

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101524\
 Data File : VX043397.D
 Acq On : 15 Oct 2024 12:00 pm
 Operator : JC/MD
 Sample : PB164097ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 01:53:36 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)

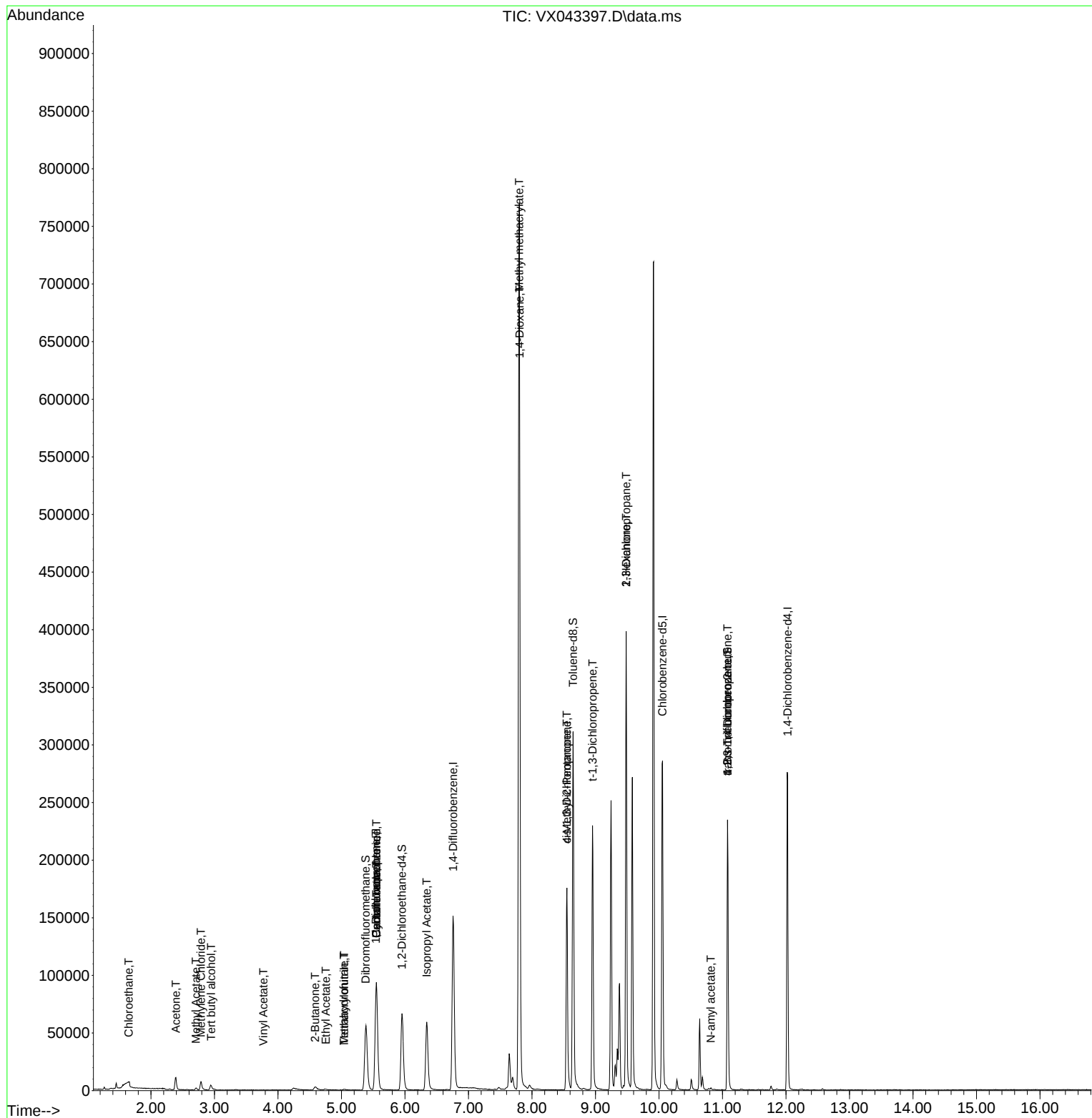
Internal Standards						
1) Pentafluorobenzene	5.550	168	83026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153792	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69530	51.278	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.560%	
35) Dibromofluoromethane	5.379	113	49393	46.570	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.140%	
50) Toluene-d8	8.647	98	177531	48.301	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.600%	
62) 4-Bromofluorobenzene	11.079	95	64344	48.187	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.380%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.648	64	87	0.234	ug/l #	42
11) Tert butyl alcohol	2.947	59	2624	10.169	ug/l #	71
16) Acetone	2.392	43	13343	23.564	ug/l	99
18) Methyl Acetate	2.709	43	2366	1.666	ug/l	98
20) Methylene Chloride	2.788	84	3695	3.539	ug/l #	89
23) Vinyl Acetate	3.770	43	19	6.344	ug/l #	71
25) 2-Butanone	4.587	43	5287	6.810	ug/l	100
29) Tetrahydrofuran	5.038	42	313	0.633	ug/l #	73
31) Cyclohexane	5.550	56	2096	1.433	ug/l #	34
36) 1,1-Dichloropropene	5.544	75	6874	5.130	ug/l #	50
37) Ethyl Acetate	4.751	43	1572	0.977	ug/l #	78
38) Carbon Tetrachloride	5.550	117	9738	6.139	ug/l #	14
41) Methacrylonitrile	5.044	41	311	0.371	ug/l #	31
43) Isopropyl Acetate	6.342	43	84324	31.728	ug/l	100
48) Methyl methacrylate	7.800	41	71403	54.756	ug/l #	45
49) 1,4-Dioxane	7.806	88	71	2.801	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	64782	40.134	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	428	0.274	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28731	17.164	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	3276	1.901	ug/l #	43
59) 2-Hexanone	9.482	43	52004	42.604	ug/l #	54
74) N-amyl acetate	10.817	43	592	0.285	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	35344	28.320	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	35344	73.396	ug/l #	8

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
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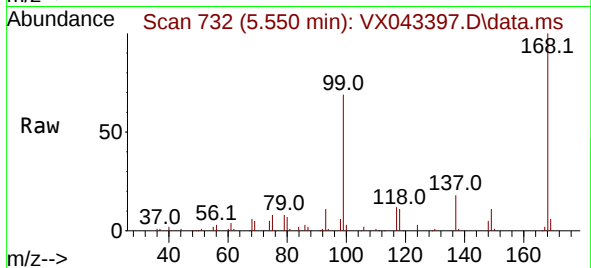


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00 pm

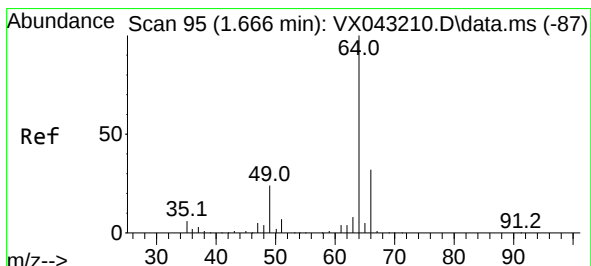
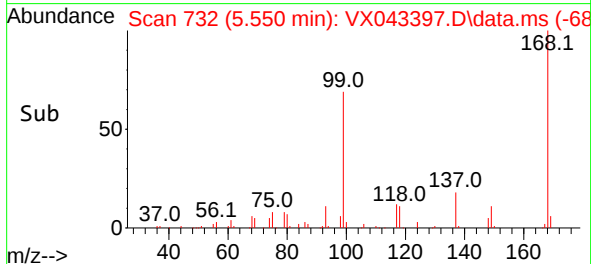
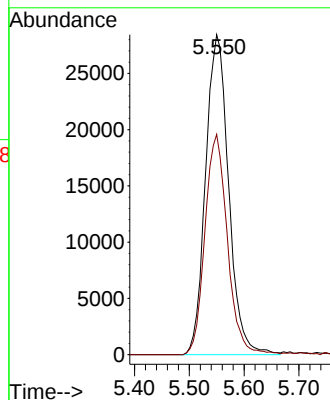
Instrument :

MSVOA_X

ClientSampleId :

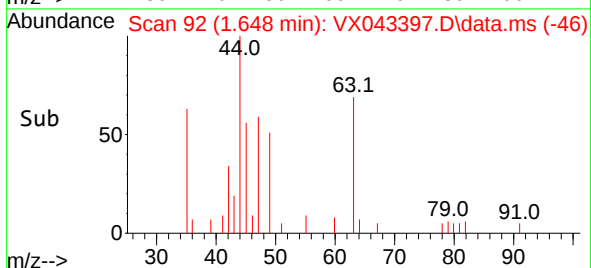
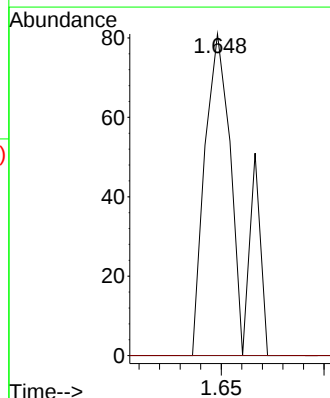
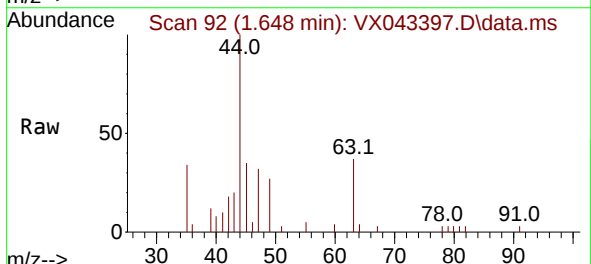


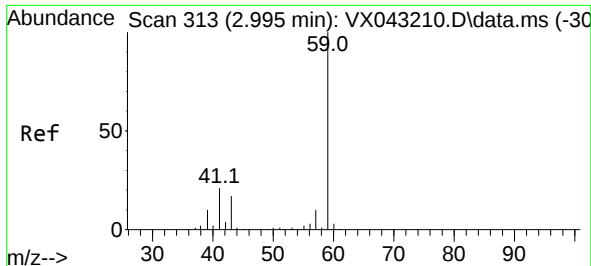
Tgt Ion:168 Resp: 83026
Ion Ratio Lower Upper
168 100
99 68.8 49.7 74.5



#6
Chloroethane
Concen: 0.234 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00 pm

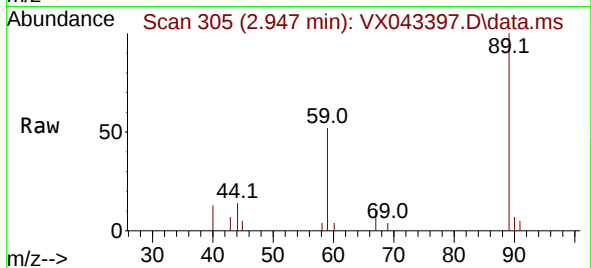
Tgt Ion: 64 Resp: 87
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



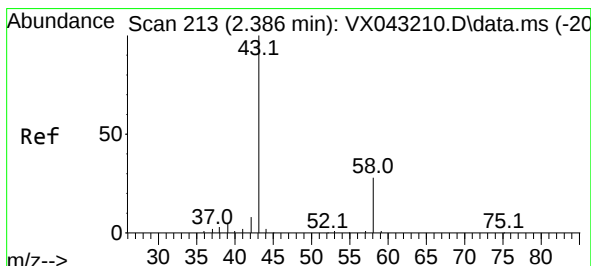
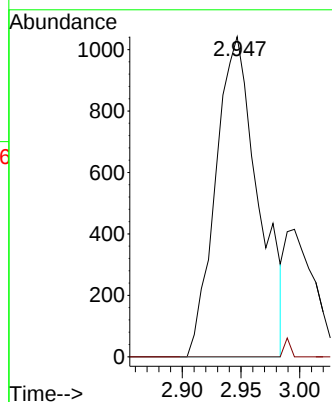
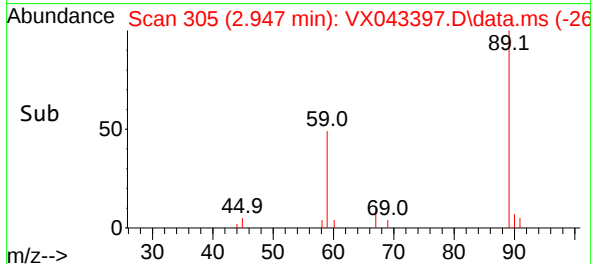


#11
Tert butyl alcohol
Concen: 10.169 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00 pm

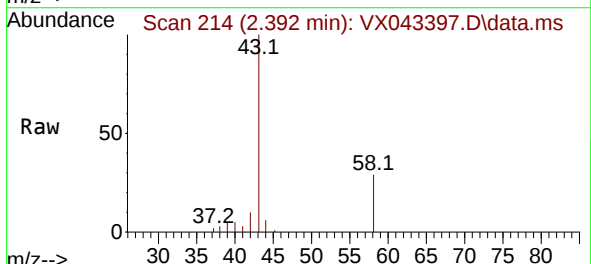
Instrument :
MSVOA_X
ClientSampleId :



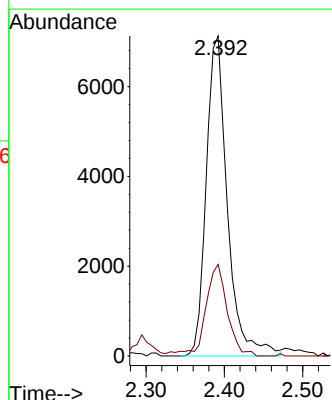
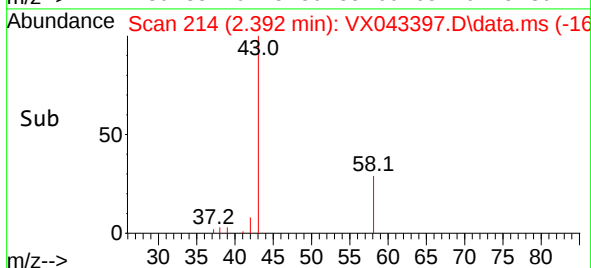
Tgt Ion: 59 Resp: 2624
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

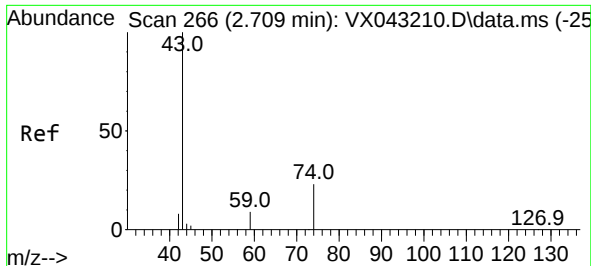


#16
Acetone
Concen: 23.564 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00 pm



Tgt Ion: 43 Resp: 13343
Ion Ratio Lower Upper
43 100
58 27.8 22.6 33.8

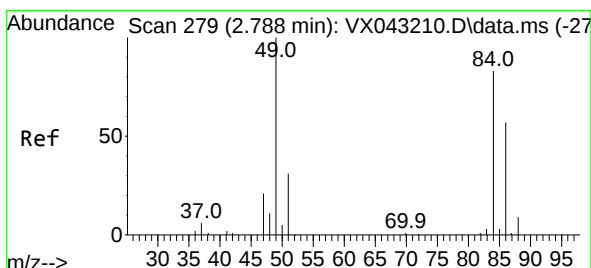
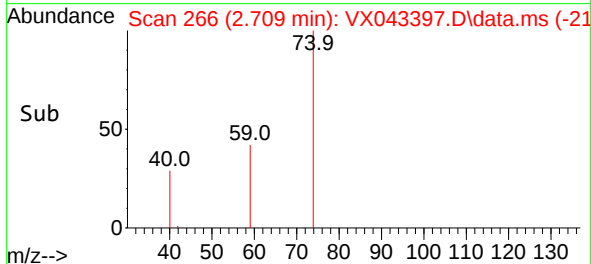
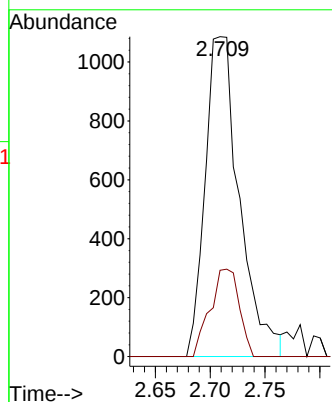
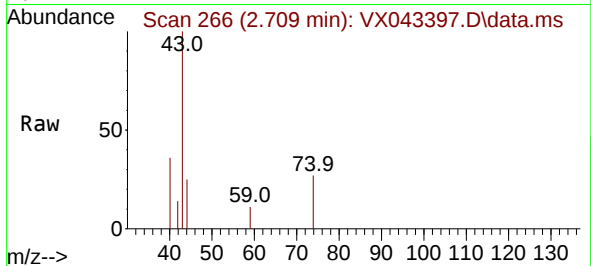




#18
Methyl Acetate
Concen: 1.666 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00 pm

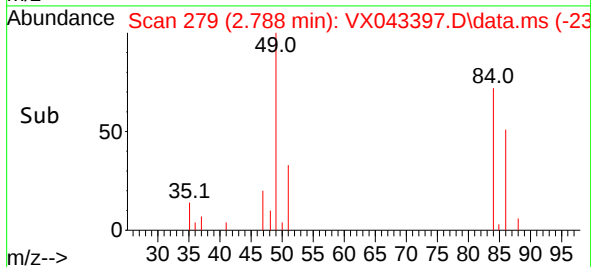
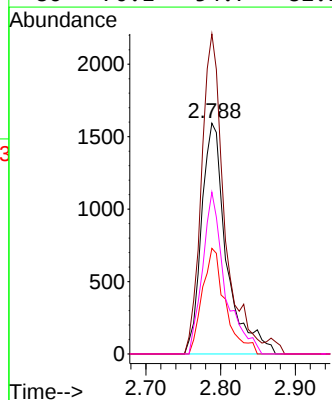
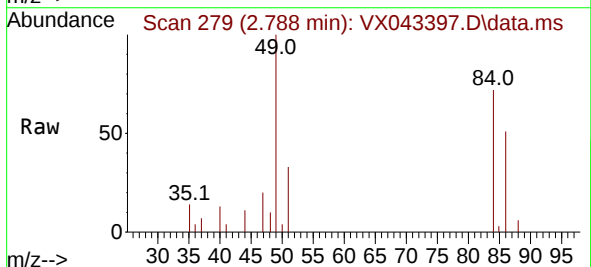
Instrument :
MSVOA_X
ClientSampleId :

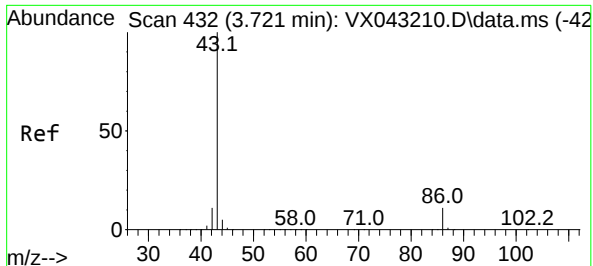
Tgt Ion: 43 Resp: 2366
Ion Ratio Lower Upper
43 100
74 23.1 19.1 28.7



#20
Methylene Chloride
Concen: 3.539 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00 pm

Tgt Ion: 84 Resp: 3695
Ion Ratio Lower Upper
84 100
49 138.7 96.7 145.1
51 45.8 30.4 45.6#
86 70.1 54.7 82.1

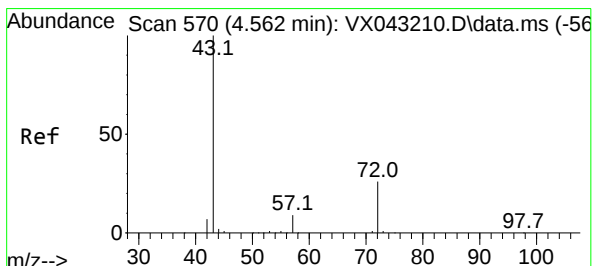
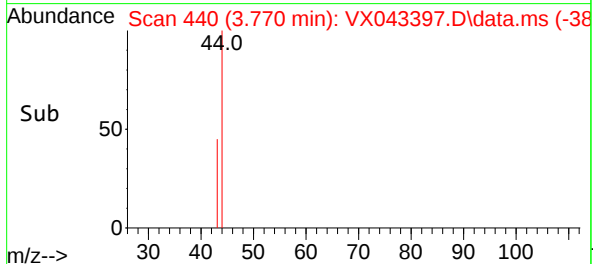
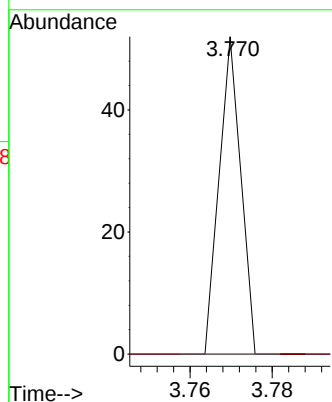
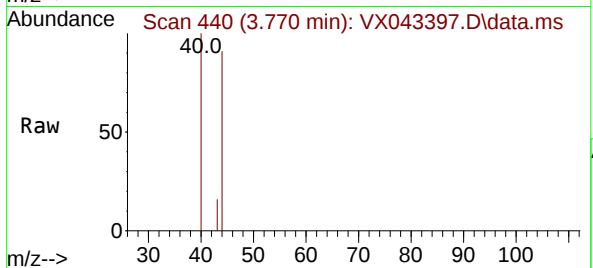




#23
 Vinyl Acetate
 Concen: 6.344 ug/l
 RT: 3.770 min Scan# 44
 Delta R.T. 0.049 min
 Lab File: VX043397.D
 Acq: 15 Oct 2024 12:00

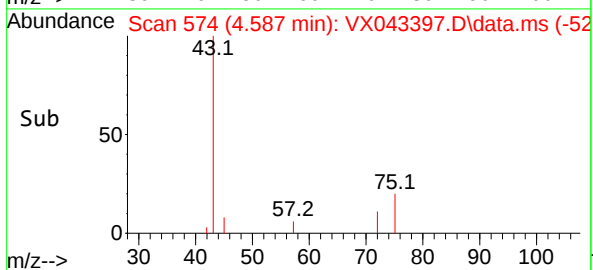
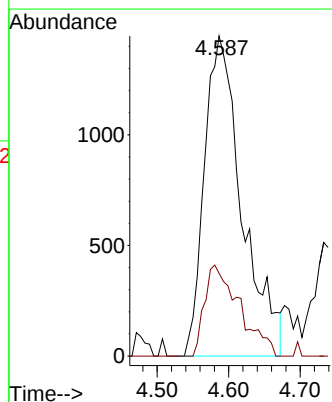
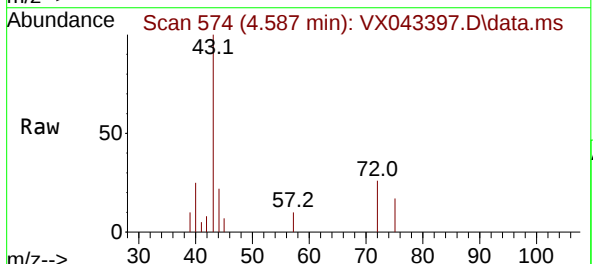
Instrument :
 MSVOA_X
 ClientSampleId :

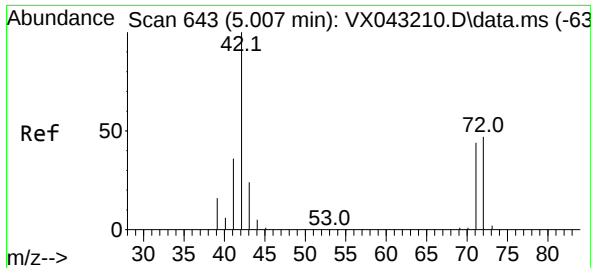
Tgt Ion: 43 Resp: 19
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 6.810 ug/l
 RT: 4.587 min Scan# 574
 Delta R.T. 0.025 min
 Lab File: VX043397.D
 Acq: 15 Oct 2024 12:00 pm

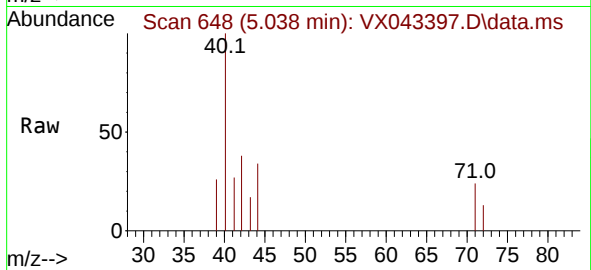
Tgt Ion: 43 Resp: 5287
 Ion Ratio Lower Upper
 43 100
 72 25.8 20.6 31.0



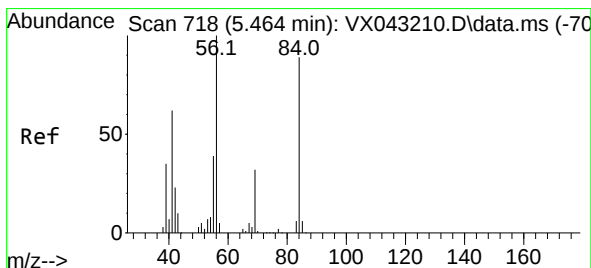
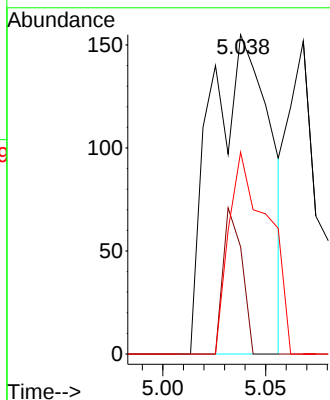
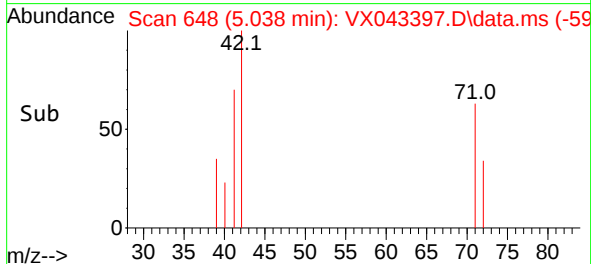


#29
Tetrahydrofuran
Concen: 0.633 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.031 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00

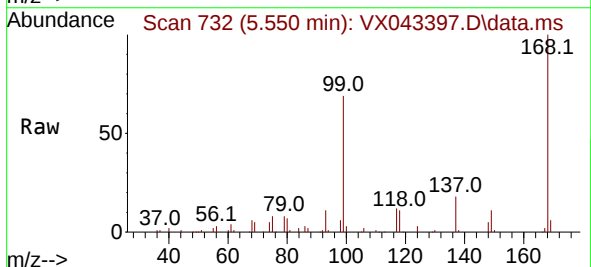
Instrument :
MSVOA_X
ClientSampleId :



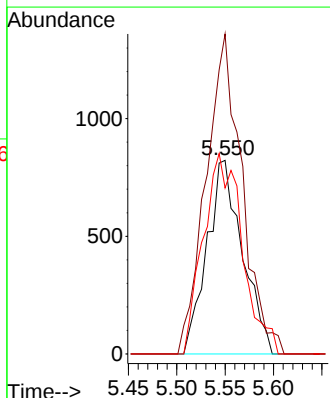
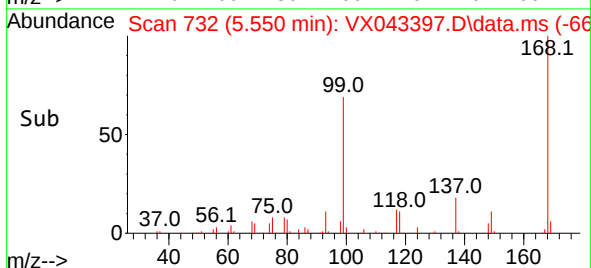
Tgt Ion:	42	Resp:	313
Ion	Ratio	Lower	Upper
42	100		
72	14.4	37.7	56.5#
71	41.9	34.6	52.0



#31
Cyclohexane
Concen: 1.433 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00 pm



Tgt Ion:	56	Resp:	2096
Ion	Ratio	Lower	Upper
56	100		
69	165.2	25.8	38.6#
84	85.7	71.1	106.7





#33

1,2-Dichloroethane-d4

Concen: 51.278 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043397.D

Acq: 15 Oct 2024 12:00

Instrument :

MSVOA_X

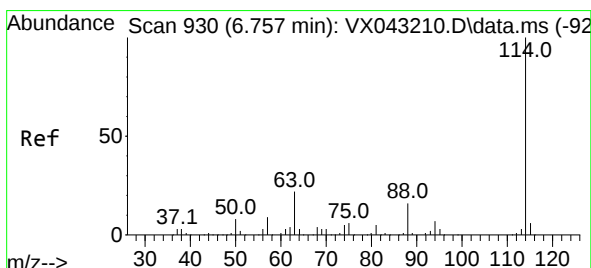
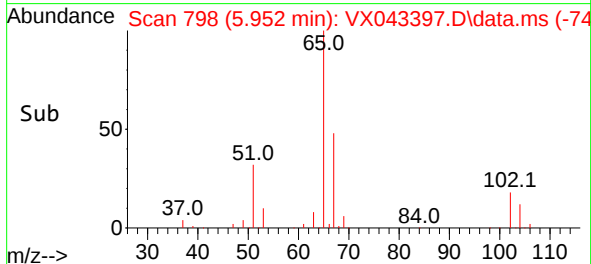
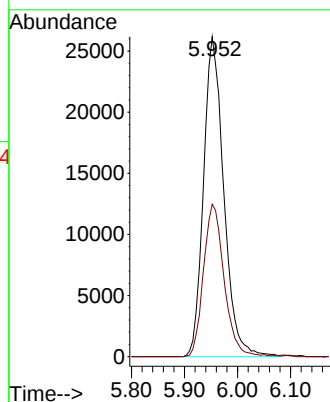
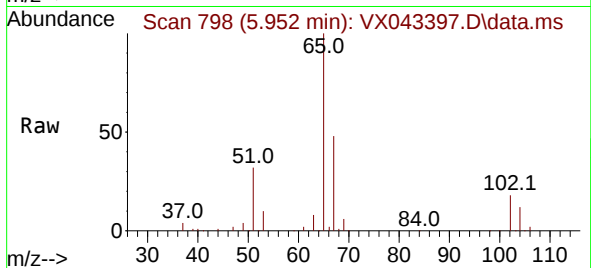
ClientSampleId :

Tgt Ion: 65 Resp: 69530

Ion Ratio Lower Upper

65 100

67 48.6 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043397.D

Acq: 15 Oct 2024 12:00 pm

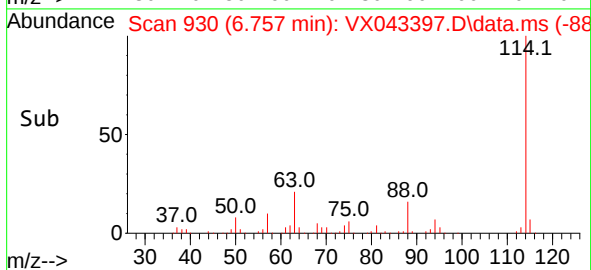
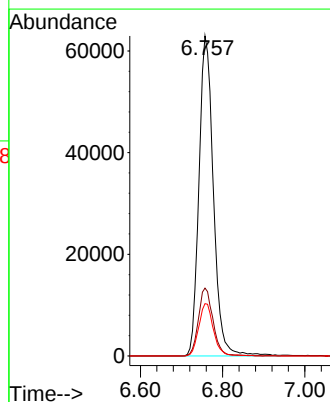
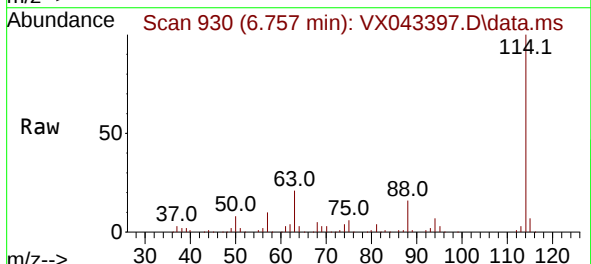
Tgt Ion: 114 Resp: 153792

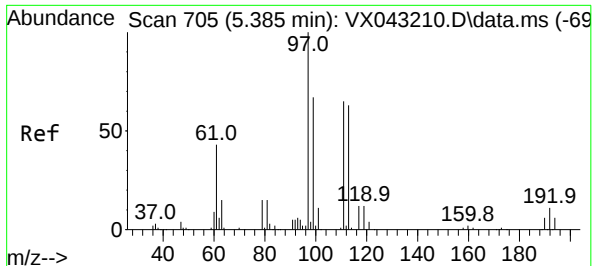
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

88 16.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 46.570 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

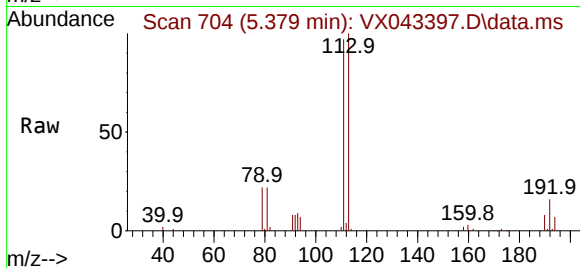
Lab File: VX043397.D

Acq: 15 Oct 2024 12:00

Instrument :

MSVOA_X

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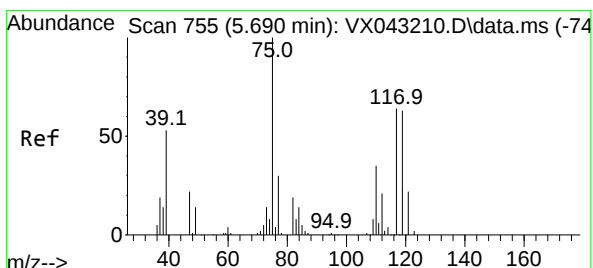
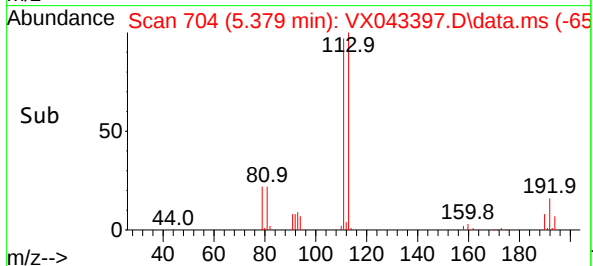
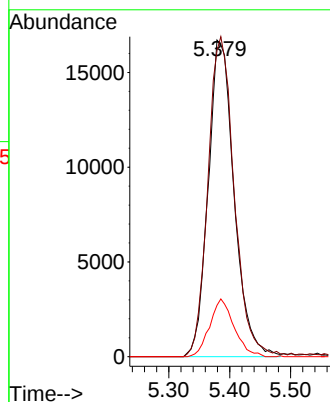
Tgt Ion:113 Resp: 49393

Ion Ratio Lower Upper

113 100

111 102.4 83.4 125.0

192 17.2 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.130 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX043397.D

Acq: 15 Oct 2024 12:00 pm

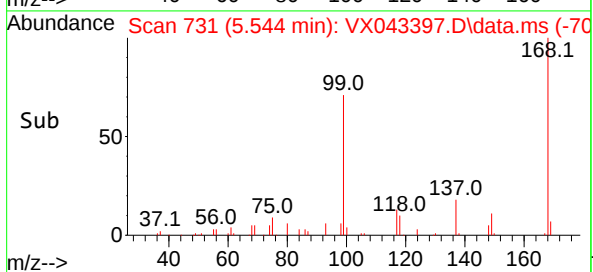
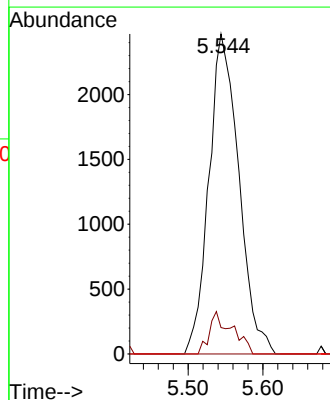
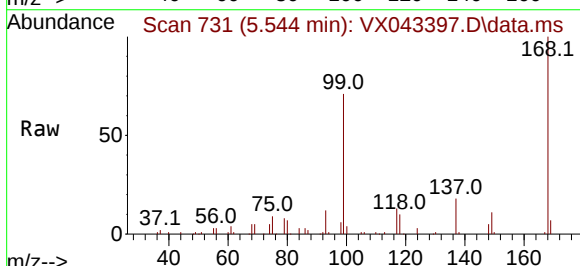
Tgt Ion: 75 Resp: 6874

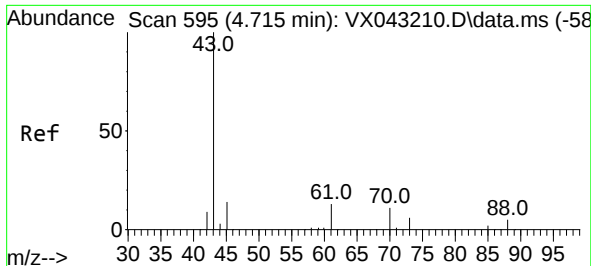
Ion Ratio Lower Upper

75 100

110 10.1 17.8 53.3#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.977 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.037 min

Lab File: VX043397.D

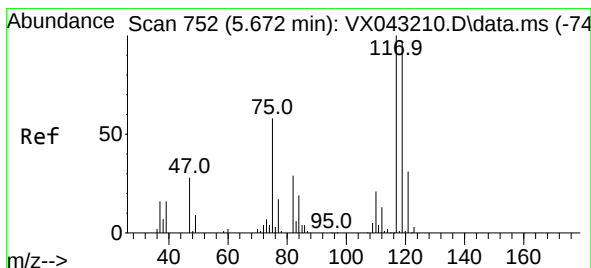
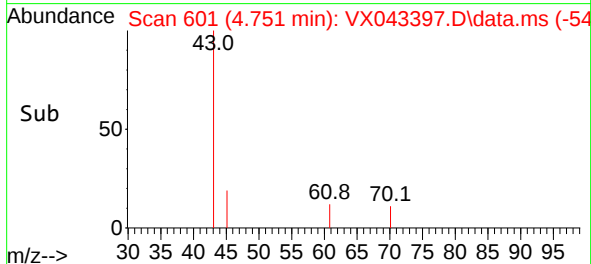
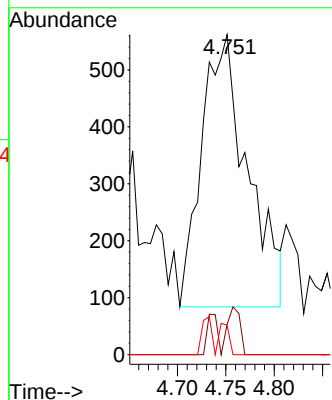
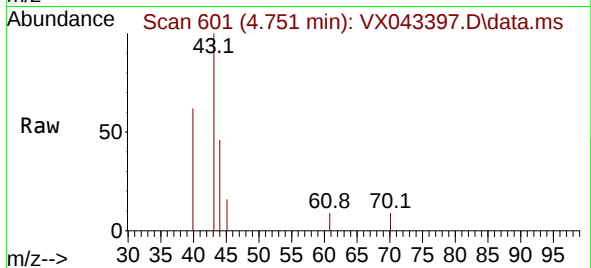
Acq: 15 Oct 2024 12:00

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	1572
Ion	Ratio	Lower	Upper
43	100		
61	4.8	11.0	16.4#
70	2.5	8.9	13.3#



#38

Carbon Tetrachloride

Concen: 6.139 ug/l

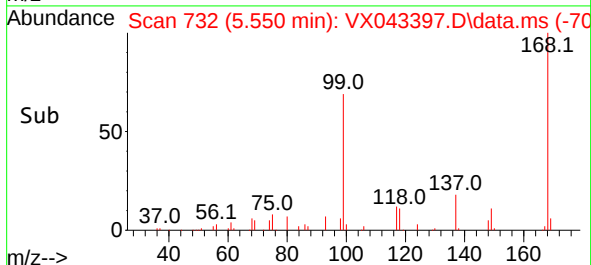
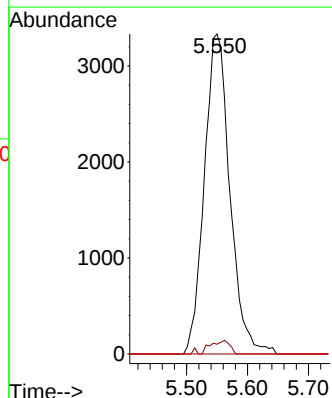
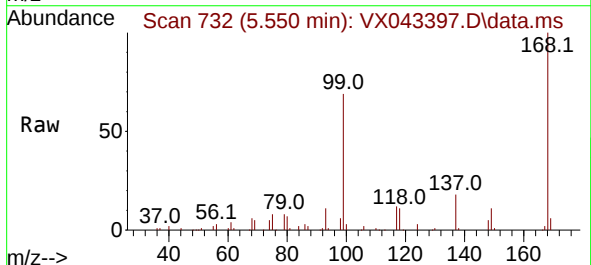
RT: 5.550 min Scan# 732

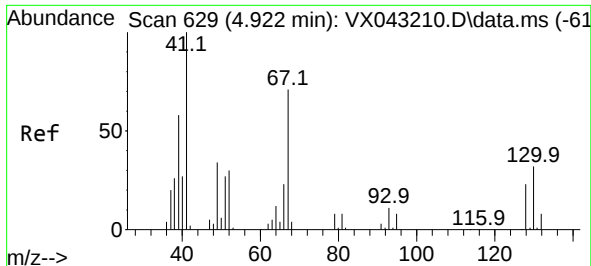
Delta R.T. -0.122 min

Lab File: VX043397.D

Acq: 15 Oct 2024 12:00 pm

Tgt Ion:	117	Resp:	9738
Ion	Ratio	Lower	Upper
117	100		
119	3.0	77.7	116.5#
121	0.0	24.3	36.5#

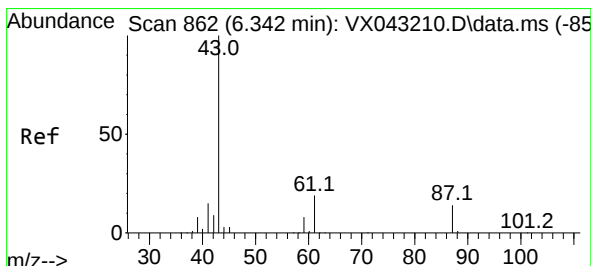
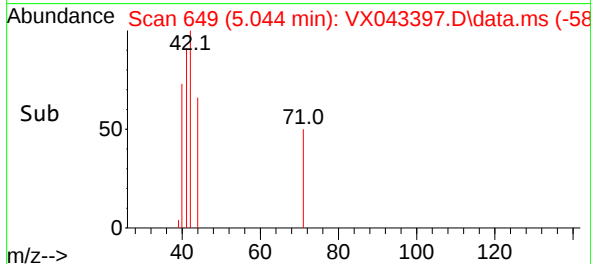
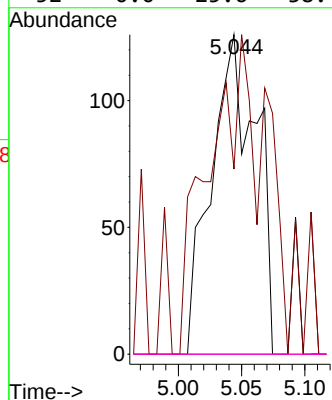
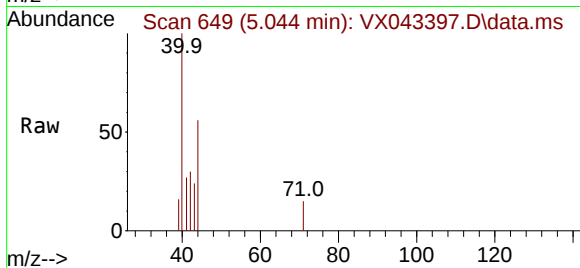




#41
Methacrylonitrile
Concen: 0.371 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00 pm

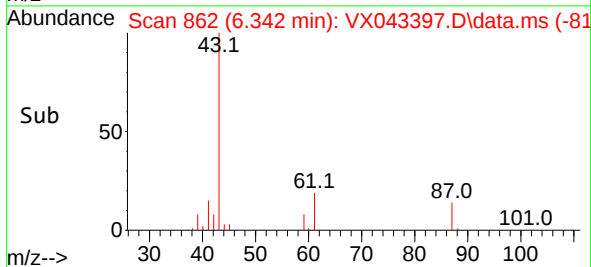
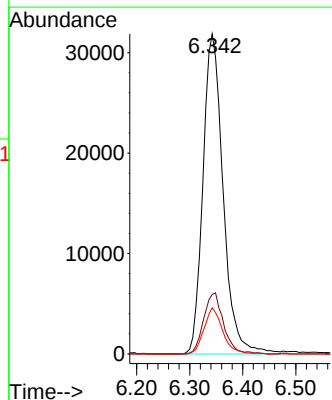
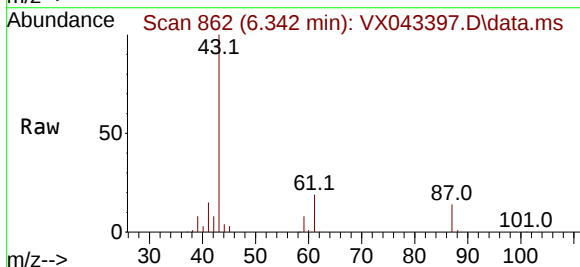
Instrument :
MSVOA_X
ClientSampleId :

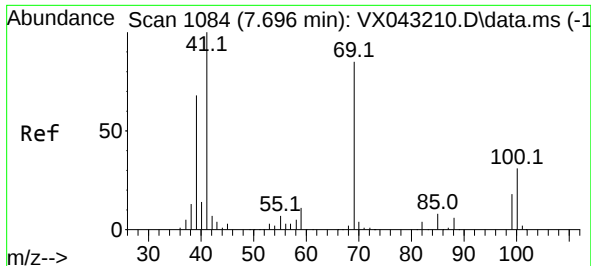
Tgt Ion: 41	Resp:	311
Ion	Ratio	Lower Upper
41	100	
39	95.8	45.0 67.4#
67	0.0	56.0 84.0#
52	0.0	25.6 38.4#



#43
Isopropyl Acetate
Concen: 31.728 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00 pm

Tgt Ion: 43	Resp:	84324
Ion	Ratio	Lower Upper
43	100	
61	18.8	15.1 22.7
87	13.4	10.8 16.2

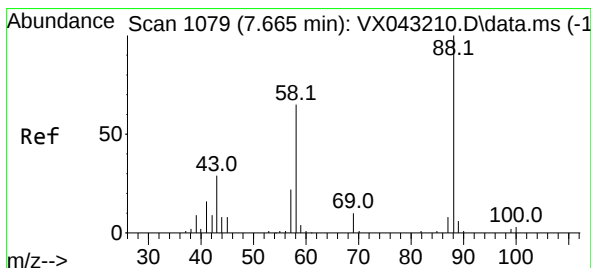
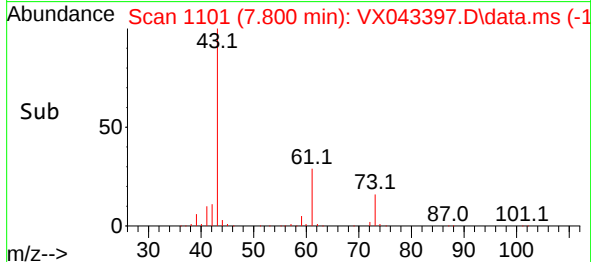
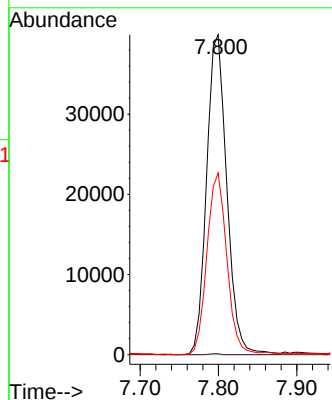
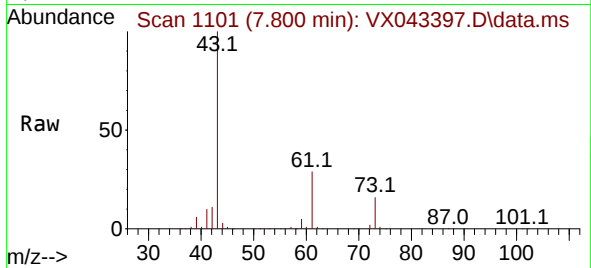




#48
Methyl methacrylate
Concen: 54.756 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00

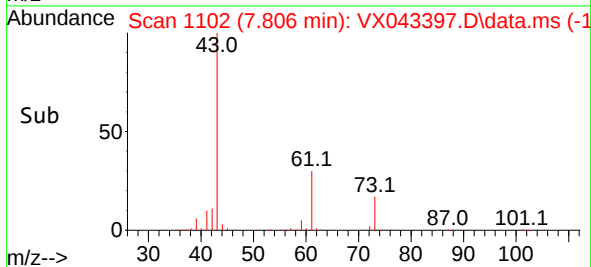
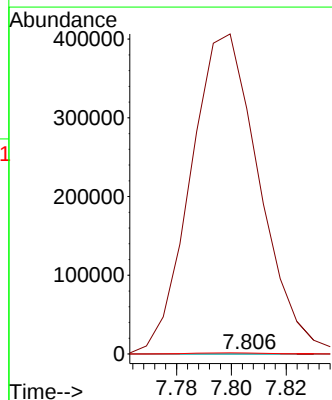
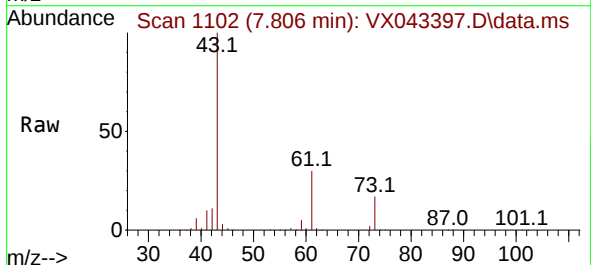
Instrument :
MSVOA_X
ClientSampleId :

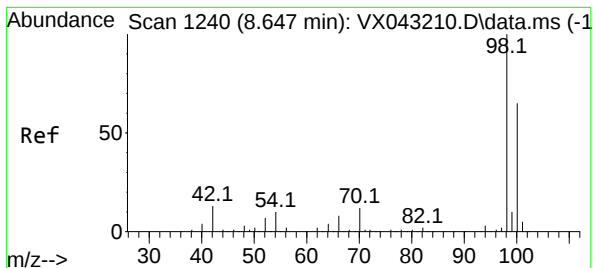
Tgt Ion: 41 Resp: 71403
Ion Ratio Lower Upper
41 100
69 0.2 64.1 96.1#
39 56.6 52.8 79.2



#49
1,4-Dioxane
Concen: 2.801 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00 pm

Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 1019416.9 29.5 44.3#
58 4101.4 55.2 82.8#





#50

Toluene-d8

Concen: 48.301 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043397.D

Acq: 15 Oct 2024 12:00

Instrument :

MSVOA_X

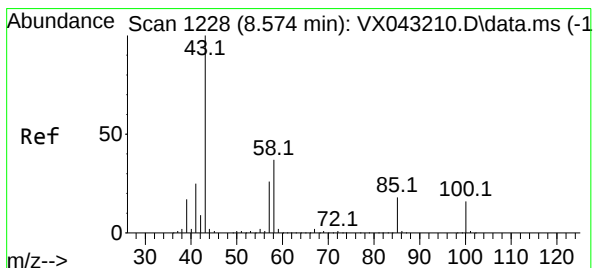
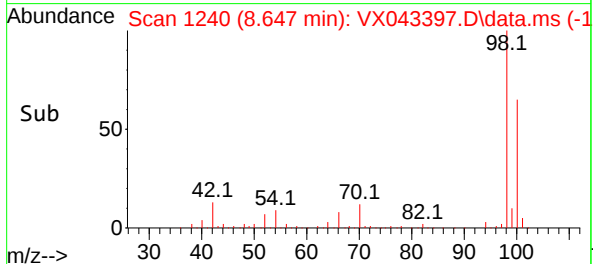
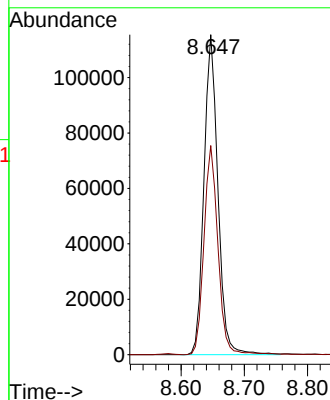
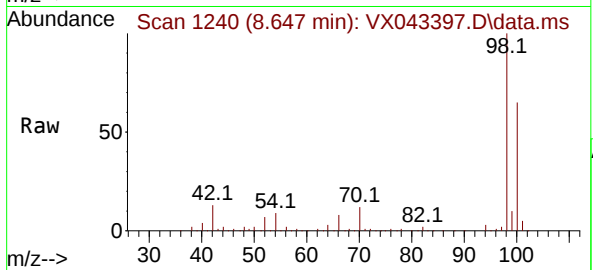
ClientSampleId :

Tgt Ion: 98 Resp: 177531

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 40.134 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX043397.D

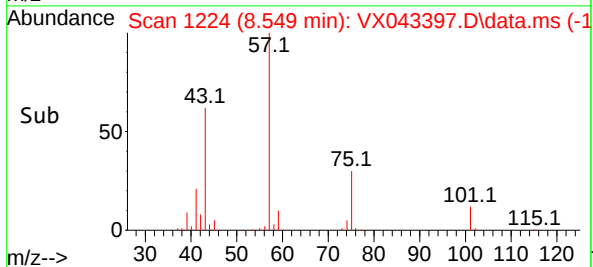
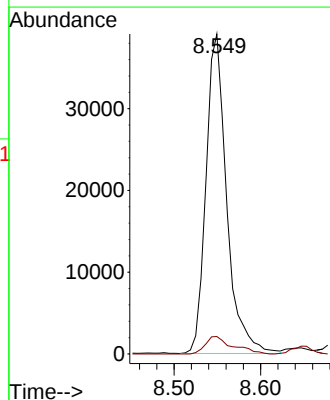
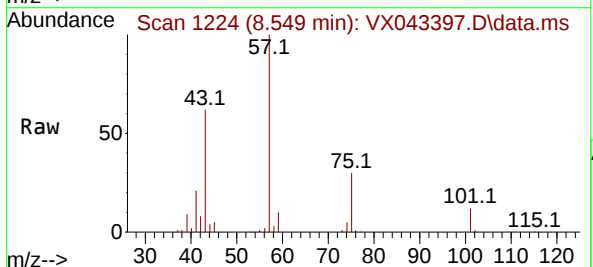
Acq: 15 Oct 2024 12:00 pm

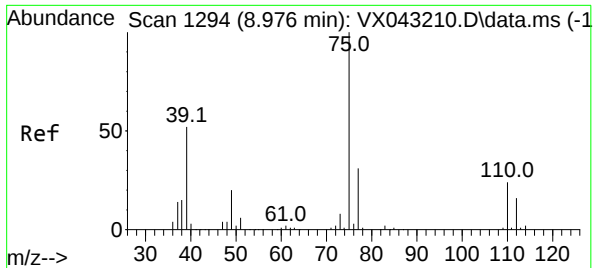
Tgt Ion: 43 Resp: 64782

Ion Ratio Lower Upper

43 100

58 7.2 30.0 45.0#

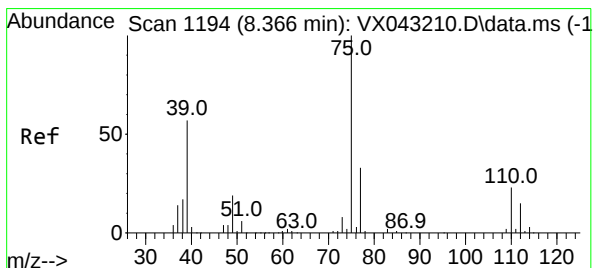
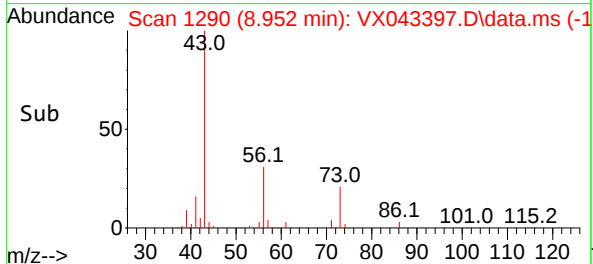
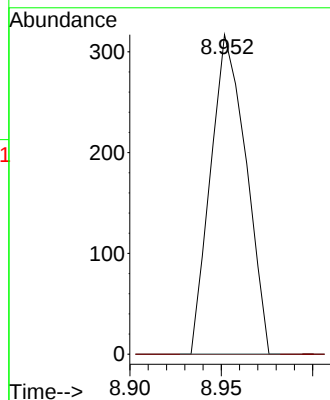
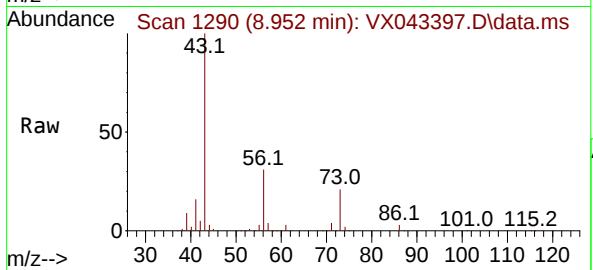




#53
t-1,3-Dichloropropene
Concen: 0.274 ug/l
RT: 8.952 min Scan# 1111
Delta R.T. -0.024 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00

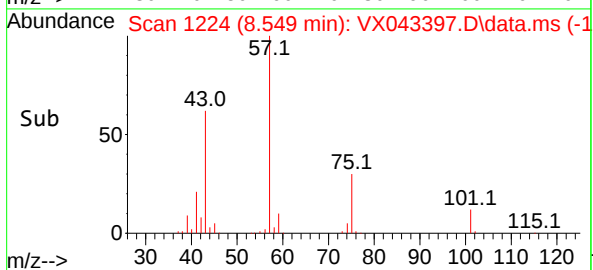
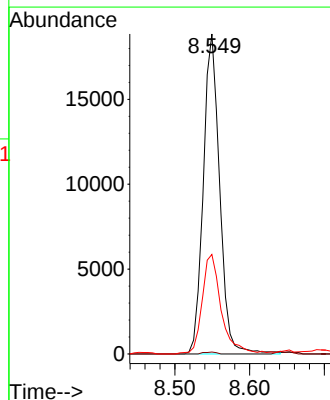
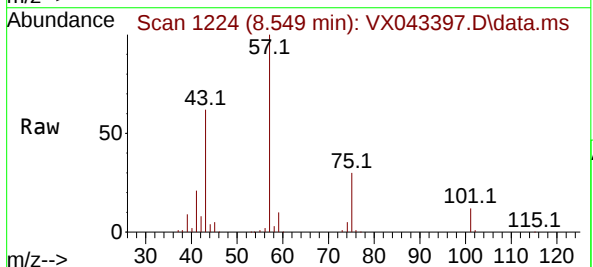
Instrument :
MSVOA_X
ClientSampleId :

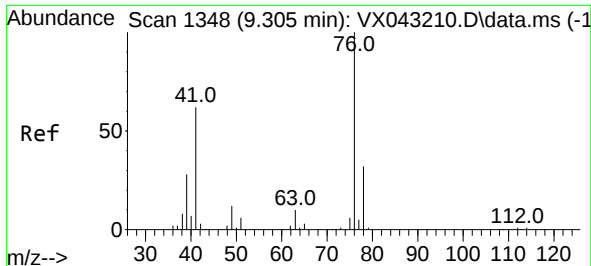
Tgt Ion: 75 Resp: 428
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 17.164 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00 pm

Tgt Ion: 75 Resp: 28731
Ion Ratio Lower Upper
75 100
77 0.6 26.0 39.0#
39 30.7 45.8 68.8#





#57

1,3-Dichloropropane

Concen: 1.901 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043397.D

Acq: 15 Oct 2024 12:00

Instrument :

MSVOA_X

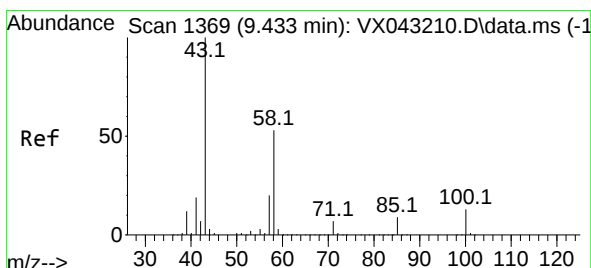
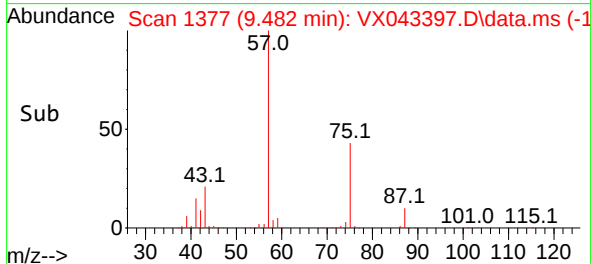
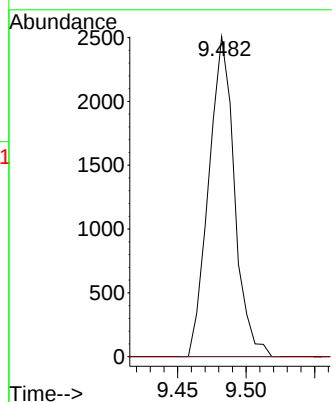
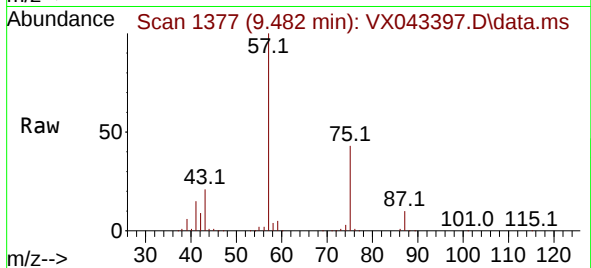
ClientSampleId :

Tgt Ion: 76 Resp: 3276

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 42.604 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043397.D

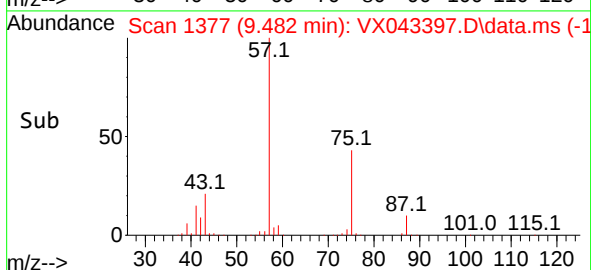
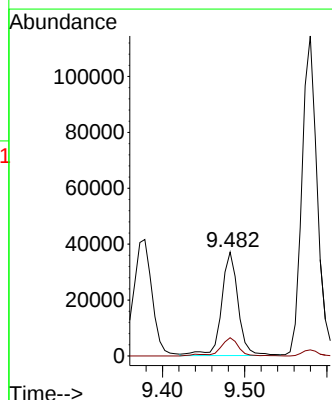
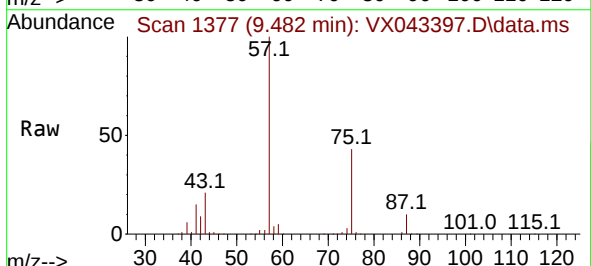
Acq: 15 Oct 2024 12:00 pm

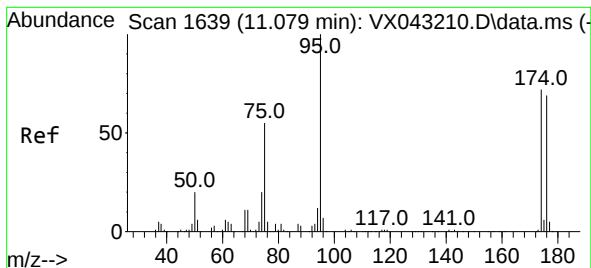
Tgt Ion: 43 Resp: 52004

Ion Ratio Lower Upper

43 100

58 19.6 26.1 78.3#

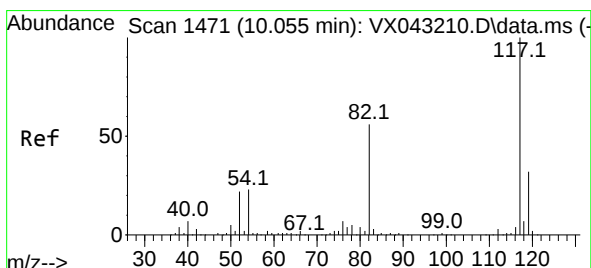
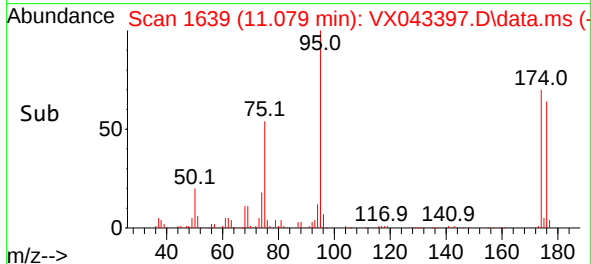
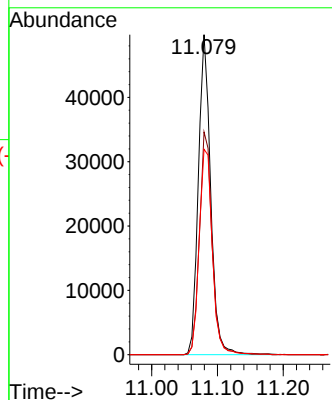
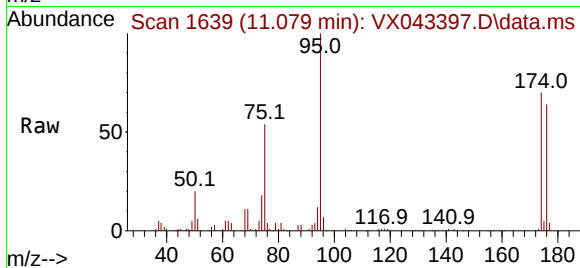




#62
4-Bromofluorobenzene
Concen: 48.187 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00

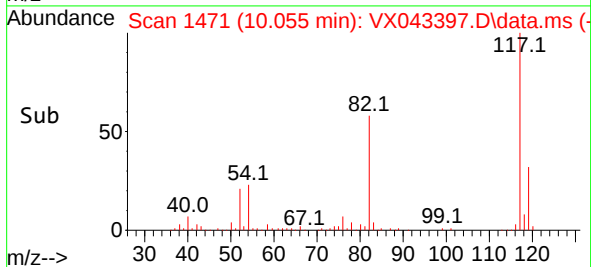
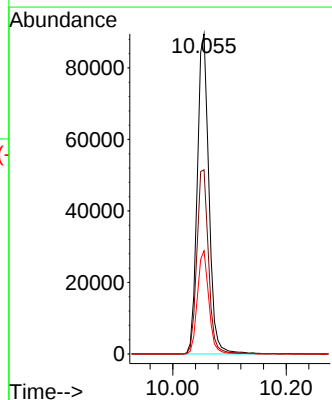
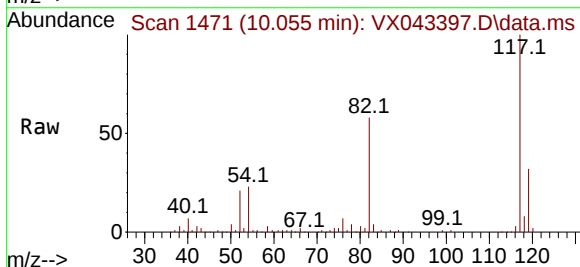
Instrument :
MSVOA_X
ClientSampleId :

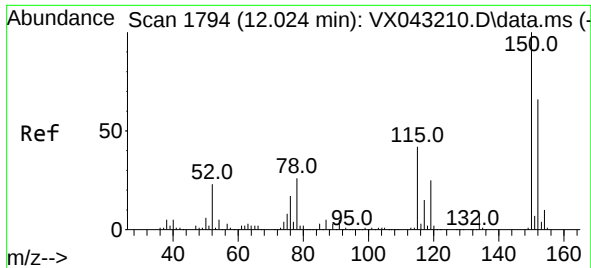
Tgt Ion: 95 Resp: 64344
Ion Ratio Lower Upper
95 100
174 71.5 0.0 145.0
176 69.1 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00 pm

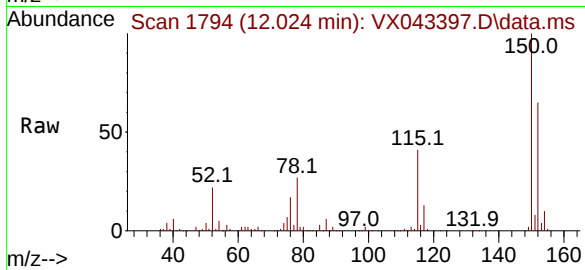
Tgt Ion: 117 Resp: 127468
Ion Ratio Lower Upper
117 100
82 57.5 45.0 67.6
119 32.3 25.3 37.9



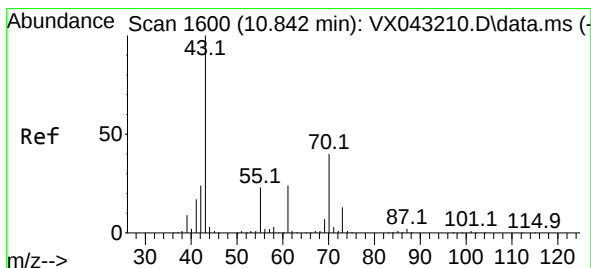
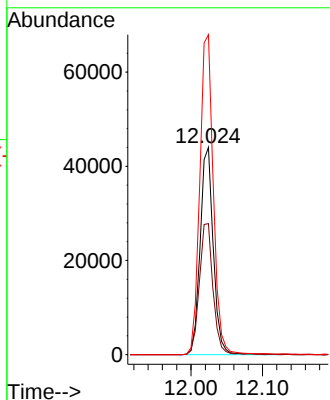
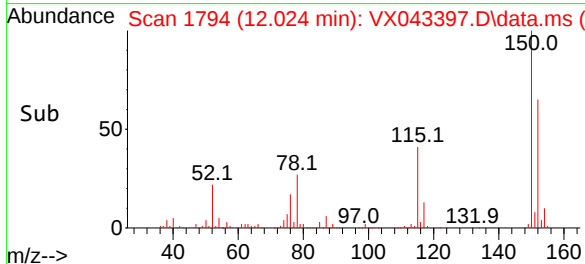


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX043397.D
 Acq: 15 Oct 2024 12:00

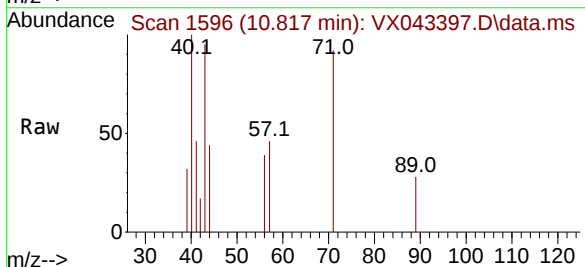
Instrument :
 MSVOA_X
 ClientSampleId :



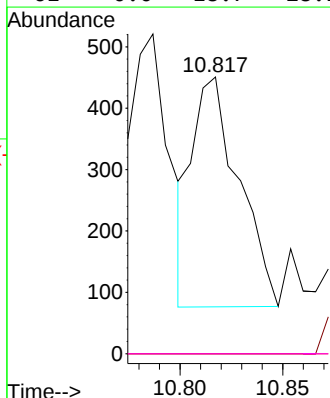
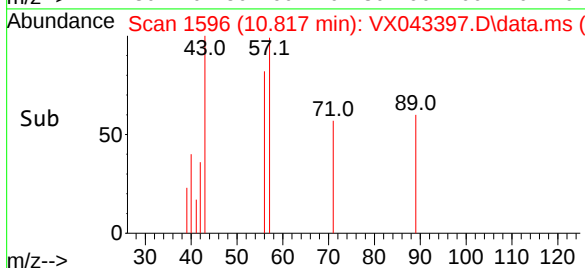
Tgt Ion:152 Resp: 56265
 Ion Ratio Lower Upper
 152 100
 115 65.8 44.1 132.3
 150 159.2 0.0 347.4

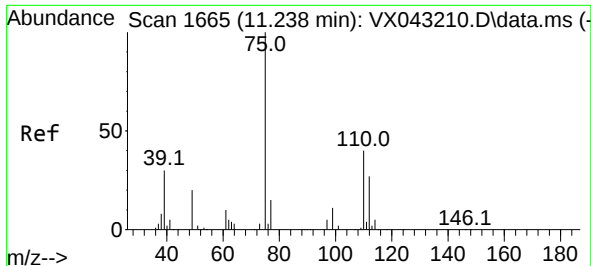


#74
 N-ethyl acetate
 Concen: 0.285 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX043397.D
 Acq: 15 Oct 2024 12:00 pm



Tgt Ion: 43 Resp: 592
 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#

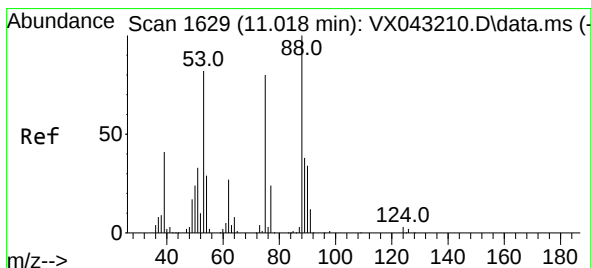
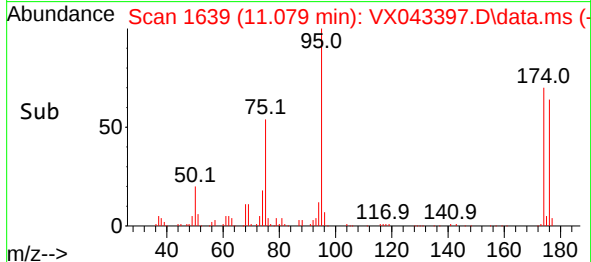
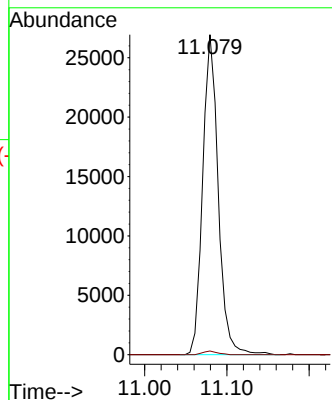
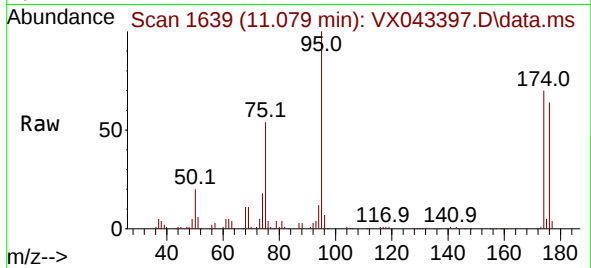




#76
1,2,3-Trichloropropane
Concen: 28.320 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 35344
Ion Ratio Lower Upper
75 100
77 1.1 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.396 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043397.D
Acq: 15 Oct 2024 12:00 pm

Tgt Ion: 75 Resp: 35344
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

