

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102124\
 Data File : VX043459.D
 Acq On : 21 Oct 2024 16:58
 Operator : JC/MD
 Sample : PB164196ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

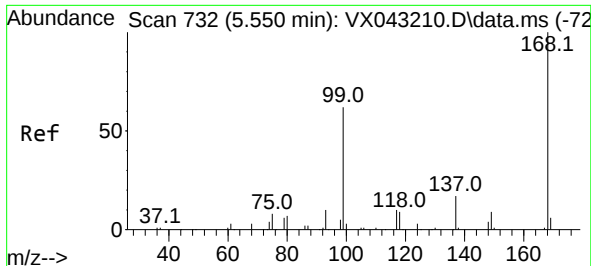
Quant Time: Oct 22 02:41:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	90350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171213	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78312	53.073	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.140%	
35) Dibromofluoromethane	5.385	113	56602	47.937	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.880%	
50) Toluene-d8	8.647	98	201078	49.141	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.280%	
62) 4-Bromofluorobenzene	11.079	95	75118	50.532	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.060%	
Target Compounds						Qvalue
5) Bromomethane	1.612	94	245	0.553	ug/l #	62
11) Tert butyl alcohol	2.947	59	1646	5.862	ug/l #	71
13) Acrolein	2.221	56	181	0.682	ug/l #	64
16) Acetone	2.386	43	35536	57.669	ug/l	100
18) Methyl Acetate	2.709	43	4486	2.902	ug/l	91
20) Methylene Chloride	2.794	84	2750	2.420	ug/l #	86
23) Vinyl Acetate	3.709	43	60	6.355	ug/l #	71
25) 2-Butanone	4.611	43	3126	3.700	ug/l	98
29) Tetrahydrofuran	5.056	42	943	1.752	ug/l #	43
31) Cyclohexane	5.544	56	2221	1.395	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	7735	5.185	ug/l #	51
37) Ethyl Acetate	4.745	43	593	0.331	ug/l #	68
38) Carbon Tetrachloride	5.556	117	10262	5.811	ug/l #	15
43) Isopropyl Acetate	6.348	43	100527	33.976	ug/l	99
48) Methyl methacrylate	7.799	41	88030	60.638	ug/l #	43
49) 1,4-Dioxane	7.793	88	46	1.630	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77044	42.874	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	647	0.372	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	33949	18.218	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	4346	2.265	ug/l #	43
59) 2-Hexanone	9.482	43	60303	44.376	ug/l #	54
74) N-amyl acetate	10.823	43	658	0.266	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	41230	27.733	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	41230	71.874	ug/l #	8

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

Quant Time: Oct 22 02:41:36 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

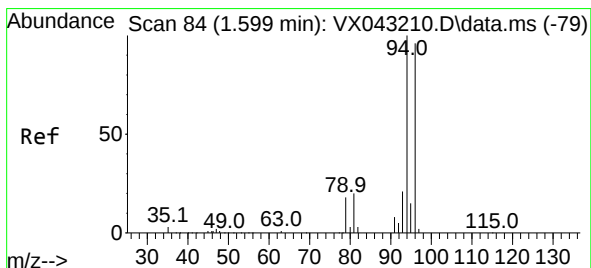
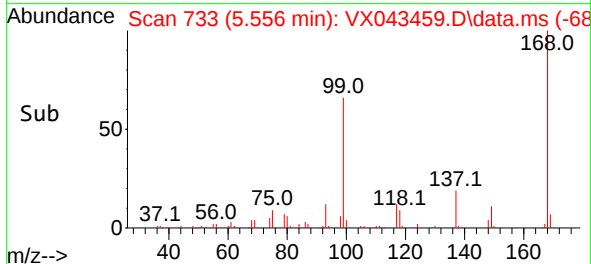
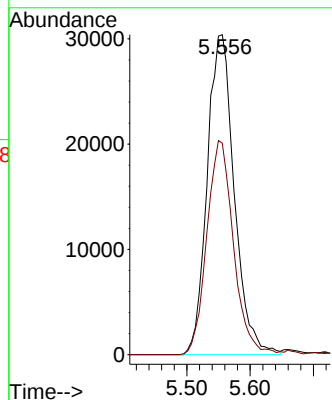
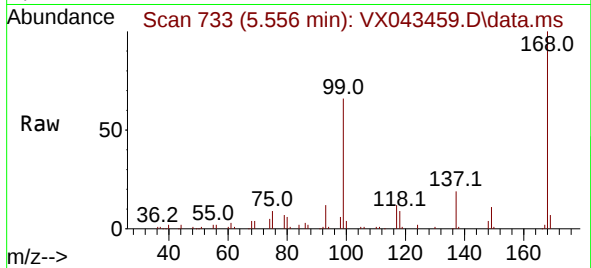




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

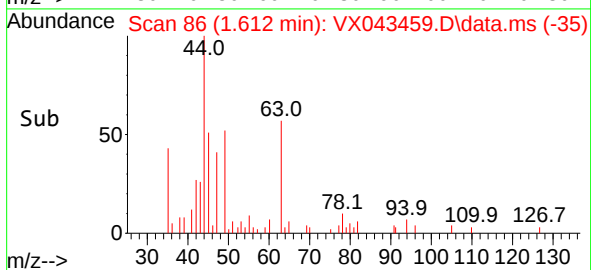
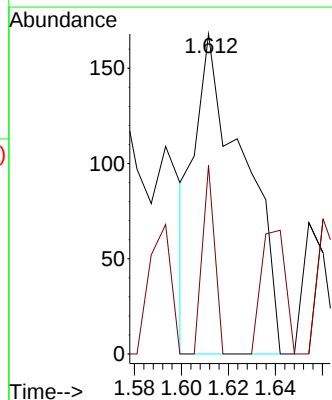
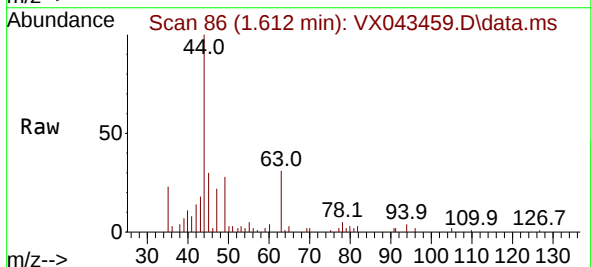
Instrument :
MSVOA_X
ClientSampleId :

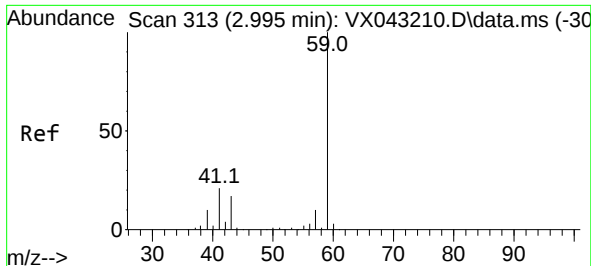
Tgt Ion:168 Resp: 90350
Ion Ratio Lower Upper
168 100
99 66.1 49.7 74.5



#5
Bromomethane
Concen: 0.553 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

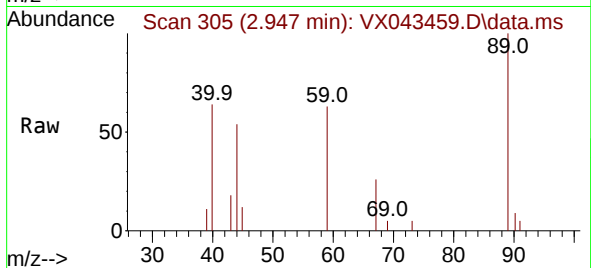
Tgt Ion: 94 Resp: 245
Ion Ratio Lower Upper
94 100
96 58.9 76.6 115.0#



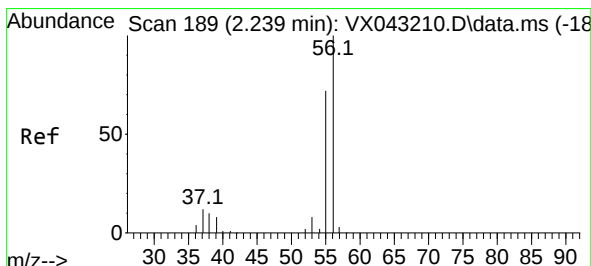
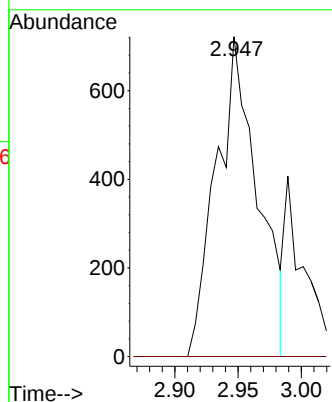
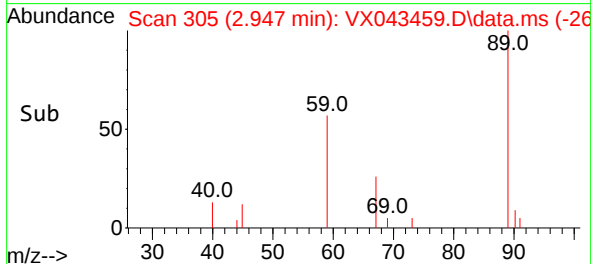


#11
Tert butyl alcohol
Concen: 5.862 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :

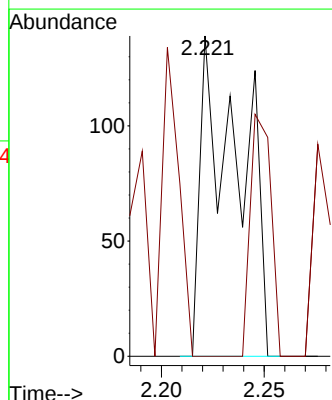
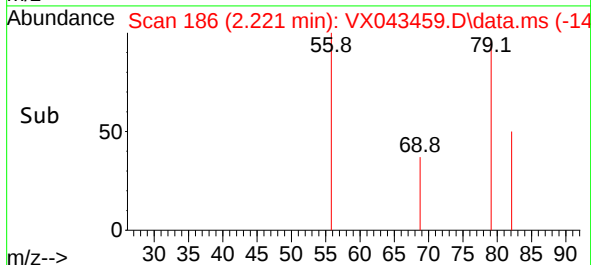
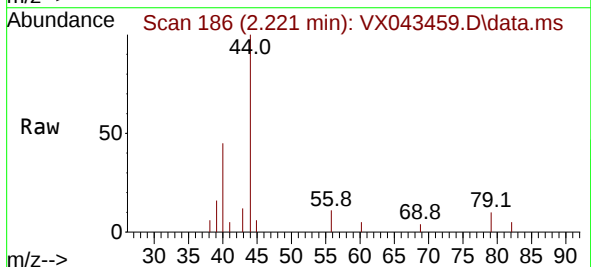


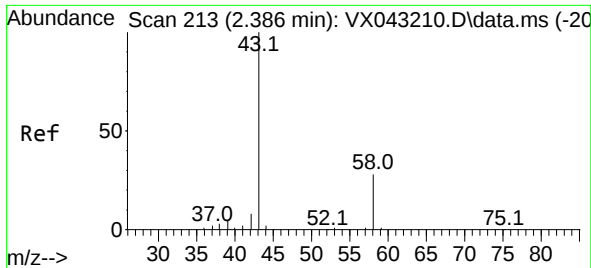
Tgt Ion: 59 Resp: 1646
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 0.682 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

Tgt Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 42.0 57.4 86.0#

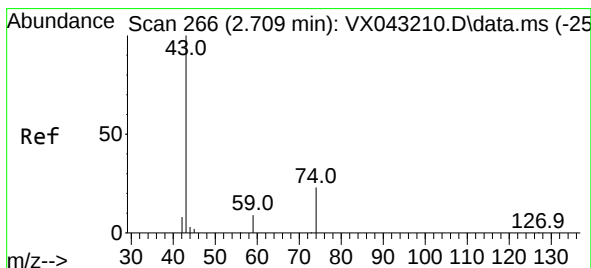
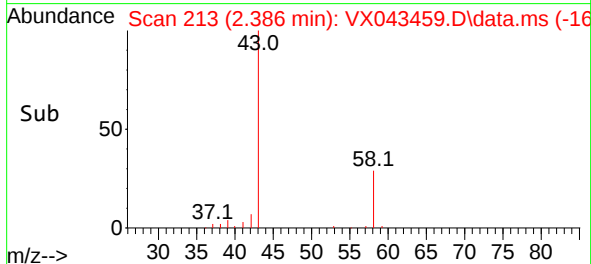
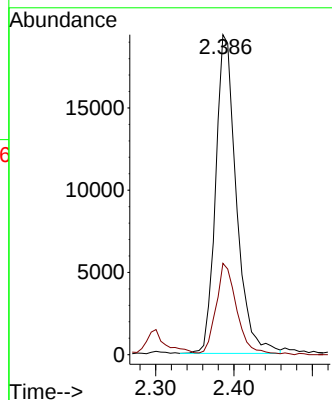
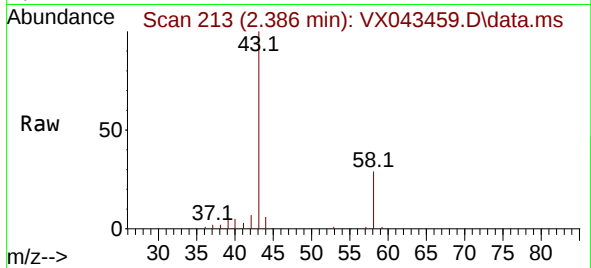




#16
Acetone
Concen: 57.669 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

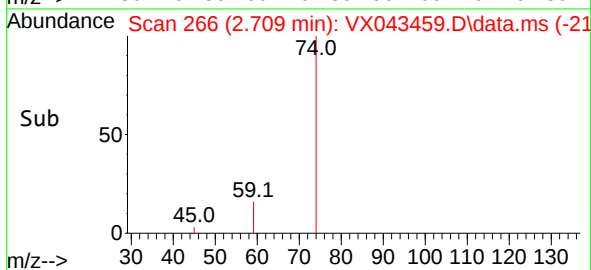
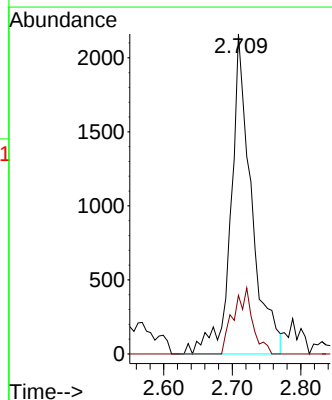
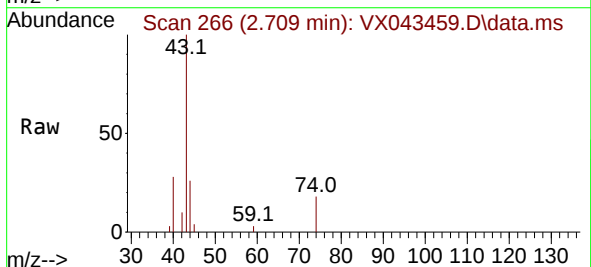
Instrument :
MSVOA_X
ClientSampleId :

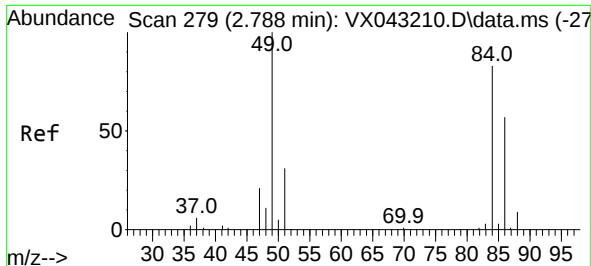
Tgt Ion: 43 Resp: 35536
Ion Ratio Lower Upper
43 100
58 28.4 22.6 33.8



#18
Methyl Acetate
Concen: 2.902 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

Tgt Ion: 43 Resp: 4486
Ion Ratio Lower Upper
43 100
74 19.4 19.1 28.7





#20

Methylene Chloride

Concen: 2.420 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

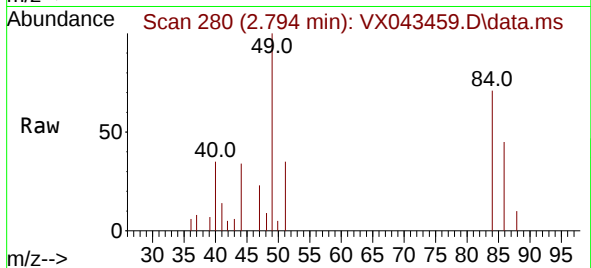
Lab File: VX043459.D

Acq: 21 Oct 2024 16:58

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 2750

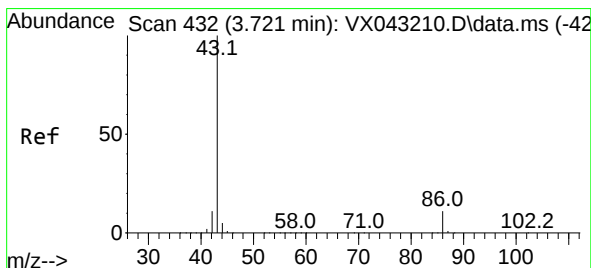
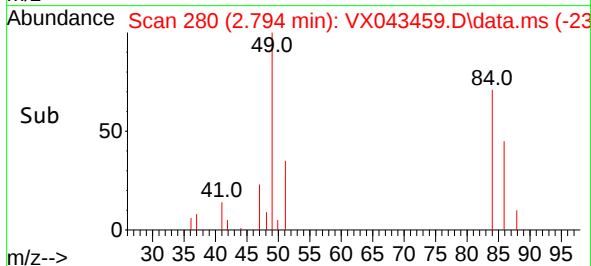
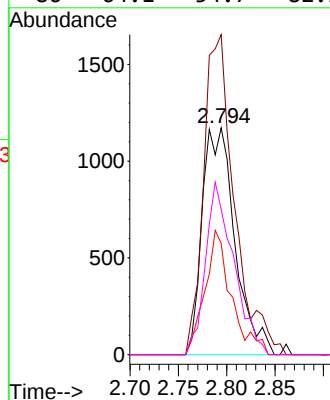
Ion Ratio Lower Upper

84 100

49 141.0 96.7 145.1

51 49.0 30.4 45.6#

86 64.1 54.7 82.1



#23

Vinyl Acetate

Concen: 6.355 ug/l

RT: 3.709 min Scan# 430

Delta R.T. -0.012 min

Lab File: VX043459.D

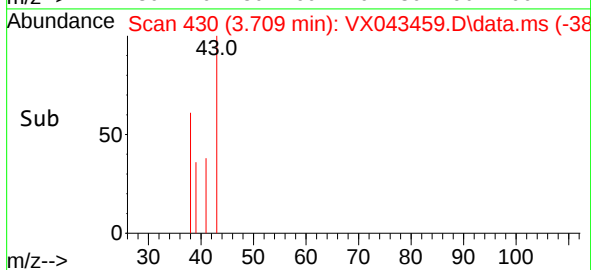
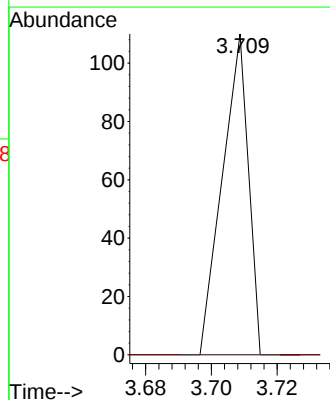
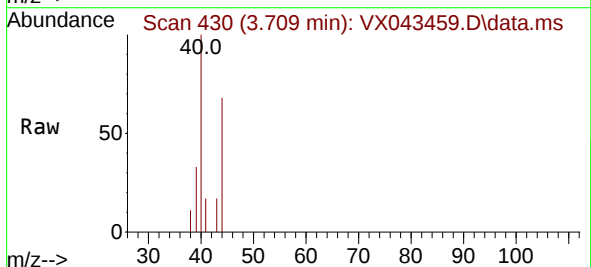
Acq: 21 Oct 2024 16:58

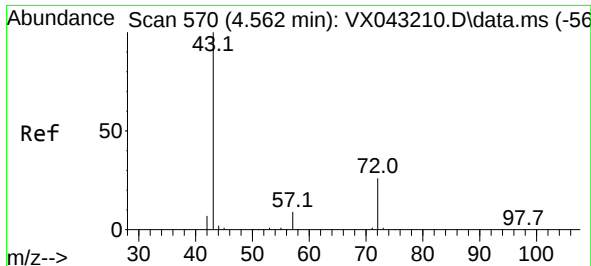
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

86 0.0 8.8 13.2#





#25

2-Butanone

Concen: 3.700 ug/l

RT: 4.611 min Scan# 51

Delta R.T. 0.049 min

Lab File: VX043459.D

Acq: 21 Oct 2024 16:58

Instrument :

MSVOA_X

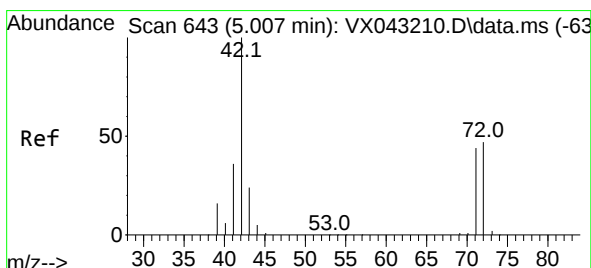
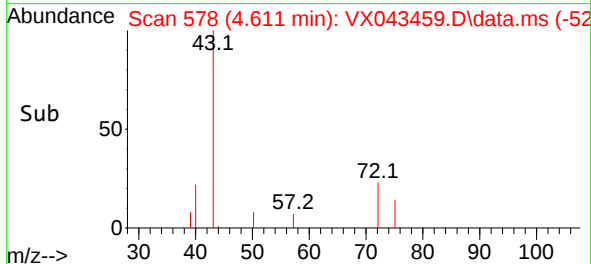
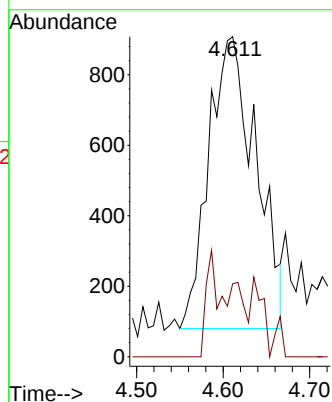
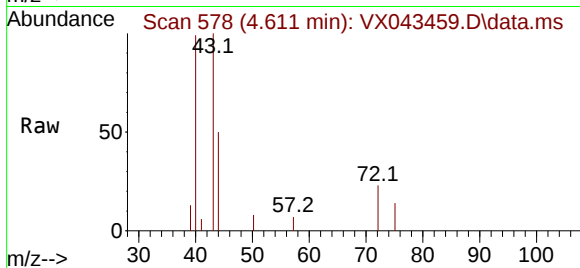
ClientSampleId :

Tgt Ion: 43 Resp: 3126

Ion Ratio Lower Upper

43 100

72 25.0 20.6 31.0



#29

Tetrahydrofuran

Concen: 1.752 ug/l

RT: 5.056 min Scan# 651

Delta R.T. 0.049 min

Lab File: VX043459.D

Acq: 21 Oct 2024 16:58

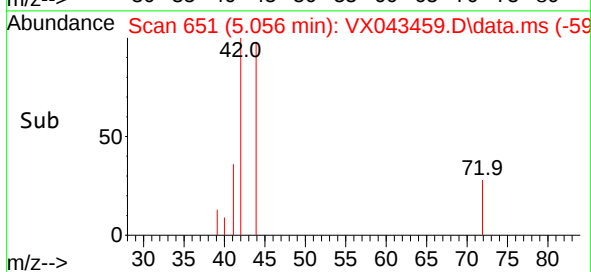
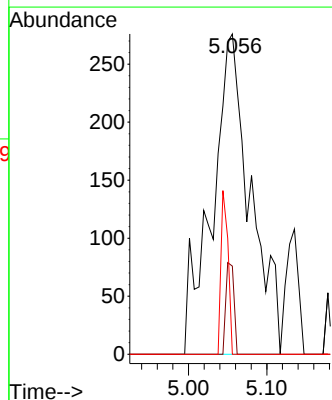
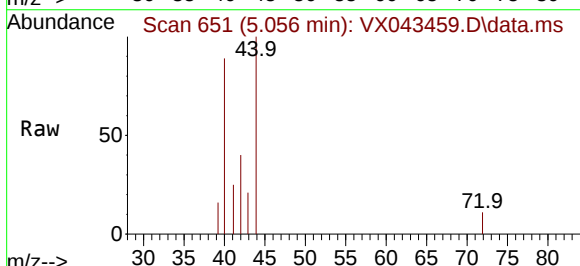
Tgt Ion: 42 Resp: 943

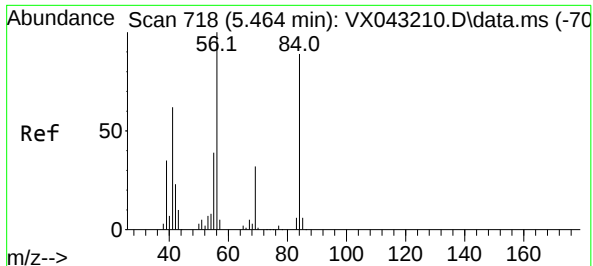
Ion Ratio Lower Upper

42 100

72 6.0 37.7 56.5#

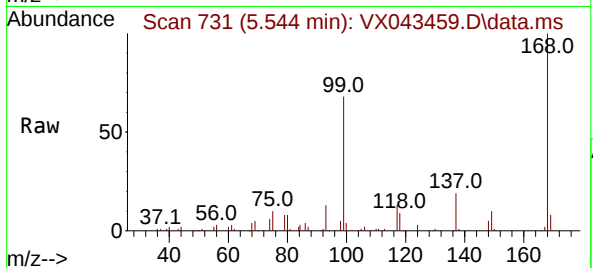
71 9.3 34.6 52.0#



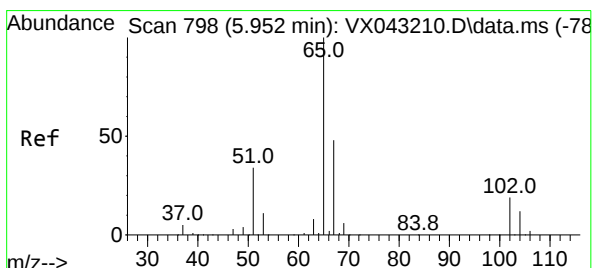
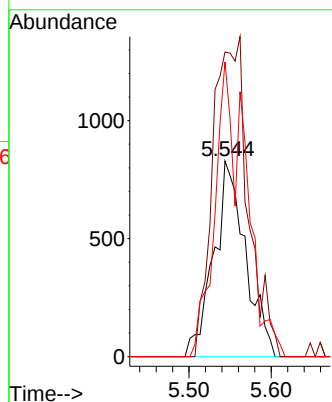
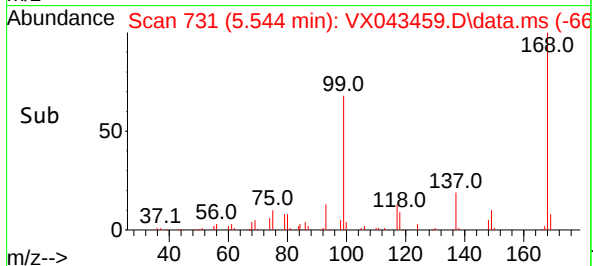


#31
Cyclohexane
Concen: 1.395 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :

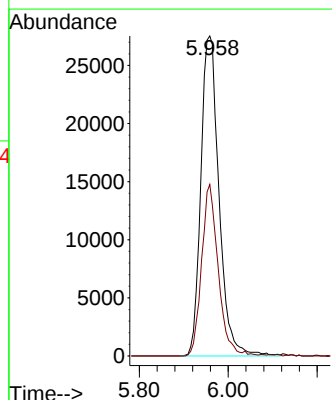
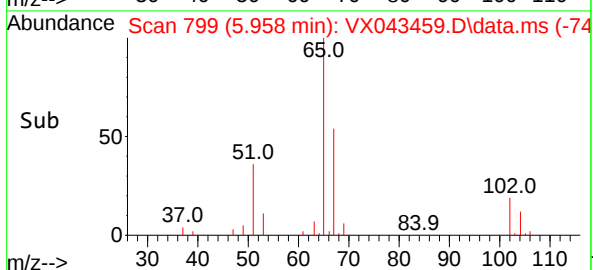
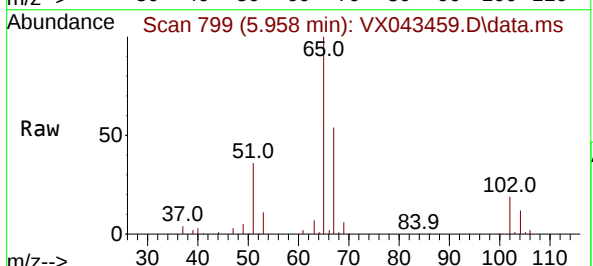


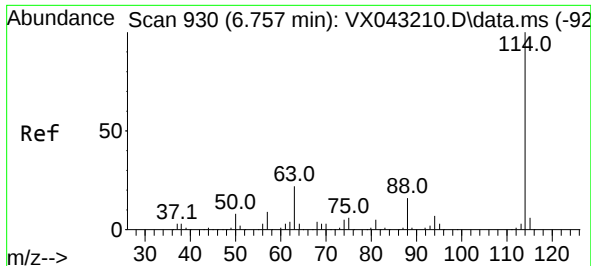
Tgt Ion: 56 Resp: 2221
Ion Ratio Lower Upper
56 100
69 155.7 25.8 38.6#
84 150.7 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 53.073 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

Tgt Ion: 65 Resp: 78312
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0

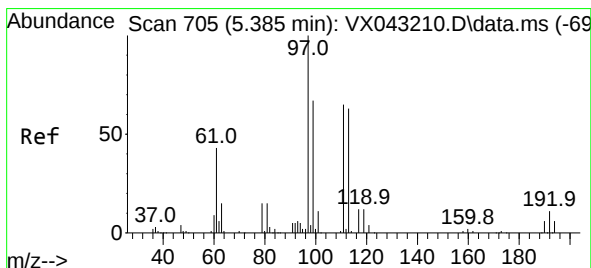
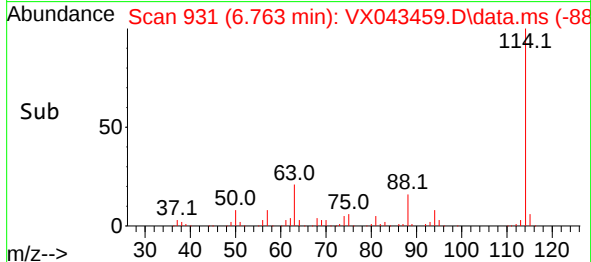
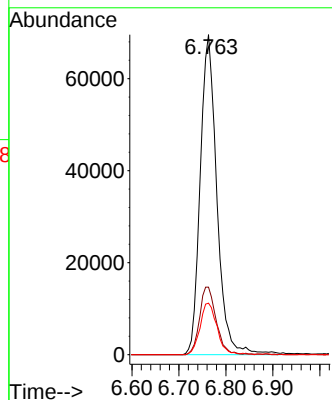
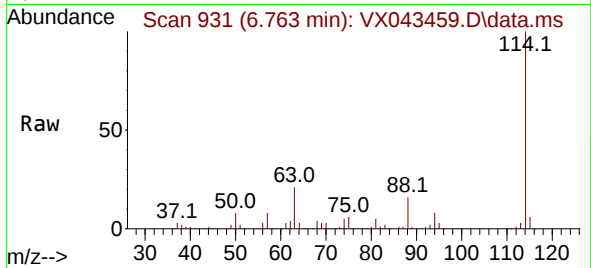




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

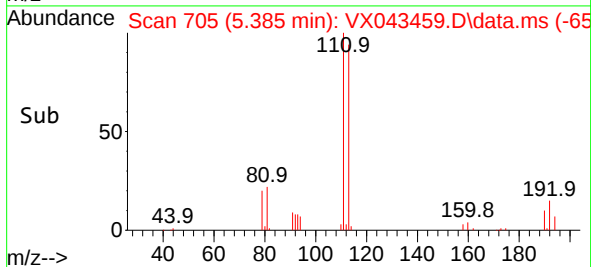
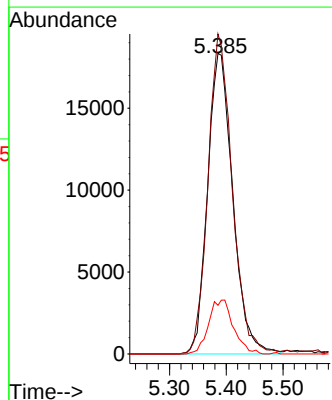
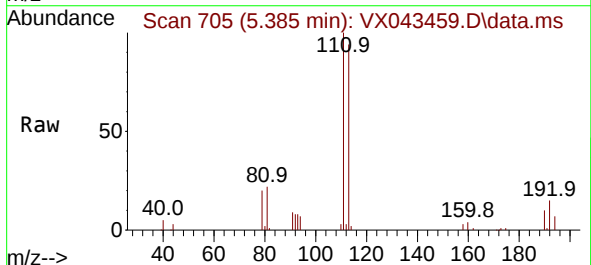
Instrument :
MSVOA_X
ClientSampleId :

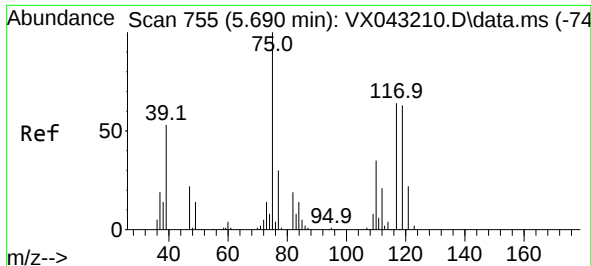
Tgt Ion:114 Resp: 171213
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.0
88 16.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.937 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

Tgt Ion:113 Resp: 56602
Ion Ratio Lower Upper
113 100
111 102.6 83.4 125.0
192 17.7 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.185 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

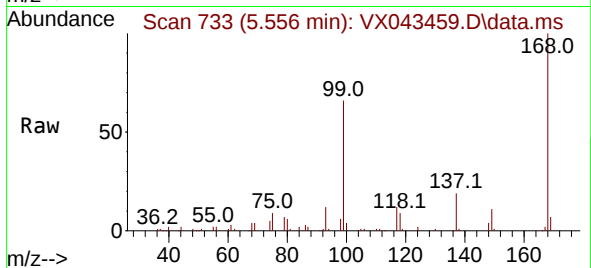
Lab File: VX043459.D

Acq: 21 Oct 2024 16:58

Instrument :

MSVOA_X

ClientSampleId :



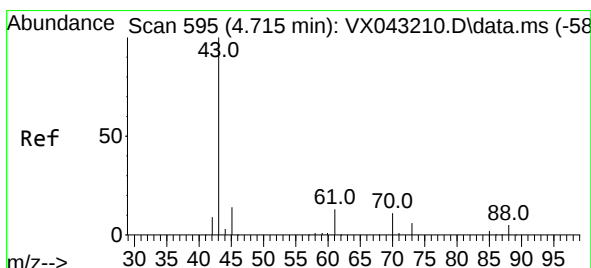
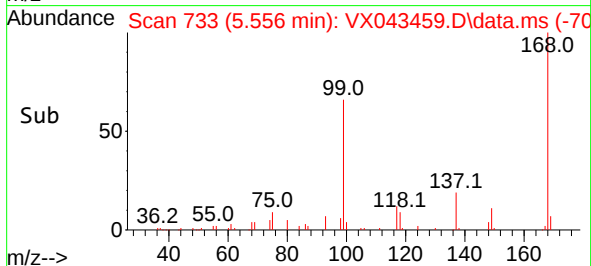
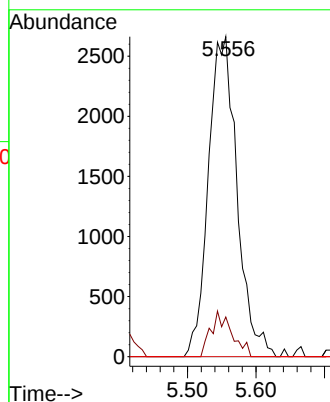
Tgt Ion: 75 Resp: 7735

Ion Ratio Lower Upper

75 100

110 10.4 17.8 53.3#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.331 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.031 min

Lab File: VX043459.D

Acq: 21 Oct 2024 16:58

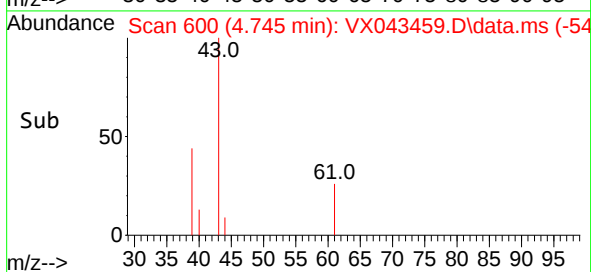
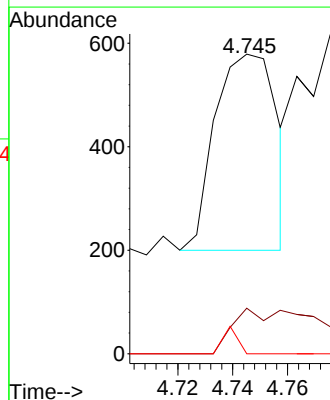
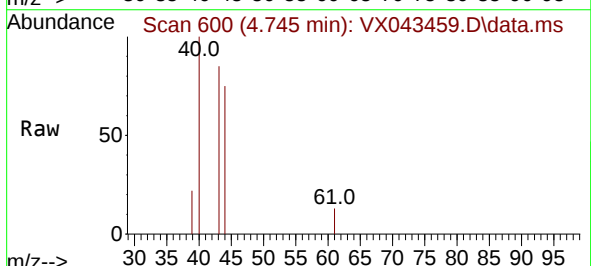
Tgt Ion: 43 Resp: 593

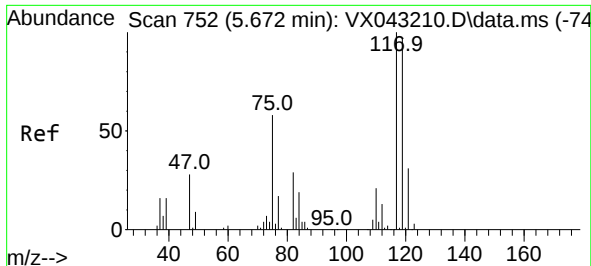
Ion Ratio Lower Upper

43 100

61 30.2 11.0 16.4#

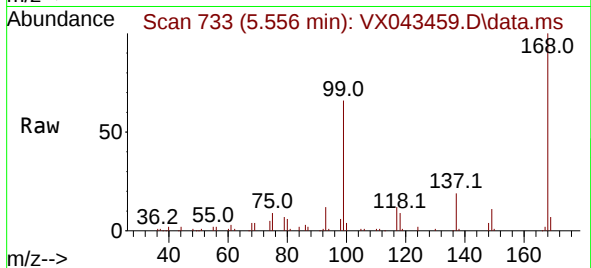
70 3.2 8.9 13.3#



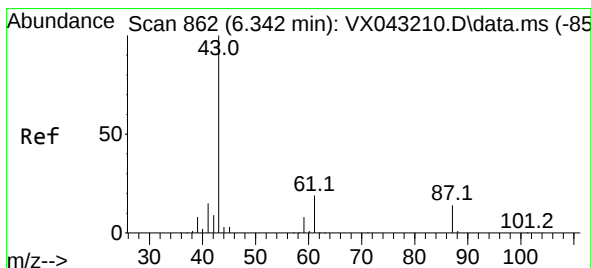
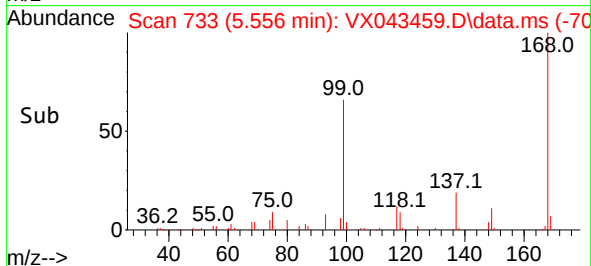
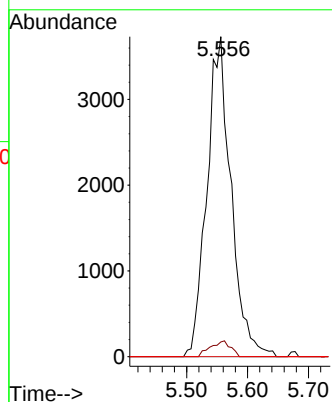


#38
Carbon Tetrachloride
Concen: 5.811 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :

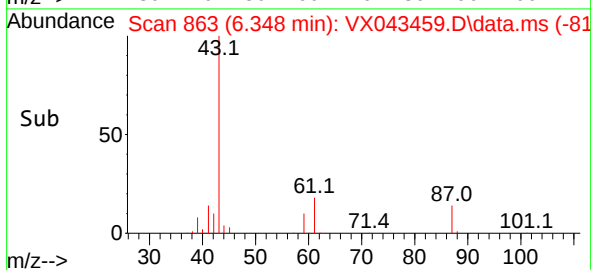
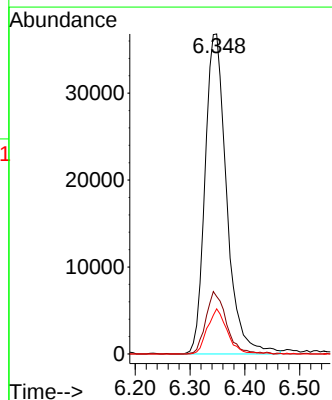
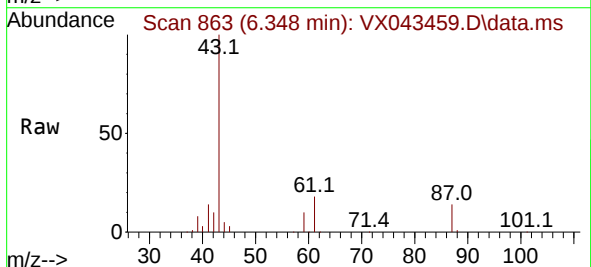


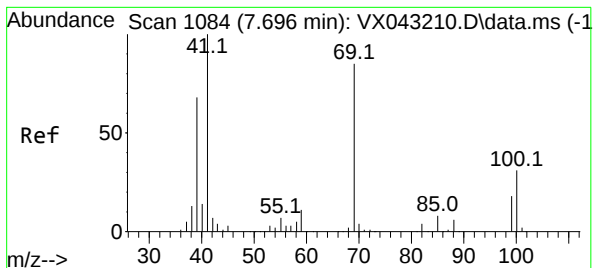
Tgt Ion:117 Resp: 10262
Ion Ratio Lower Upper
117 100
119 4.6 77.7 116.5#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 33.976 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

Tgt Ion: 43 Resp: 100527
Ion Ratio Lower Upper
43 100
61 18.6 15.1 22.7
87 13.0 10.8 16.2





#48

Methyl methacrylate

Concen: 60.638 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX043459.D

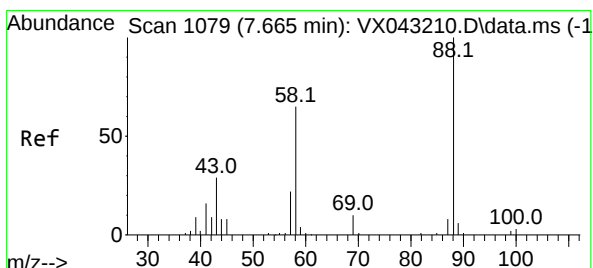
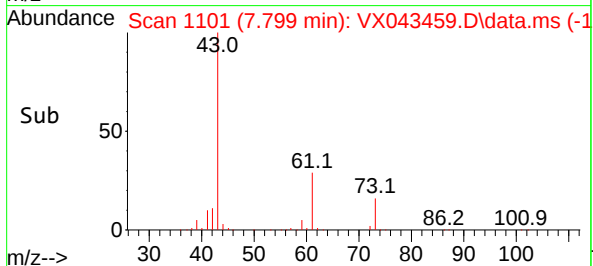
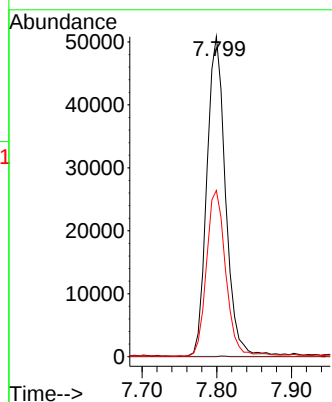
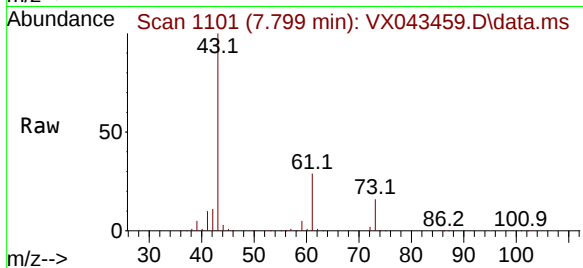
Acq: 21 Oct 2024 16:58

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 41 Resp: 88030
 Ion Ratio Lower Upper
 41 100
 69 0.1 64.1 96.1#
 39 53.7 52.8 79.2



#49

1,4-Dioxane

Concen: 1.630 ug/l

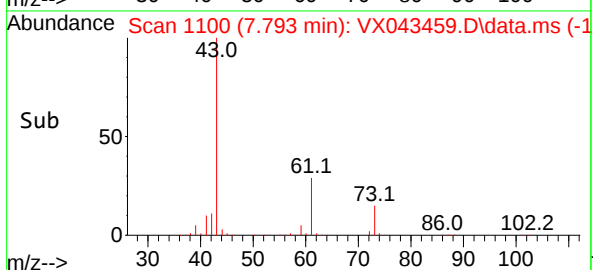
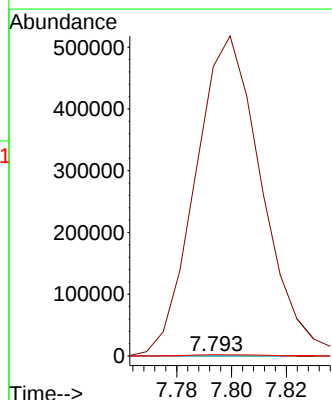
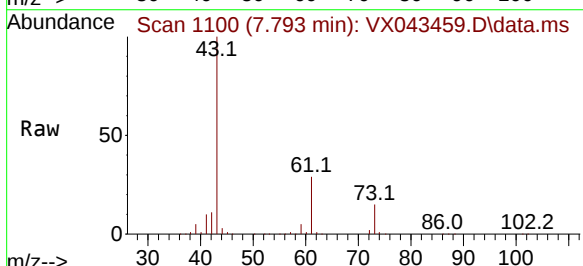
RT: 7.793 min Scan# 1100

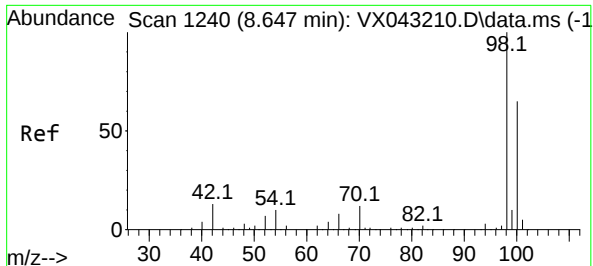
Delta R.T. 0.128 min

Lab File: VX043459.D

Acq: 21 Oct 2024 16:58

Tgt Ion: 88 Resp: 46
 Ion Ratio Lower Upper
 88 100
 43 1942332.6 29.5 44.3#
 58 8410.9 55.2 82.8#





#50

Toluene-d8

Concen: 49.141 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043459.D

Acq: 21 Oct 2024 16:58

Instrument :

MSVOA_X

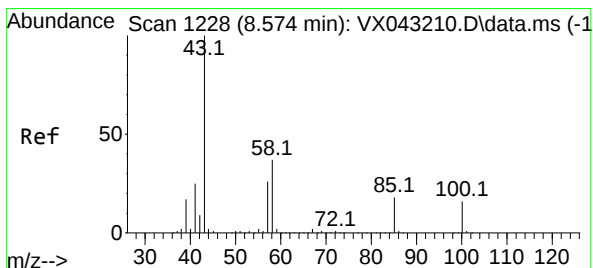
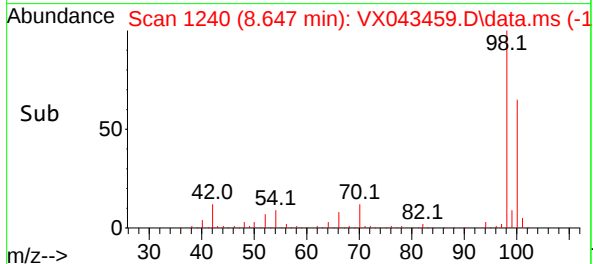
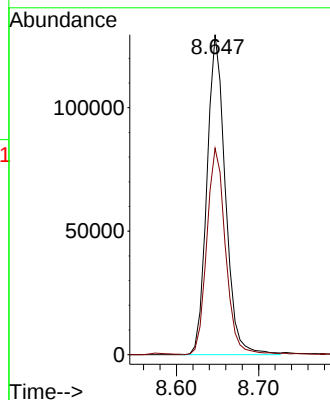
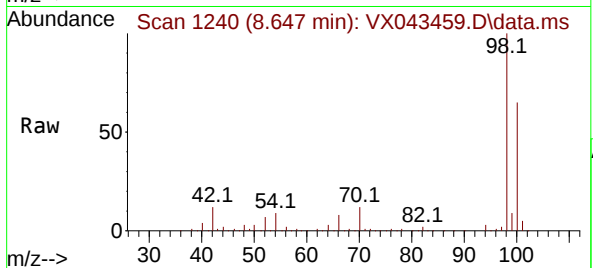
ClientSampleId :

Tgt Ion: 98 Resp: 201078

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 42.874 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX043459.D

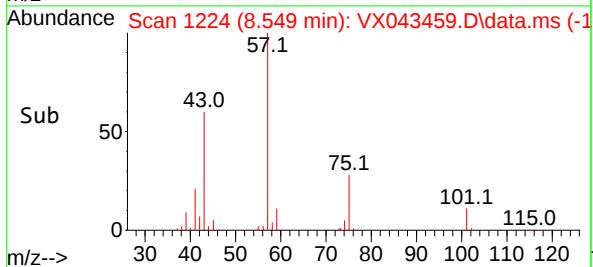
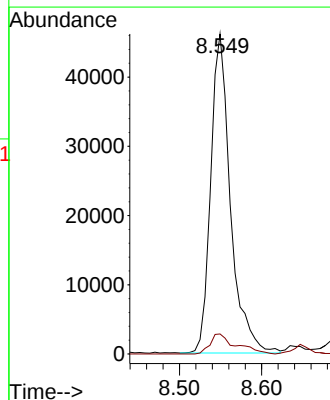
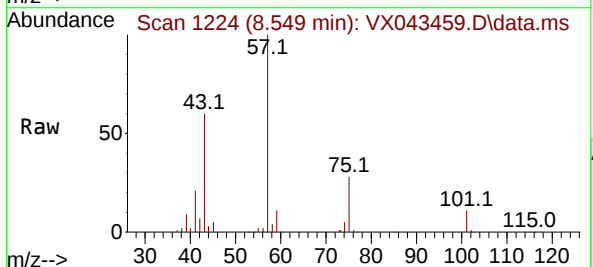
Acq: 21 Oct 2024 16:58

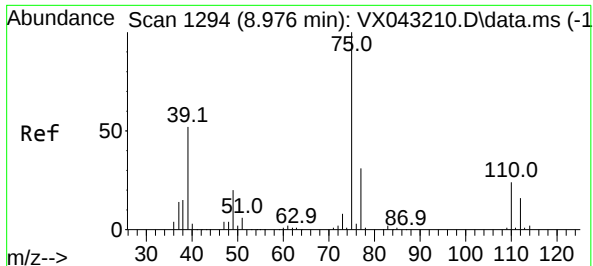
Tgt Ion: 43 Resp: 77044

Ion Ratio Lower Upper

43 100

58 8.2 30.0 45.0#





#53

t-1,3-Dichloropropene

Concen: 0.372 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX043459.D

Acq: 21 Oct 2024 16:58

Instrument :

MSVOA_X

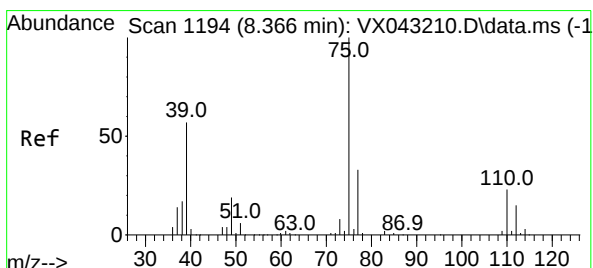
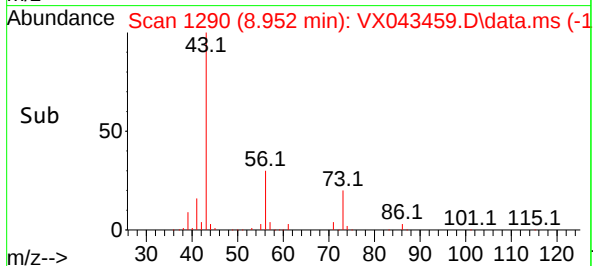
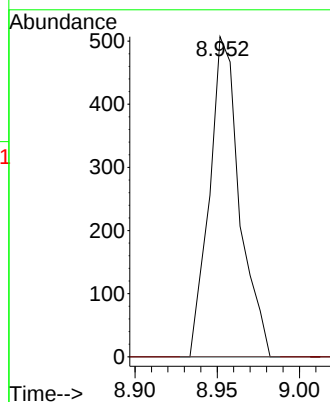
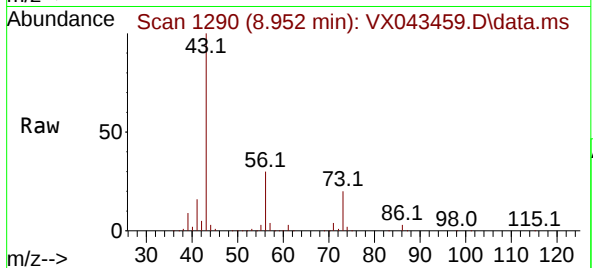
ClientSampleId :

Tgt Ion: 75 Resp: 647

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 18.218 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043459.D

Acq: 21 Oct 2024 16:58

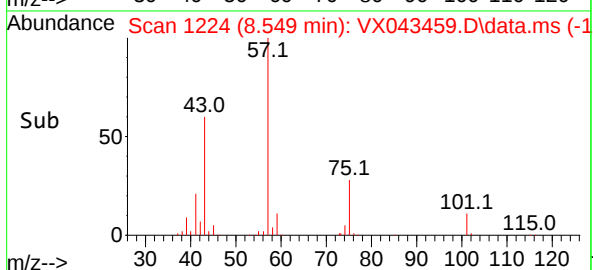
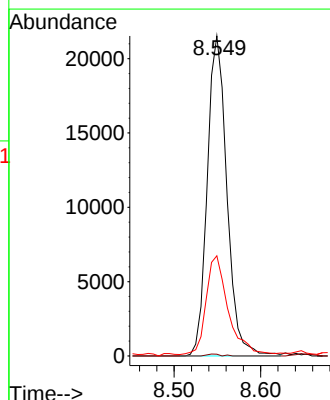
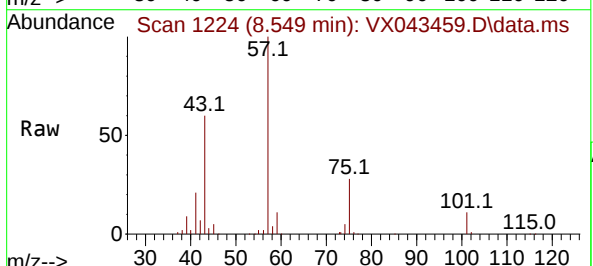
Tgt Ion: 75 Resp: 33949

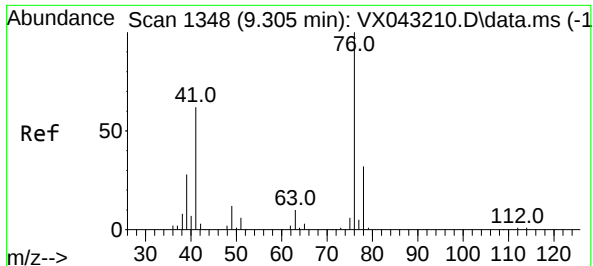
Ion Ratio Lower Upper

75 100

77 0.6 26.0 39.0#

39 30.9 45.8 68.8#

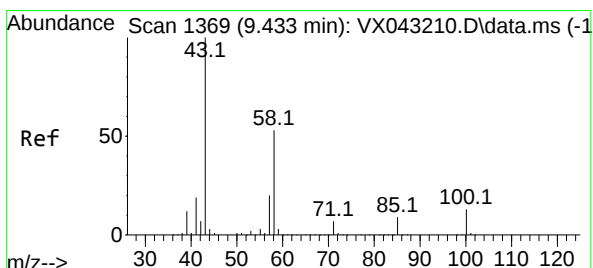
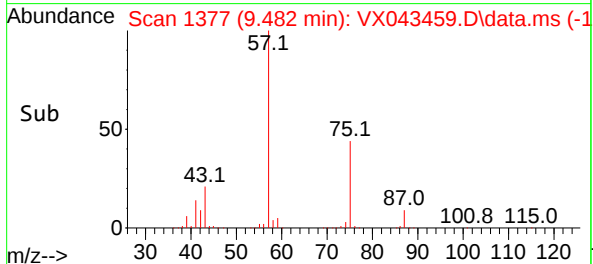
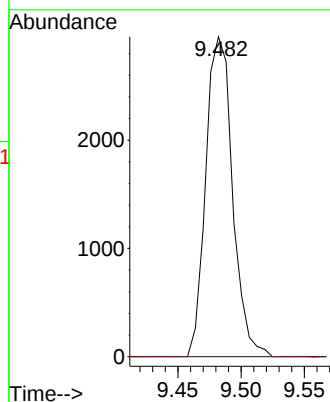
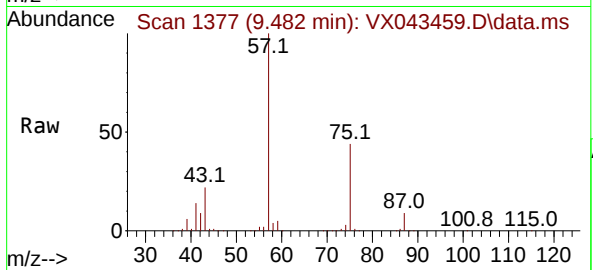




#57
1,3-Dichloropropane
Concen: 2.265 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

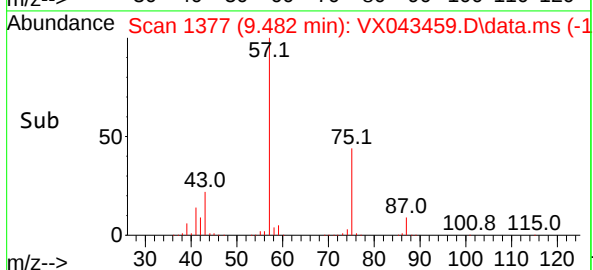
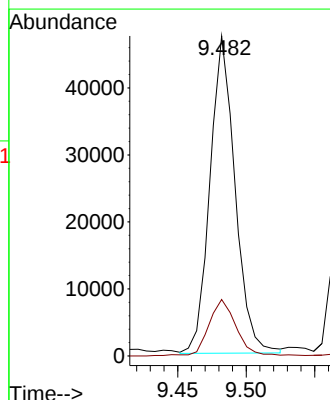
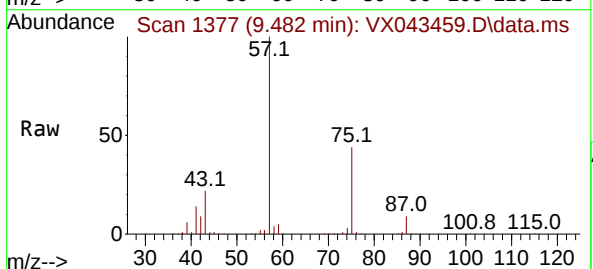
Instrument :
MSVOA_X
ClientSampleId :

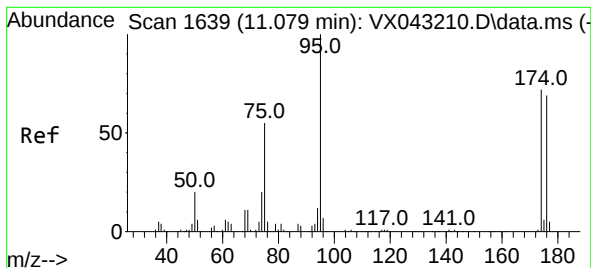
Tgt Ion: 76 Resp: 4346
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 44.376 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

Tgt Ion: 43 Resp: 60303
Ion Ratio Lower Upper
43 100
58 19.6 26.1 78.3#

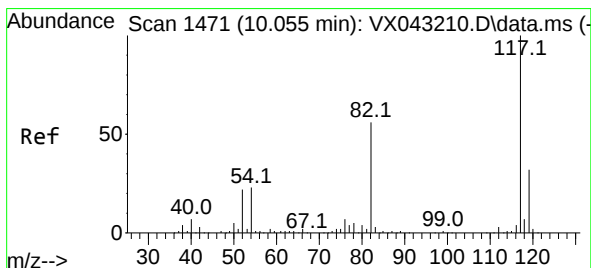
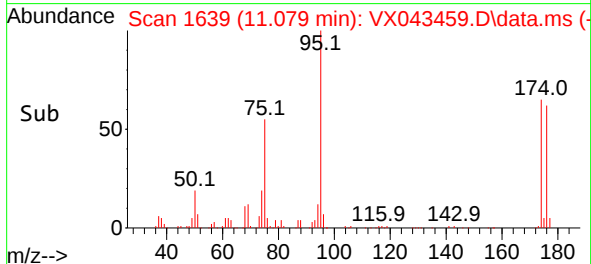
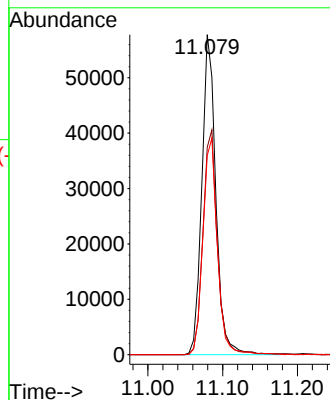
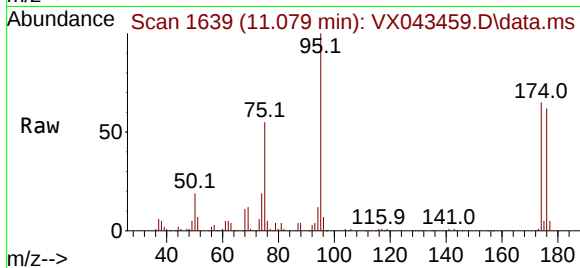




#62
4-Bromofluorobenzene
Concen: 50.532 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

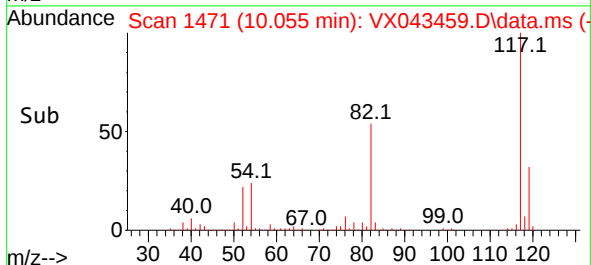
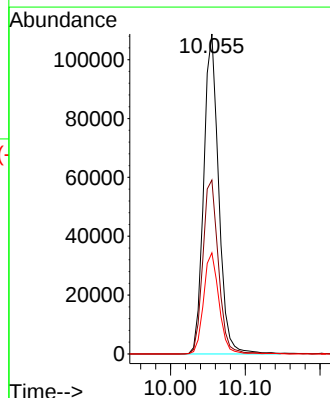
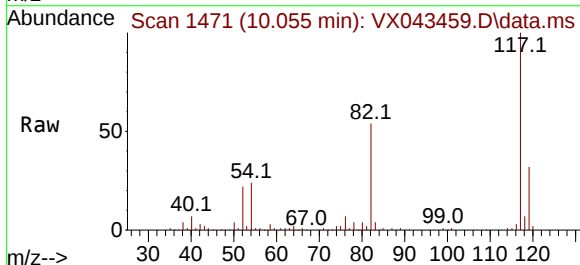
Instrument :
MSVOA_X
ClientSampleId :

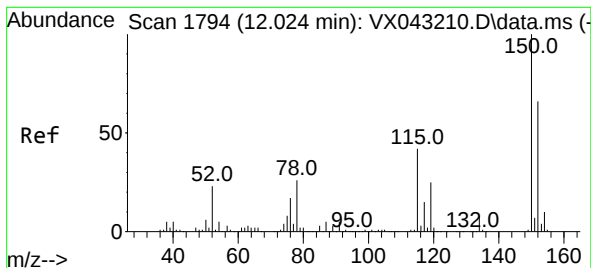
Tgt Ion: 95 Resp: 75118
Ion Ratio Lower Upper
95 100
174 72.2 0.0 145.0
176 69.8 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

Tgt Ion: 117 Resp: 151089
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.6
119 31.6 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043459.D

Acq: 21 Oct 2024 16:58

Instrument :

MSVOA_X

ClientSampleId :

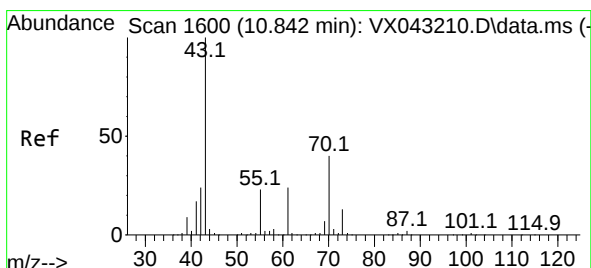
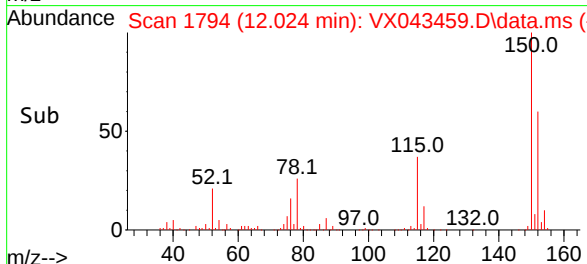
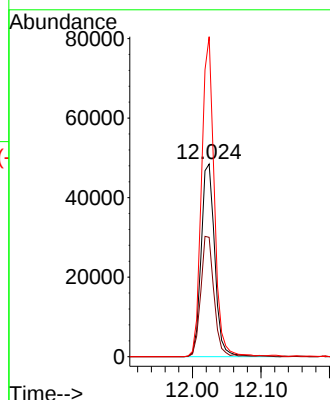
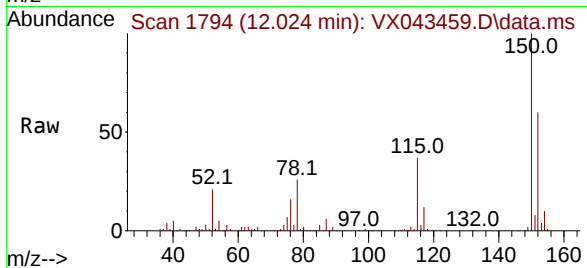
Tgt Ion:152 Resp: 67025

Ion Ratio Lower Upper

152 100

115 61.1 44.1 132.3

150 155.2 0.0 347.4



#74

N-ethyl acetate

Concen: 0.266 ug/l

RT: 10.823 min Scan# 1597

Delta R.T. -0.018 min

Lab File: VX043459.D

Acq: 21 Oct 2024 16:58

Tgt Ion: 43 Resp: 658

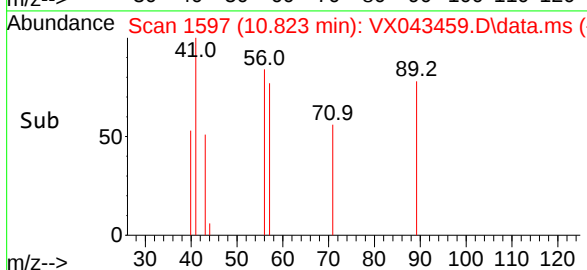
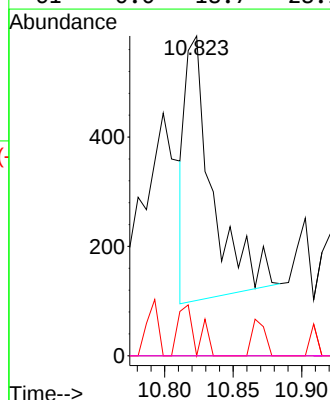
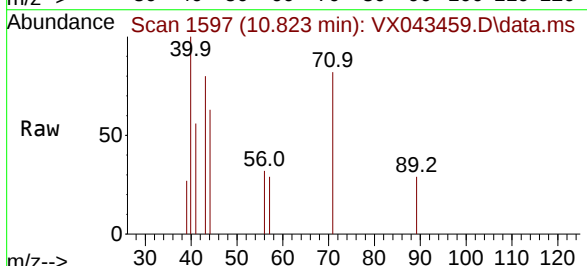
Ion Ratio Lower Upper

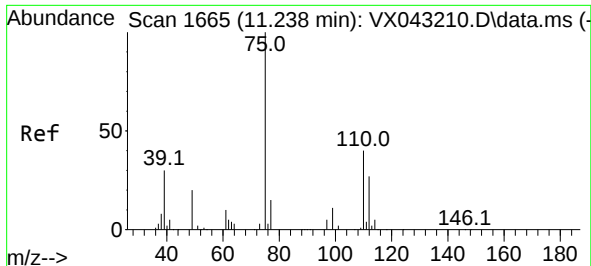
43 100

70 0.0 33.1 49.7#

55 13.4 18.6 27.8#

61 0.0 18.7 28.1#

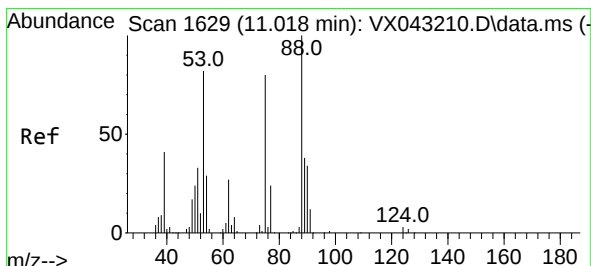
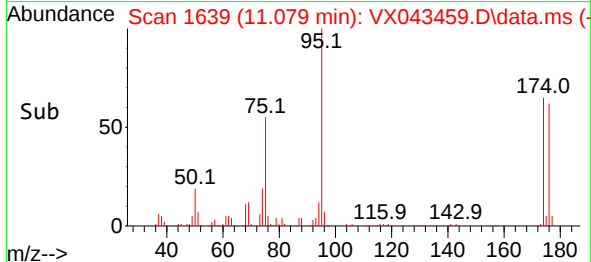
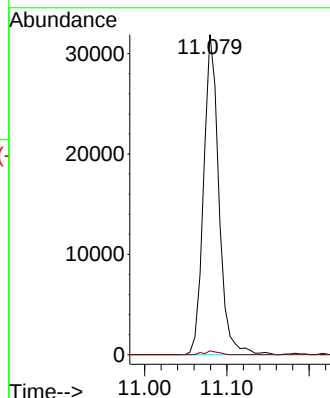
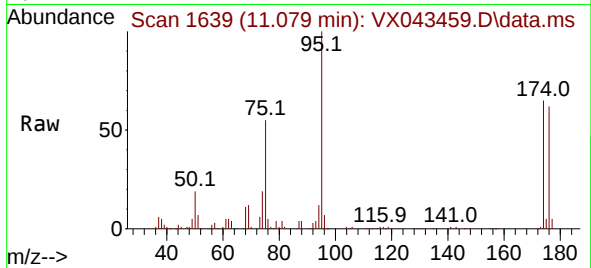




#76
1,2,3-Trichloropropane
Concen: 27.733 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 41230
Ion Ratio Lower Upper
75 100
77 1.1 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.874 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043459.D
Acq: 21 Oct 2024 16:58

Tgt Ion: 75 Resp: 41230
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

