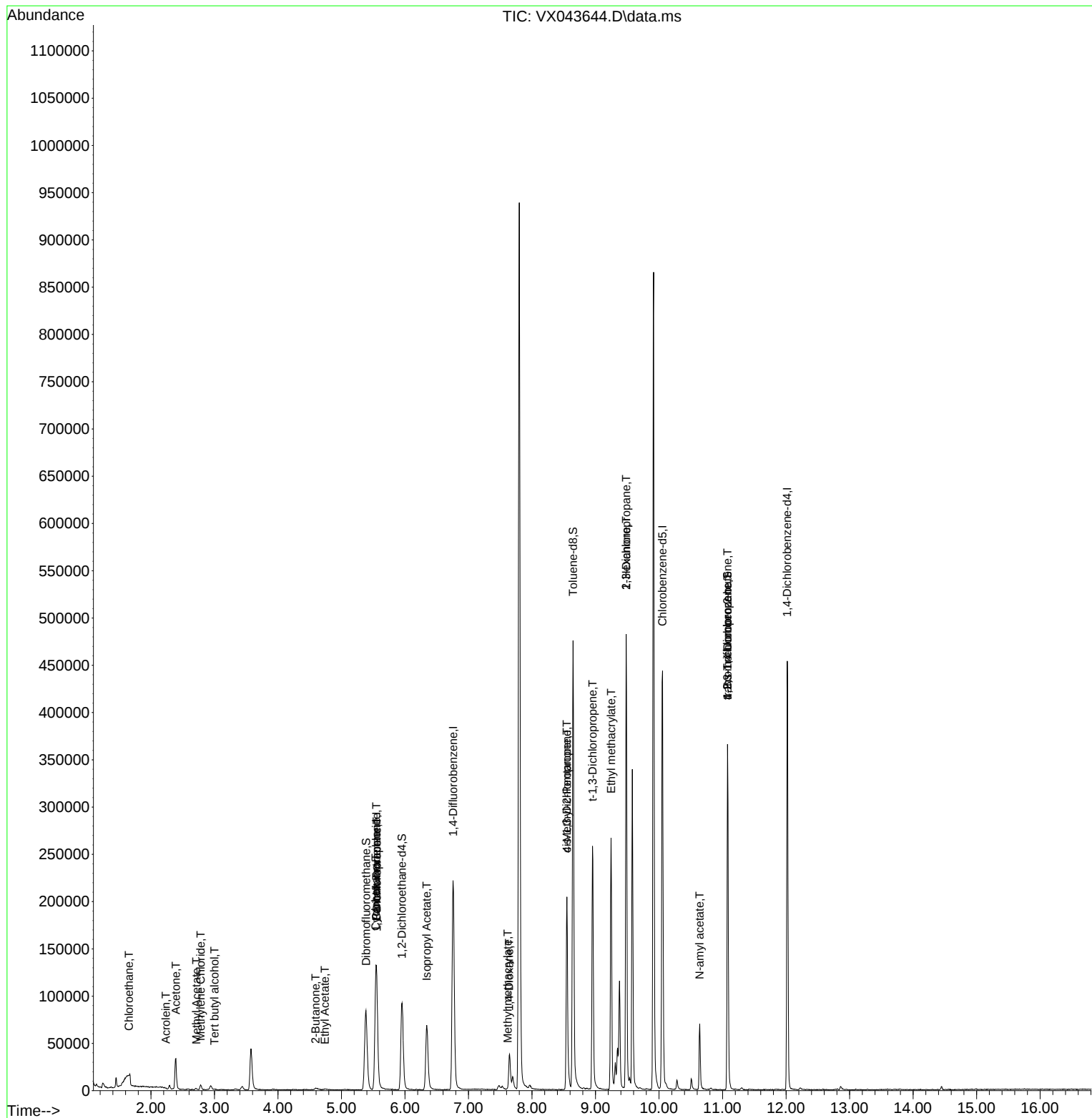
Internal Standards						
1) Pentafluorobenzene	5.550	168	135972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	248880	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	100651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89925	41.476	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.960%		
35) Dibromofluoromethane	5.385	113	76855	45.540	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.080%		
50) Toluene-d8	8.647	98	291084	49.826	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.660%		
62) 4-Bromofluorobenzene	11.079	95	103430	47.779	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.560%		
Target Compounds						Qvalue
6) Chloroethane	1.654	64	179	0.295	ug/l #	43
11) Tert butyl alcohol	3.001	59	692	1.710	ug/l #	100
13) Acrolein	2.233	56	191	0.604	ug/l	99
16) Acetone	2.392	43	36147	41.984	ug/l	97
18) Methyl Acetate	2.715	43	1661	0.660	ug/l	94
20) Methylene Chloride	2.782	84	2718	1.465	ug/l	87
25) 2-Butanone	4.593	43	3596	2.863	ug/l	93
31) Cyclohexane	5.538	56	2530	1.105	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	10105	5.050	ug/l #	50
37) Ethyl Acetate	4.739	43	1962	0.808	ug/l #	76
38) Carbon Tetrachloride	5.550	117	13632	6.165	ug/l #	16
43) Isopropyl Acetate	6.342	43	97827	24.348	ug/l	98
48) Methyl methacrylate	7.617	41	2631	1.381	ug/l #	13
49) 1,4-Dioxane	7.641	88	26	0.664	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	70575	28.820	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	729	0.306	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	36365	14.311	ug/l #	59
56) Ethyl methacrylate	9.244	69	646	0.236	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4653	1.660	ug/l #	42
59) 2-Hexanone	9.482	43	56868	30.576	ug/l #	52
74) N-amyl acetate	10.640	43	17463	5.028	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	51244	23.812	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	51244	65.507	ug/l #	7

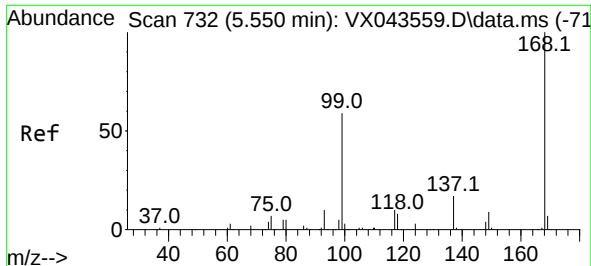
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX043644.D
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 01 00:51:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

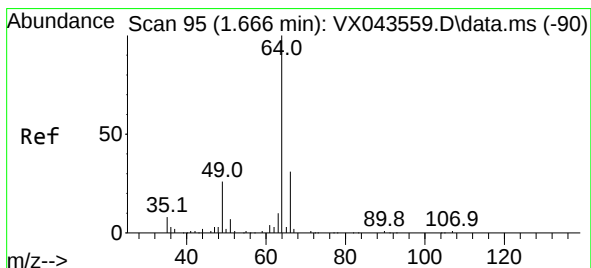
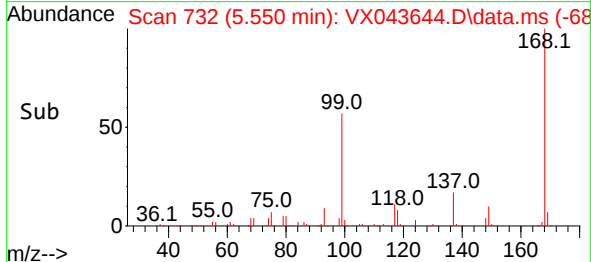
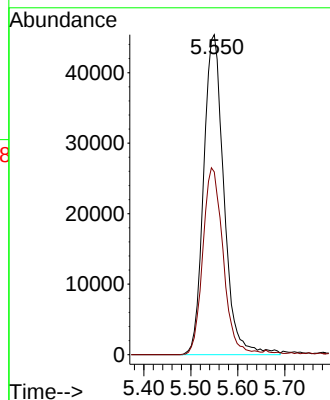
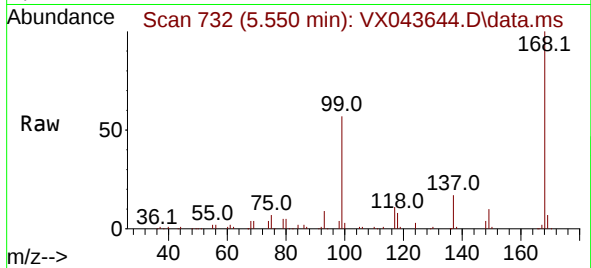




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

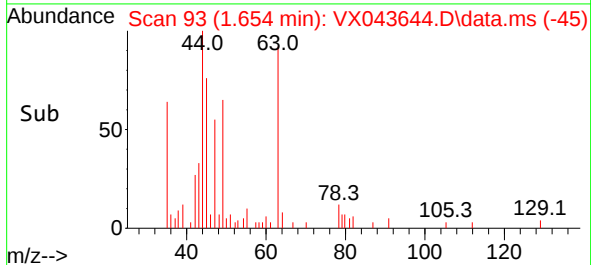
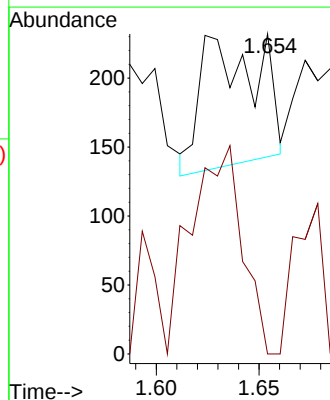
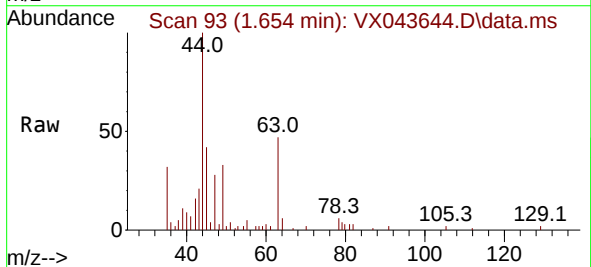
Instrument :
MSVOA_X
ClientSampleId :

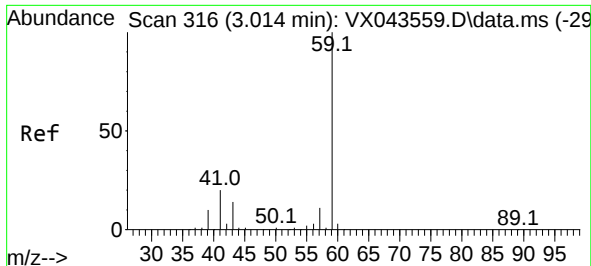
Tgt Ion:168 Resp: 135972
Ion Ratio Lower Upper
168 100
99 57.1 52.6 78.8



#6
Chloroethane
Concen: 0.295 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.006 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

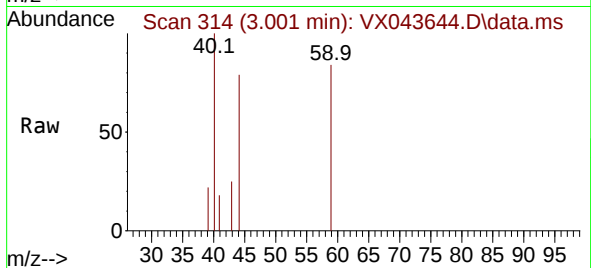
Tgt Ion: 64 Resp: 179
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



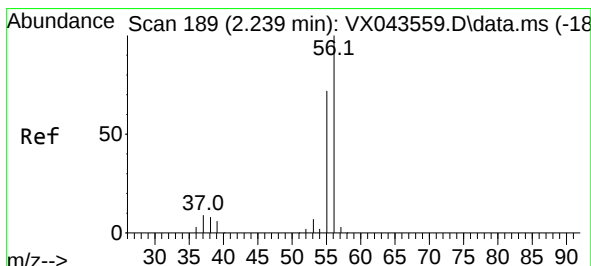
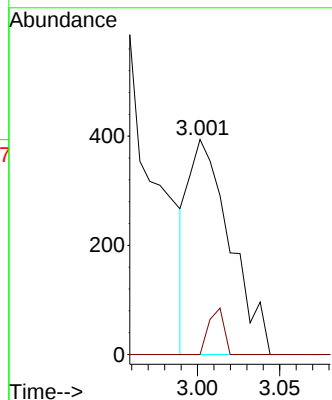
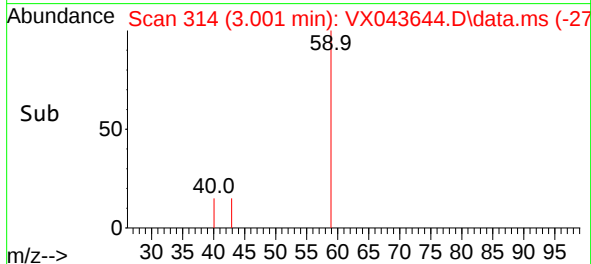


#11
Tert butyl alcohol
Concen: 1.710 ug/l
RT: 3.001 min Scan# 31
Delta R.T. -0.049 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

Instrument :
MSVOA_X
ClientSampleId :

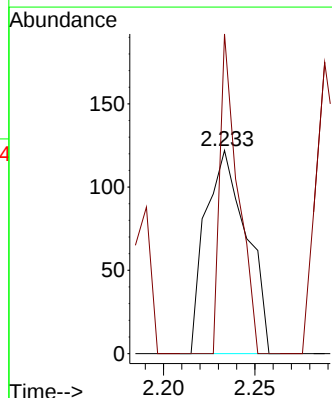
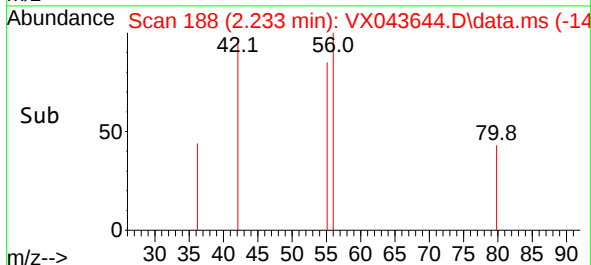
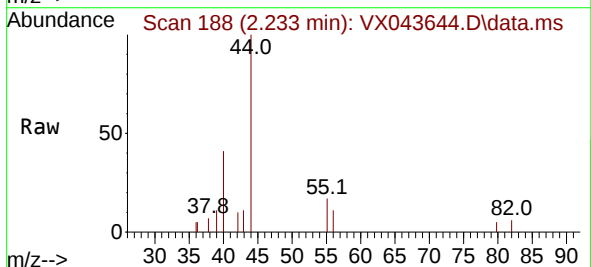


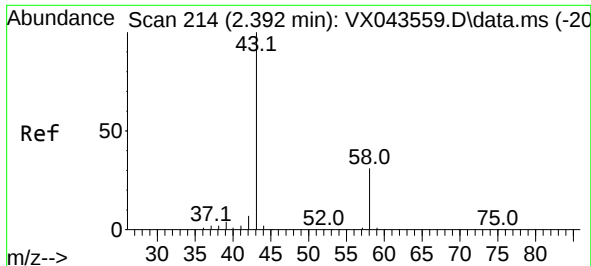
Tgt Ion: 59 Resp: 692
Ion Ratio Lower Upper
59 100
57 7.9 0.0 0.0#



#13
Acrolein
Concen: 0.604 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 69.6 55.3 82.9

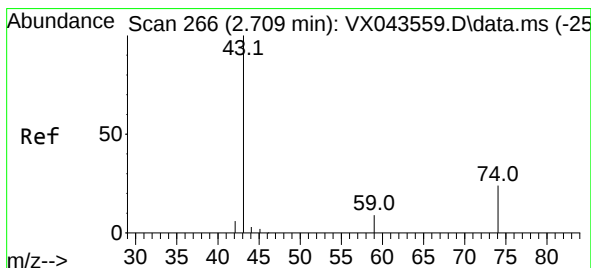
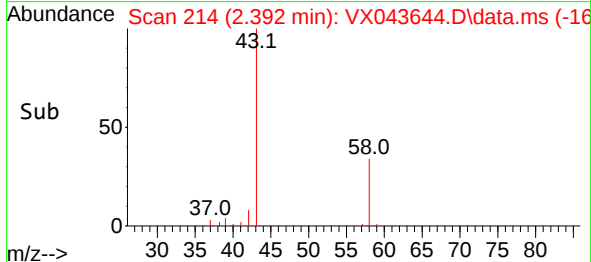
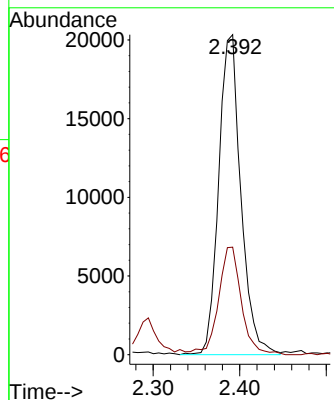
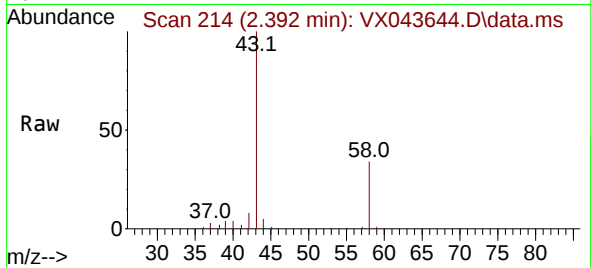




#16
Acetone
Concen: 41.984 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

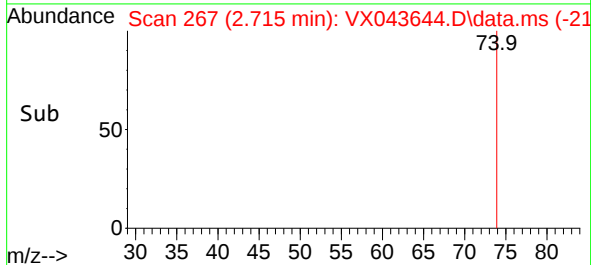
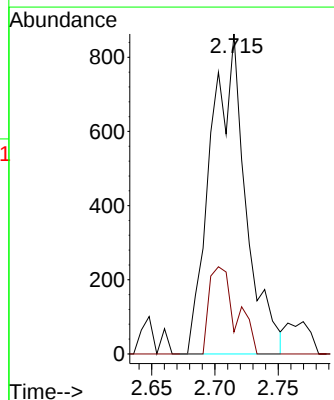
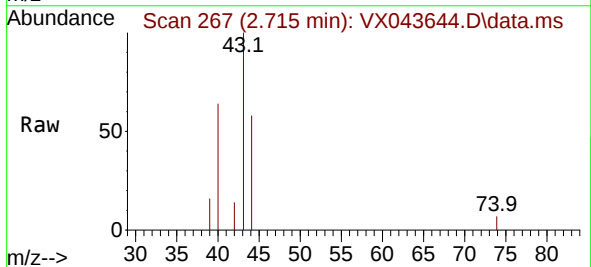
Instrument :
MSVOA_X
ClientSampleId :

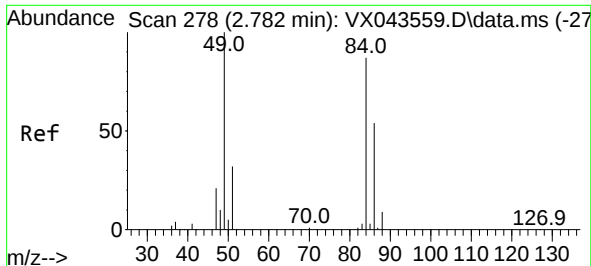
Tgt Ion: 43 Resp: 36147
Ion Ratio Lower Upper
43 100
58 33.2 25.1 37.7



#18
Methyl Acetate
Concen: 0.660 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

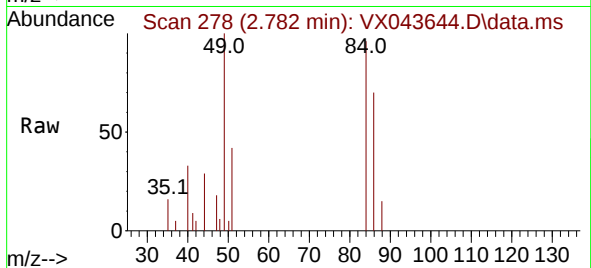
Tgt Ion: 43 Resp: 1661
Ion Ratio Lower Upper
43 100
74 20.8 19.1 28.7



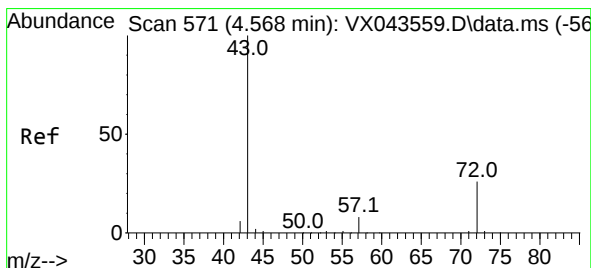
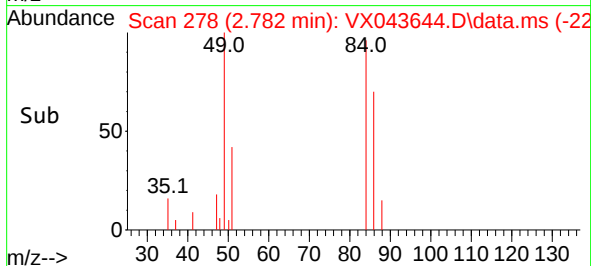
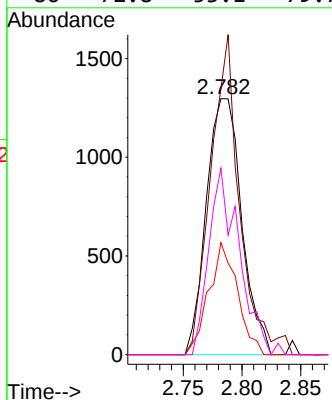


#20
Methylene Chloride
Concen: 1.465 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

Instrument :
MSVOA_X
ClientSampleId :

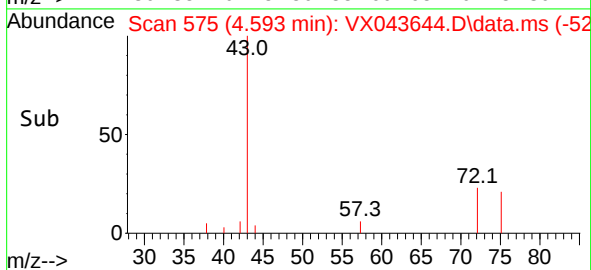
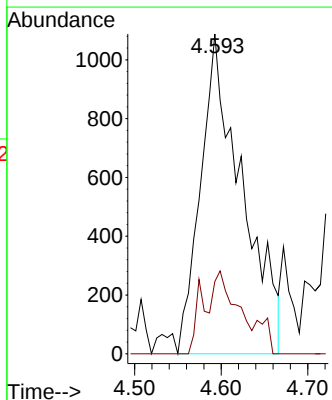
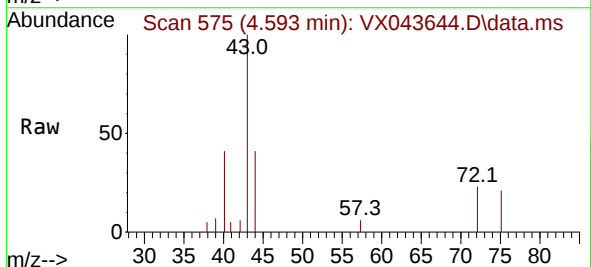


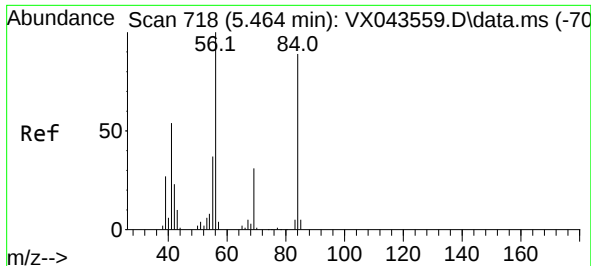
Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.7	97.0	145.6
51	43.7	29.8	44.8
86	72.8	53.1	79.7



#25
2-Butanone
Concen: 2.863 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

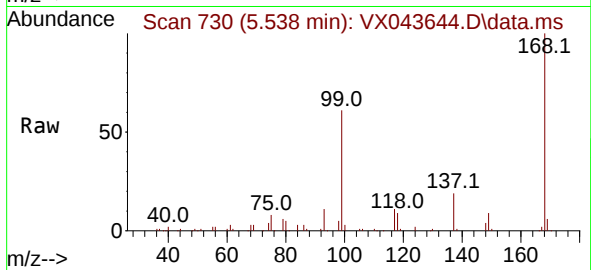
Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.6	21.1	31.7



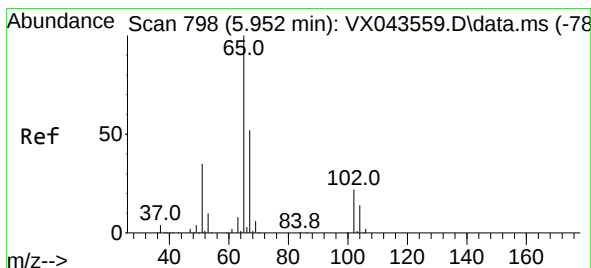
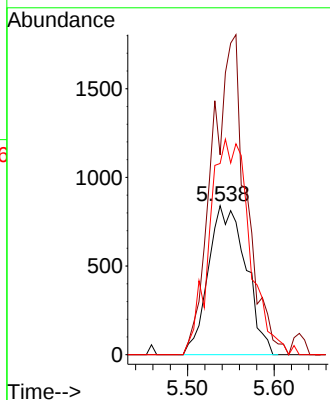
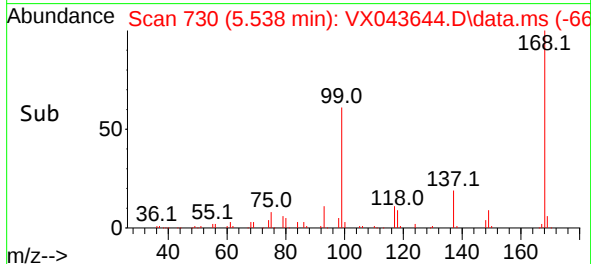


#31
Cyclohexane
Concen: 1.105 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

Instrument :
MSVOA_X
ClientSampleId :

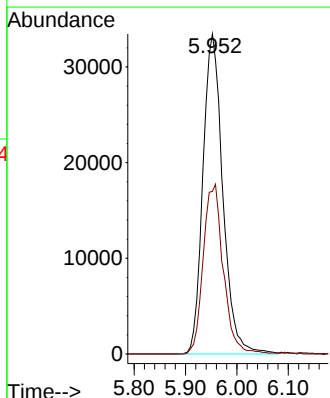
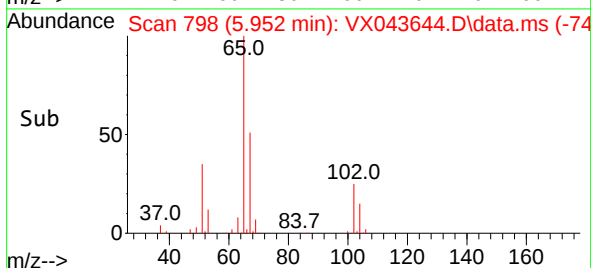
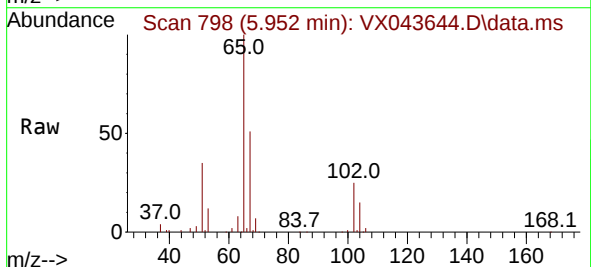


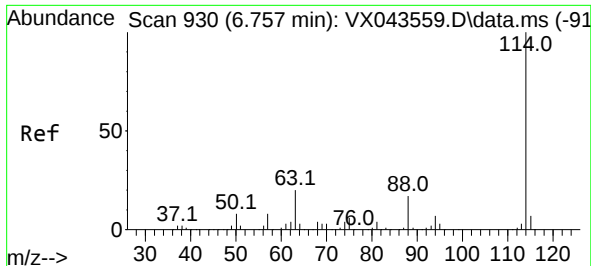
Tgt Ion: 56 Resp: 2530
Ion Ratio Lower Upper
56 100
69 134.2 24.9 37.3#
84 128.5 73.3 109.9#



#33
1,2-Dichloroethane-d4
Concen: 41.476 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

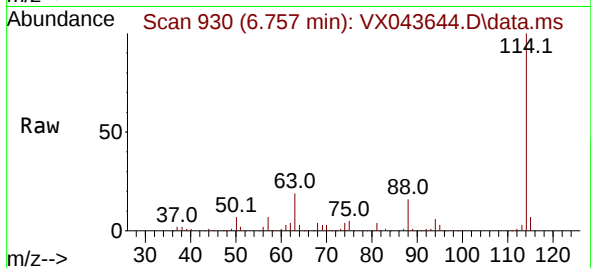
Tgt Ion: 65 Resp: 89925
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.4



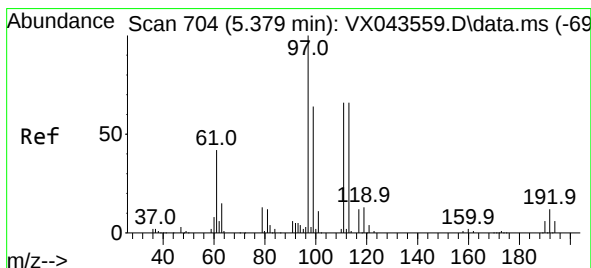
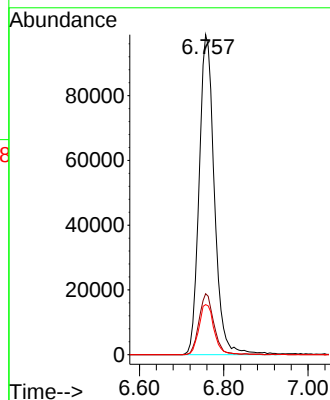
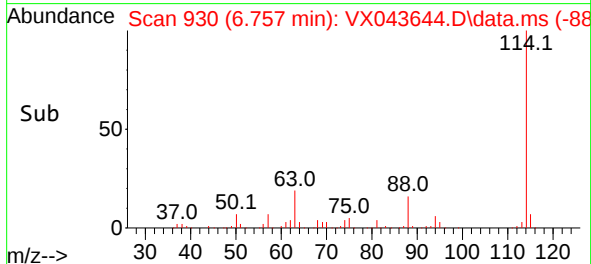


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

Instrument :
MSVOA_X
ClientSampleId :

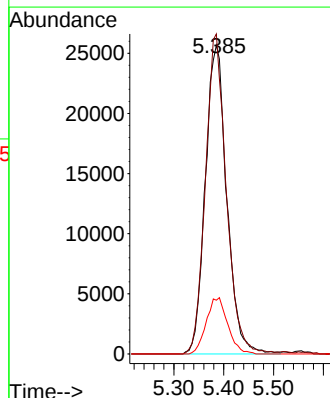
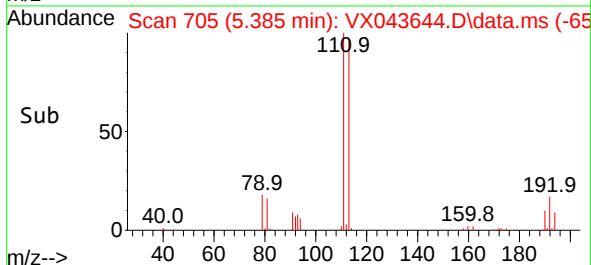
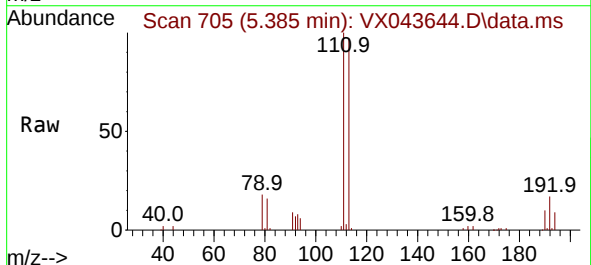


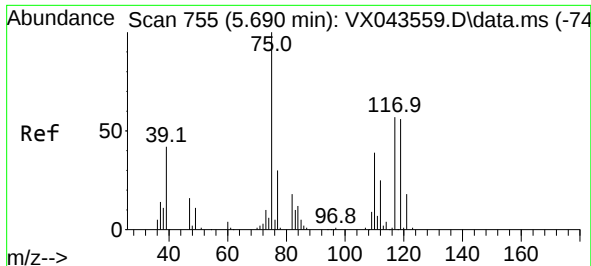
Tgt Ion:114 Resp: 248880
Ion Ratio Lower Upper
114 100
63 19.0 0.0 41.2
88 15.6 0.0 34.0



#35
Dibromofluoromethane
Concen: 45.540 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

Tgt Ion:113 Resp: 76855
Ion Ratio Lower Upper
113 100
111 100.7 81.4 122.0
192 18.2 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.050 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX043644.D

Acq: 31 Oct 2024 12:23

Instrument :

MSVOA_X

ClientSampleId :

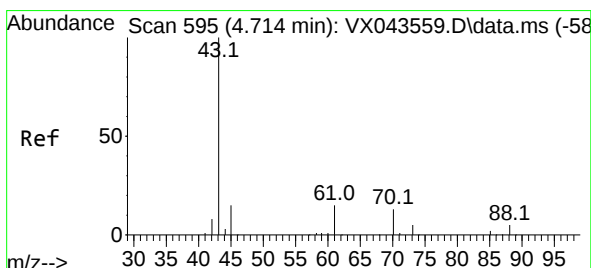
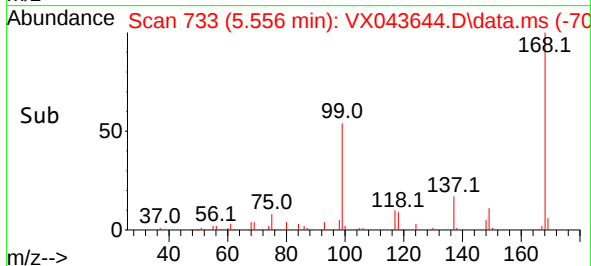
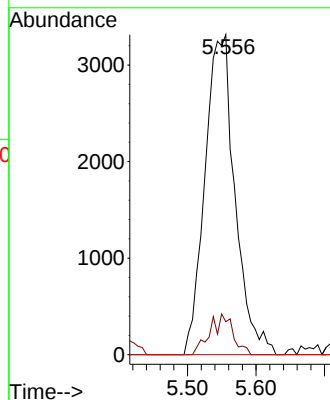
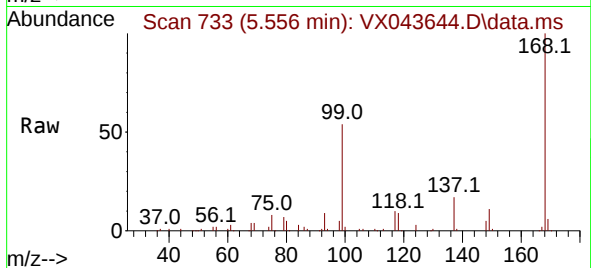
Tgt Ion: 75 Resp: 10105

Ion Ratio Lower Upper

75 100

110 9.7 17.9 53.7#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.808 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.018 min

Lab File: VX043644.D

Acq: 31 Oct 2024 12:23

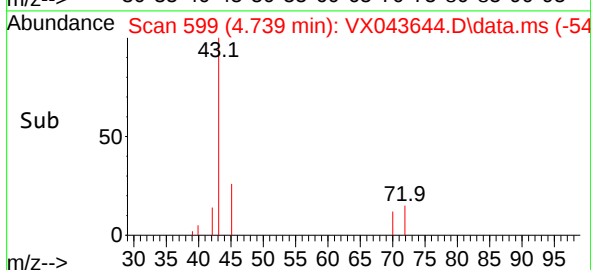
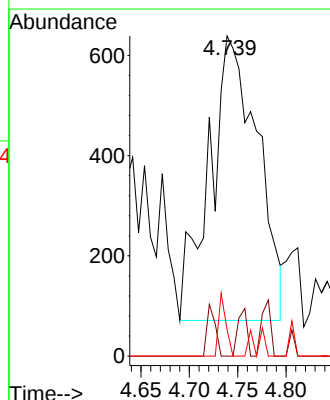
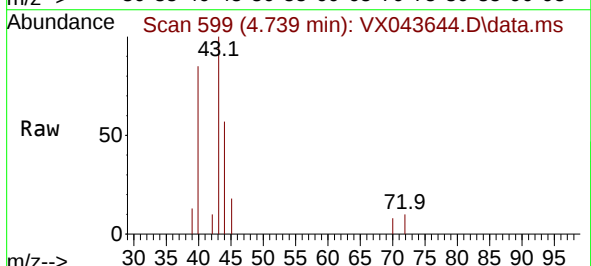
Tgt Ion: 43 Resp: 1962

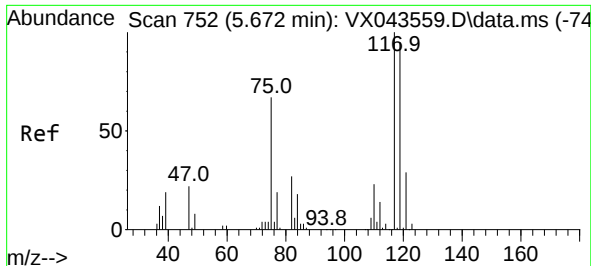
Ion Ratio Lower Upper

43 100

61 3.1 11.0 16.6#

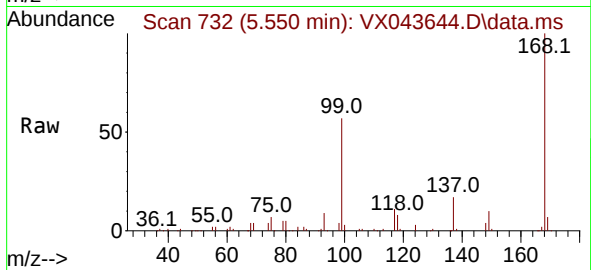
70 3.3 8.9 13.3#



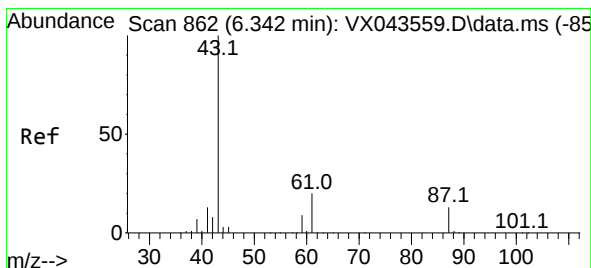
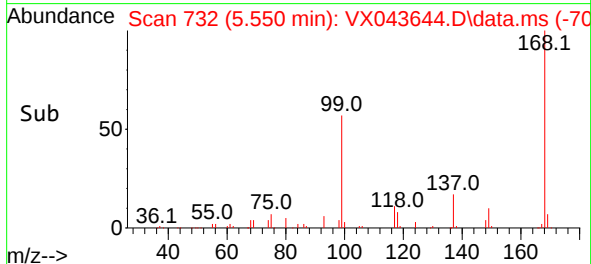
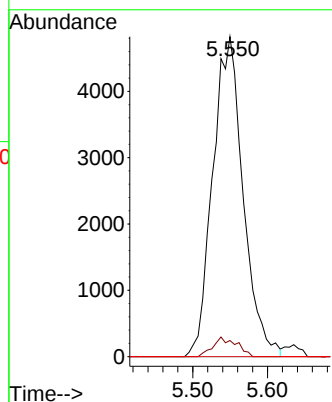


#38
Carbon Tetrachloride
Concen: 6.165 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

Instrument :
MSVOA_X
ClientSampleId :

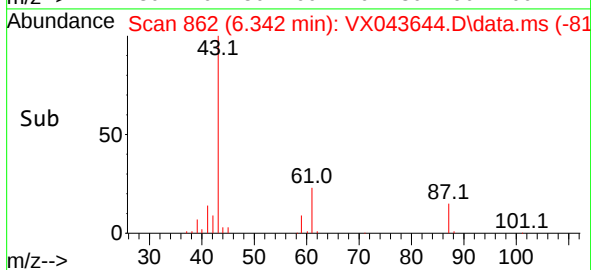
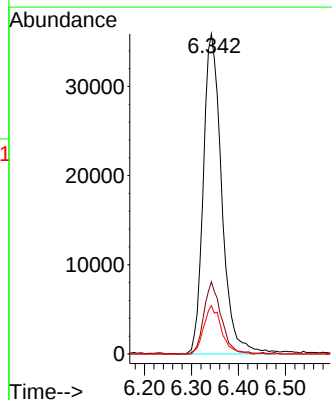
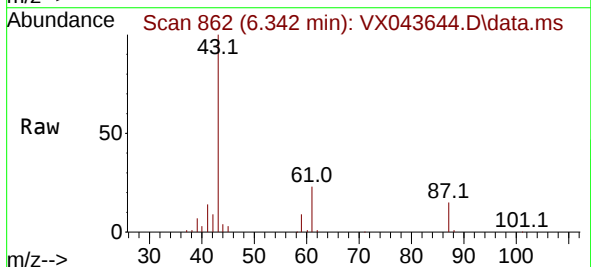


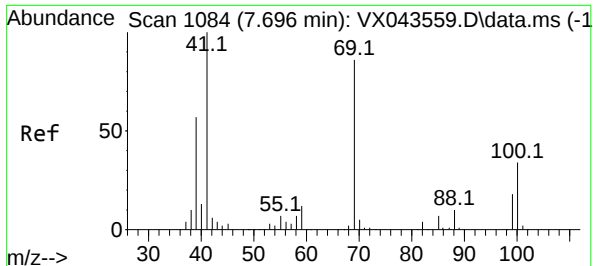
Tgt Ion:117 Resp: 13632
Ion Ratio Lower Upper
117 100
119 5.0 77.0 115.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 24.348 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

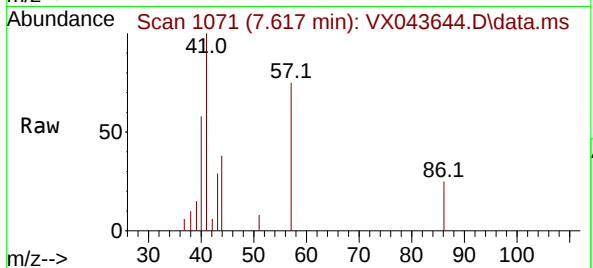
Tgt Ion: 43 Resp: 97827
Ion Ratio Lower Upper
43 100
61 21.1 16.2 24.4
87 14.5 11.0 16.6



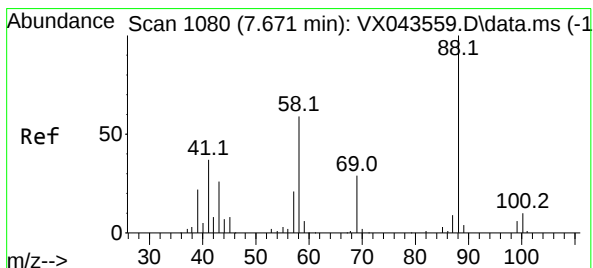
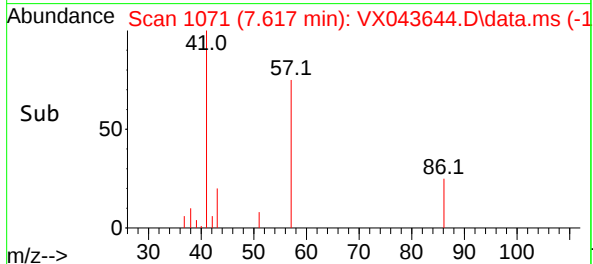
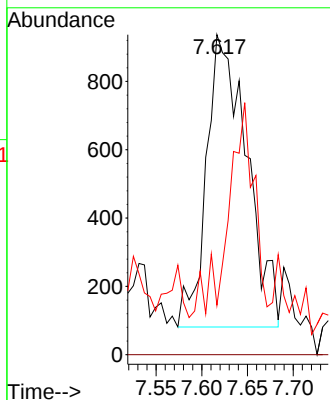


#48
Methyl methacrylate
Concen: 1.381 ug/l
RT: 7.617 min Scan# 1071
Delta R.T. -0.079 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

Instrument :
MSVOA_X
ClientSampleId :

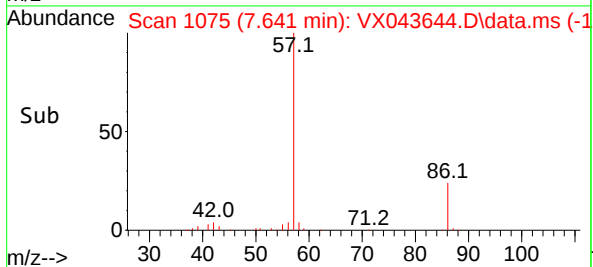
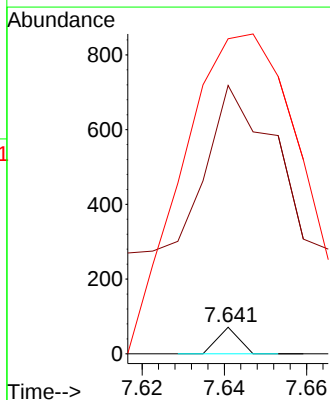
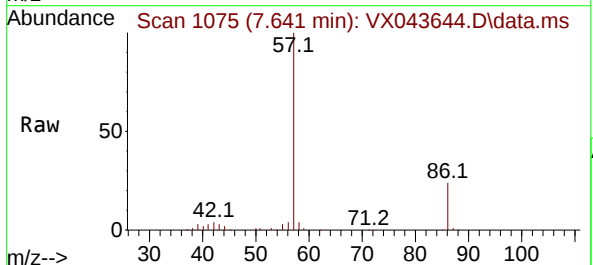


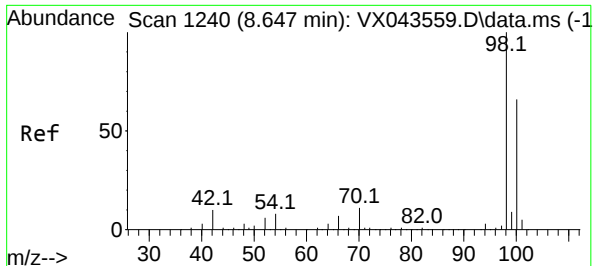
Tgt Ion: 41 Resp: 2631
Ion Ratio Lower Upper
41 100
69 0.0 67.7 101.5#
39 0.0 46.3 69.5#



#49
1,4-Dioxane
Concen: 0.664 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.030 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 7042.3 53.9 80.9#

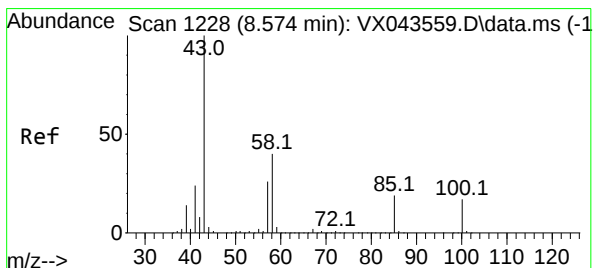
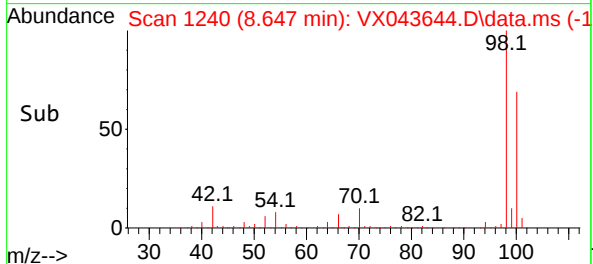
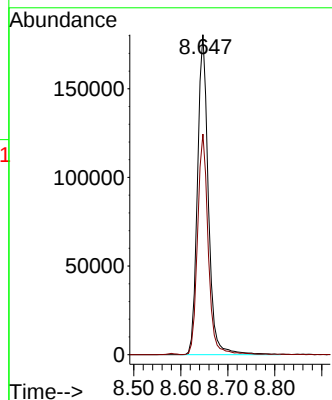
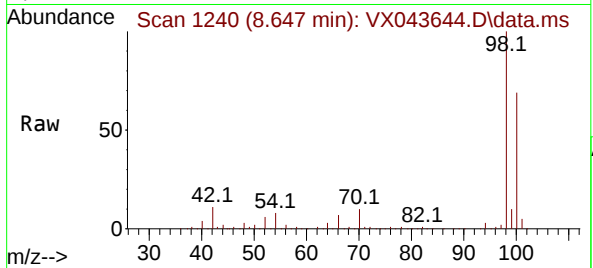




#50
Toluene-d8
Concen: 49.826 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

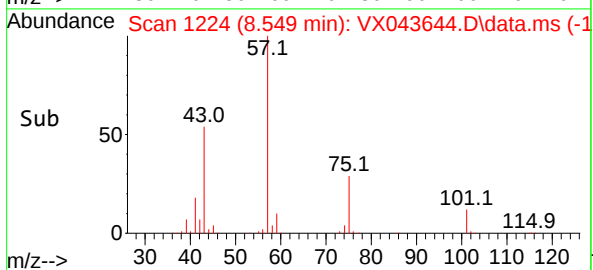
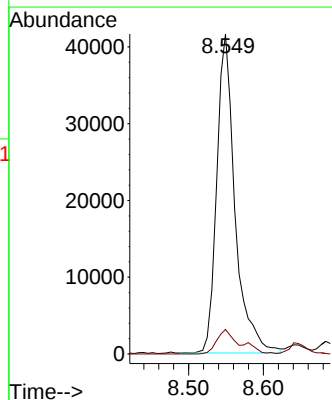
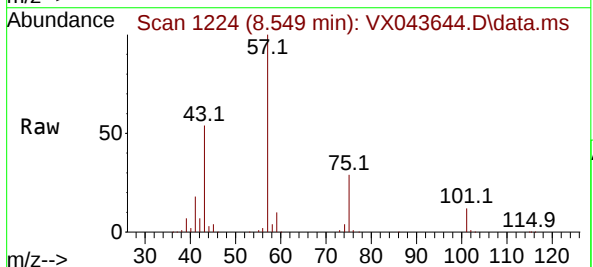
Instrument :
MSVOA_X
ClientSampleId :

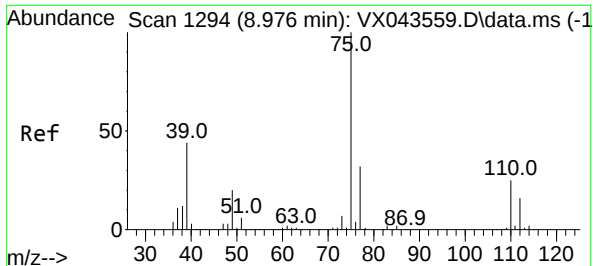
Tgt Ion: 98 Resp: 291084
Ion Ratio Lower Upper
98 100
100 67.7 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 28.820 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

Tgt Ion: 43 Resp: 70575
Ion Ratio Lower Upper
43 100
58 9.7 31.7 47.5#

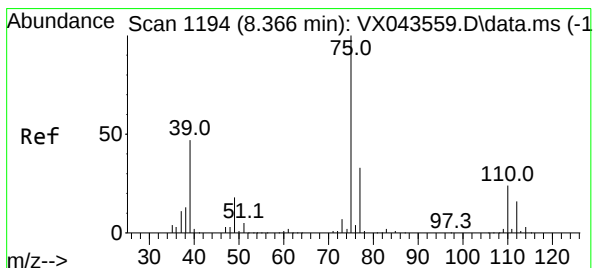
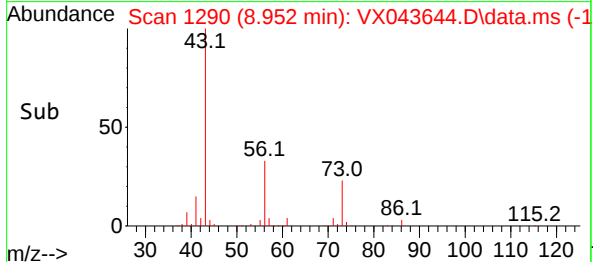
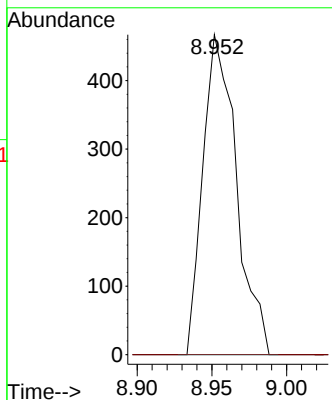
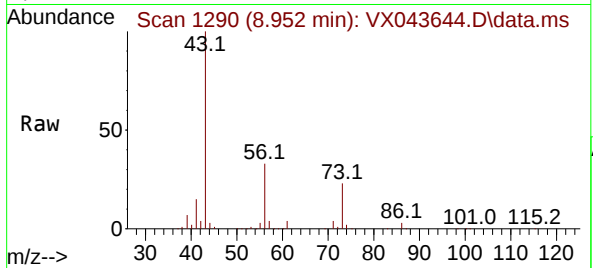




#53
 t-1,3-Dichloropropene
 Concen: 0.306 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX043644.D
 Acq: 31 Oct 2024 12:23

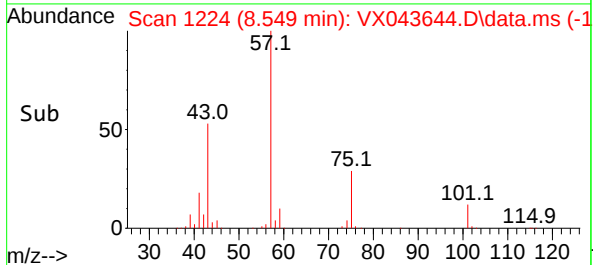
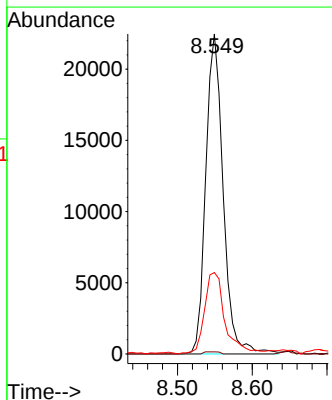
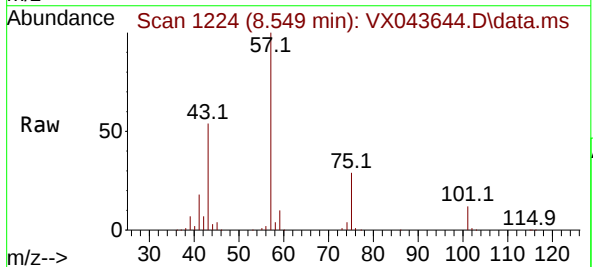
Instrument :
 MSVOA_X
 ClientSampleId :

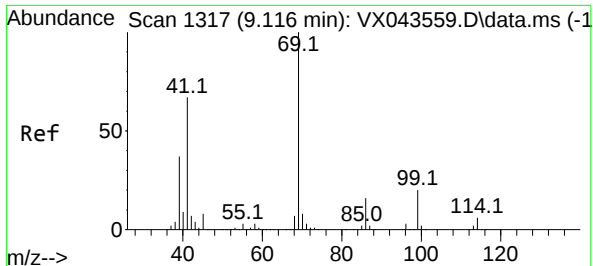
Tgt Ion: 75 Resp: 729
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.0 39.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.311 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX043644.D
 Acq: 31 Oct 2024 12:23

Tgt Ion: 75 Resp: 36365
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.8 37.2#
 39 25.5 37.7 56.5#

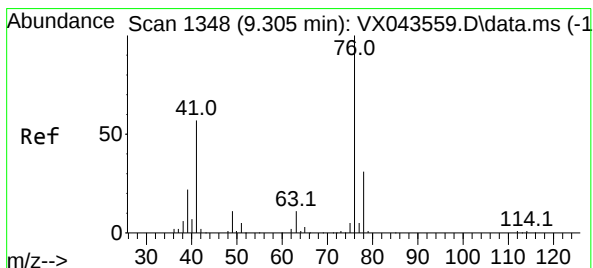
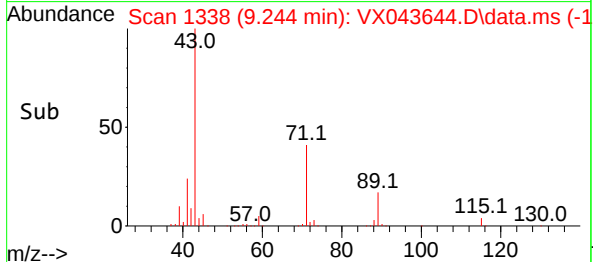
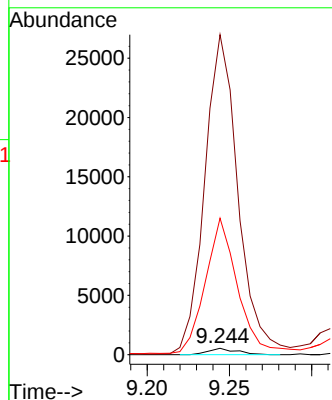
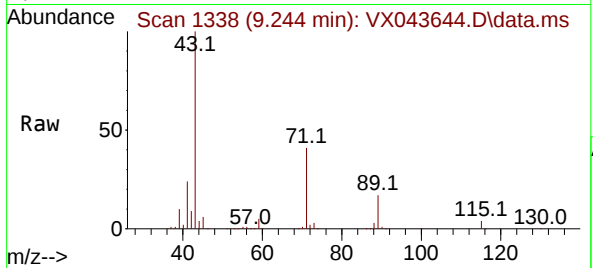




#56
Ethyl methacrylate
Concen: 0.236 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

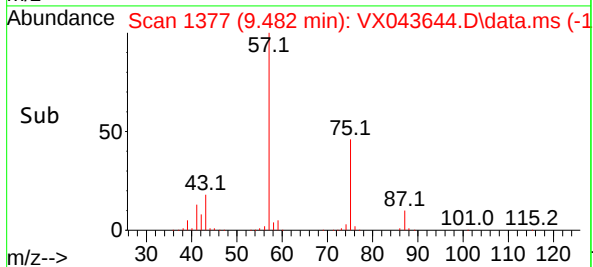
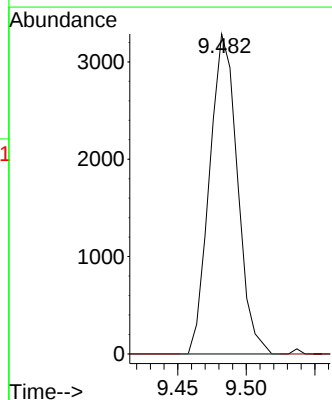
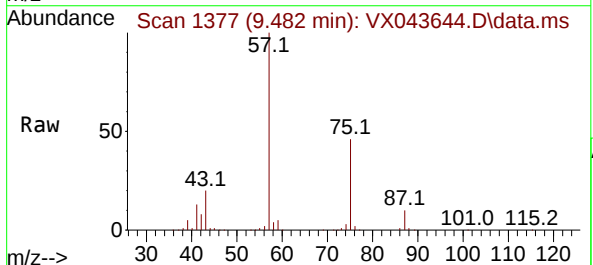
Instrument :
MSVOA_X
ClientSampleId :

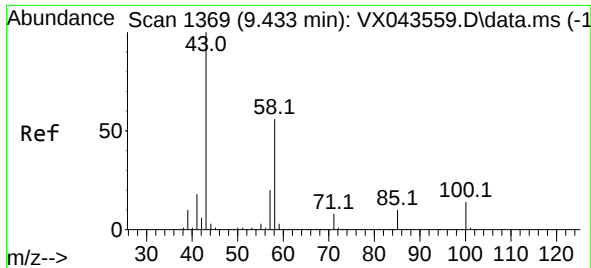
Tgt Ion: 69 Resp: 646
Ion Ratio Lower Upper
69 100
41 5879.4 53.8 80.8#
39 2431.1 29.9 44.9#



#57
1,3-Dichloropropane
Concen: 1.660 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

Tgt Ion: 76 Resp: 4653
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

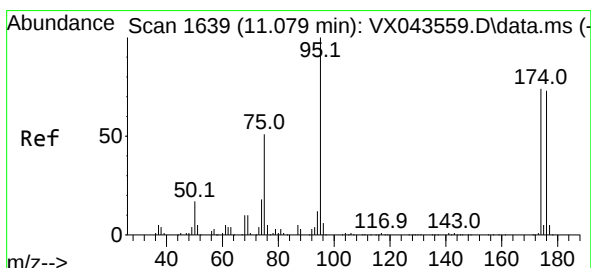
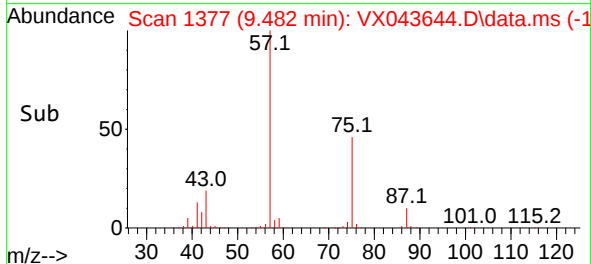
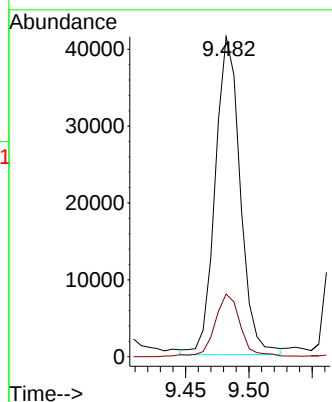
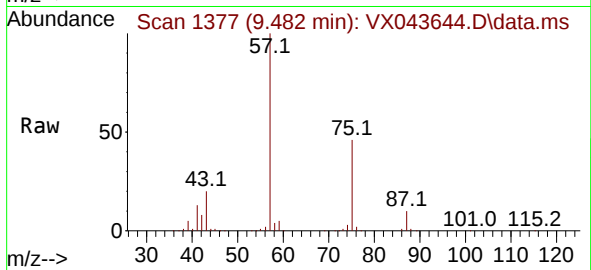




#59
2-Hexanone
Concen: 30.576 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

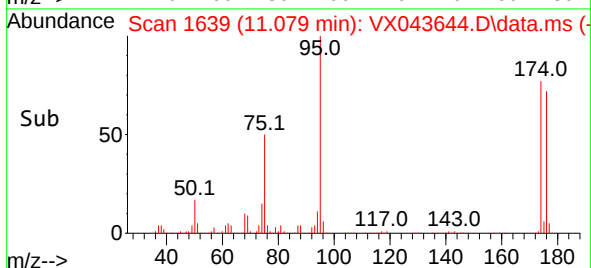
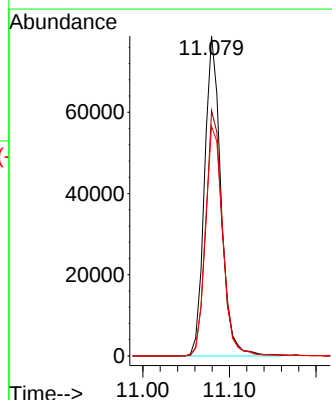
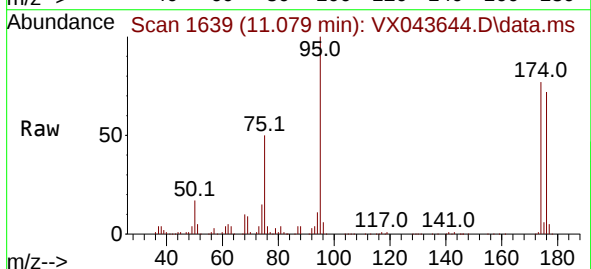
Instrument :
MSVOA_X
ClientSampleId :

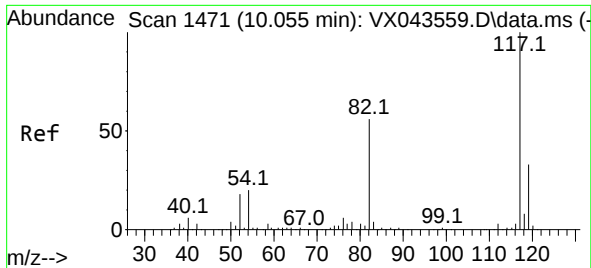
Tgt Ion: 43 Resp: 56868
Ion Ratio Lower Upper
43 100
58 20.3 27.5 82.5#



#62
4-Bromofluorobenzene
Concen: 47.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

Tgt Ion: 95 Resp: 103430
Ion Ratio Lower Upper
95 100
174 78.5 0.0 146.6
176 76.5 0.0 139.6

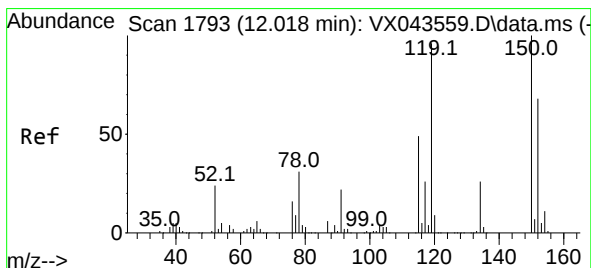
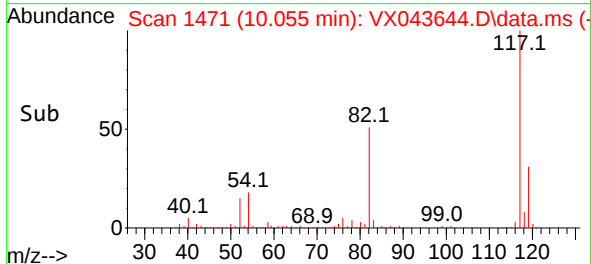
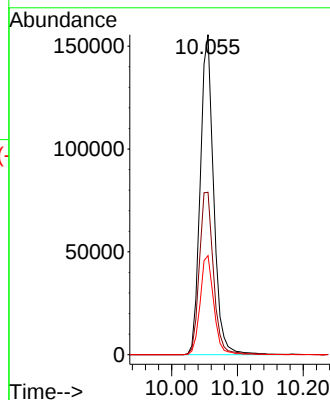
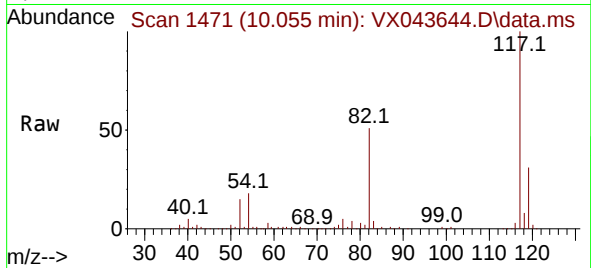




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

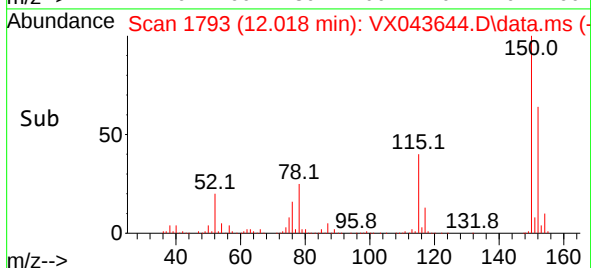
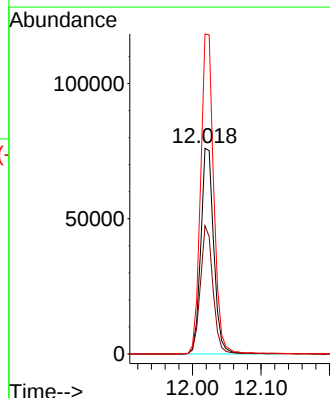
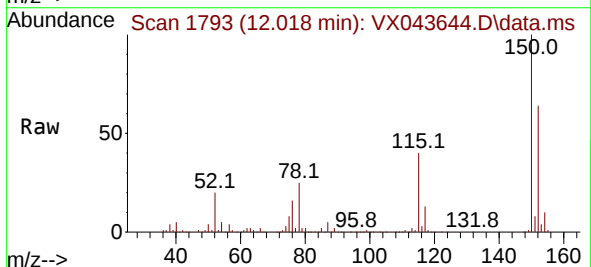
Instrument :
MSVOA_X
ClientSampleId :

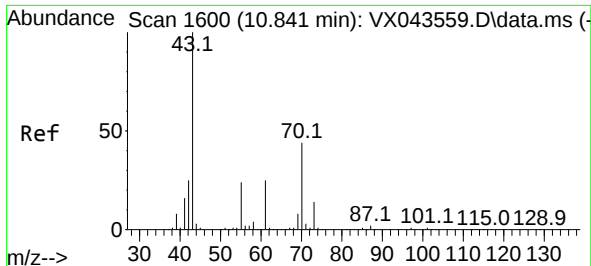
Tgt Ion:117 Resp: 220188
Ion Ratio Lower Upper
117 100
82 50.7 42.1 63.1
119 31.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

Tgt Ion:152 Resp: 100651
Ion Ratio Lower Upper
152 100
115 60.6 42.9 128.7
150 157.1 0.0 343.6

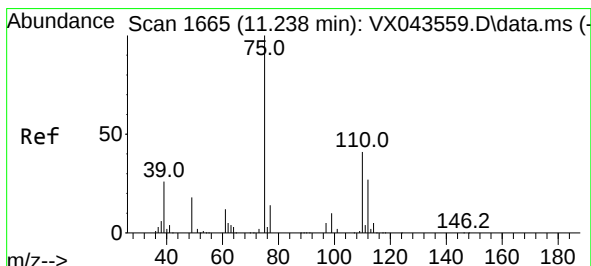
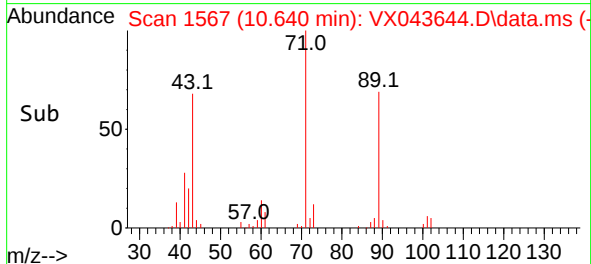
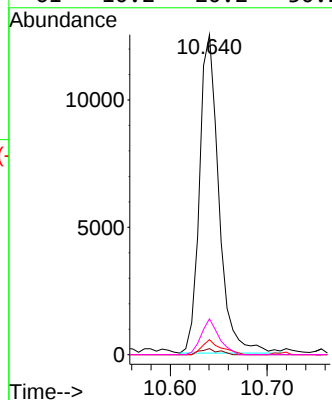
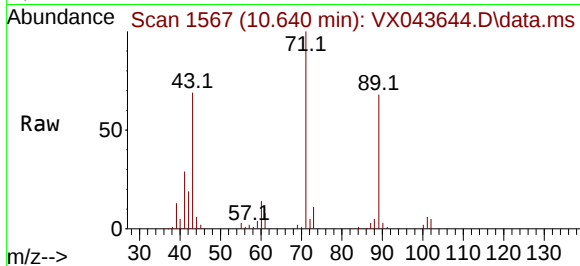




#74
N-amy1 acetate
Concen: 5.028 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

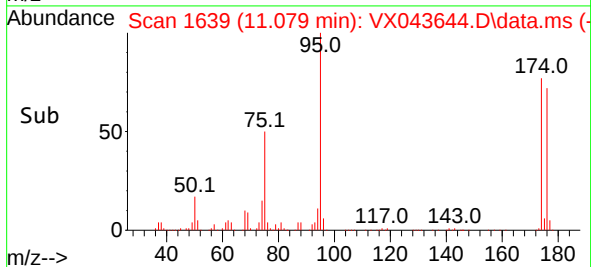
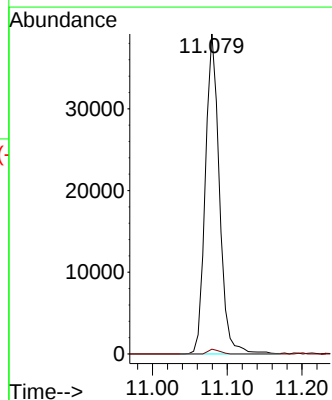
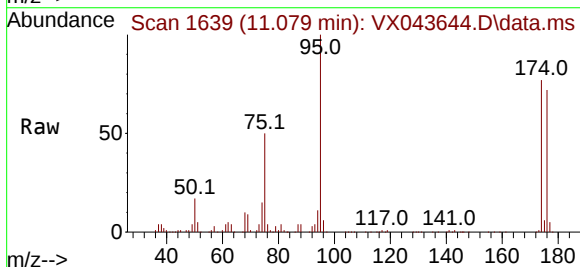
Instrument :
MSVOA_X
ClientSampleId :

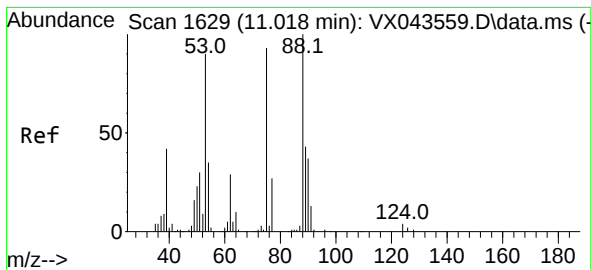
Tgt Ion: 43	Resp: 17463
Ion Ratio	Lower Upper
43	100
70	1.8 34.6 52.0#
55	4.5 19.6 29.4#
61	10.2 20.2 30.2#



#76
1,2,3-Trichloropropane
Concen: 23.812 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043644.D
Acq: 31 Oct 2024 12:23

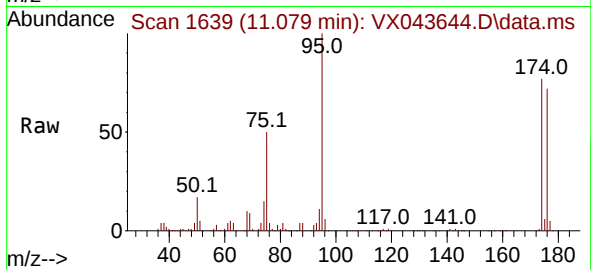
Tgt Ion: 75	Resp: 51244
Ion Ratio	Lower Upper
75	100
77	1.2 22.4 67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.507 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX043644.D
 Acq: 31 Oct 2024 12:23

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 51244
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 126.8#
 89 0.0 38.6 58.0#

