

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102124\
 Data File : VX043468.D
 Acq On : 21 Oct 2024 20:26
 Operator : JC/MD
 Sample : P4458-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 22 02:45:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

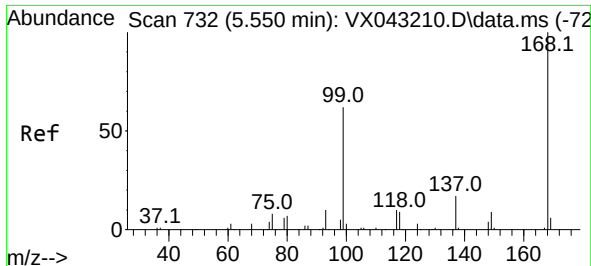
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	96342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	181205	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86296	54.846	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.700%	
35) Dibromofluoromethane	5.391	113	62029	49.637	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.280%	
50) Toluene-d8	8.647	98	215764	49.823	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.640%	
62) 4-Bromofluorobenzene	11.079	95	81114	51.557	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.120%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	158	0.335	ug/l	90
6) Chloroethane	1.648	64	107	0.249	ug/l #	26
11) Tert butyl alcohol	2.947	59	1528	5.103	ug/l #	71
13) Acrolein	2.239	56	90	0.318	ug/l	87
16) Acetone	2.386	43	24810	37.759	ug/l	100
18) Methyl Acetate	2.709	43	3671	2.227	ug/l	95
20) Methylene Chloride	2.788	84	3039	2.508	ug/l #	81
23) Vinyl Acetate	3.709	43	54	6.353	ug/l #	71
25) 2-Butanone	4.605	43	2869	3.184	ug/l #	83
31) Cyclohexane	5.556	56	2433	1.433	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	8394	5.317	ug/l #	49
38) Carbon Tetrachloride	5.556	117	11011	5.892	ug/l #	15
43) Isopropyl Acetate	6.342	43	98823	31.559	ug/l	98
48) Methyl methacrylate	7.799	41	83844	54.569	ug/l #	45
49) 1,4-Dioxane	7.799	88	186	6.228	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	74275	39.054	ug/l #	47
53) t-1,3-Dichloropropene	8.958	75	649	0.353	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	31785	16.116	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	3867	1.904	ug/l #	43
59) 2-Hexanone	9.482	43	56943	39.593	ug/l #	53
74) N-amyl acetate	10.817	43	779	0.290	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	44460	27.520	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	44460	71.323	ug/l #	8

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

Quant Time: Oct 22 02:45:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration



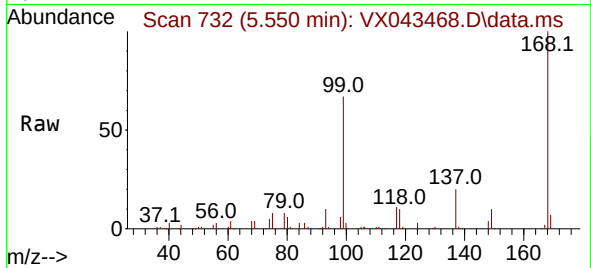


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

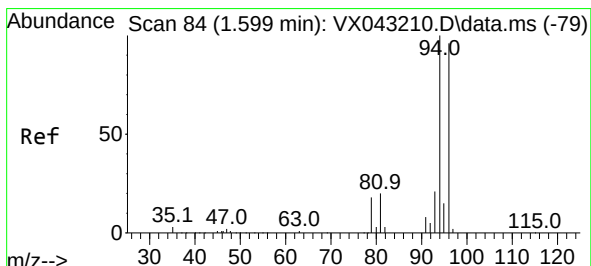
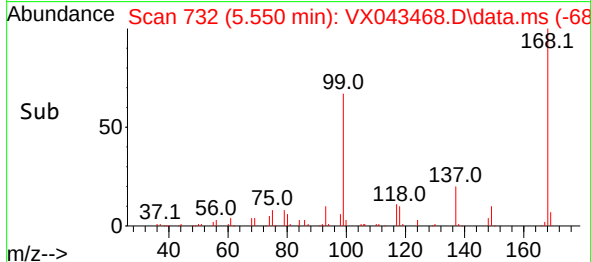
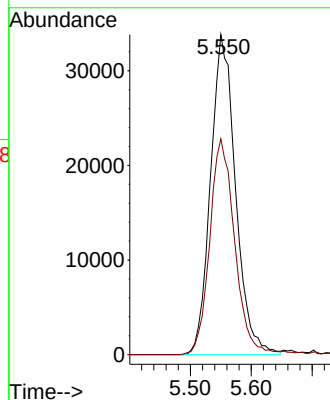
Instrument :

MSVOA_X

ClientSampleId :

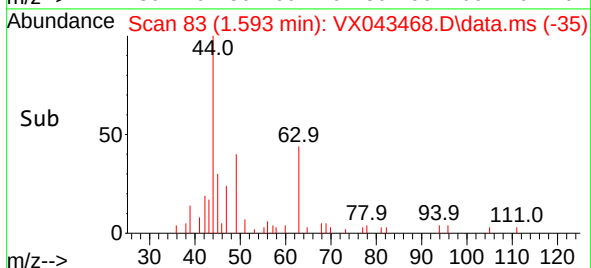
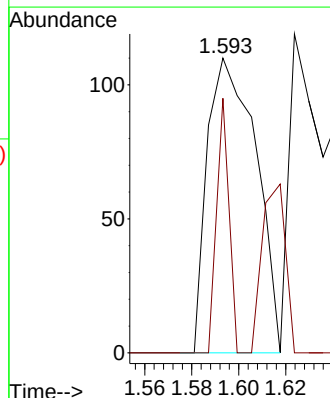
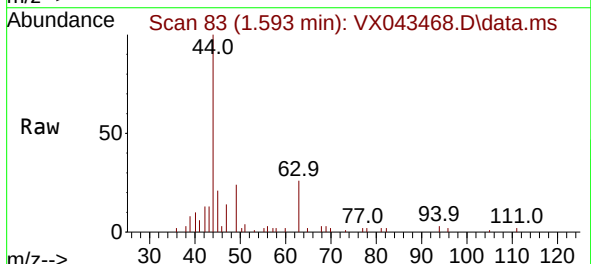


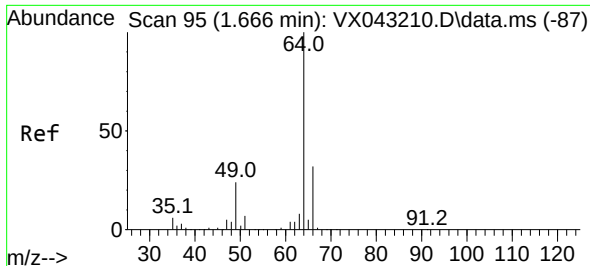
Tgt Ion:168 Resp: 96342
Ion Ratio Lower Upper
168 100
99 67.5 49.7 74.5



#5
Bromomethane
Concen: 0.335 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

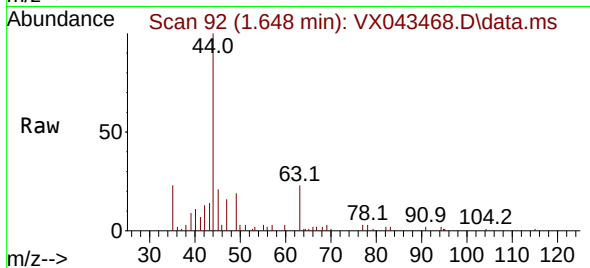
Tgt Ion: 94 Resp: 158
Ion Ratio Lower Upper
94 100
96 86.4 76.6 115.0



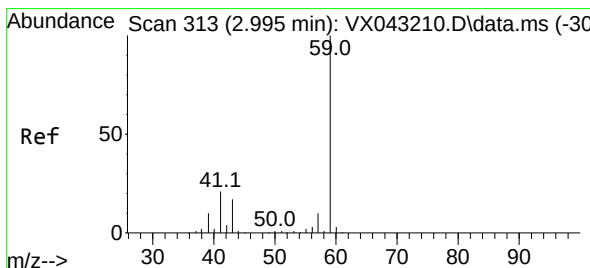
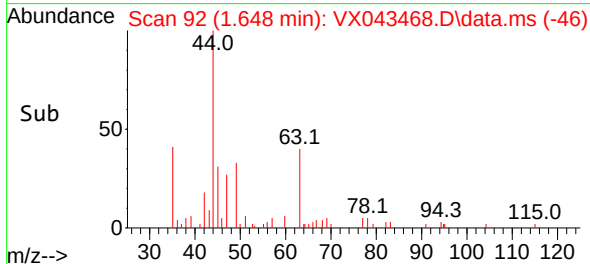
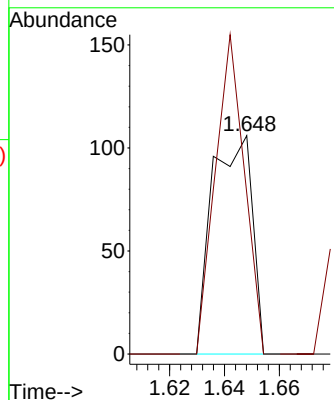


#6
 Chloroethane
 Concen: 0.249 ug/l
 RT: 1.648 min Scan# 91
 Delta R.T. -0.018 min
 Lab File: VX043468.D
 Acq: 21 Oct 2024 20:26

Instrument :
 MSVOA_X
 ClientSampleId :

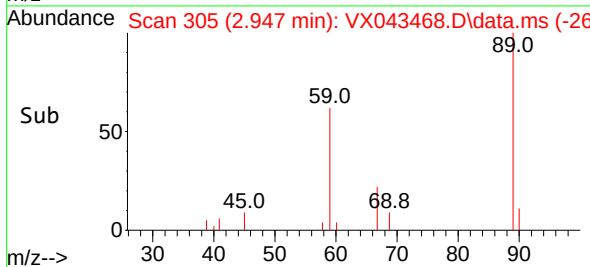
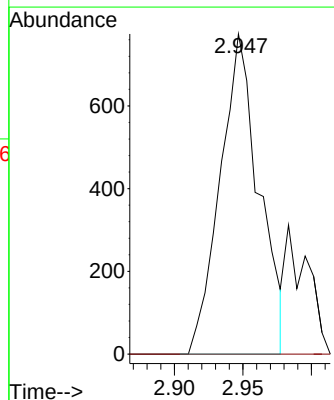
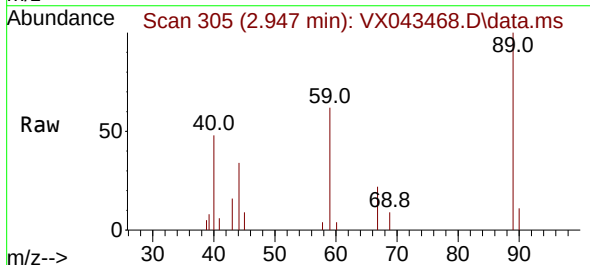


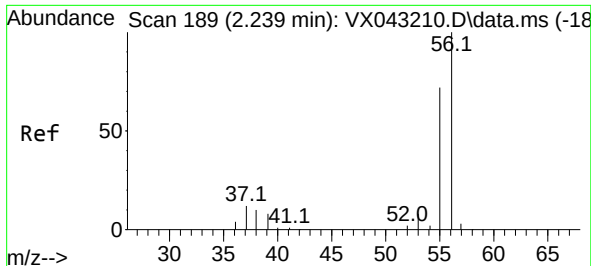
Tgt Ion: 64 Resp: 107
 Ion Ratio Lower Upper
 64 100
 66 73.6 25.8 38.8#



#11
 Tert butyl alcohol
 Concen: 5.103 ug/l
 RT: 2.947 min Scan# 305
 Delta R.T. -0.049 min
 Lab File: VX043468.D
 Acq: 21 Oct 2024 20:26

Tgt Ion: 59 Resp: 1528
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#





#13

Acrolein

Concen: 0.318 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043468.D

Acq: 21 Oct 2024 20:26

Instrument :

MSVOA_X

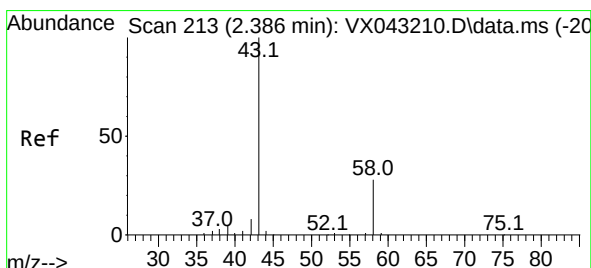
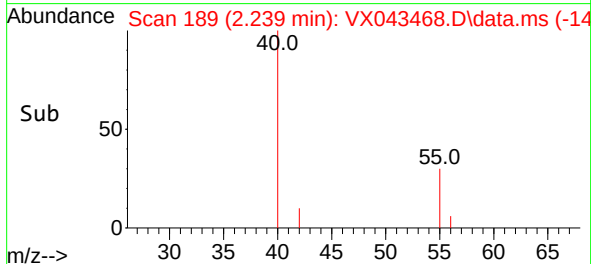
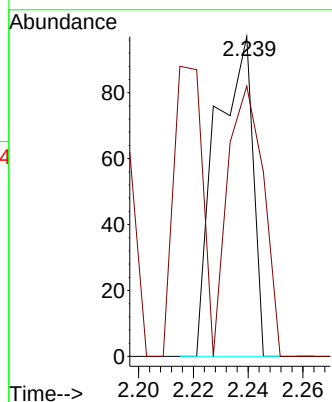
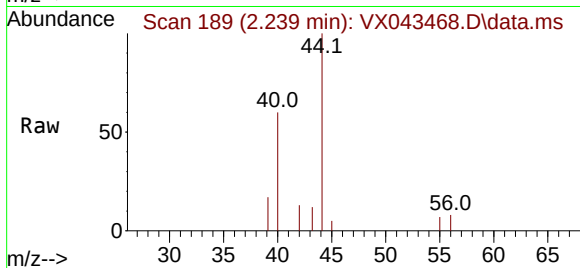
ClientSampleId :

Tgt Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 82.2 57.4 86.0



#16

Acetone

Concen: 37.759 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX043468.D

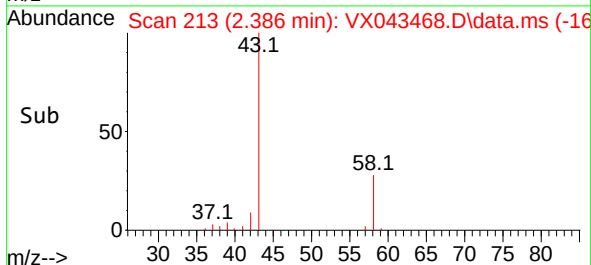
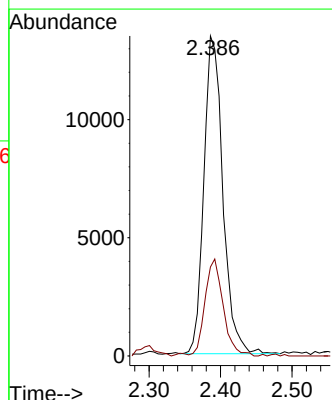
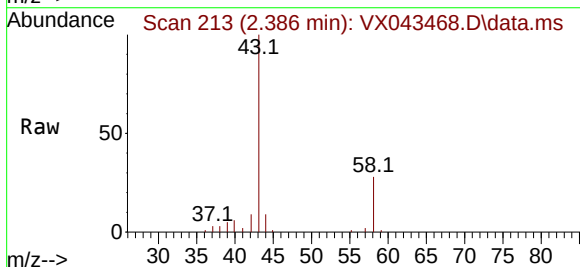
Acq: 21 Oct 2024 20:26

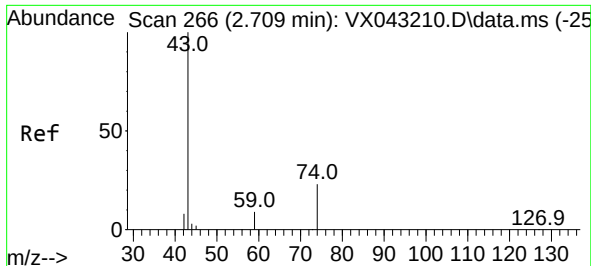
Tgt Ion: 43 Resp: 24810

Ion Ratio Lower Upper

43 100

58 28.0 22.6 33.8

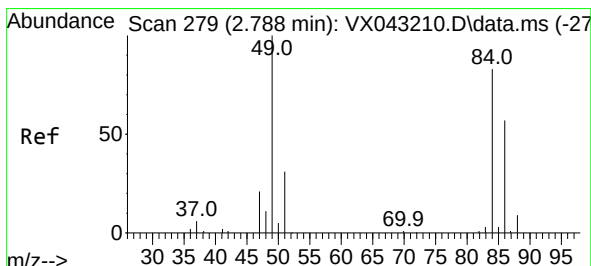
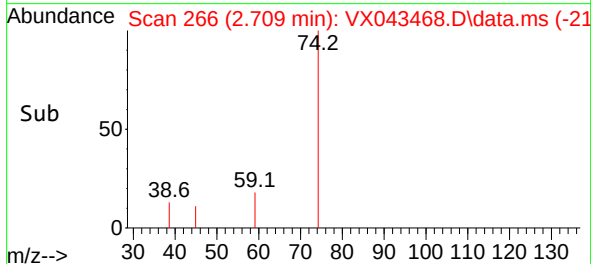
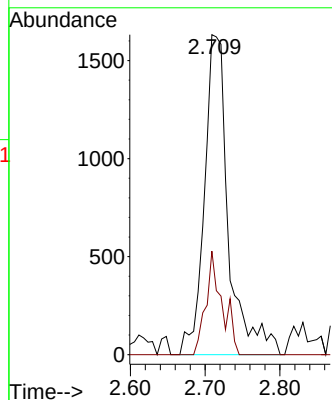
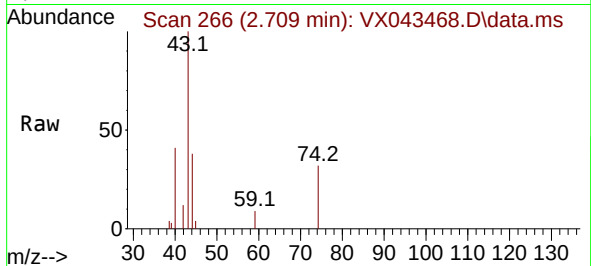




#18
Methyl Acetate
Concen: 2.227 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

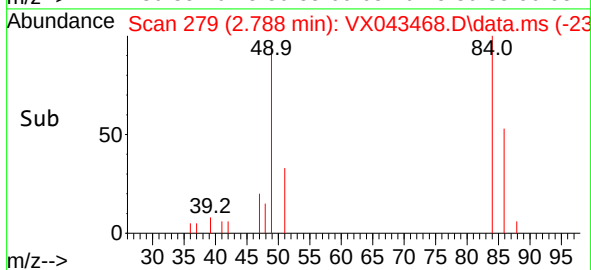
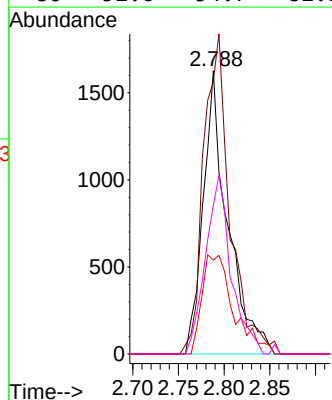
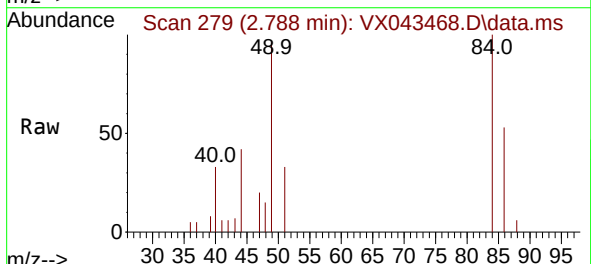
Instrument :
MSVOA_X
ClientSampleId :

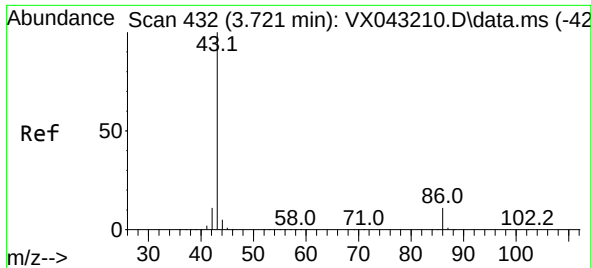
Tgt Ion: 43 Resp: 3671
Ion Ratio Lower Upper
43 100
74 21.7 19.1 28.7



#20
Methylene Chloride
Concen: 2.508 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

Tgt Ion: 84 Resp: 3039
Ion Ratio Lower Upper
84 100
49 96.1 96.7 145.1#
51 33.2 30.4 45.6
86 52.6 54.7 82.1#

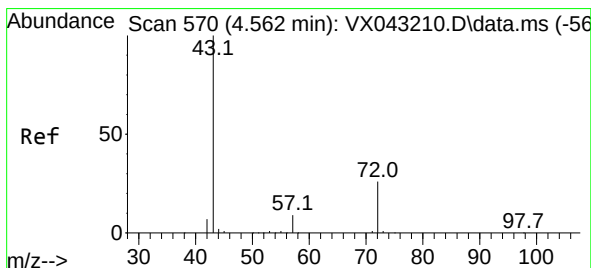
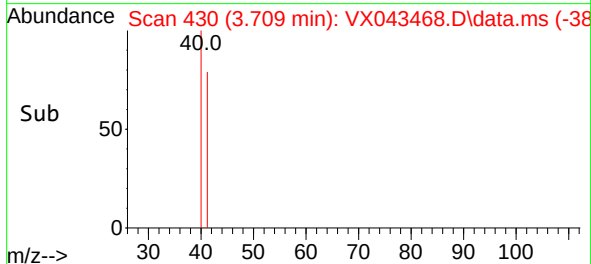
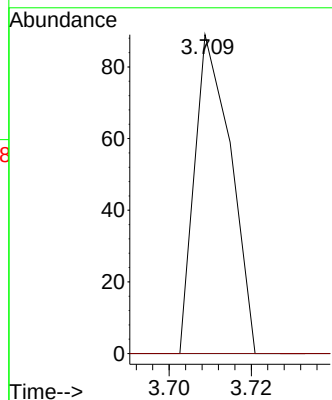
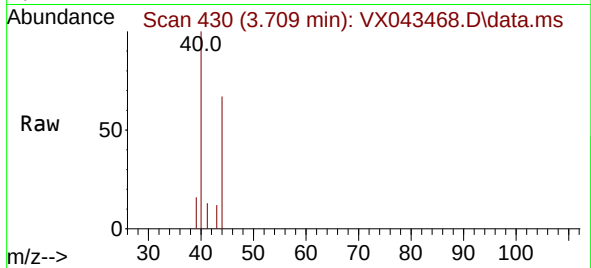




#23
 Vinyl Acetate
 Concen: 6.353 ug/l
 RT: 3.709 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: VX043468.D
 Acq: 21 Oct 2024 20:26

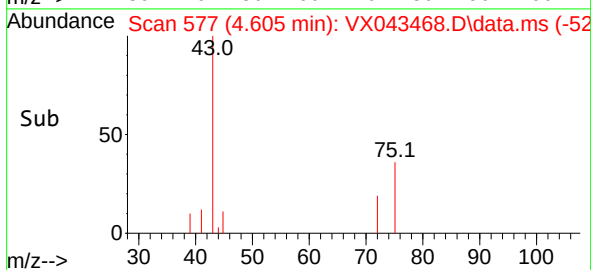
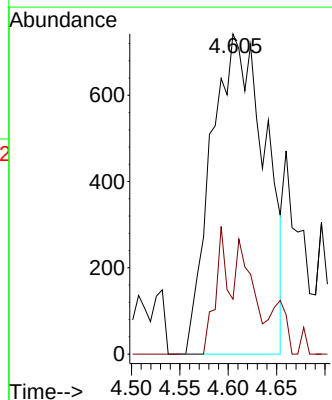
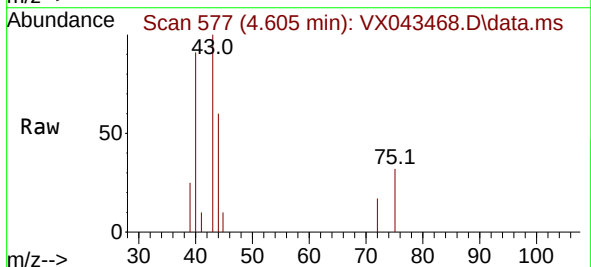
Instrument :
 MSVOA_X
 ClientSampleId :

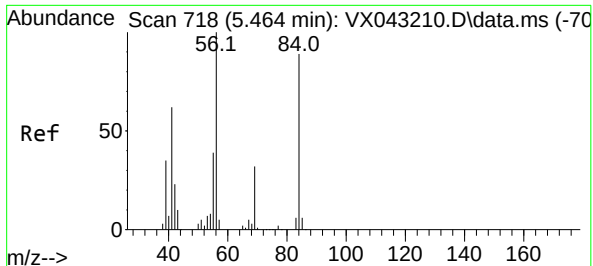
Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 3.184 ug/l
 RT: 4.605 min Scan# 577
 Delta R.T. 0.043 min
 Lab File: VX043468.D
 Acq: 21 Oct 2024 20:26

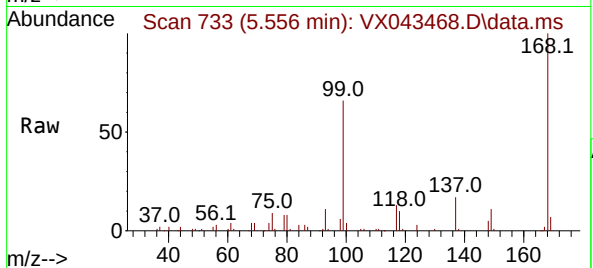
Tgt Ion: 43 Resp: 2869
 Ion Ratio Lower Upper
 43 100
 72 17.1 20.6 31.0#



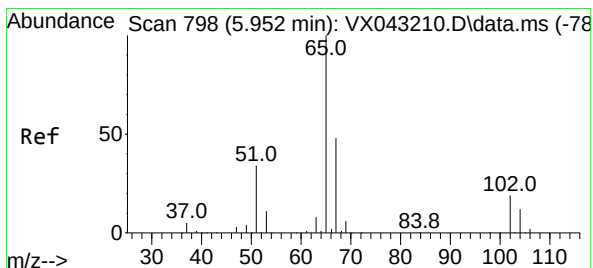
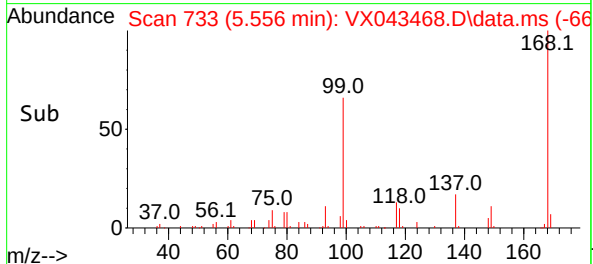
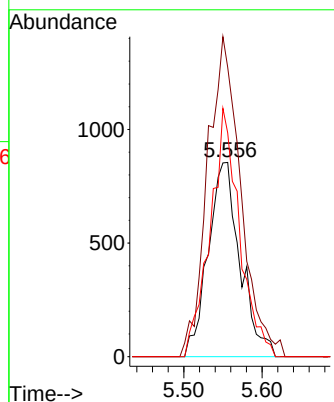


#31
Cyclohexane
Concen: 1.433 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

Instrument :
MSVOA_X
ClientSampleId :

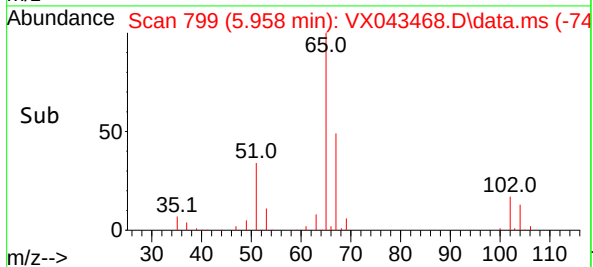
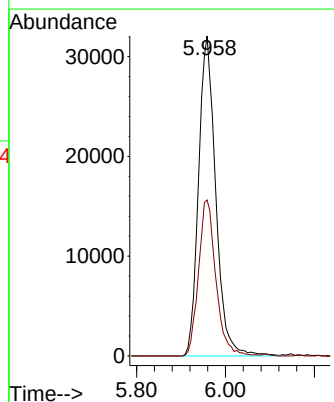
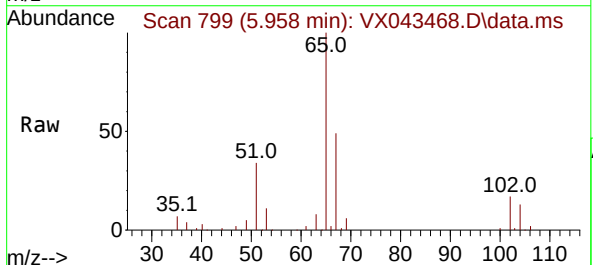


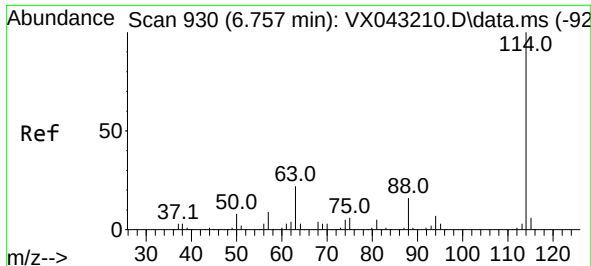
Tgt Ion: 56 Resp: 2433
Ion Ratio Lower Upper
56 100
69 148.9 25.8 38.6#
84 115.1 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 54.846 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

Tgt Ion: 65 Resp: 86296
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.0

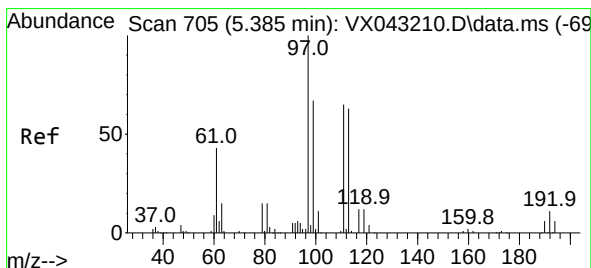
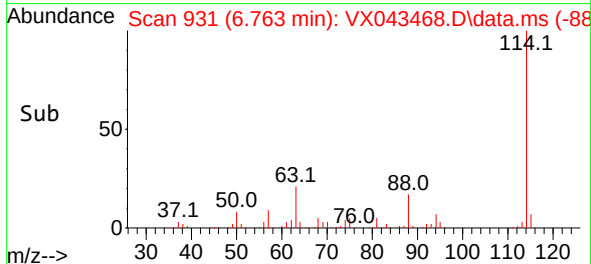
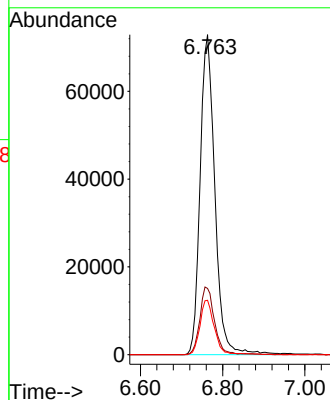
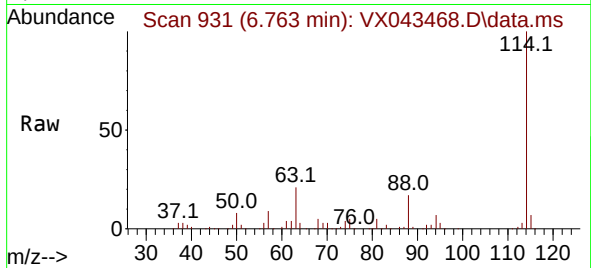




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

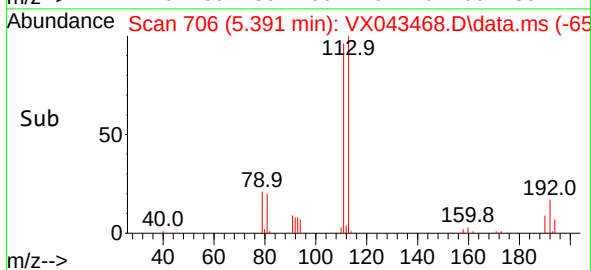
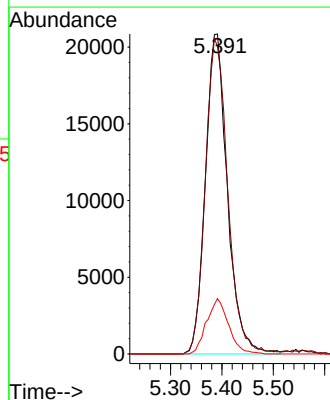
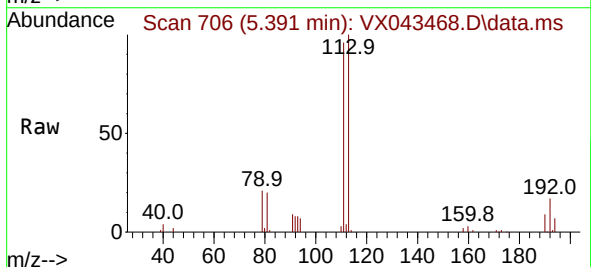
Instrument :
MSVOA_X
ClientSampleId :

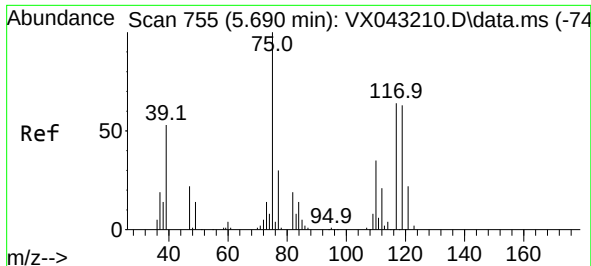
Tgt Ion:114 Resp: 181205
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.0
88 17.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.637 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

Tgt Ion:113 Resp: 62029
Ion Ratio Lower Upper
113 100
111 100.4 83.4 125.0
192 17.3 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.317 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

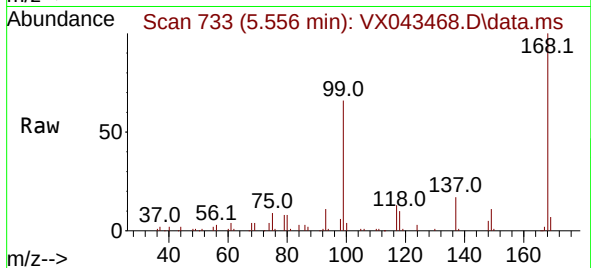
Lab File: VX043468.D

Acq: 21 Oct 2024 20:26

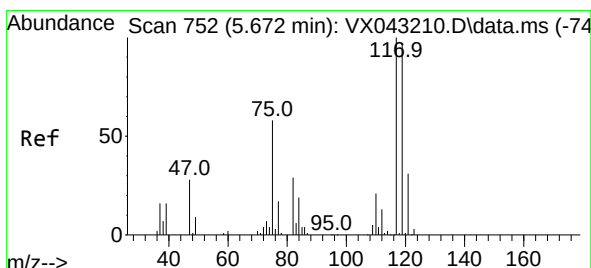
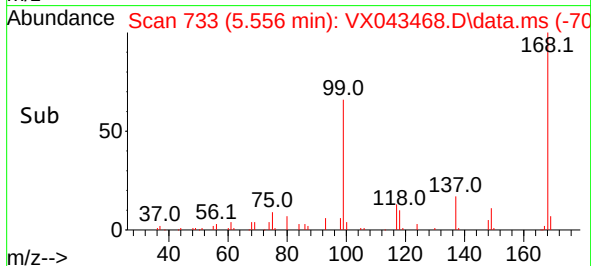
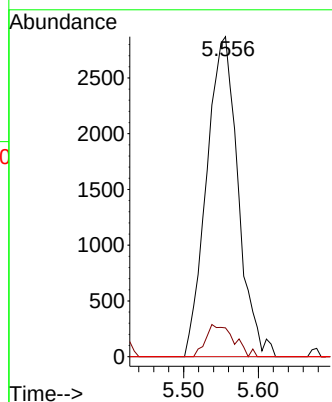
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 75	Resp: 8394
Ion Ratio	Lower Upper
75	100
110	8.9 17.8 53.3#
77	0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.892 ug/l

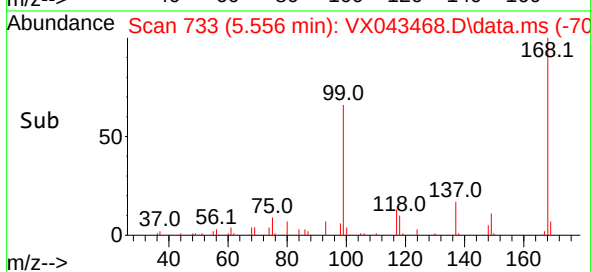
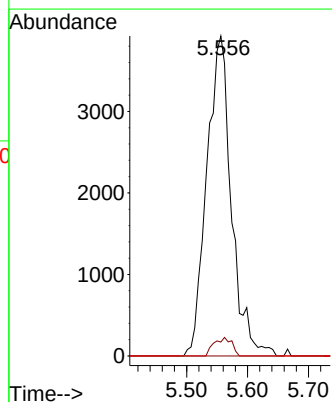
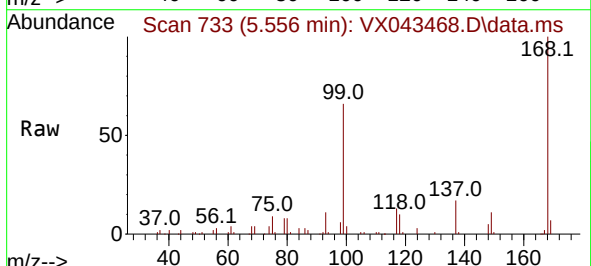
RT: 5.556 min Scan# 733

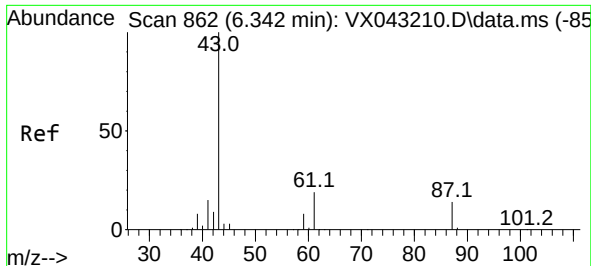
Delta R.T. -0.116 min

Lab File: VX043468.D

Acq: 21 Oct 2024 20:26

Tgt Ion: 117	Resp: 11011
Ion Ratio	Lower Upper
117	100
119	4.4 77.7 116.5#
121	0.0 24.3 36.5#

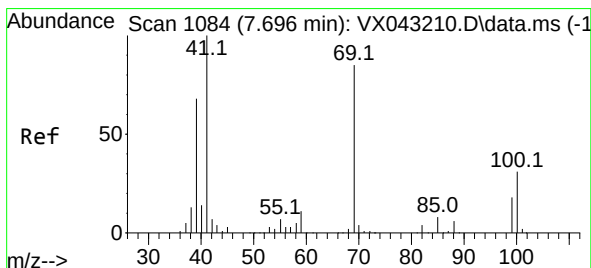
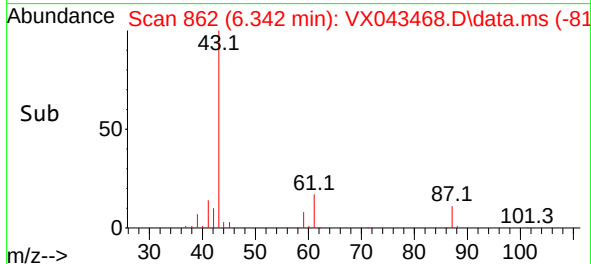
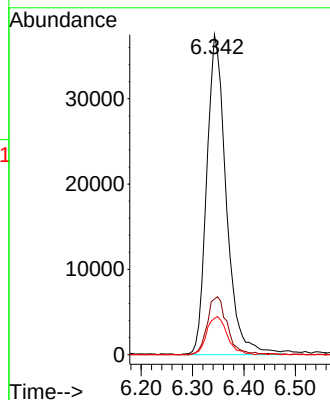
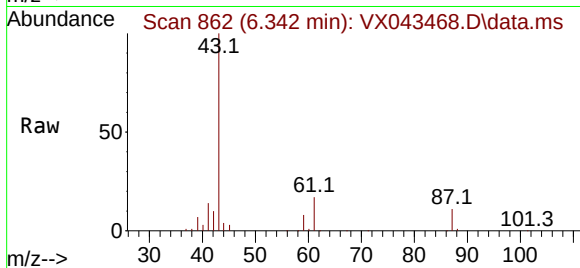




#43
Isopropyl Acetate
Concen: 31.559 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

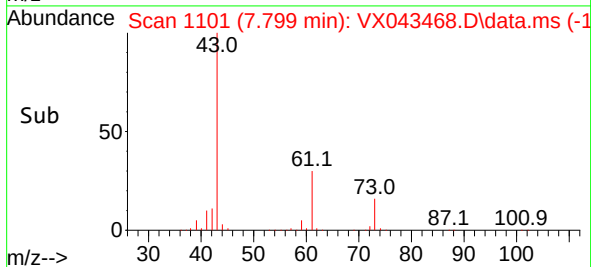
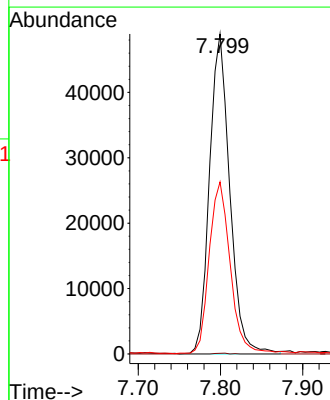
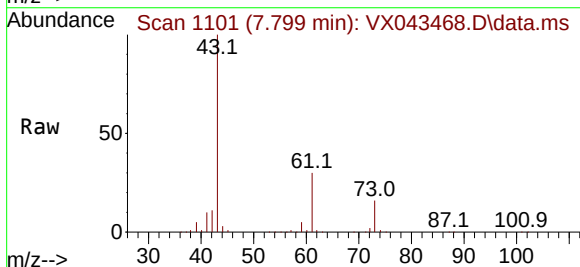
Instrument :
MSVOA_X
ClientSampleId :

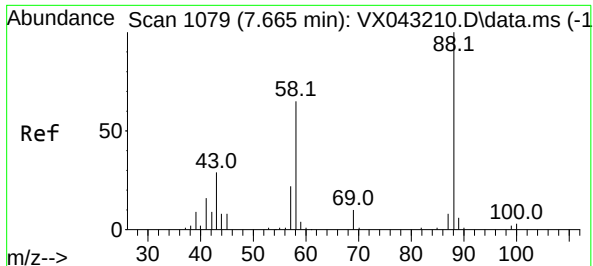
Tgt Ion: 43 Resp: 98823
Ion Ratio Lower Upper
43 100
61 18.4 15.1 22.7
87 12.5 10.8 16.2



#48
Methyl methacrylate
Concen: 54.569 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

Tgt Ion: 41 Resp: 83844
Ion Ratio Lower Upper
41 100
69 0.2 64.1 96.1#
39 55.9 52.8 79.2





#49

1,4-Dioxane

Concen: 6.228 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX043468.D

Acq: 21 Oct 2024 20:26

Instrument :

MSVOA_X

ClientSampleId :

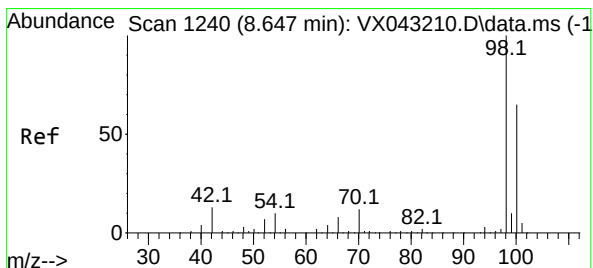
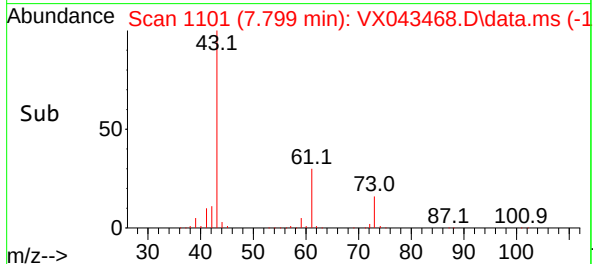
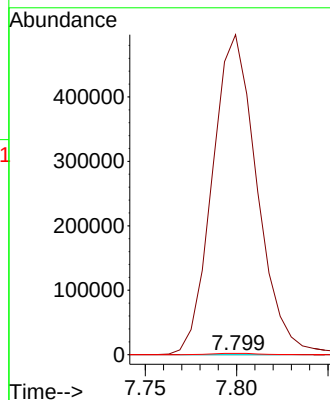
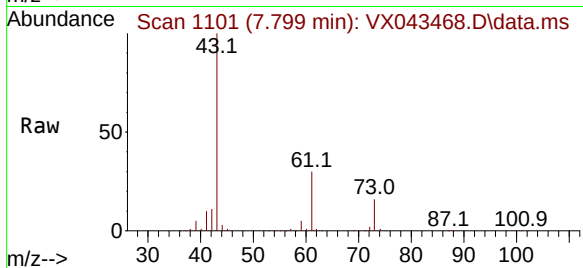
Tgt Ion: 88 Resp: 186

Ion Ratio Lower Upper

88 100

43 464188.2 29.5 44.3#

58 2006.5 55.2 82.8#



#50

Toluene-d8

Concen: 49.823 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043468.D

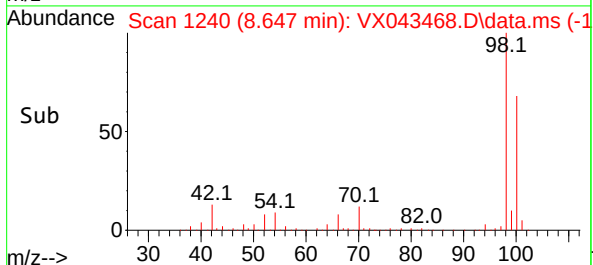
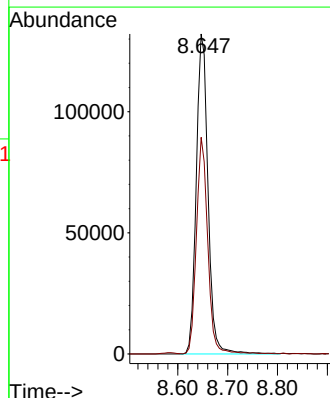
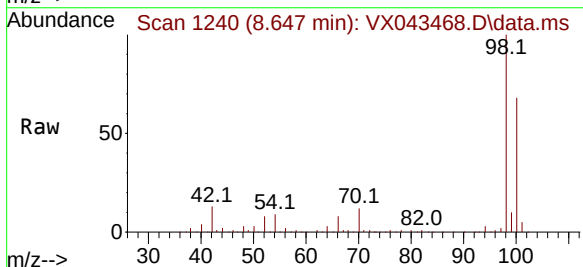
Acq: 21 Oct 2024 20:26

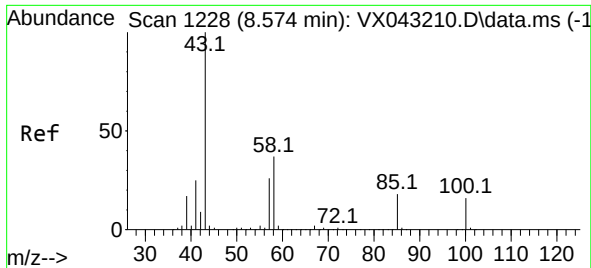
Tgt Ion: 98 Resp: 215764

Ion Ratio Lower Upper

98 100

100 65.0 52.4 78.6

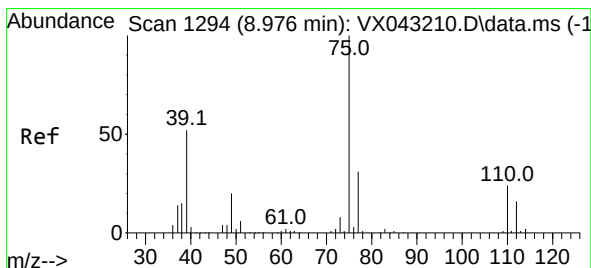
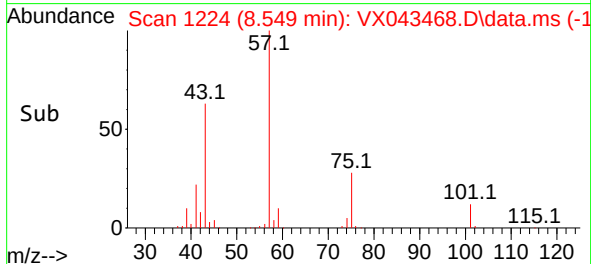
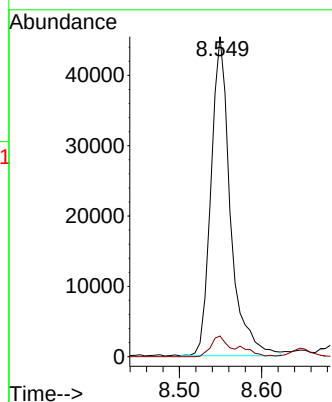
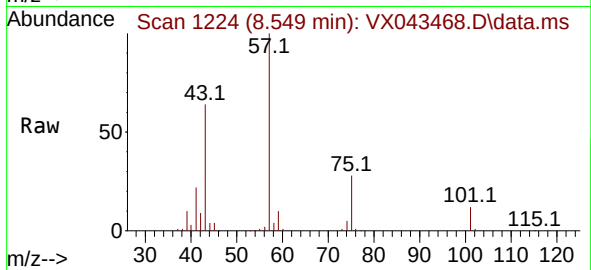




#51
4-Methyl-2-Pentanone
Concen: 39.054 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

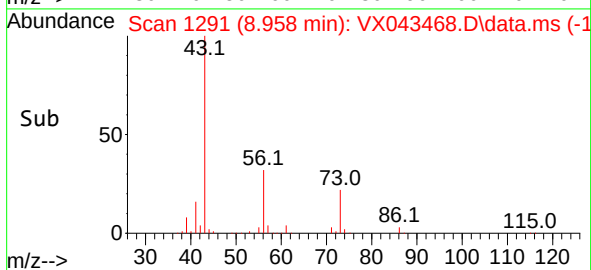
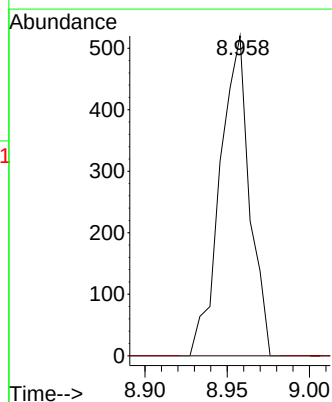
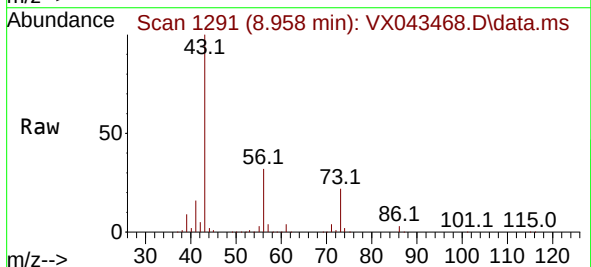
Instrument :
MSVOA_X
ClientSampleId :

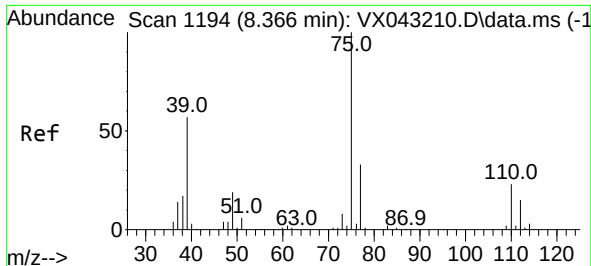
Tgt Ion: 43 Resp: 74275
Ion Ratio Lower Upper
43 100
58 5.8 30.0 45.0#



#53
t-1,3-Dichloropropene
Concen: 0.353 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

Tgt Ion: 75 Resp: 649
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

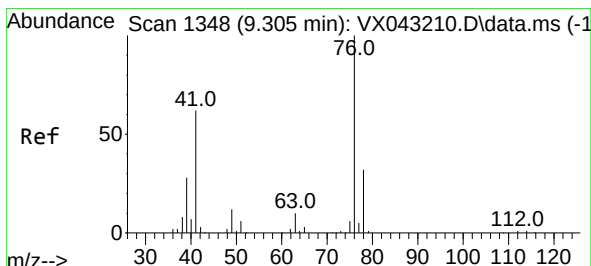
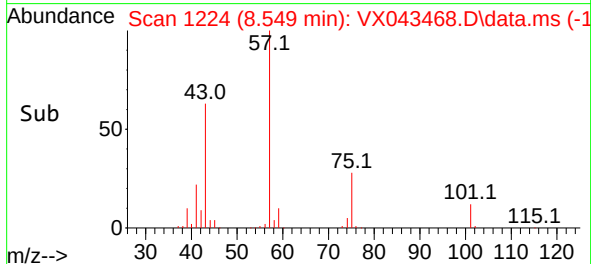
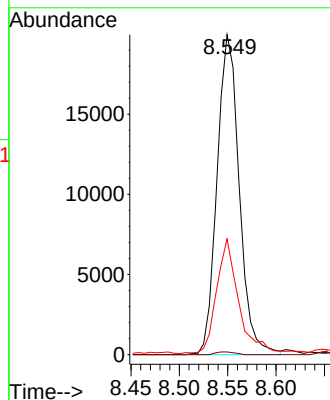
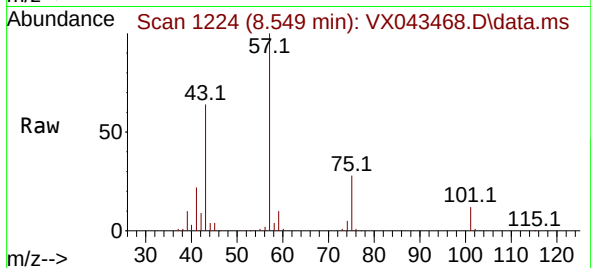




#54
 cis-1,3-Dichloropropene
 Concen: 16.116 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043468.D
 Acq: 21 Oct 2024 20:26

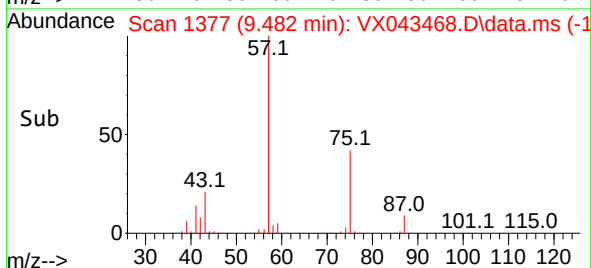
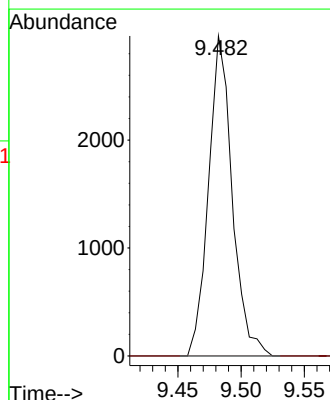
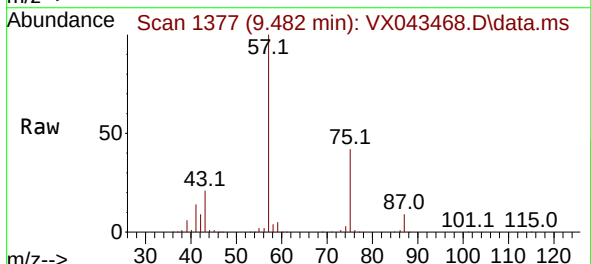
Instrument :
 MSVOA_X
 ClientSampleId :

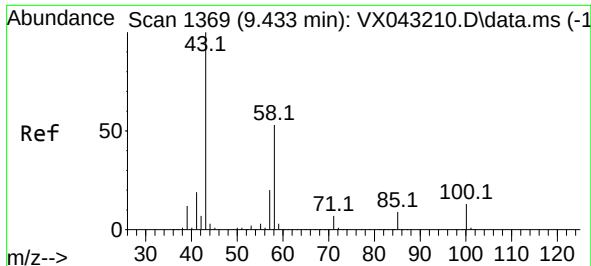
Tgt Ion: 75 Resp: 31785
 Ion Ratio Lower Upper
 75 100
 77 0.9 26.0 39.0#
 39 35.8 45.8 68.8#



#57
 1,3-Dichloropropane
 Concen: 1.904 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043468.D
 Acq: 21 Oct 2024 20:26

Tgt Ion: 76 Resp: 3867
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

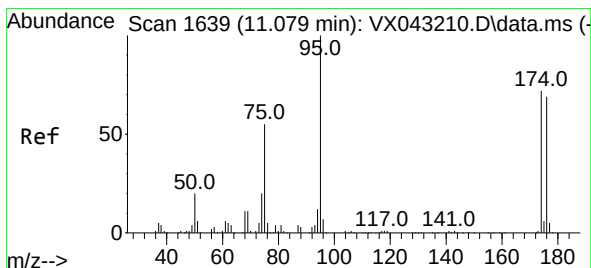
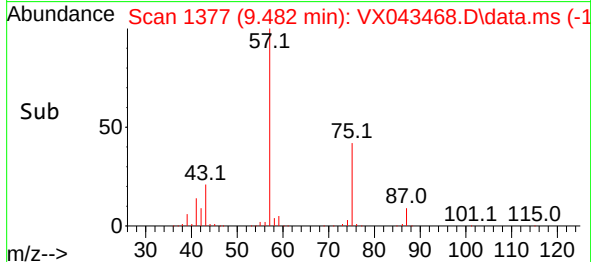
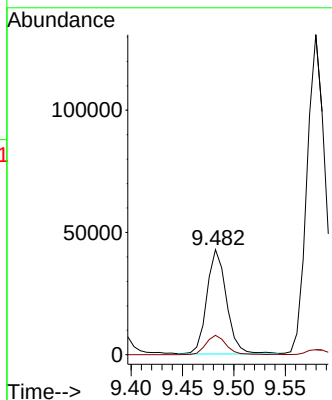
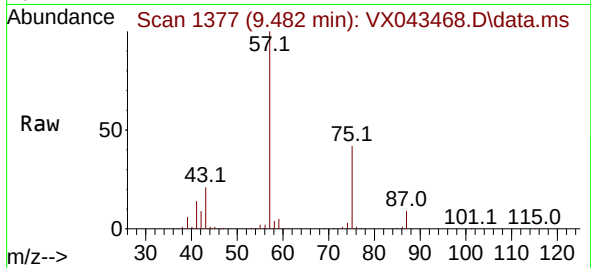




#59
2-Hexanone
Concen: 39.593 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

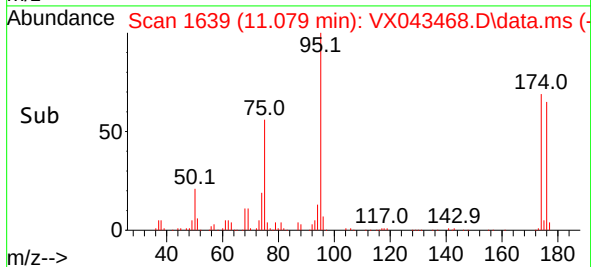
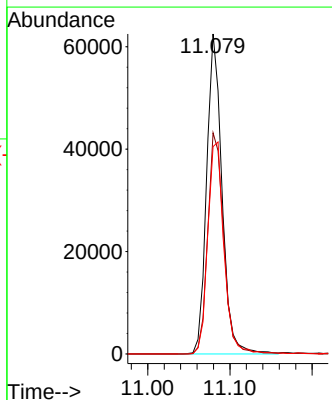
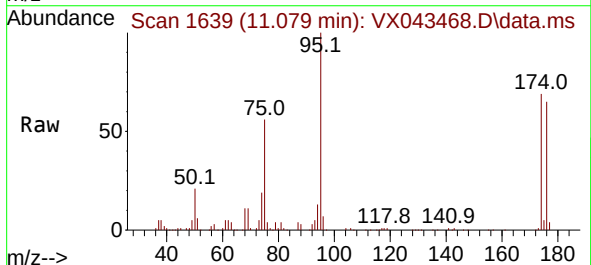
Instrument :
MSVOA_X
ClientSampleId :

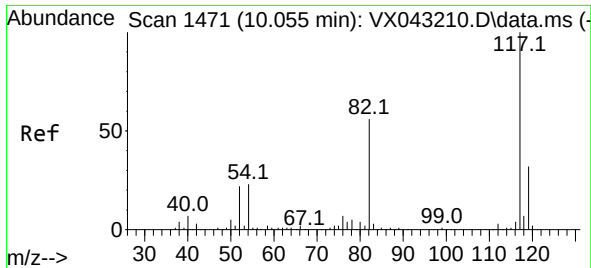
Tgt Ion: 43 Resp: 56943
Ion Ratio Lower Upper
43 100
58 19.2 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 51.557 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

Tgt Ion: 95 Resp: 81114
Ion Ratio Lower Upper
95 100
174 72.0 0.0 145.0
176 70.1 0.0 143.0

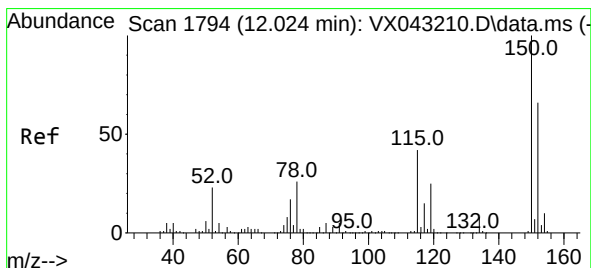
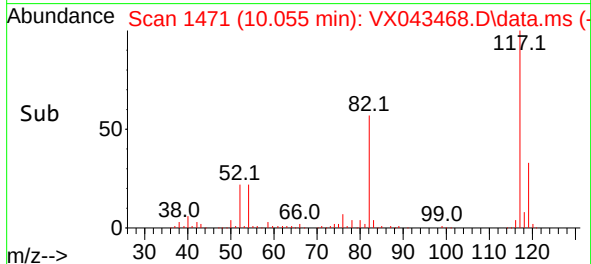
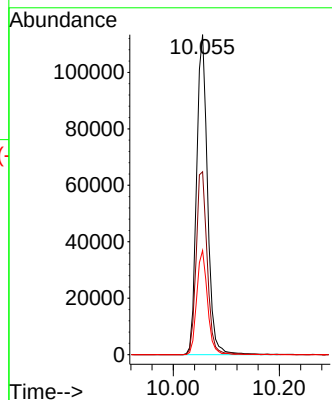
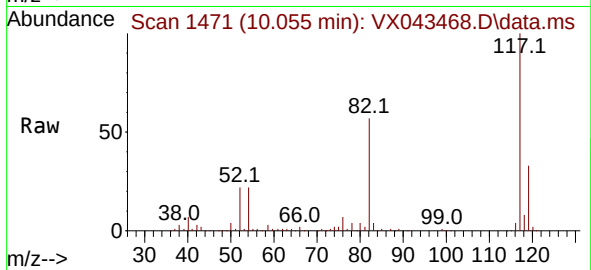




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

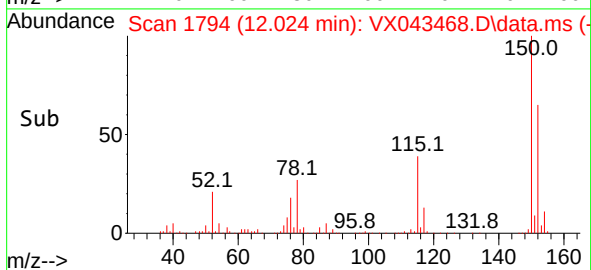
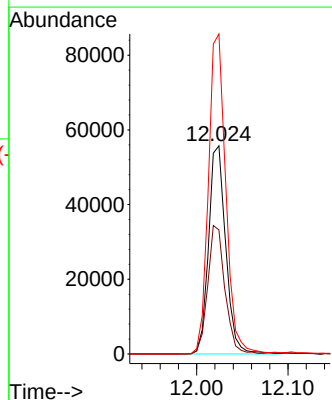
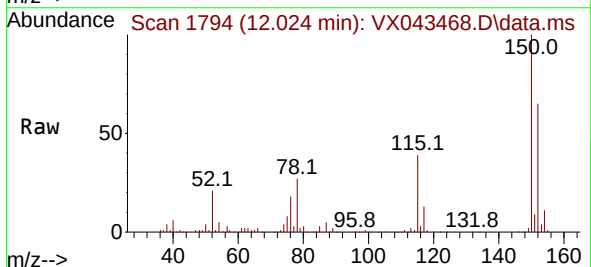
Instrument :
MSVOA_X
ClientSampleId :

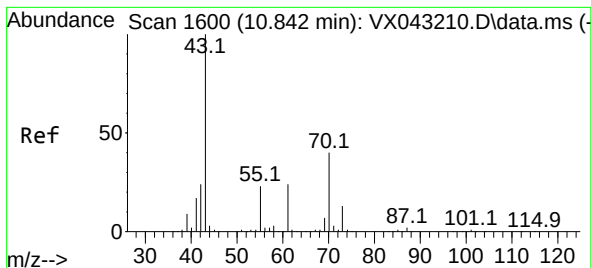
Tgt Ion:117 Resp: 162177
Ion Ratio Lower Upper
117 100
82 57.2 45.0 67.6
119 32.6 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

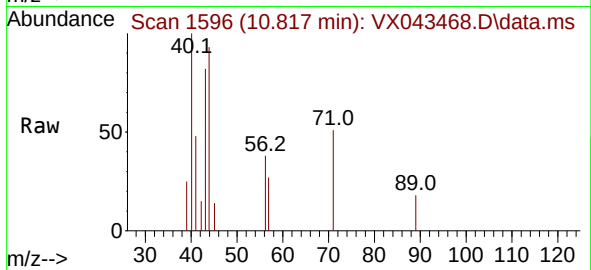
Tgt Ion:152 Resp: 72834
Ion Ratio Lower Upper
152 100
115 61.7 44.1 132.3
150 154.9 0.0 347.4



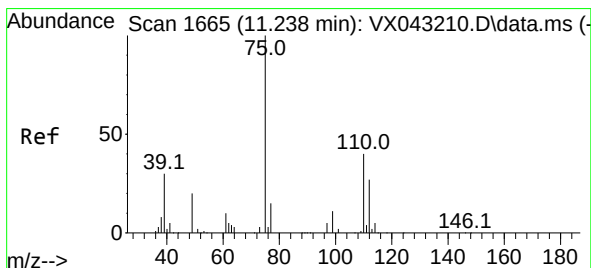
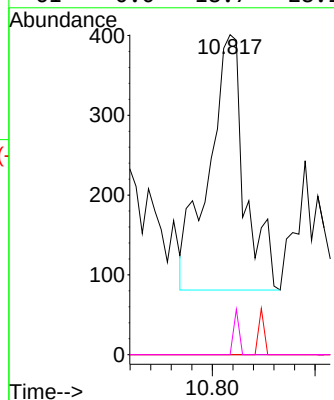
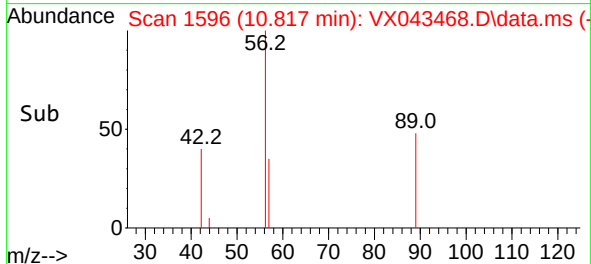


#74
N-amy1 acetate
Concen: 0.290 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

Instrument :
MSVOA_X
ClientSampleId :

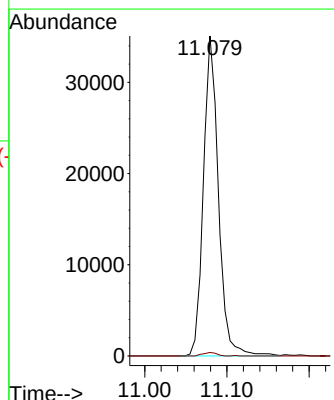
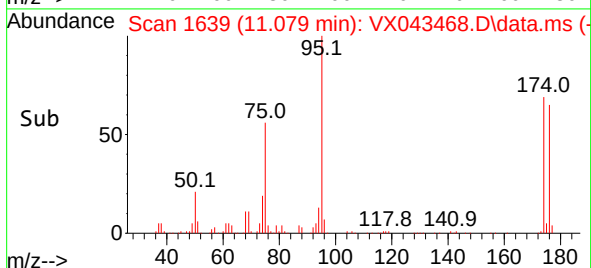
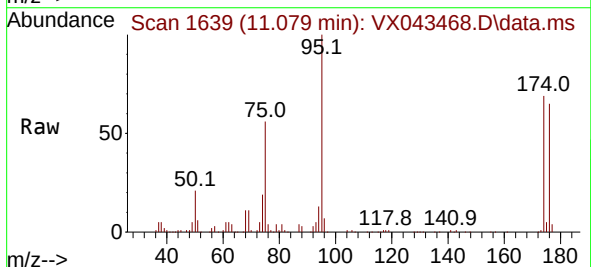


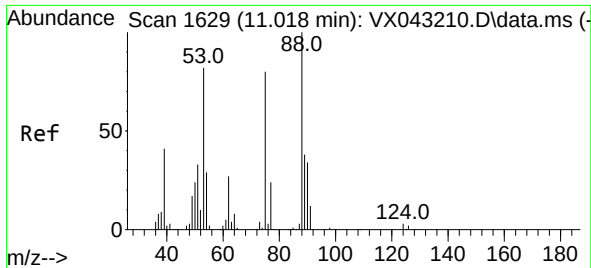
Tgt Ion: 43	Resp: 779
Ion Ratio	Lower Upper
43	100
70	0.0 33.1 49.7#
55	0.0 18.6 27.8#
61	0.0 18.7 28.1#



#76
1,2,3-Trichloropropane
Concen: 27.520 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043468.D
Acq: 21 Oct 2024 20:26

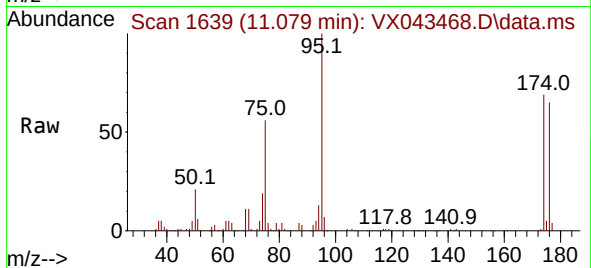
Tgt Ion: 75	Resp: 44460
Ion Ratio	Lower Upper
75	100
77	1.0 22.0 66.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.323 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043468.D
 Acq: 21 Oct 2024 20:26

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 44460
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.1 38.6 58.0#

