

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103124\
 Data File : VX043643.D
 Acq On : 31 Oct 2024 12:00
 Operator : JC/MD
 Sample : PB164538TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

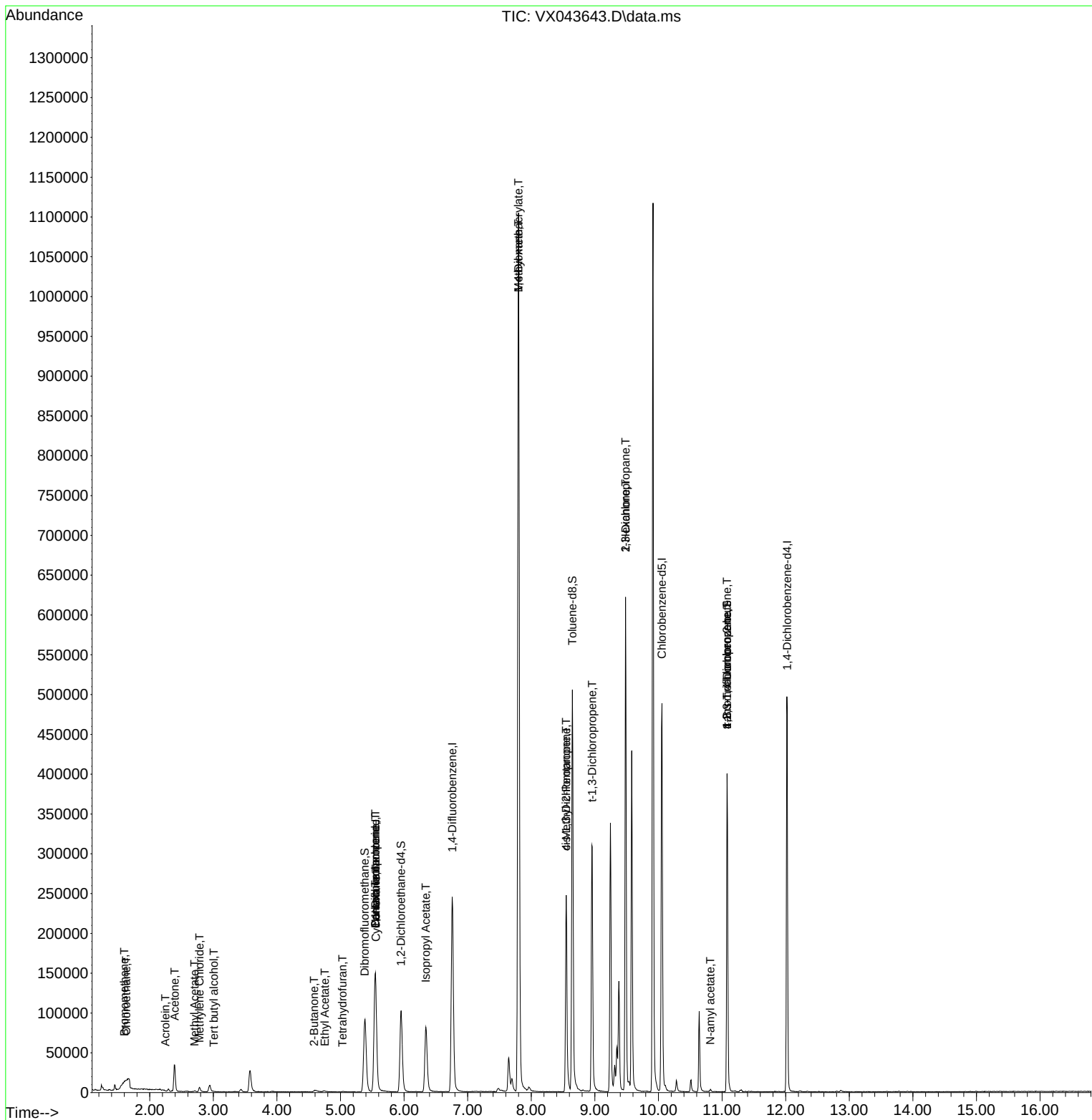
Instrument :
 MSVOA_X
 ClientSampleId :

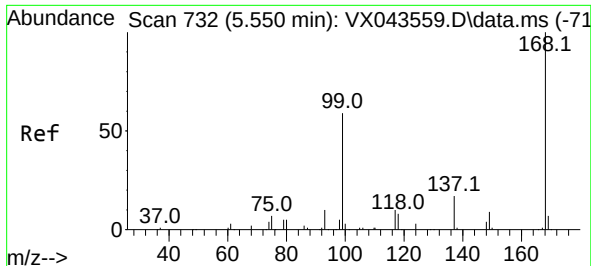
Quant Time: Nov 01 00:50:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	147663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	270855	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97574	41.441	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.880%		
35) Dibromofluoromethane	5.379	113	83541	45.485	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.980%		
50) Toluene-d8	8.647	98	315361	49.602	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.200%		
62) 4-Bromofluorobenzene	11.079	95	112505	47.754	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.500%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	330	0.432	ug/l #	35
6) Chloroethane	1.630	64	369	0.559	ug/l #	84
11) Tert butyl alcohol	3.007	59	766	1.743	ug/l #	100
13) Acrolein	2.245	56	140	0.407	ug/l #	15
16) Acetone	2.392	43	37873	40.506	ug/l	92
18) Methyl Acetate	2.703	43	1336	0.489	ug/l #	79
20) Methylene Chloride	2.782	84	3046	1.512	ug/l #	83
25) 2-Butanone	4.586	43	3789	2.778	ug/l #	89
29) Tetrahydrofuran	5.031	42	320	0.361	ug/l #	60
31) Cyclohexane	5.556	56	2805	1.128	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10898	5.004	ug/l #	51
37) Ethyl Acetate	4.751	43	1938	0.733	ug/l #	77
38) Carbon Tetrachloride	5.550	117	15610	6.487	ug/l #	15
43) Isopropyl Acetate	6.342	43	118818	27.174	ug/l	99
48) Methyl methacrylate	7.799	41	92228	44.488	ug/l #	41
49) 1,4-Dioxane	7.799	88	202	4.743	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	87987	33.015	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	903	0.348	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	45688	16.522	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	5367	1.759	ug/l #	42
59) 2-Hexanone	9.482	43	70021	34.593	ug/l #	53
74) N-amyl acetate	10.817	43	989	0.261	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	54793	23.375	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	54793	64.306	ug/l #	7

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

Quant Time: Nov 01 00:50:51 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

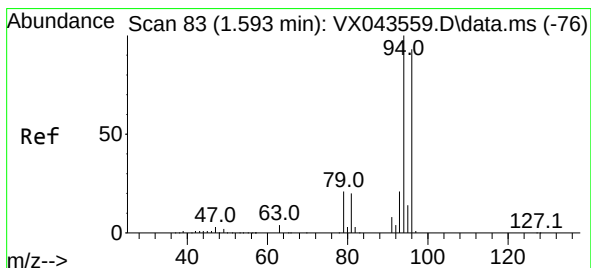
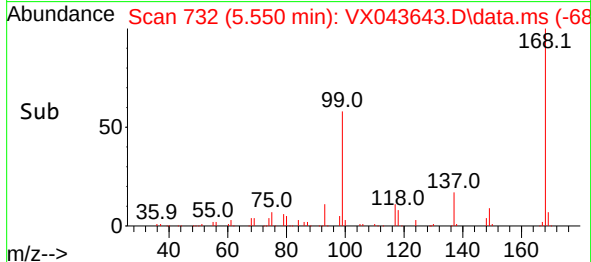
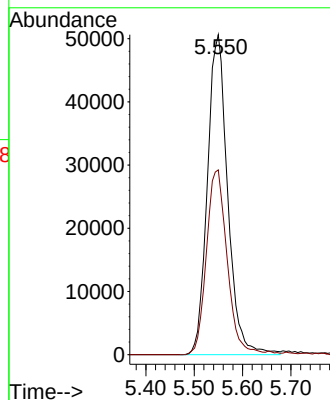
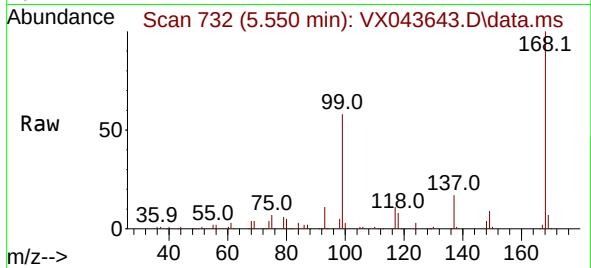




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

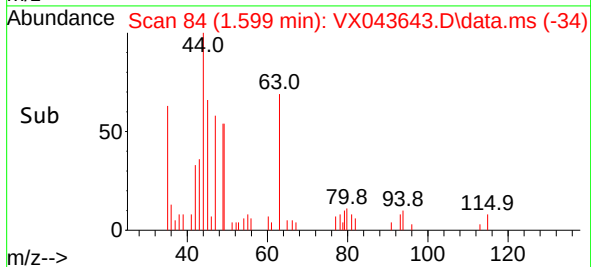
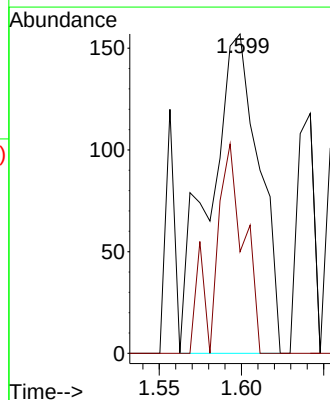
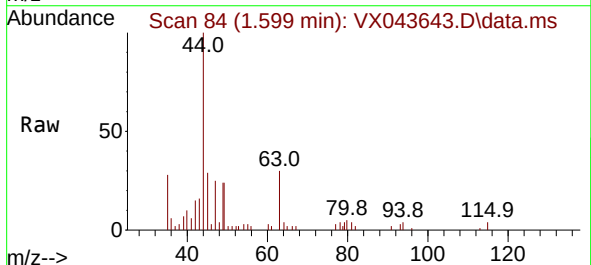
Instrument :
MSVOA_X
ClientSampleId :

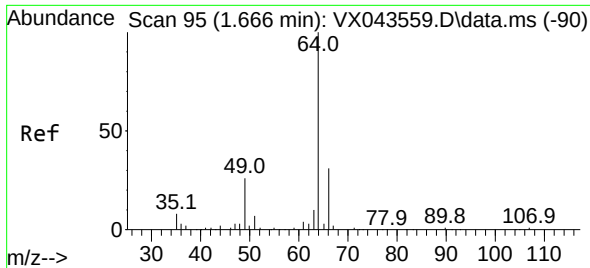
Tgt Ion:168 Resp: 147663
Ion Ratio Lower Upper
168 100
99 57.7 52.6 78.8



#5
Bromomethane
Concen: 0.432 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

Tgt Ion: 94 Resp: 330
Ion Ratio Lower Upper
94 100
96 31.8 75.9 113.9#

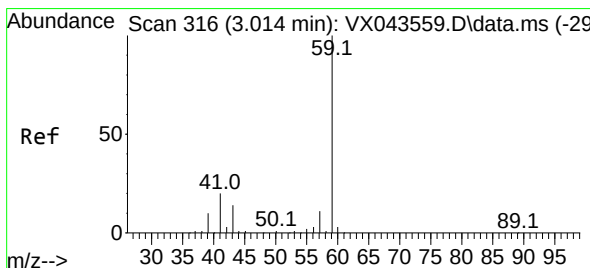
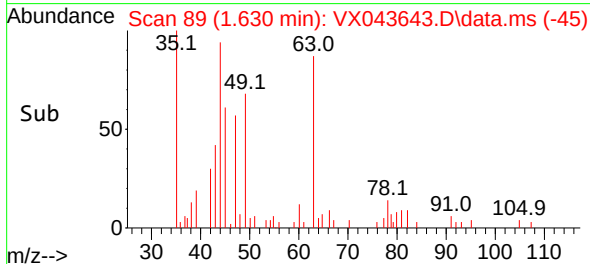
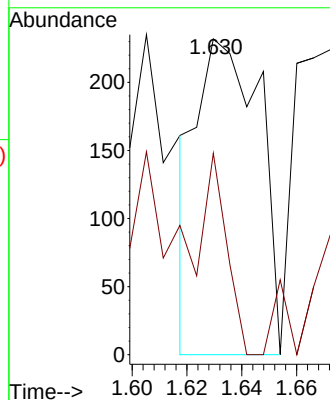
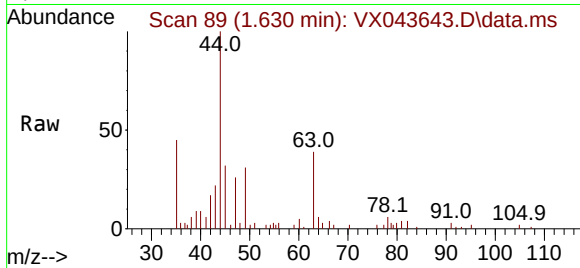




#6
Chloroethane
Concen: 0.559 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.030 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

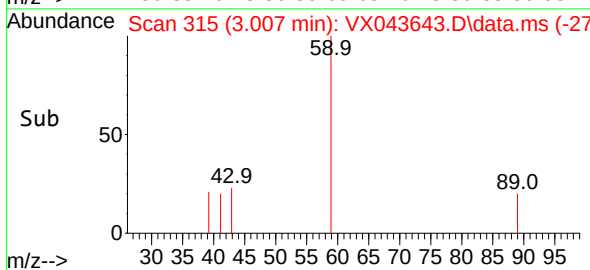
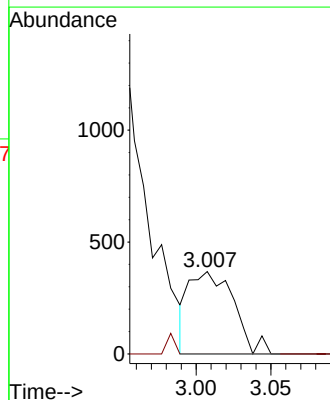
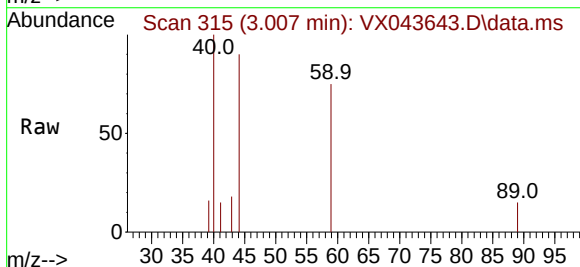
Instrument :
MSVOA_X
ClientSampleId :

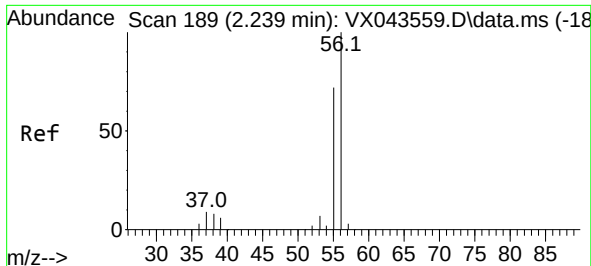
Tgt Ion: 64 Resp: 369
Ion Ratio Lower Upper
64 100
66 40.1 25.1 37.7#



#11
Tert butyl alcohol
Concen: 1.743 ug/l
RT: 3.007 min Scan# 315
Delta R.T. -0.043 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

Tgt Ion: 59 Resp: 766
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0





#13

Acrolein

Concen: 0.407 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX043643.D

Acq: 31 Oct 2024 12:00

Instrument :

MSVOA_X

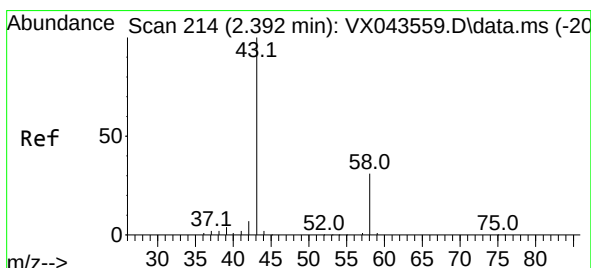
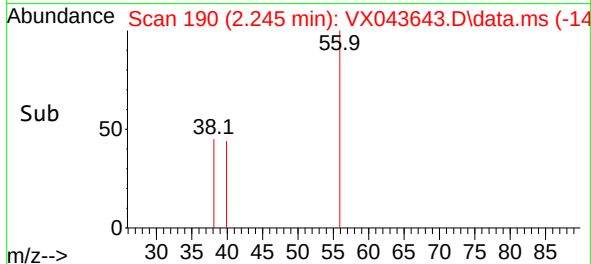
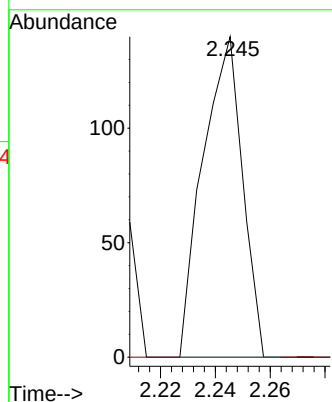
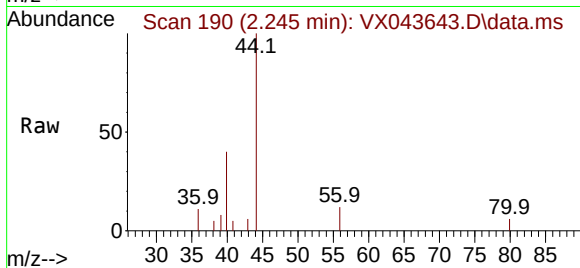
ClientSampleId :

Tgt Ion: 56 Resp: 140

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 40.506 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX043643.D

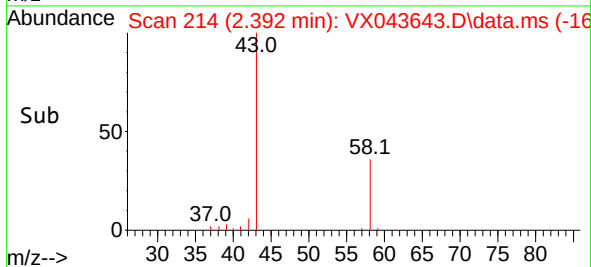
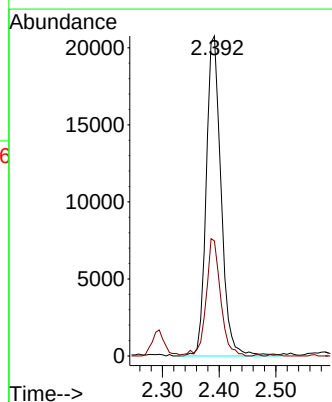
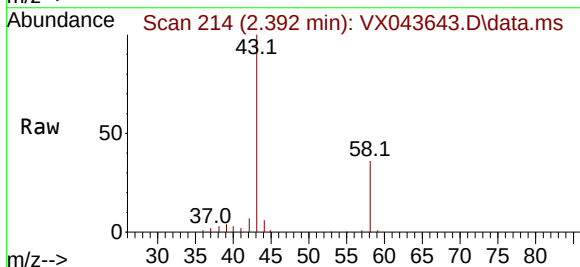
Acq: 31 Oct 2024 12:00

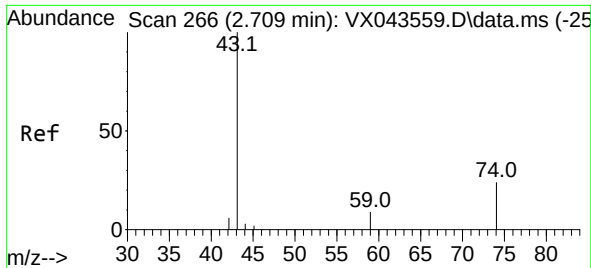
Tgt Ion: 43 Resp: 37873

Ion Ratio Lower Upper

43 100

58 35.7 25.1 37.7

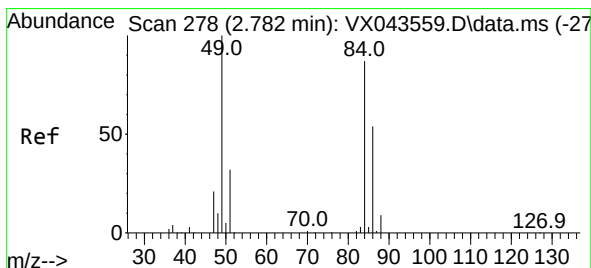
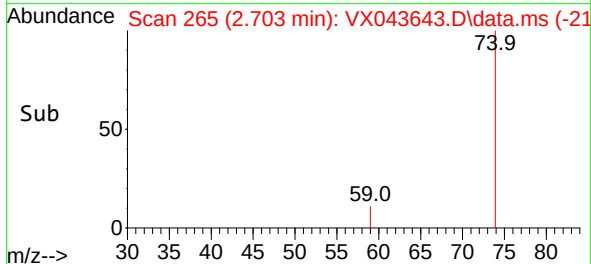
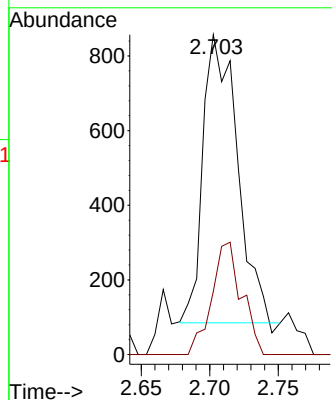
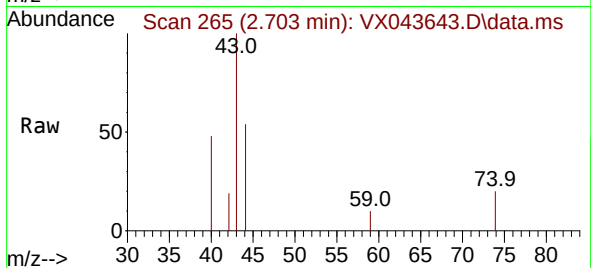




#18
Methyl Acetate
Concen: 0.489 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

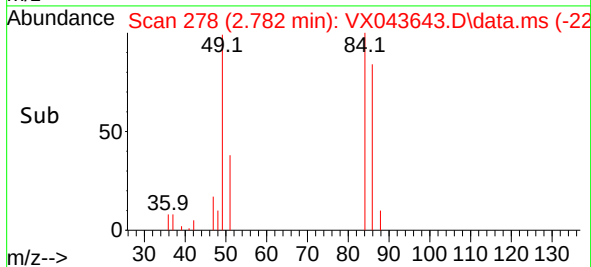
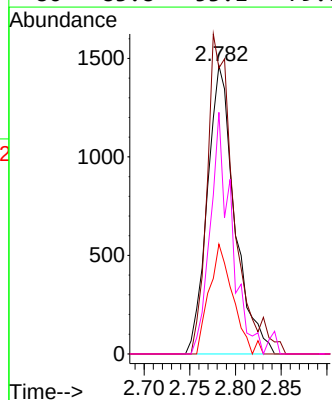
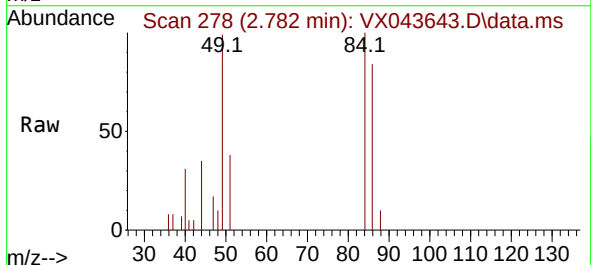
Instrument :
MSVOA_X
ClientSampleId :

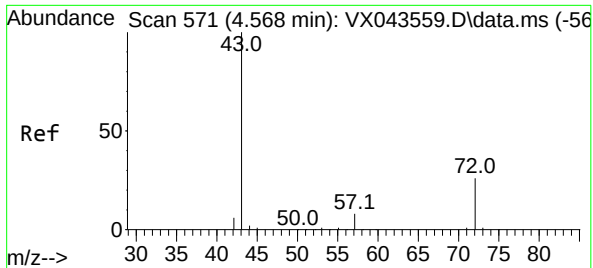
Tgt Ion: 43 Resp: 1336
Ion Ratio Lower Upper
43 100
74 34.1 19.1 28.7#



#20
Methylene Chloride
Concen: 1.512 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

Tgt Ion: 84 Resp: 3046
Ion Ratio Lower Upper
84 100
49 99.2 97.0 145.6
51 38.1 29.8 44.8
86 83.8 53.1 79.7#

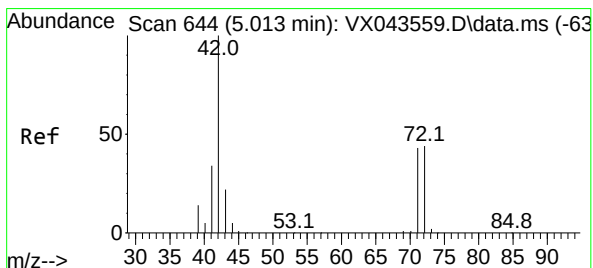
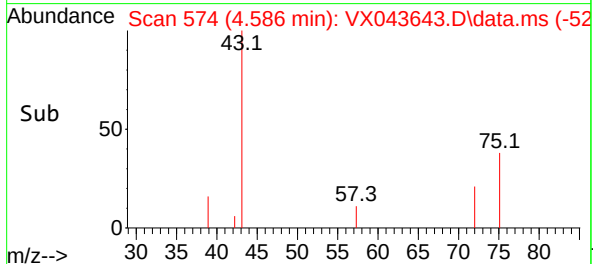
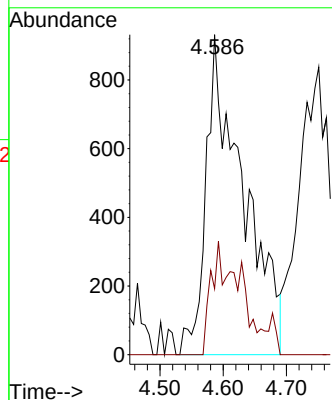
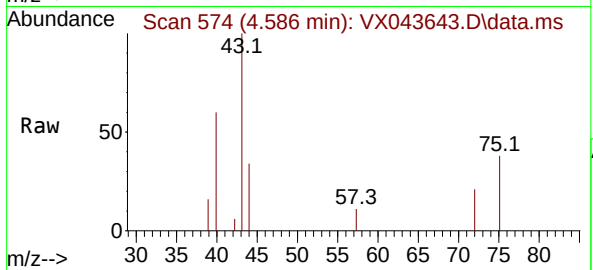




#25
2-Butanone
Concen: 2.778 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

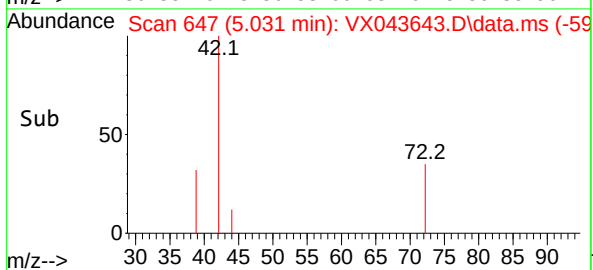
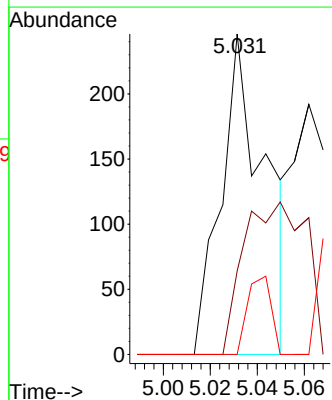
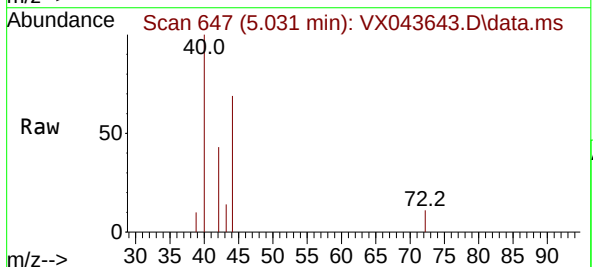
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ClientSampleId :

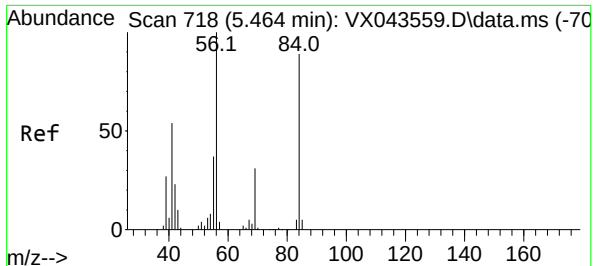
Tgt Ion: 43 Resp: 3789
Ion Ratio Lower Upper
43 100
72 20.6 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.361 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

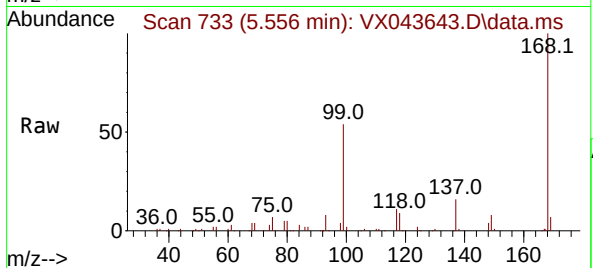
Tgt Ion: 42 Resp: 320
Ion Ratio Lower Upper
42 100
72 67.8 36.6 55.0#
71 13.1 34.2 51.4#



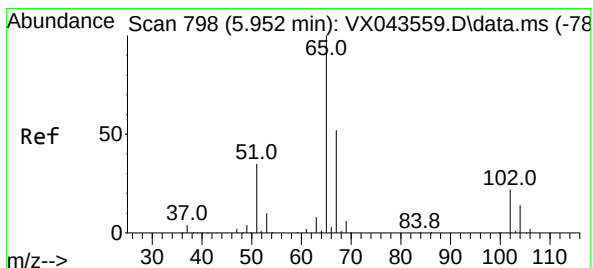
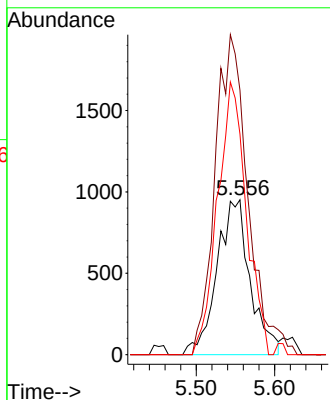
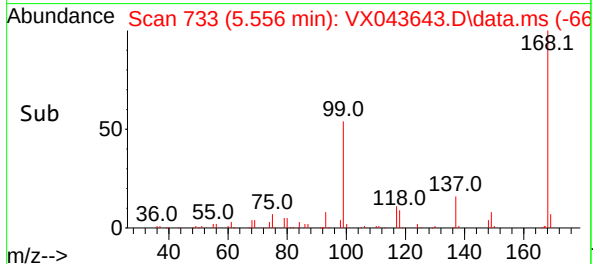


#31
Cyclohexane
Concen: 1.128 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.098 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

Instrument :
MSVOA_X
ClientSampleId :

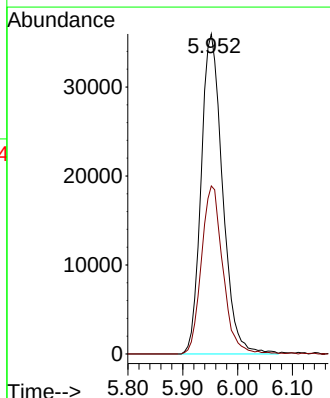
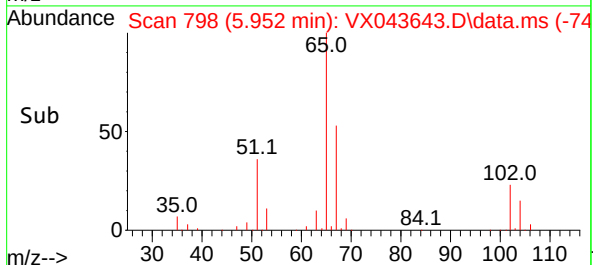
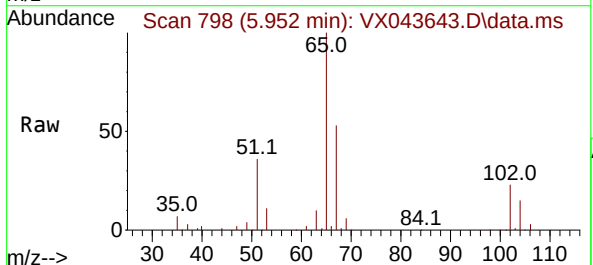


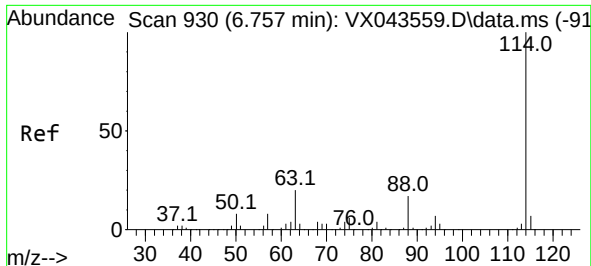
Tgt Ion: 56 Resp: 2805
Ion Ratio Lower Upper
56 100
69 170.7 24.9 37.3#
84 142.4 73.3 109.9#



#33
1,2-Dichloroethane-d4
Concen: 41.441 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

Tgt Ion: 65 Resp: 97574
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4

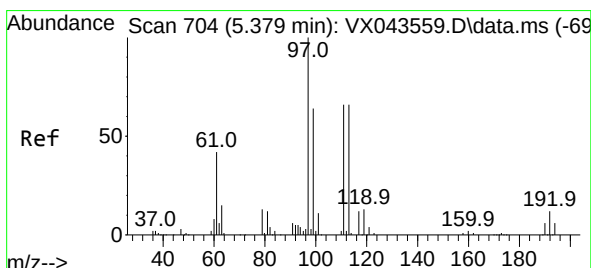
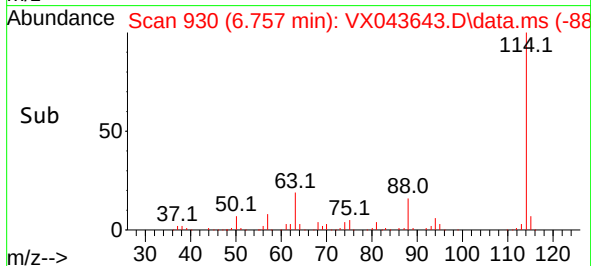
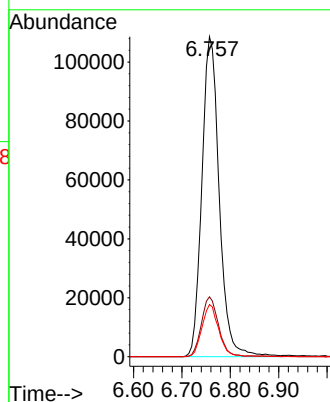
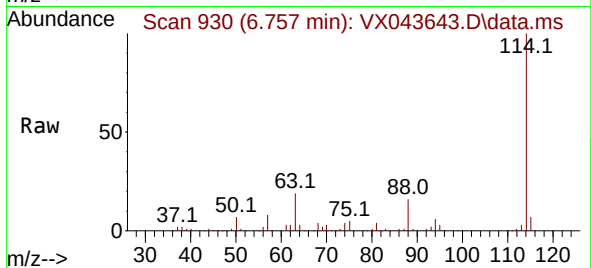




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

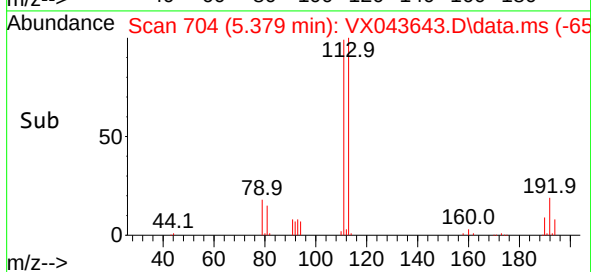
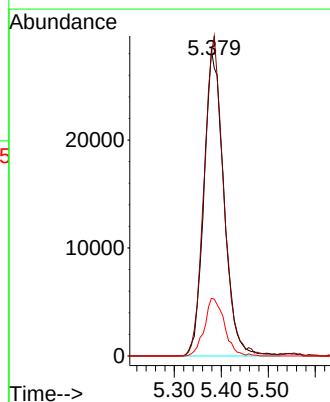
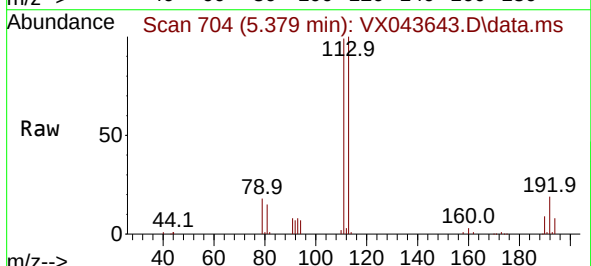
Instrument :
MSVOA_X
ClientSampleId :

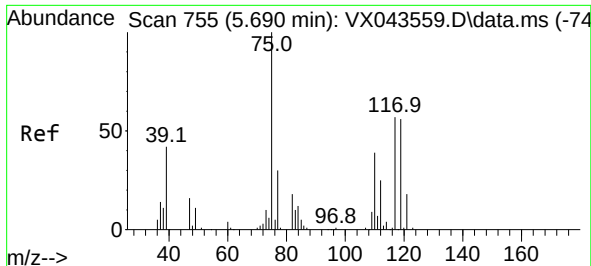
Tgt Ion:114 Resp: 270855
Ion Ratio Lower Upper
114 100
63 18.7 0.0 41.2
88 16.3 0.0 34.0



#35
Dibromofluoromethane
Concen: 45.485 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

Tgt Ion:113 Resp: 83541
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 18.7 14.1 21.1

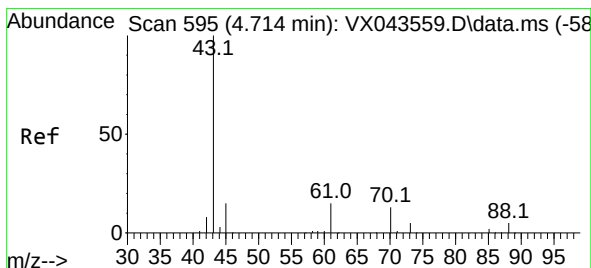
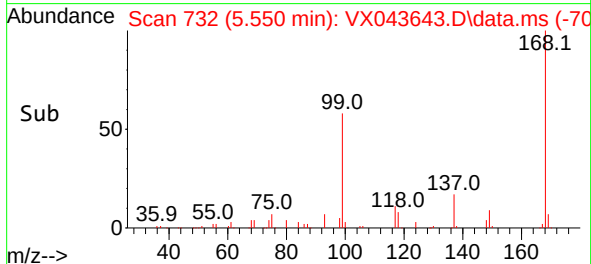
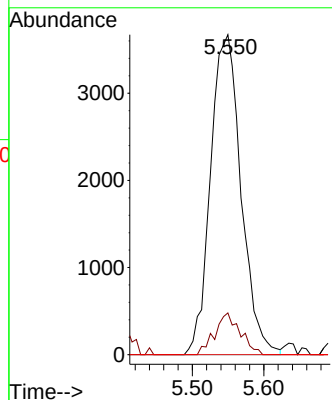
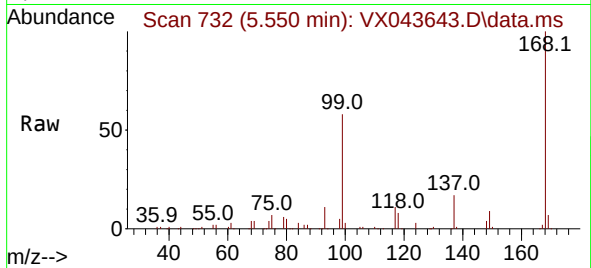




#36
1,1-Dichloropropene
Concen: 5.004 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

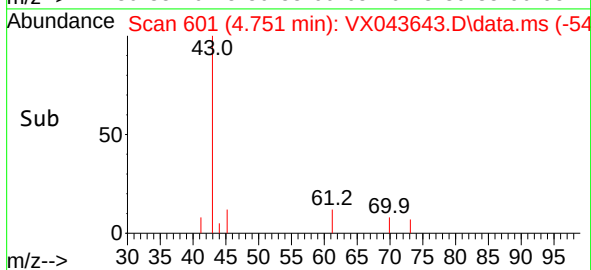
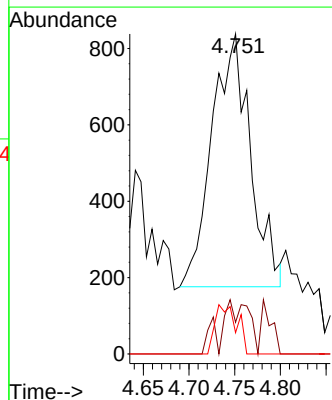
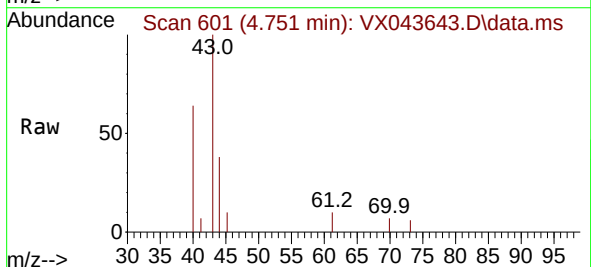
Instrument :
MSVOA_X
ClientSampleId :

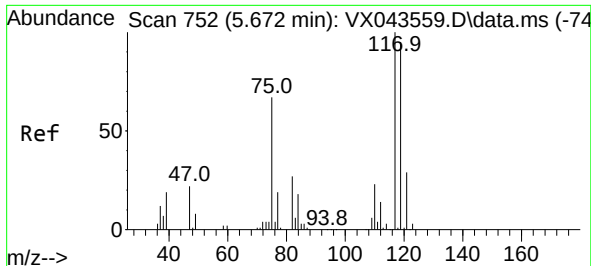
Tgt Ion: 75 Resp: 10898
Ion Ratio Lower Upper
75 100
110 10.9 17.9 53.7#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.733 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.030 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

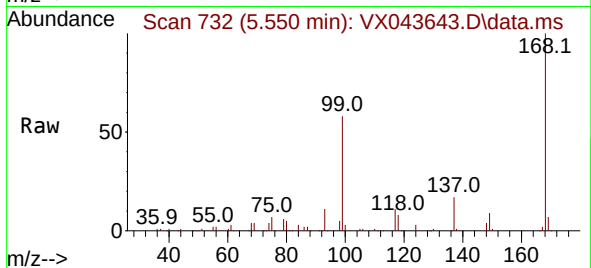
Tgt Ion: 43 Resp: 1938
Ion Ratio Lower Upper
43 100
61 6.1 11.0 16.6#
70 0.0 8.9 13.3#



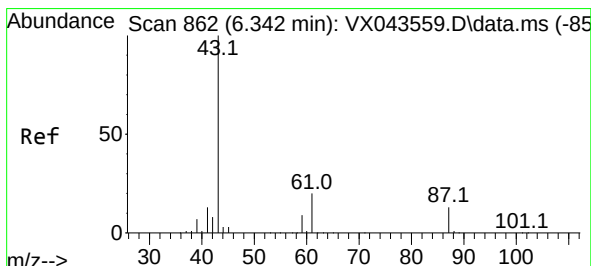
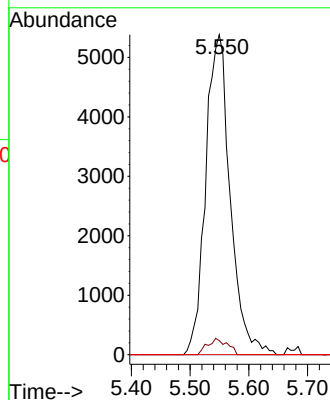
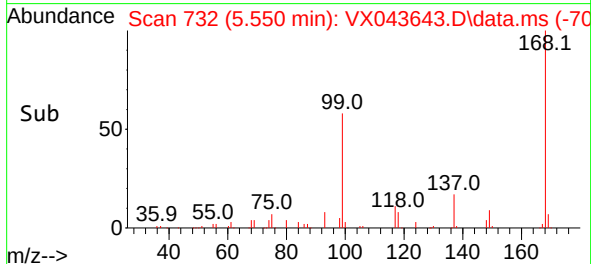


#38
Carbon Tetrachloride
Concen: 6.487 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

Instrument :
MSVOA_X
ClientSampleId :

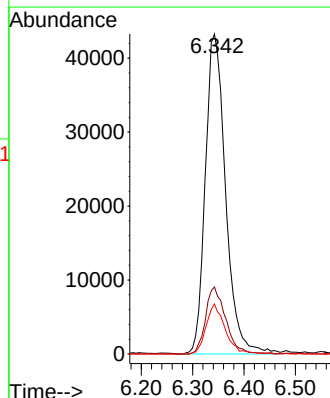
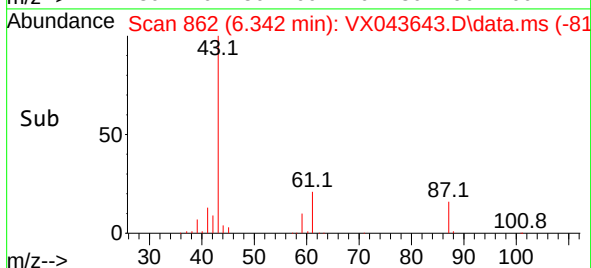
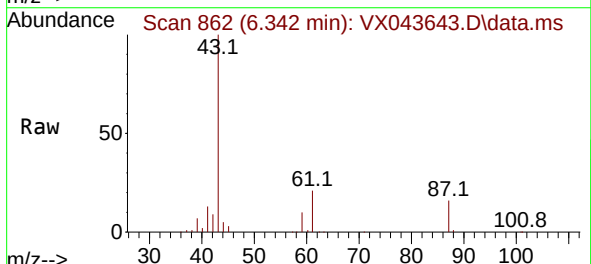


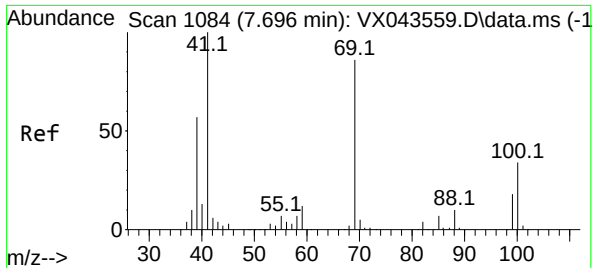
Tgt Ion:117 Resp: 15610
Ion Ratio Lower Upper
117 100
119 4.4 77.0 115.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 27.174 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

Tgt Ion: 43 Resp: 118818
Ion Ratio Lower Upper
43 100
61 20.8 16.2 24.4
87 14.7 11.0 16.6

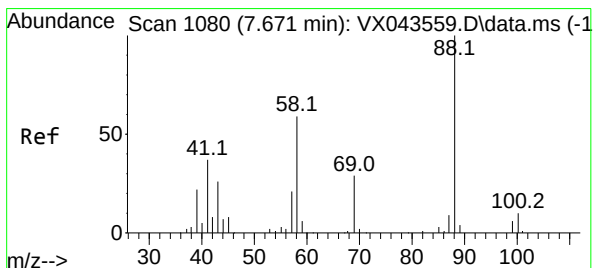
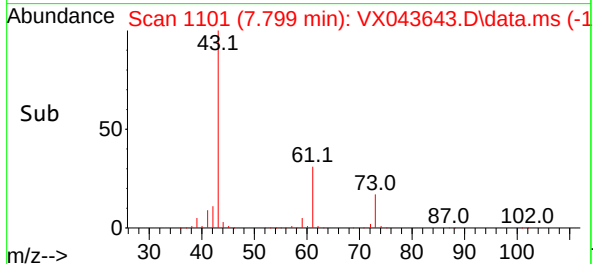
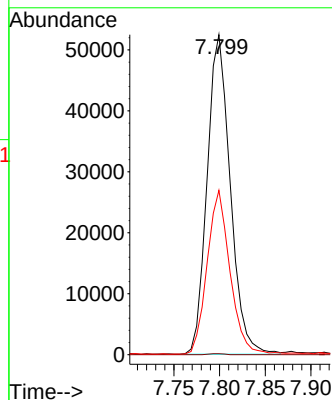
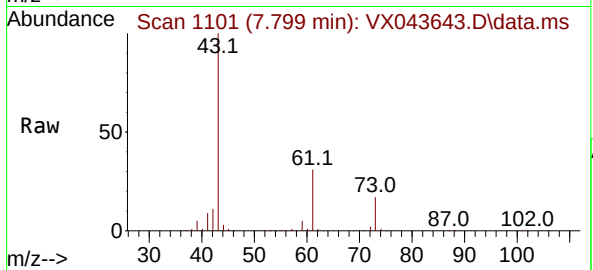




#48
Methyl methacrylate
Concen: 44.488 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

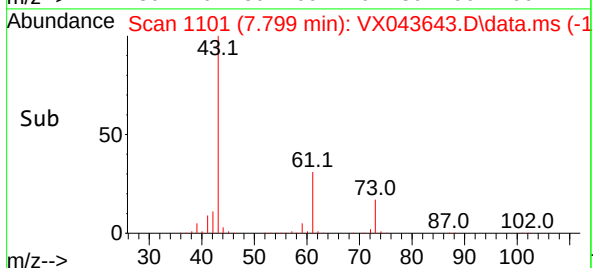
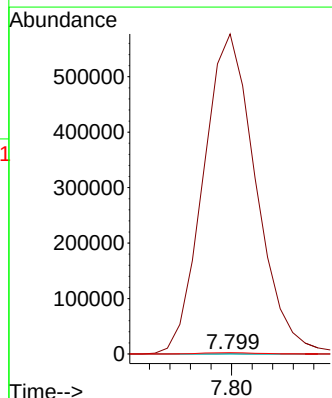
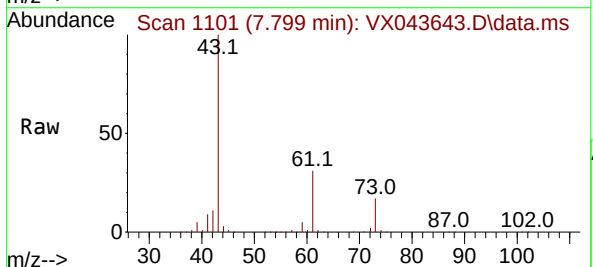
Instrument :
MSVOA_X
ClientSampleId :

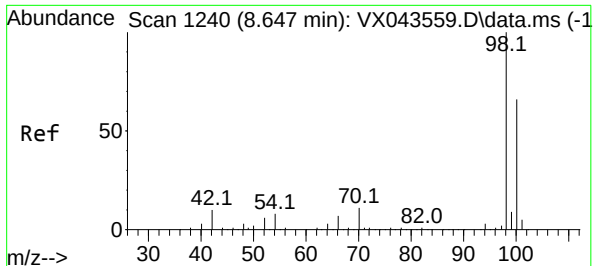
Tgt Ion: 41 Resp: 92228
Ion Ratio Lower Upper
41 100
69 0.2 67.7 101.5#
39 50.6 46.3 69.5



#49
1,4-Dioxane
Concen: 4.743 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.128 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

Tgt Ion: 88 Resp: 202
Ion Ratio Lower Upper
88 100
43 515838.1 25.3 37.9#
58 2216.8 53.9 80.9#





#50

Toluene-d8

Concen: 49.602 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043643.D

Acq: 31 Oct 2024 12:00

Instrument :

MSVOA_X

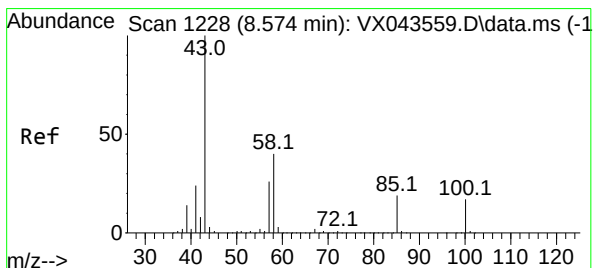
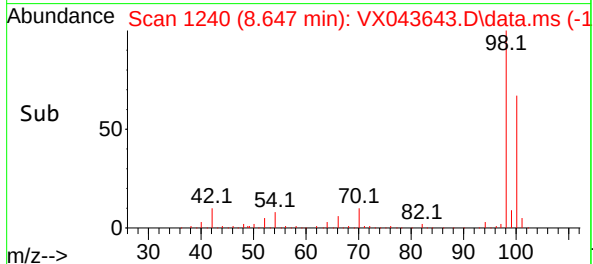
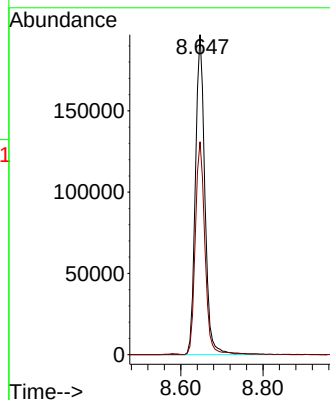
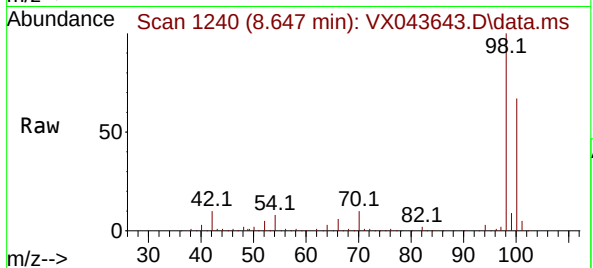
ClientSampleId :

Tgt Ion: 98 Resp: 315361

Ion Ratio Lower Upper

98 100

100 67.0 53.4 80.2



#51

4-Methyl-2-Pentanone

Concen: 33.015 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.030 min

Lab File: VX043643.D

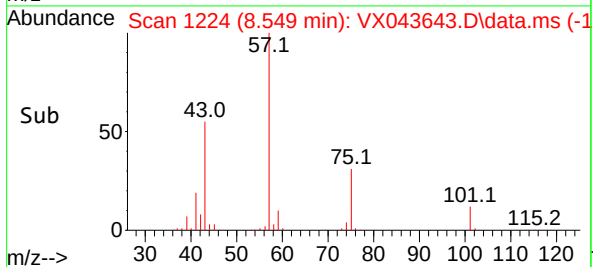
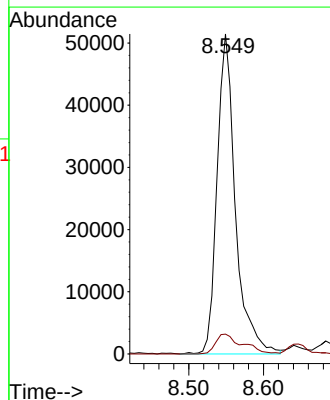
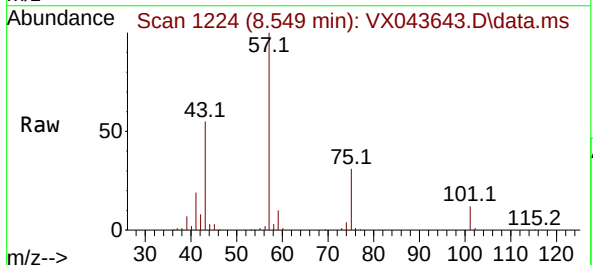
Acq: 31 Oct 2024 12:00

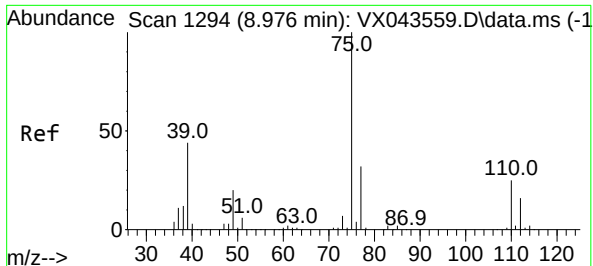
Tgt Ion: 43 Resp: 87987

Ion Ratio Lower Upper

43 100

58 9.0 31.7 47.5#





#53

t-1,3-Dichloropropene

Concen: 0.348 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX043643.D

Acq: 31 Oct 2024 12:00

Instrument :

MSVOA_X

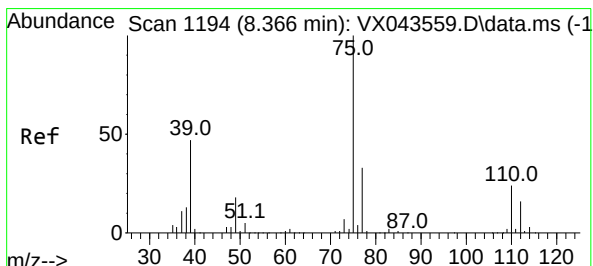
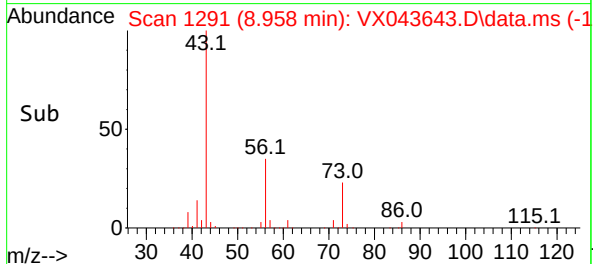
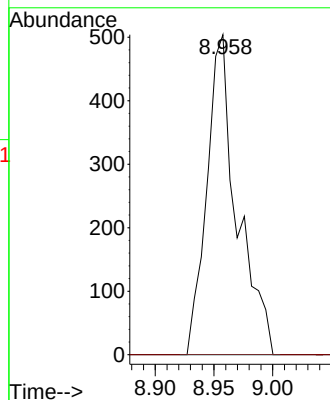
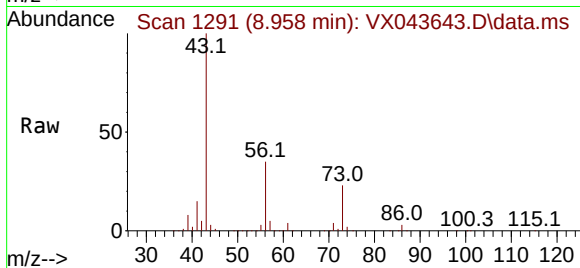
ClientSampleId :

Tgt Ion: 75 Resp: 903

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#



#54

cis-1,3-Dichloropropene

Concen: 16.522 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043643.D

Acq: 31 Oct 2024 12:00

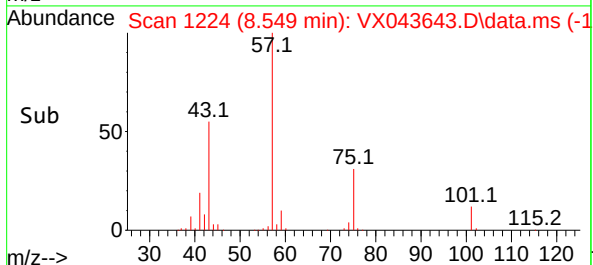
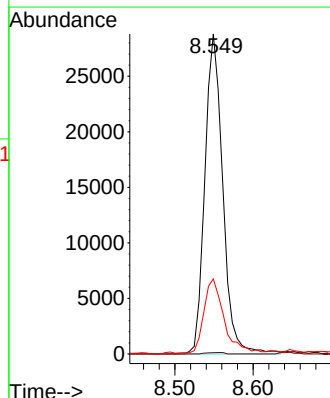
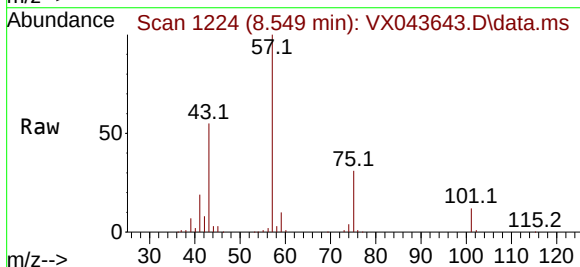
Tgt Ion: 75 Resp: 45688

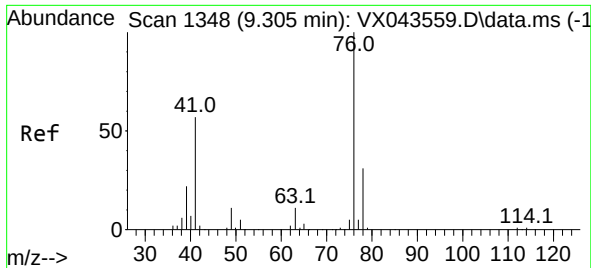
Ion Ratio Lower Upper

75 100

77 0.4 24.8 37.2#

39 23.1 37.7 56.5#





#57

1,3-Dichloropropane

Concen: 1.759 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043643.D

Acq: 31 Oct 2024 12:00

Instrument :

MSVOA_X

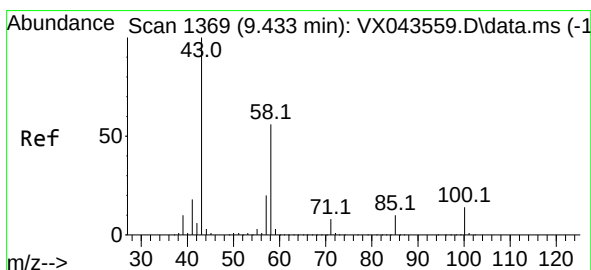
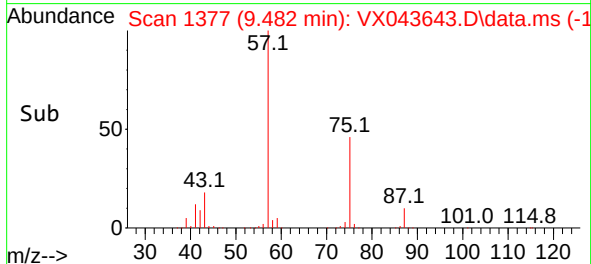
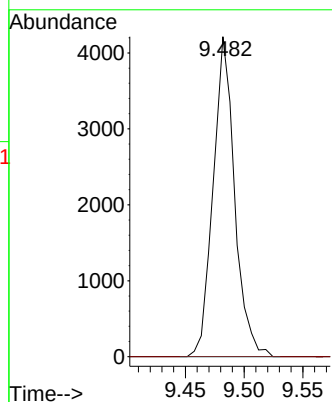
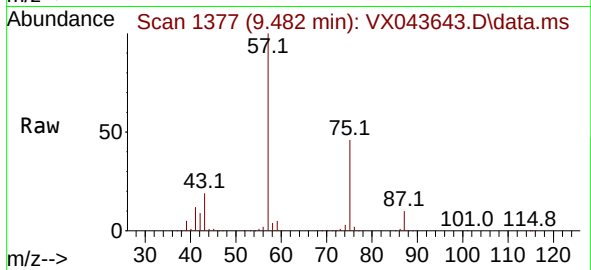
ClientSampleId :

Tgt Ion: 76 Resp: 5367

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 34.593 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043643.D

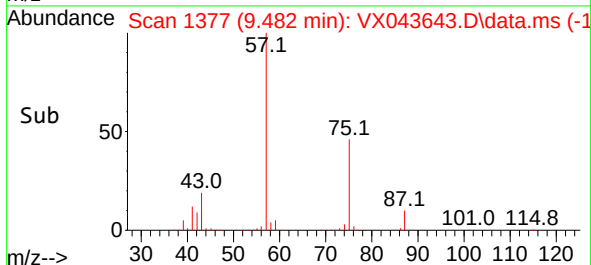
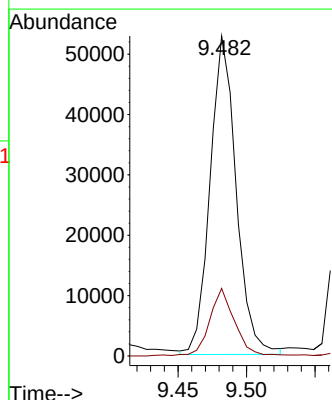
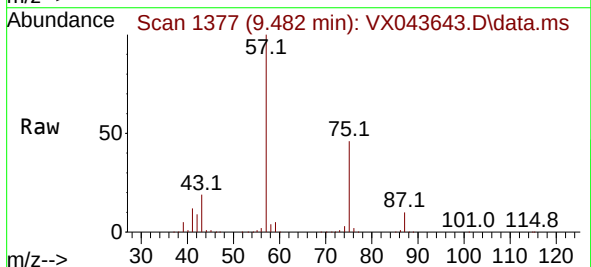
Acq: 31 Oct 2024 12:00

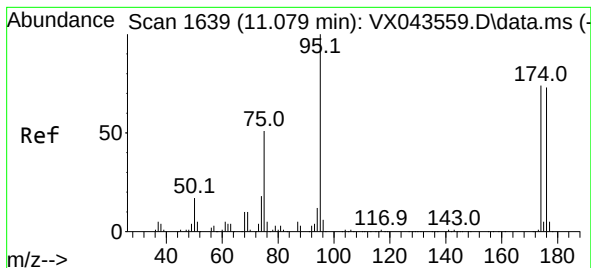
Tgt Ion: 43 Resp: 70021

Ion Ratio Lower Upper

43 100

58 20.7 27.5 82.5#

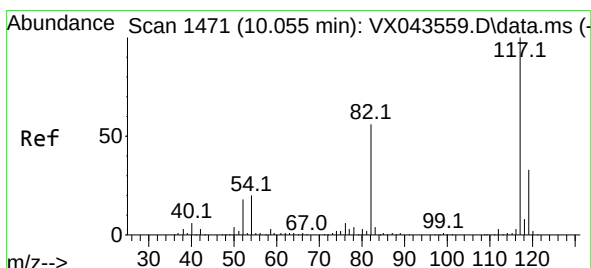
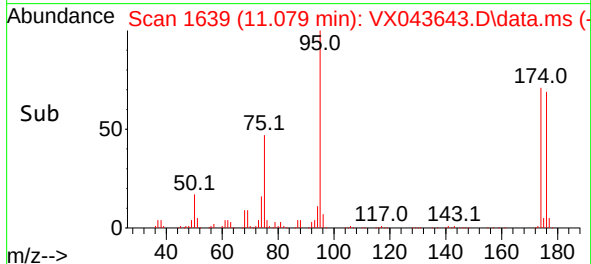
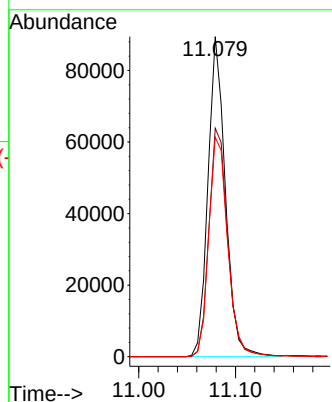
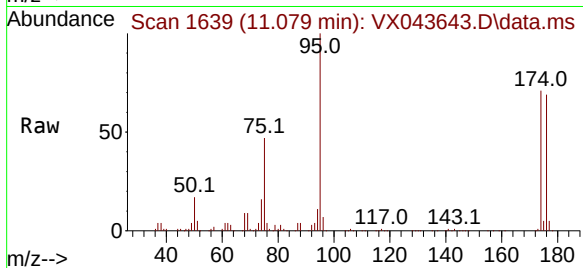




#62
4-Bromofluorobenzene
Concen: 47.754 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

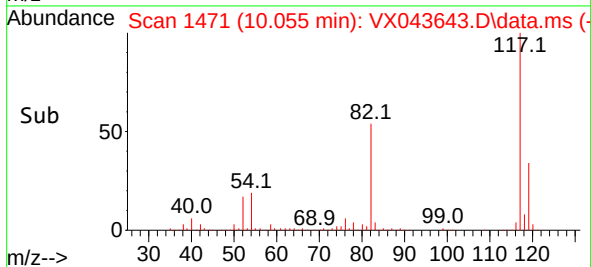
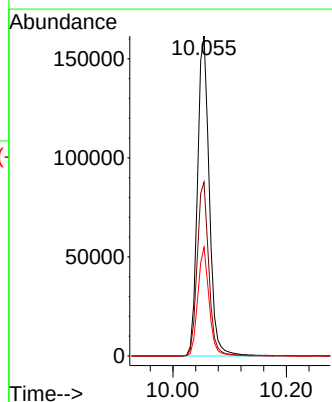
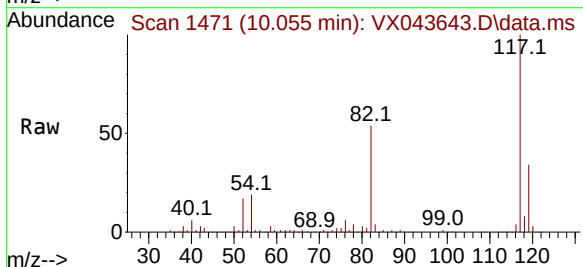
Instrument :
MSVOA_X
ClientSampleId :

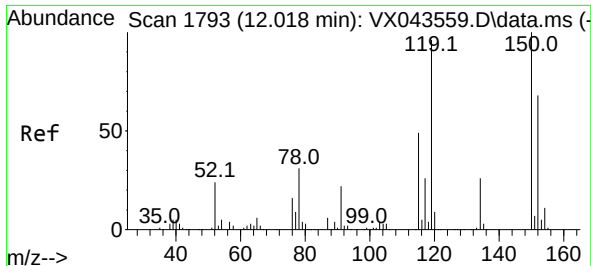
Tgt Ion: 95 Resp: 112505
Ion Ratio Lower Upper
95 100
174 76.8 0.0 146.6
176 74.5 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

Tgt Ion: 117 Resp: 233236
Ion Ratio Lower Upper
117 100
82 54.3 42.1 63.1
119 34.0 25.4 38.2

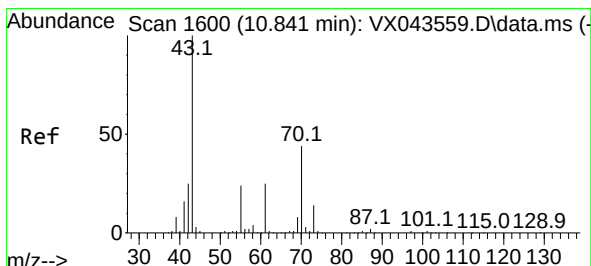
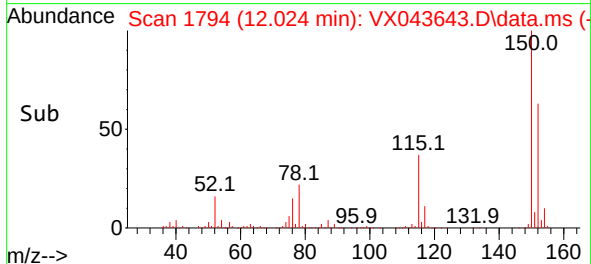
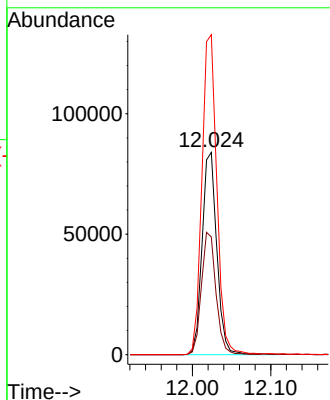
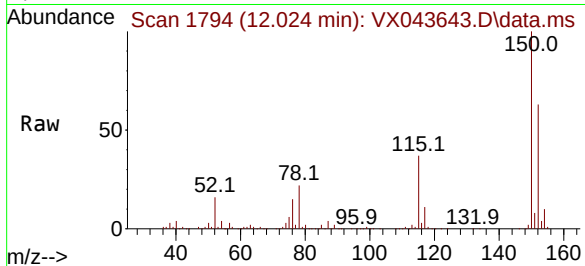




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX043643.D
 Acq: 31 Oct 2024 12:00

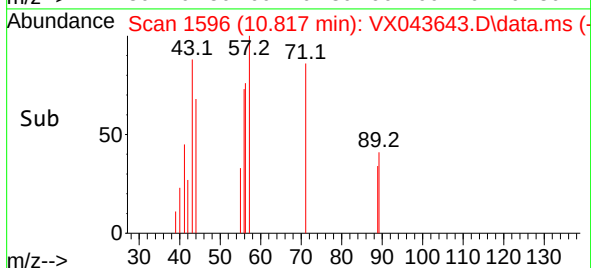
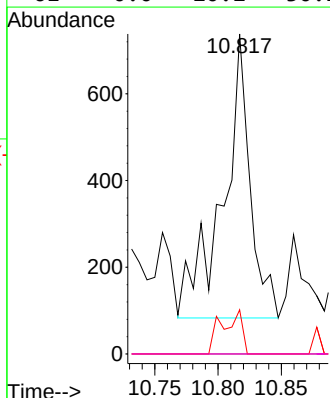
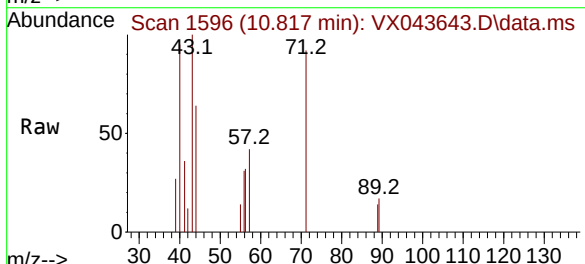
Instrument :
 MSVOA_X
 ClientSampleId :

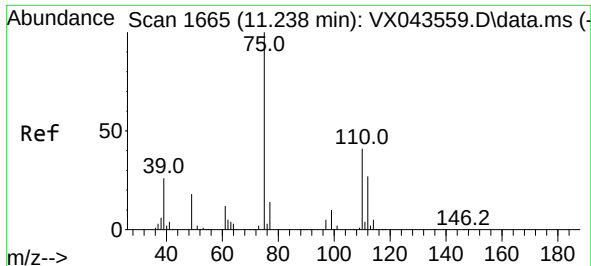
Tgt Ion:152 Resp: 109632
 Ion Ratio Lower Upper
 152 100
 115 59.8 42.9 128.7
 150 160.0 0.0 343.6



#74
 N-ethyl acetate
 Concen: 0.261 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX043643.D
 Acq: 31 Oct 2024 12:00

Tgt Ion: 43 Resp: 989
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.6 52.0#
 55 11.4 19.6 29.4#
 61 0.0 20.2 30.2#

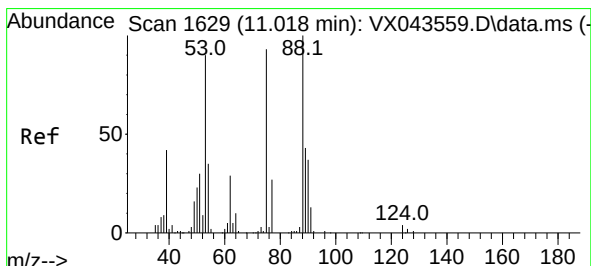
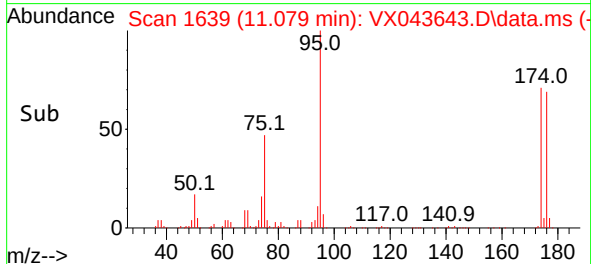
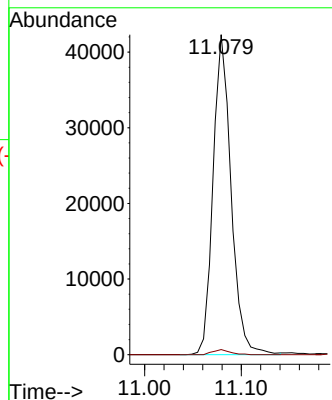
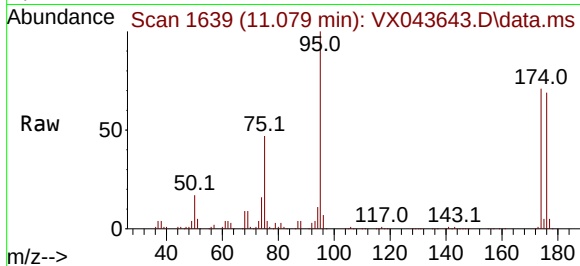




#76
1,2,3-Trichloropropane
Concen: 23.375 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 54793
Ion Ratio Lower Upper
75 100
77 1.5 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.306 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043643.D
Acq: 31 Oct 2024 12:00

Tgt Ion: 75 Resp: 54793
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#

