

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101524\
 Data File : VX043401.D
 Acq On : 15 Oct 2024 01:32 pm
 Operator : JC/MD
 Sample : P4403-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 01:55:14 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)

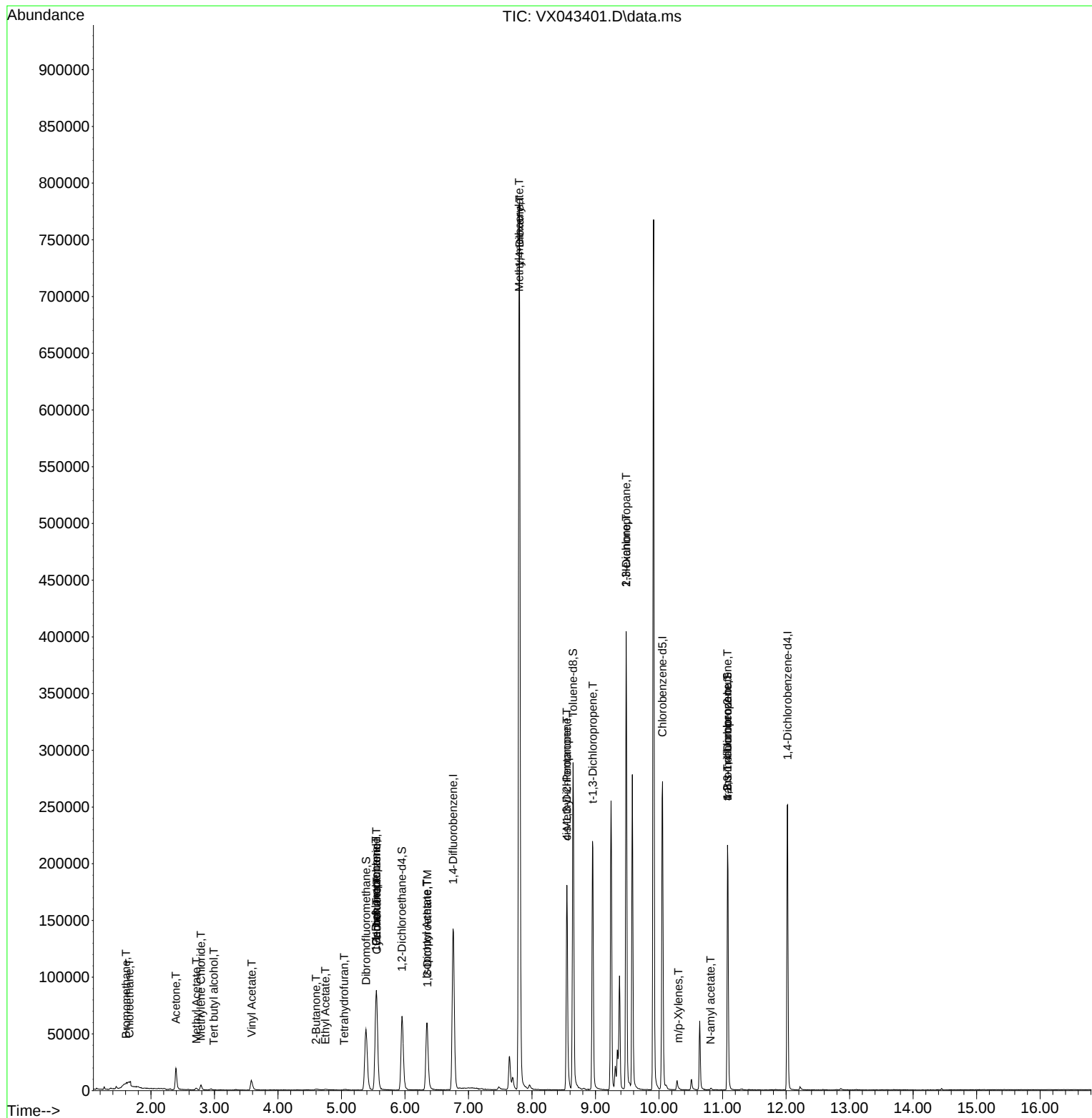
Internal Standards						
1) Pentafluorobenzene	5.549	168	80106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144042	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65873	50.352	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.700%	
35) Dibromofluoromethane	5.385	113	46772	47.084	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.160%	
50) Toluene-d8	8.646	98	170333	49.480	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.960%	
62) 4-Bromofluorobenzene	11.079	95	59781	47.801	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.600%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	80	0.204	ug/l #	2
6) Chloroethane	1.660	64	148	0.413	ug/l #	42
11) Tert butyl alcohol	2.989	59	59	0.237	ug/l #	71
16) Acetone	2.391	43	23162	42.395	ug/l	98
18) Methyl Acetate	2.715	43	2382	1.738	ug/l	96
20) Methylene Chloride	2.788	84	2155	2.139	ug/l	96
23) Vinyl Acetate	3.586	43	202	6.400	ug/l #	71
25) 2-Butanone	4.598	43	1882	2.512	ug/l	96
29) Tetrahydrofuran	5.043	42	333	0.698	ug/l #	77
31) Cyclohexane	5.556	56	1938	1.373	ug/l #	20
36) 1,1-Dichloropropene	5.543	75	7060	5.626	ug/l #	49
37) Ethyl Acetate	4.745	43	1606	1.066	ug/l #	70
38) Carbon Tetrachloride	5.549	117	8828	5.942	ug/l #	14
42) 1,2-Dichloroethane	6.354	62	352	0.227	ug/l #	77
43) Isopropyl Acetate	6.342	43	87093	34.988	ug/l	99
48) Methyl methacrylate	7.799	41	72835	59.635	ug/l #	45
49) 1,4-Dioxane	7.805	88	38	1.601	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	66595	44.050	ug/l #	51
53) t-1,3-Dichloropropene	8.957	75	534	0.365	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28795	18.367	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	3466	2.147	ug/l #	43
59) 2-Hexanone	9.482	43	50318	44.013	ug/l #	52
68) m/p-Xylenes	10.305	106	338	0.201	ug/l	93
74) N-amyl acetate	10.811	43	755	0.386	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	32681	27.775	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	32681	71.984	ug/l #	8

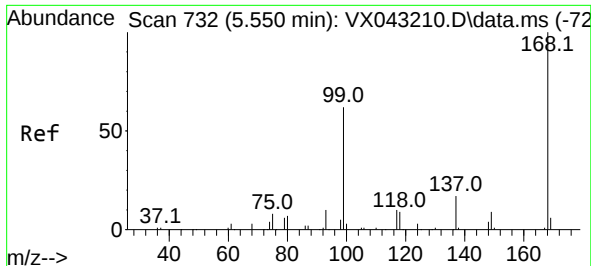
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 16 01:55:14 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



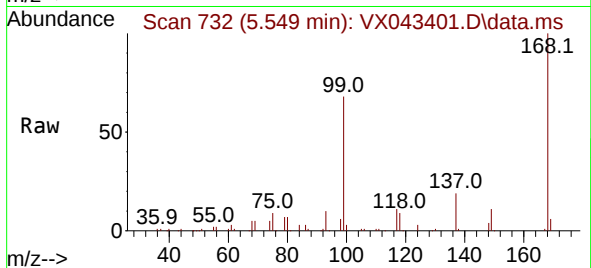


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

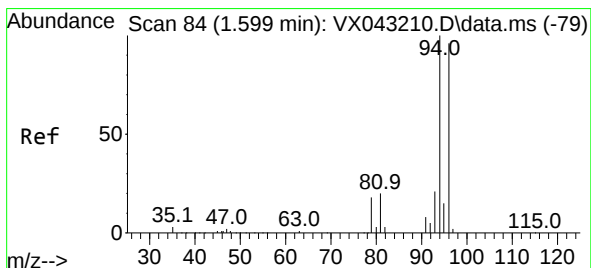
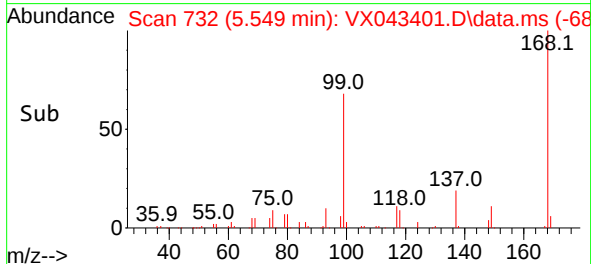
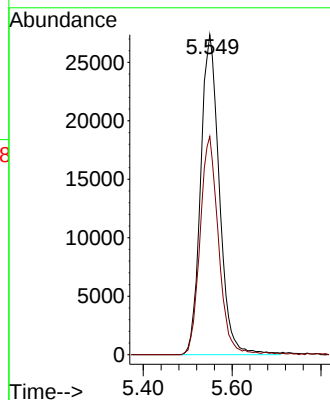
Instrument :

MSVOA_X

ClientSampleId :

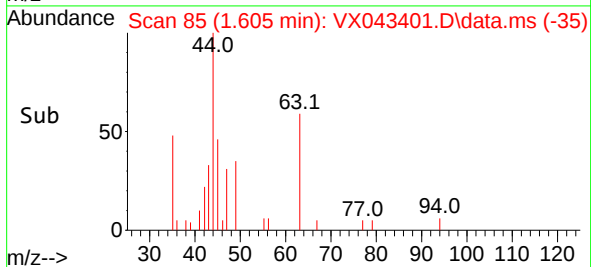
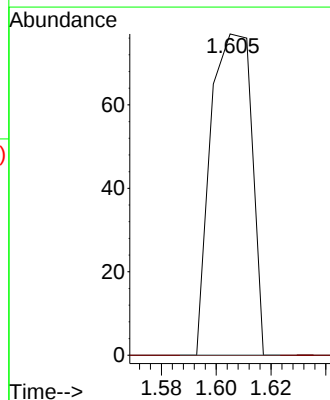
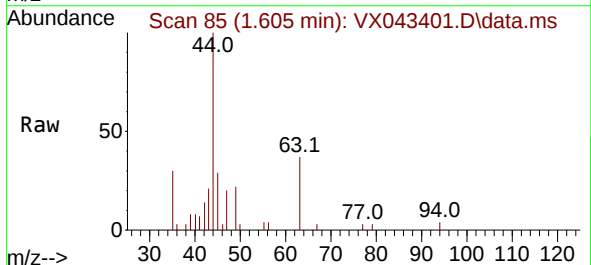


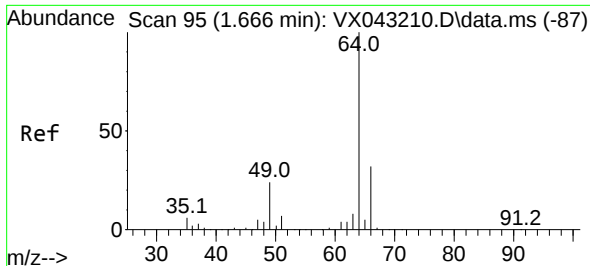
Tgt Ion:168 Resp: 80106
Ion Ratio Lower Upper
168 100
99 68.2 49.7 74.5



#5
Bromomethane
Concen: 0.204 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm

Tgt Ion: 94 Resp: 80
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#

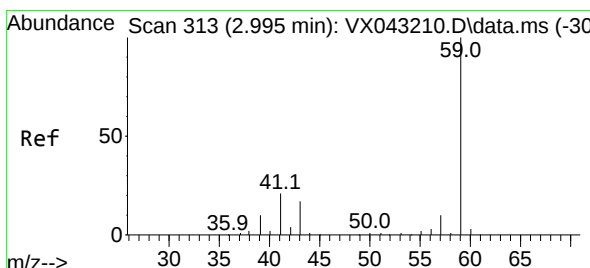
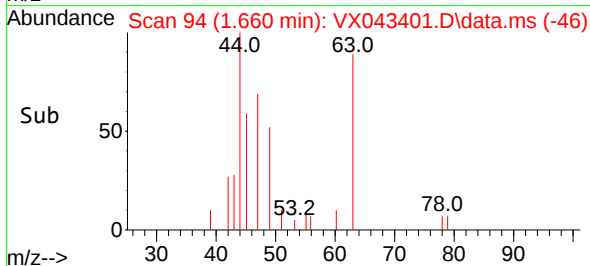
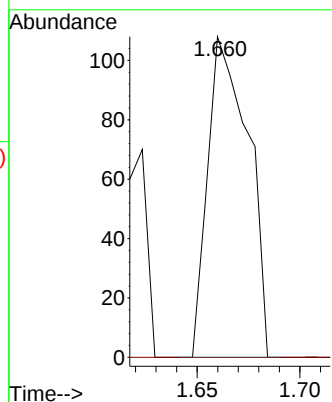
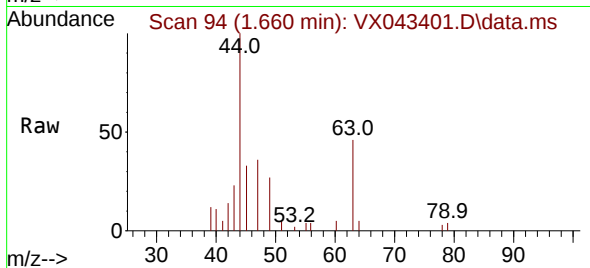




#6
 Chloroethane
 Concen: 0.413 ug/l
 RT: 1.660 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VX043401.D
 Acq: 15 Oct 2024 01:32

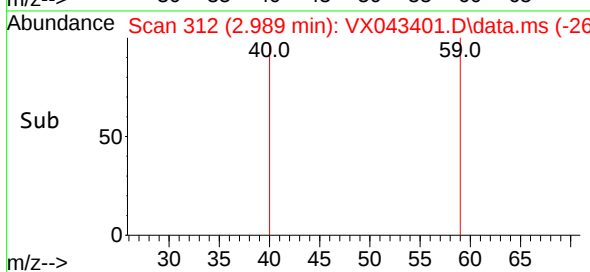
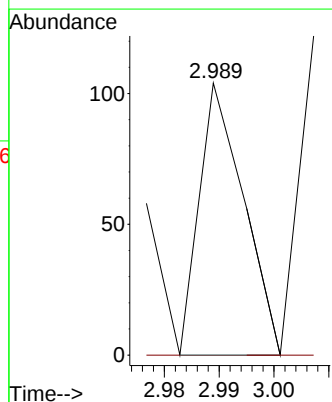
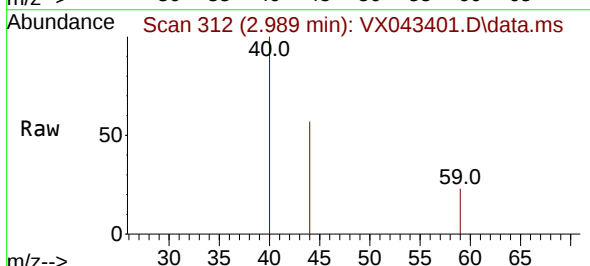
Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 64 Resp: 148
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.8 38.8#



#11
 Tert butyl alcohol
 Concen: 0.237 ug/l
 RT: 2.989 min Scan# 312
 Delta R.T. -0.006 min
 Lab File: VX043401.D
 Acq: 15 Oct 2024 01:32 pm

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

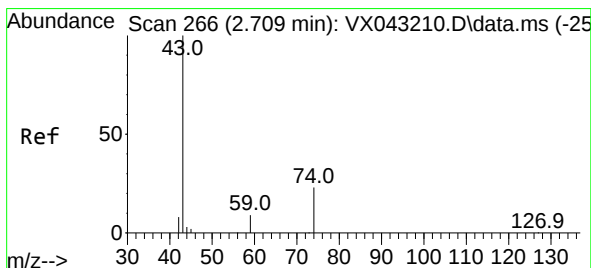
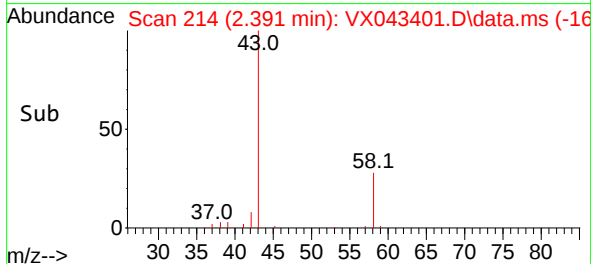
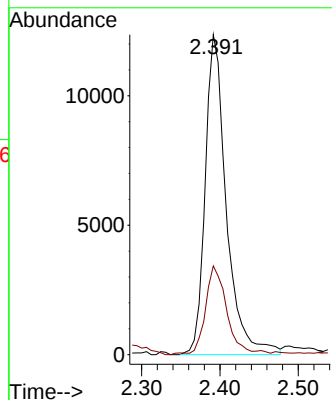
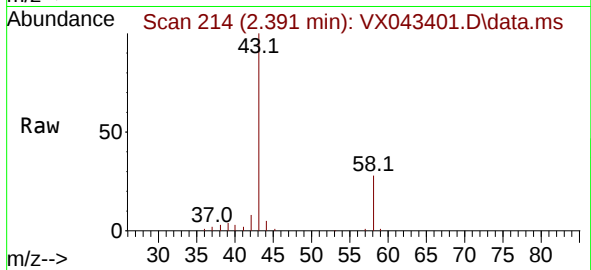




#16
Acetone
Concen: 42.395 ug/l
RT: 2.391 min Scan# 213
Delta R.T. 0.005 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

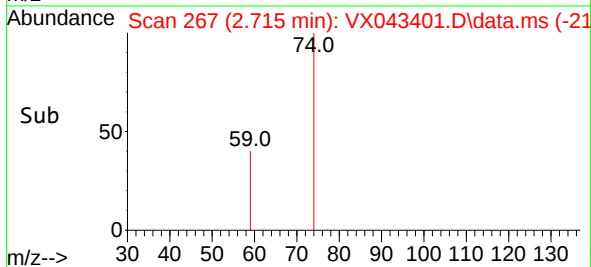
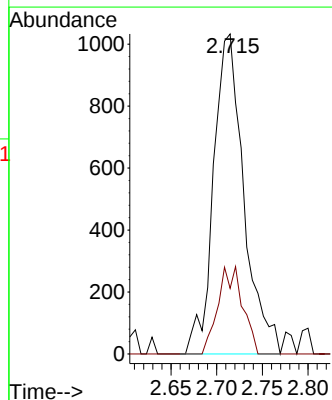
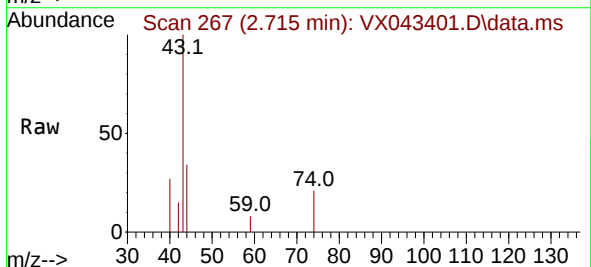
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 23162
Ion Ratio Lower Upper
43 100
58 27.2 22.6 33.8



#18
Methyl Acetate
Concen: 1.738 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm

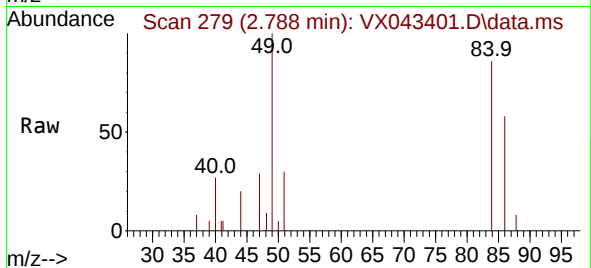
Tgt Ion: 43 Resp: 2382
Ion Ratio Lower Upper
43 100
74 22.2 19.1 28.7



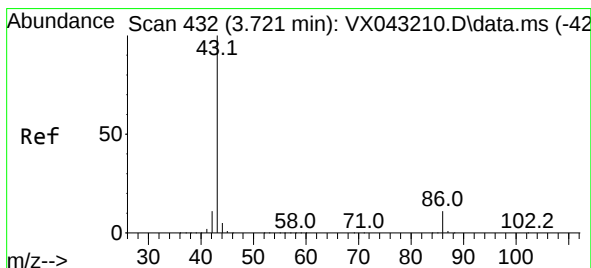
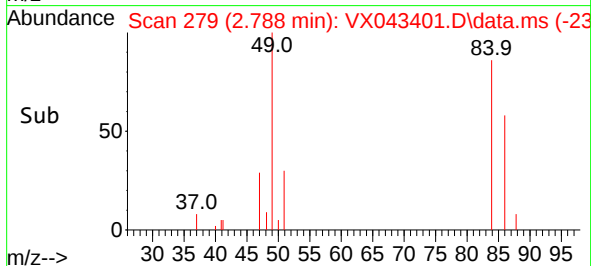
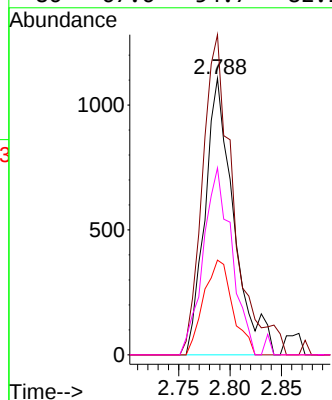


#20
Methylene Chloride
Concen: 2.139 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

Instrument :
MSVOA_X
ClientSampleId :

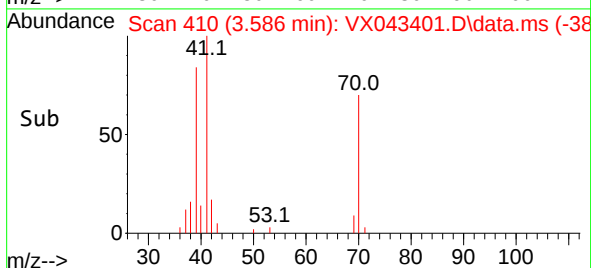
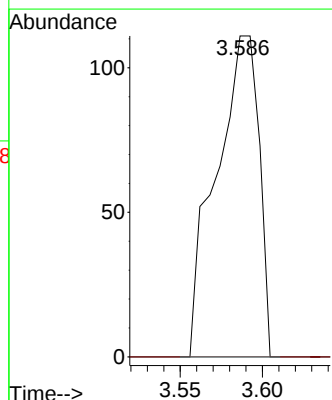
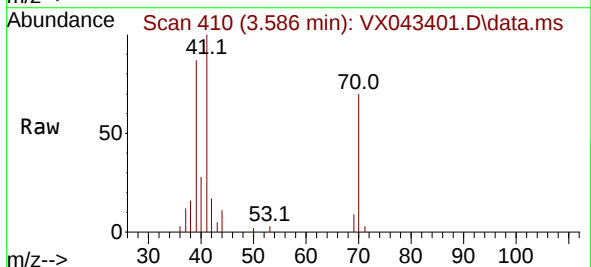


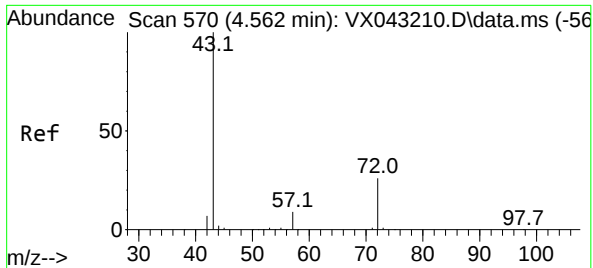
Tgt Ion: 84	Resp: 2155
Ion Ratio	Lower Upper
84 100	
49 115.8	96.7 145.1
51 34.2	30.4 45.6
86 67.6	54.7 82.1



#23
Vinyl Acetate
Concen: 6.400 ug/l
RT: 3.586 min Scan# 410
Delta R.T. -0.135 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm

Tgt Ion: 43	Resp: 202
Ion Ratio	Lower Upper
43 100	
86 0.0	8.8 13.2#

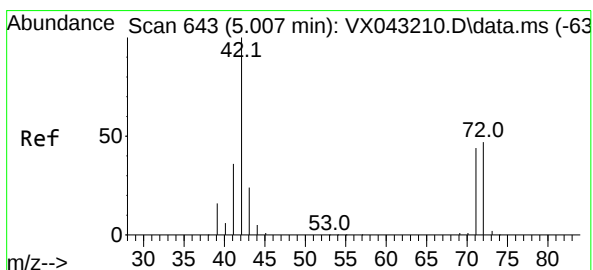
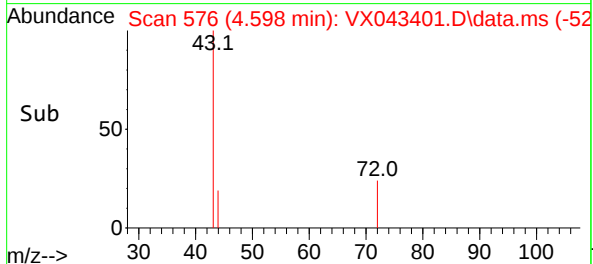
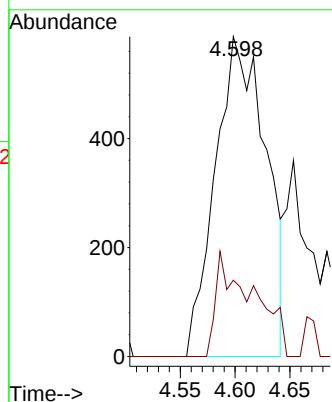
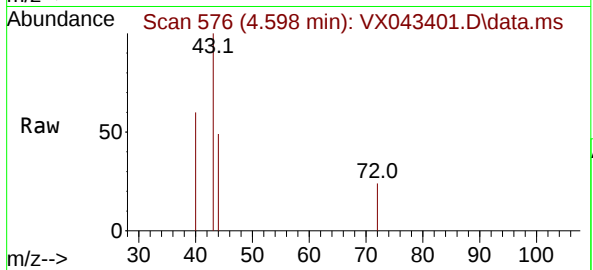




#25
2-Butanone
Concen: 2.512 ug/l
RT: 4.598 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

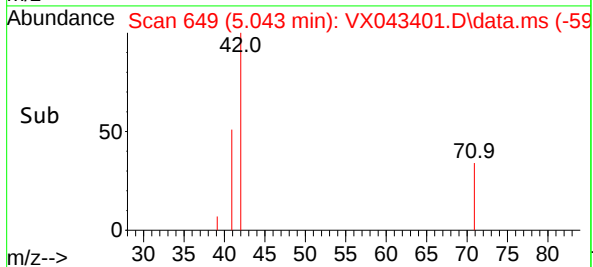
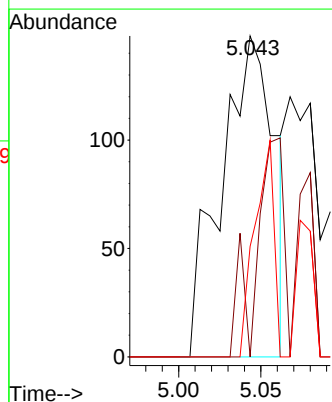
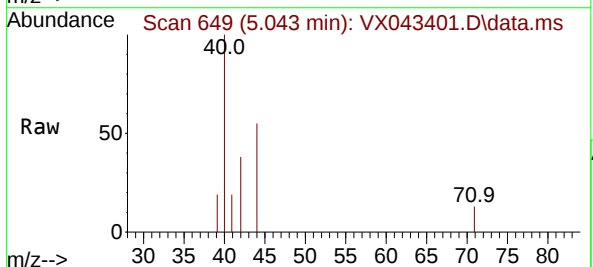
Instrument :
MSVOA_X
ClientSampleId :

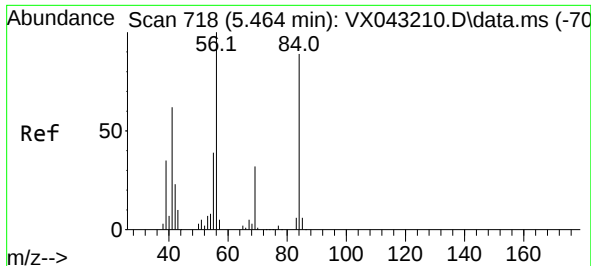
Tgt Ion: 43 Resp: 1882
Ion Ratio Lower Upper
43 100
72 23.9 20.6 31.0



#29
Tetrahydrofuran
Concen: 0.698 ug/l
RT: 5.043 min Scan# 649
Delta R.T. 0.036 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm

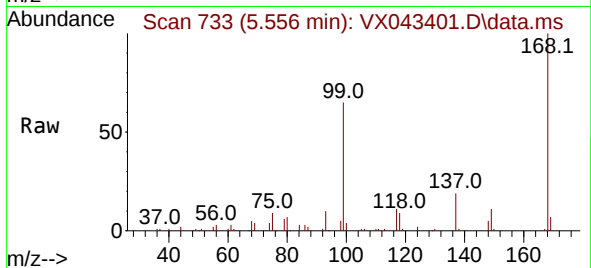
Tgt Ion: 42 Resp: 333
Ion Ratio Lower Upper
42 100
72 35.4 37.7 56.5#
71 24.3 34.6 52.0#



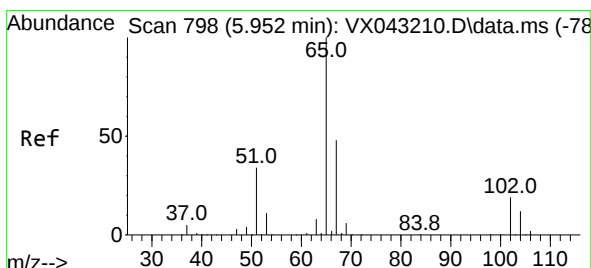
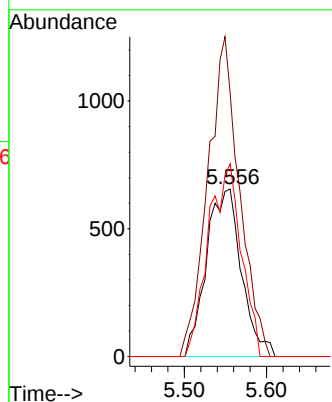
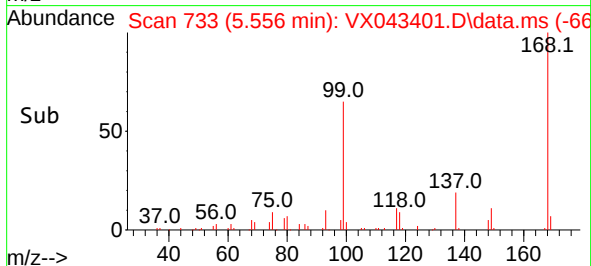


#31
Cyclohexane
Concen: 1.373 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

Instrument :
MSVOA_X
ClientSampleId :

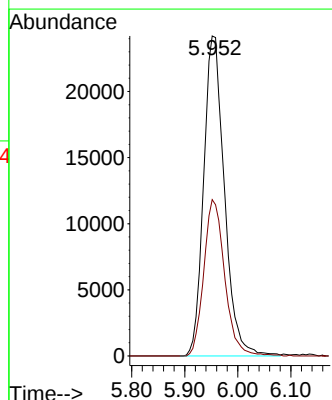
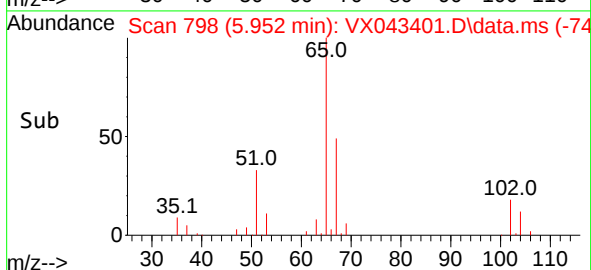
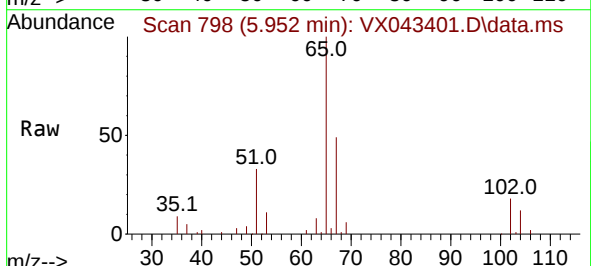


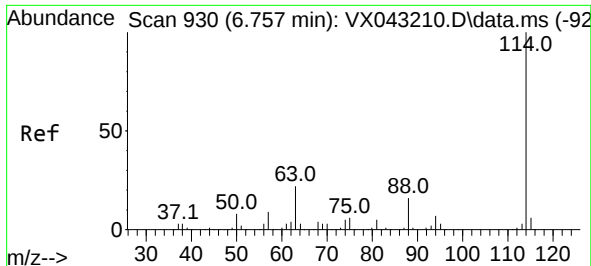
Tgt Ion: 56 Resp: 1938
Ion Ratio Lower Upper
56 100
69 157.3 25.8 38.6#
84 114.9 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 50.352 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm

Tgt Ion: 65 Resp: 65873
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.0

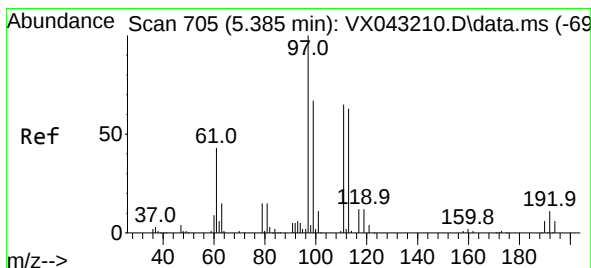
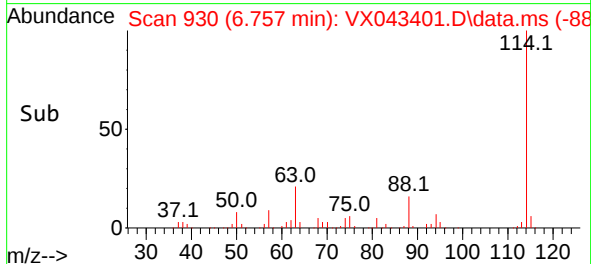
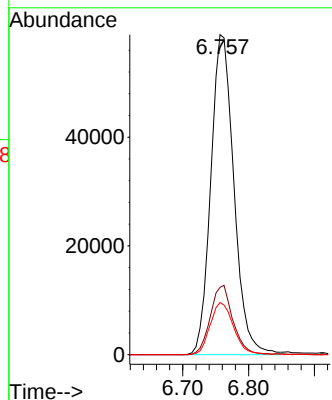
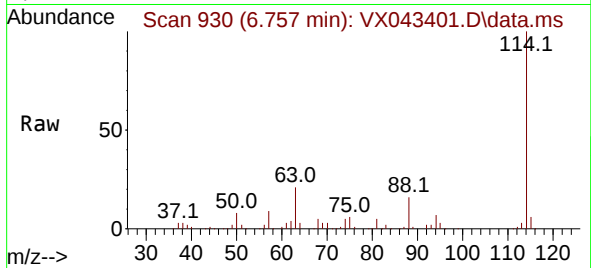




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

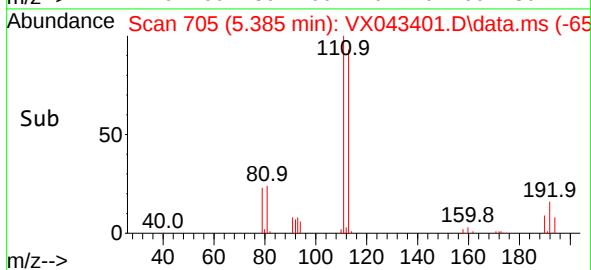
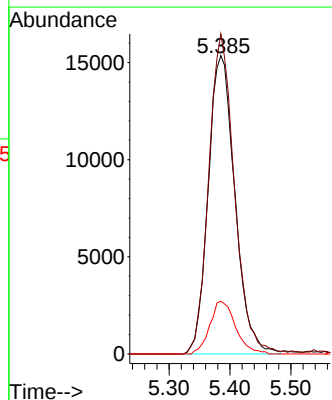
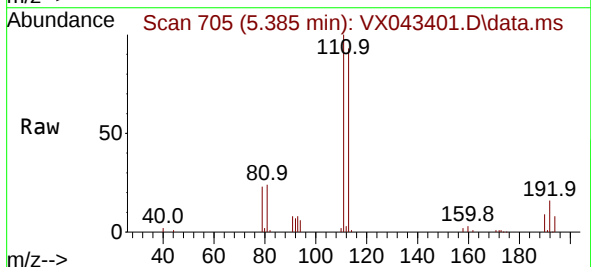
Instrument :
MSVOA_X
ClientSampleId :

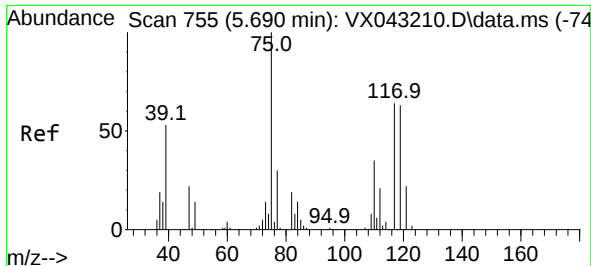
Tgt Ion:114 Resp: 144042
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.0
88 16.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.084 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm

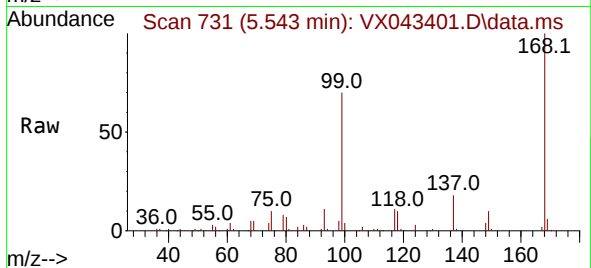
Tgt Ion:113 Resp: 46772
Ion Ratio Lower Upper
113 100
111 103.4 83.4 125.0
192 17.0 14.1 21.1



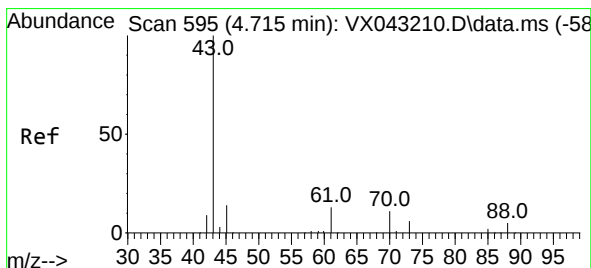
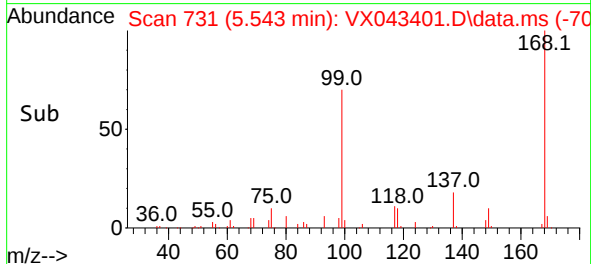
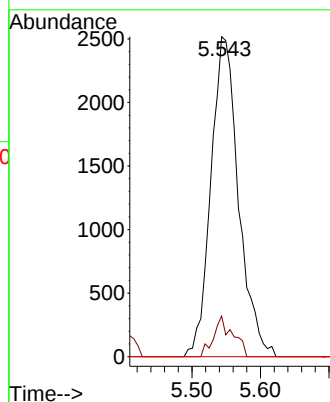


#36
1,1-Dichloropropene
Concen: 5.626 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

Instrument :
MSVOA_X
ClientSampleId :

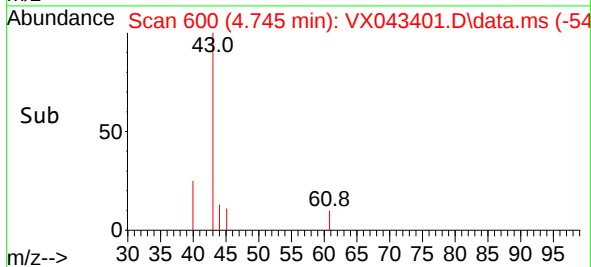
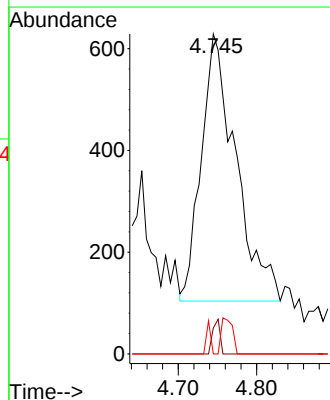
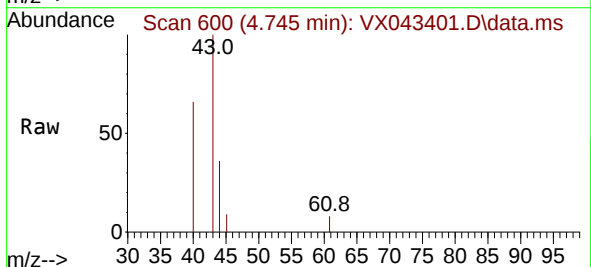


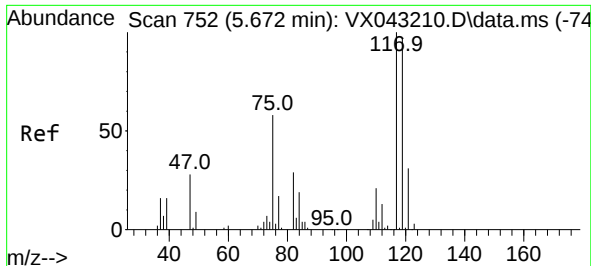
Tgt Ion: 75 Resp: 7060
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.066 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.030 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm

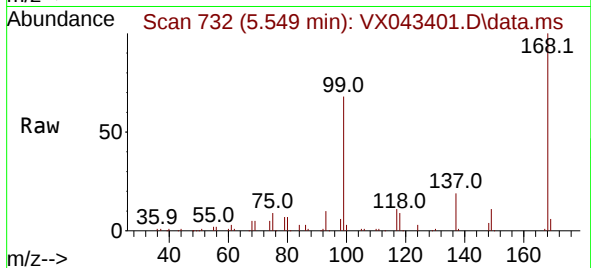
Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 1.5 8.9 13.3#



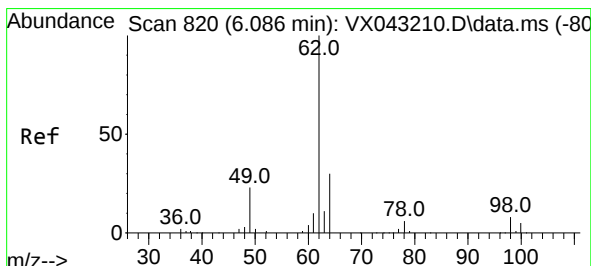
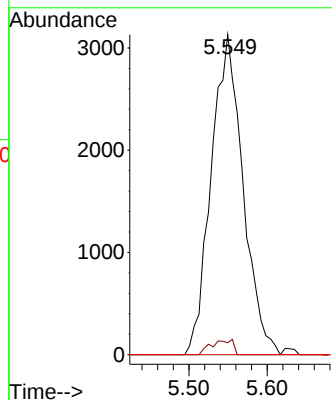
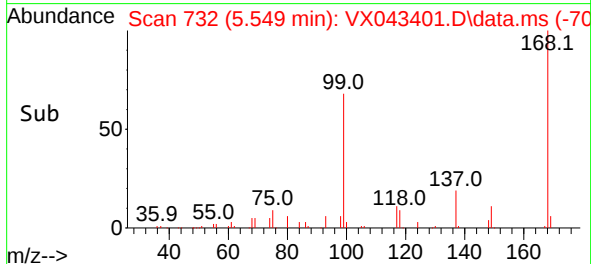


#38
Carbon Tetrachloride
Concen: 5.942 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

Instrument :
MSVOA_X
ClientSampleId :

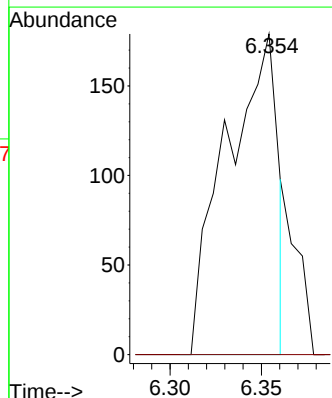
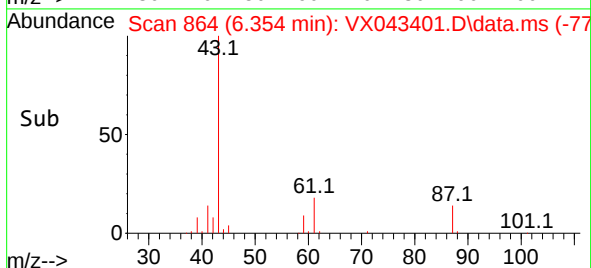
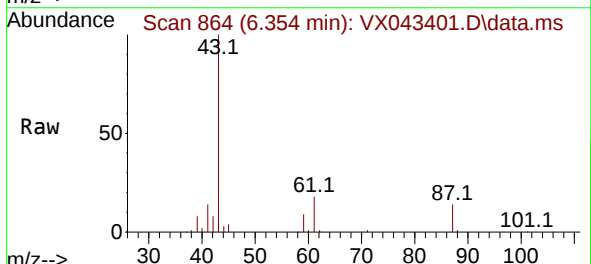


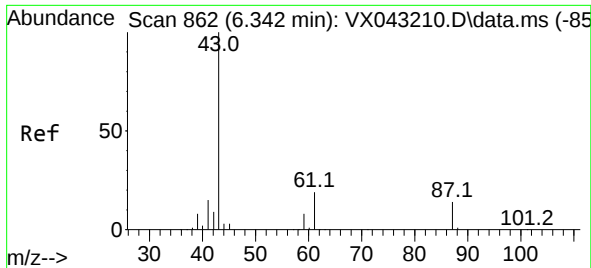
Tgt Ion:117 Resp: 8828
Ion Ratio Lower Upper
117 100
119 3.8 77.7 116.5#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.227 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.268 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm

Tgt Ion: 62 Resp: 352
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

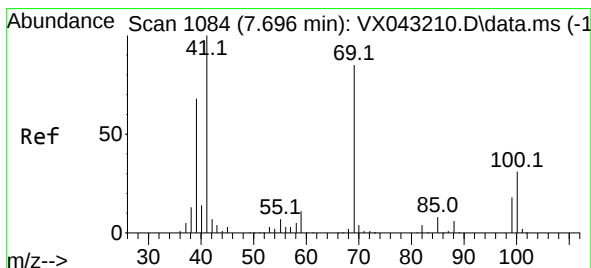
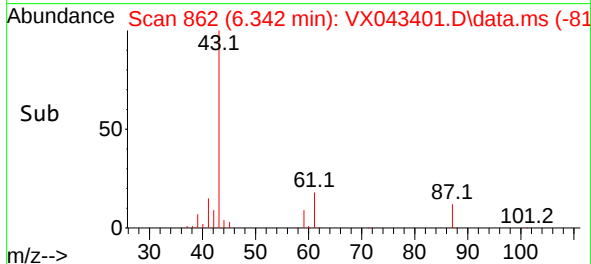
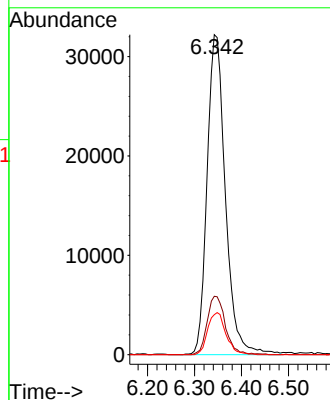
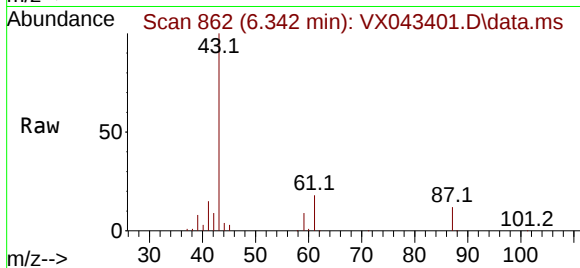




#43
Isopropyl Acetate
Concen: 34.988 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

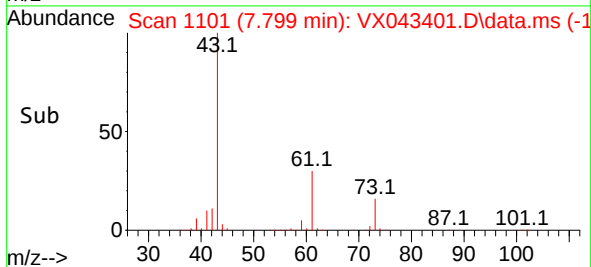
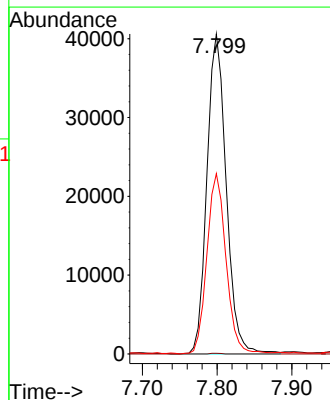
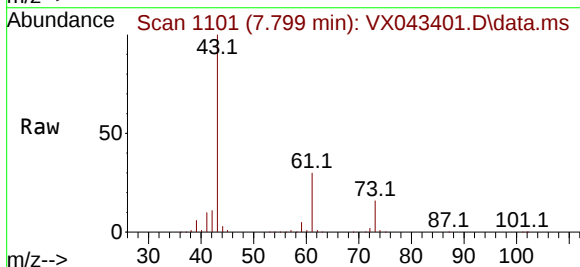
Instrument :
MSVOA_X
ClientSampleId :

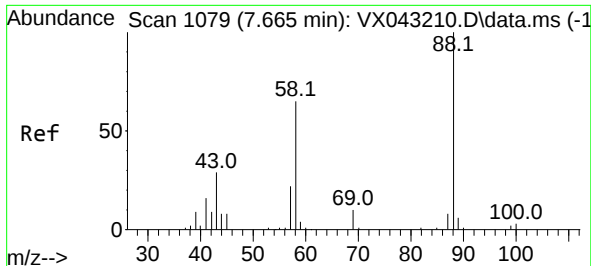
Tgt Ion: 43 Resp: 87093
Ion Ratio Lower Upper
43 100
61 18.2 15.1 22.7
87 13.0 10.8 16.2



#48
Methyl methacrylate
Concen: 59.635 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm

Tgt Ion: 41 Resp: 72835
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 56.0 52.8 79.2





#49

1,4-Dioxane

Concen: 1.601 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX043401.D

Acq: 15 Oct 2024 01:32

Instrument :

MSVOA_X

ClientSampleId :

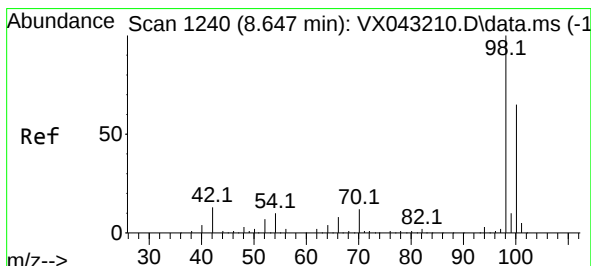
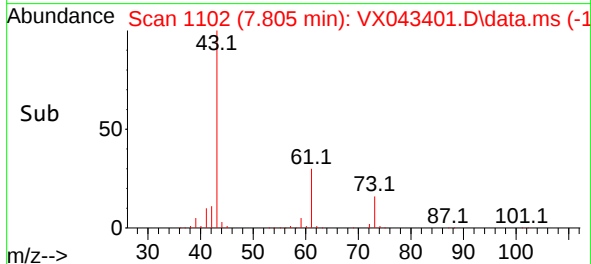
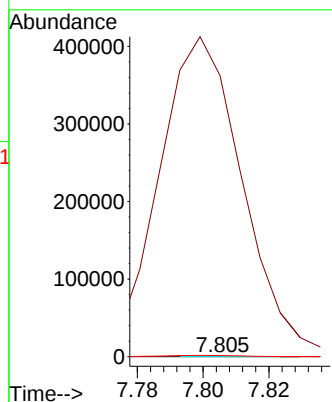
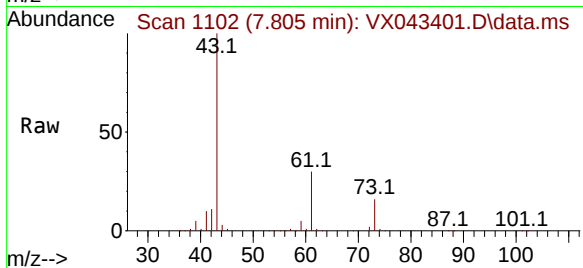
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 1956115.8 29.5 44.3#

58 7786.8 55.2 82.8#



#50

Toluene-d8

Concen: 49.480 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043401.D

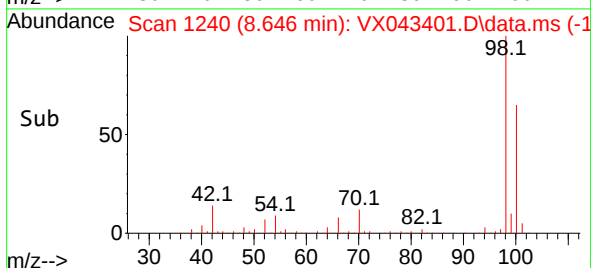
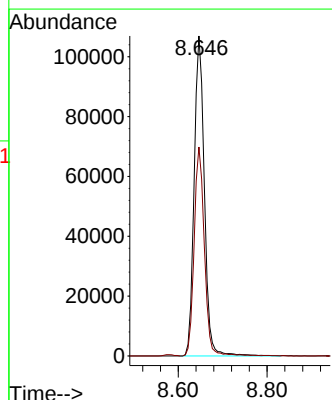
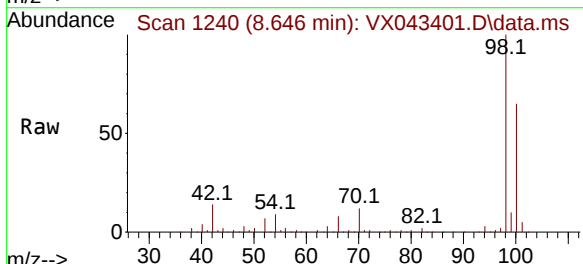
Acq: 15 Oct 2024 01:32 pm

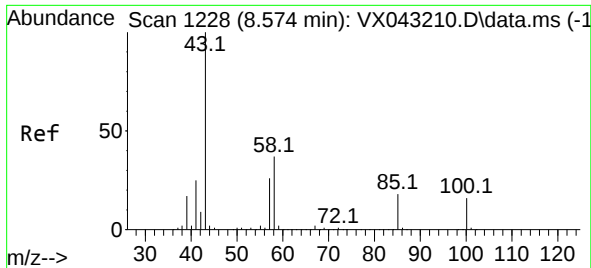
Tgt Ion: 98 Resp: 170333

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6

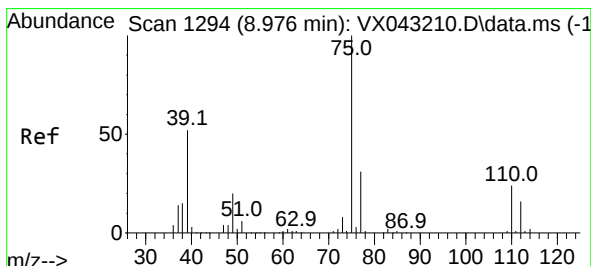
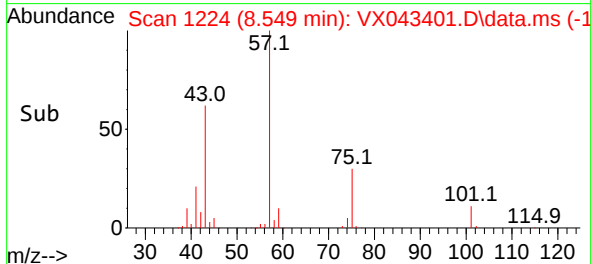
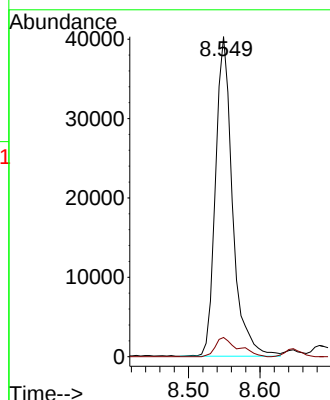
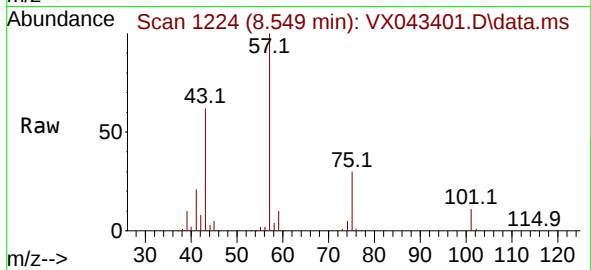




#51
4-Methyl-2-Pentanone
Concen: 44.050 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

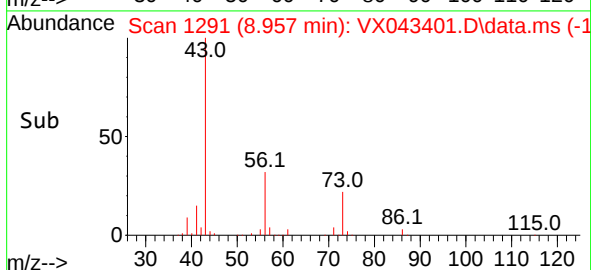
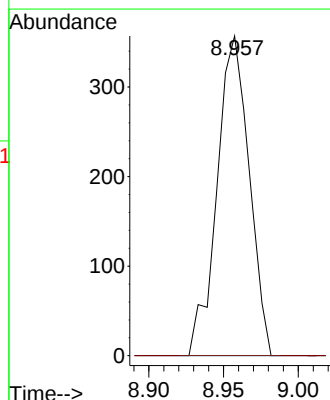
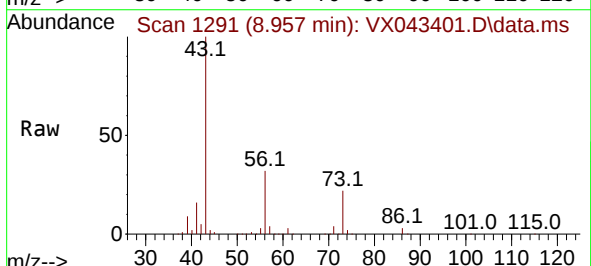
Instrument :
MSVOA_X
ClientSampleId :

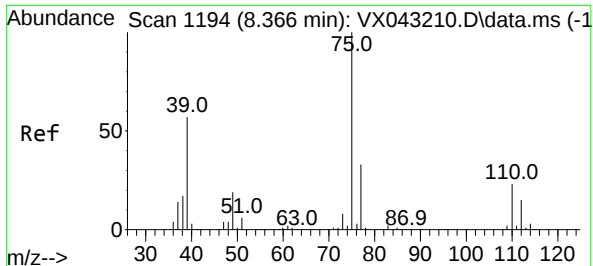
Tgt Ion: 43 Resp: 66595
Ion Ratio Lower Upper
43 100
58 7.9 30.0 45.0#



#53
t-1,3-Dichloropropene
Concen: 0.365 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.019 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm

Tgt Ion: 75 Resp: 534
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

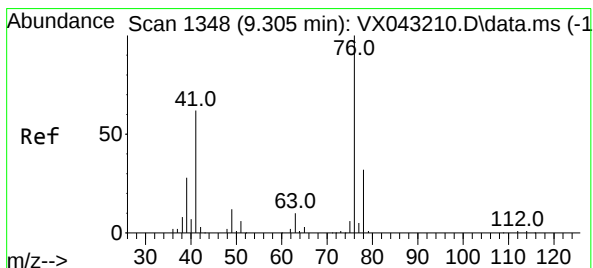
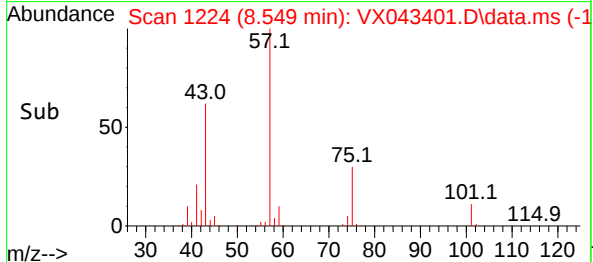
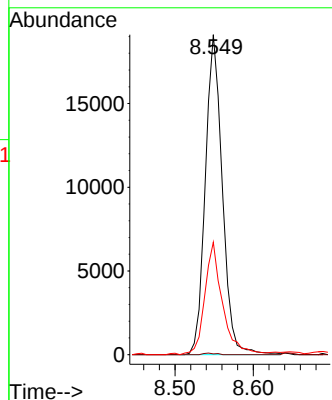
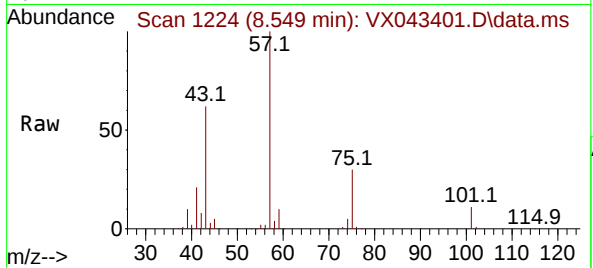




#54
cis-1,3-Dichloropropene
Concen: 18.367 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

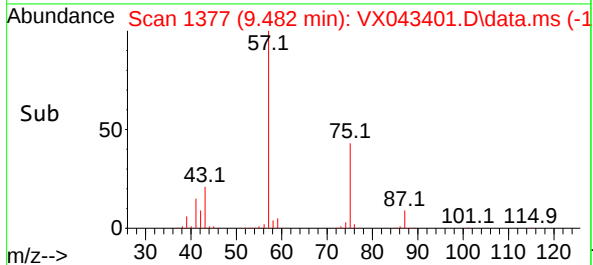
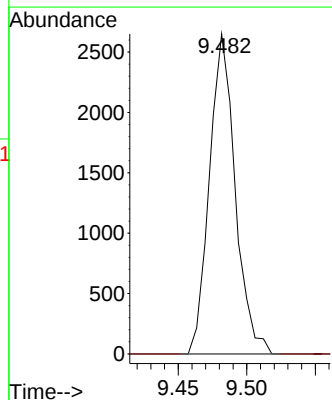
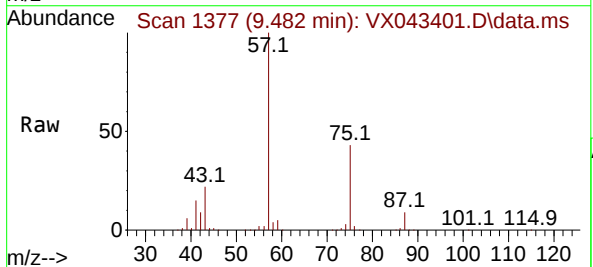
Instrument :
MSVOA_X
ClientSampleId :

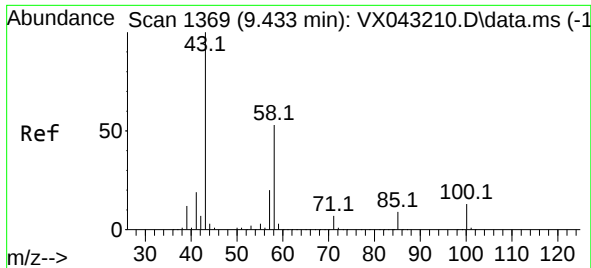
Tgt Ion: 75 Resp: 28795
Ion Ratio Lower Upper
75 100
77 0.3 26.0 39.0#
39 35.2 45.8 68.8#



#57
1,3-Dichloropropane
Concen: 2.147 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.176 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm

Tgt Ion: 76 Resp: 3466
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

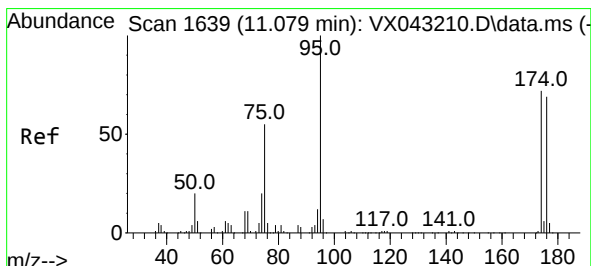
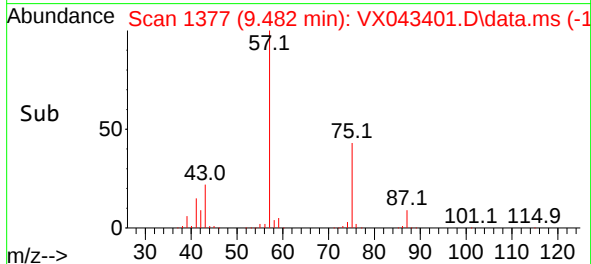
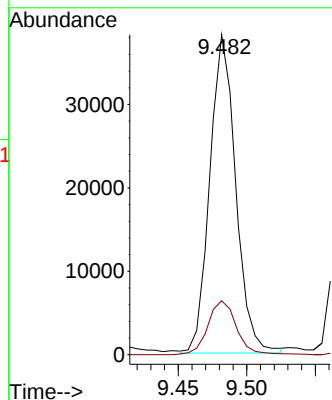
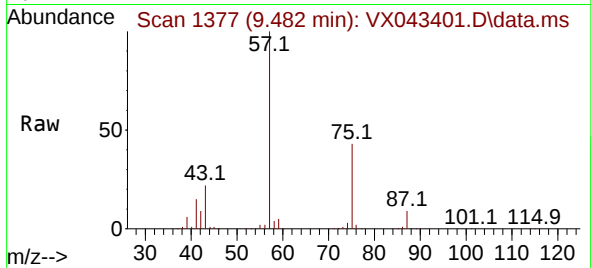




#59
2-Hexanone
Concen: 44.013 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.048 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

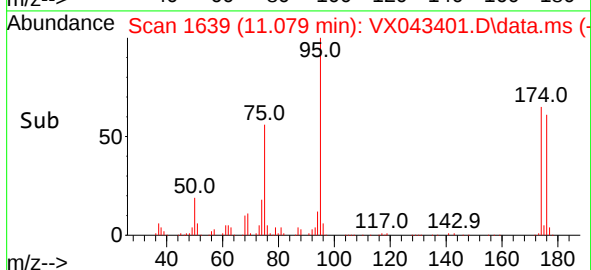
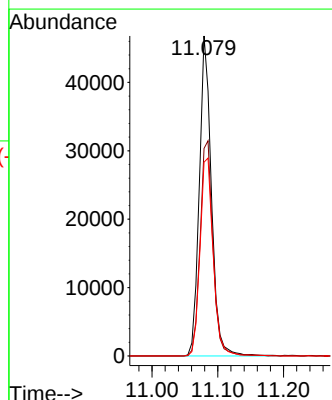
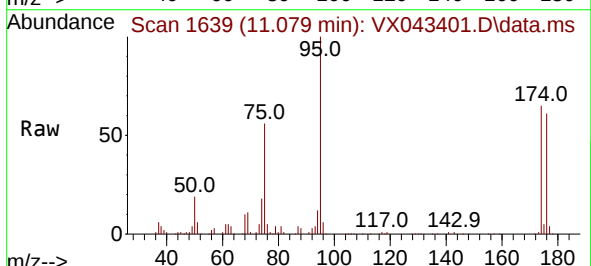
Instrument :
MSVOA_X
ClientSampleId :

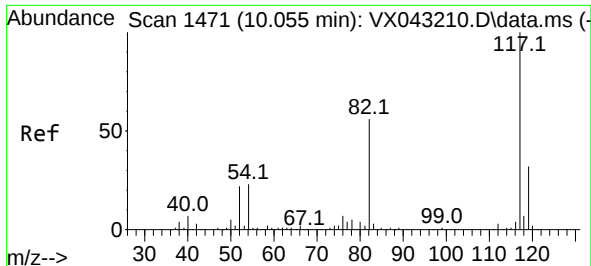
Tgt Ion: 43 Resp: 50318
Ion Ratio Lower Upper
43 100
58 18.7 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 47.801 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm

Tgt Ion: 95 Resp: 59781
Ion Ratio Lower Upper
95 100
174 71.4 0.0 145.0
176 67.1 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: VX043401.D

Acq: 15 Oct 2024 01:32

Instrument :

MSVOA_X

ClientSampleId :

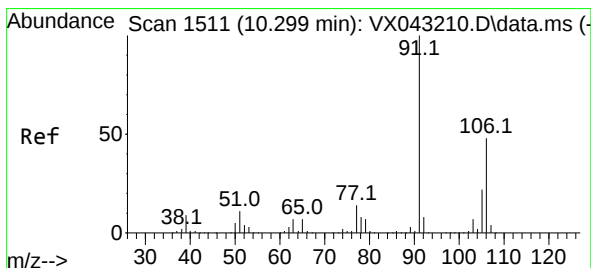
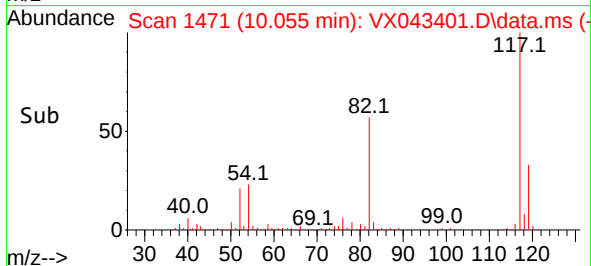
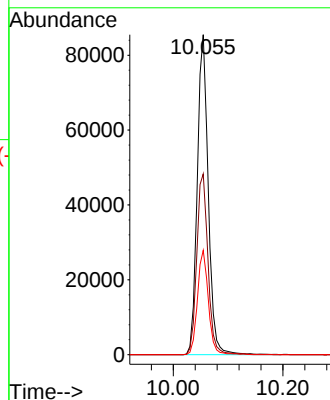
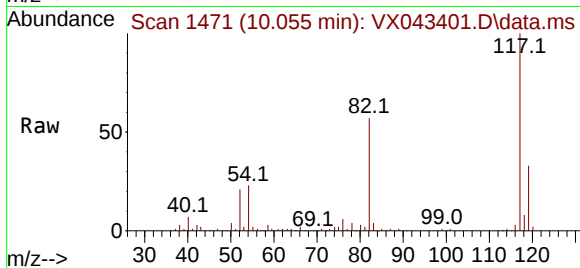
Tgt Ion:117 Resp: 119583

Ion Ratio Lower Upper

117 100

82 56.5 45.0 67.6

119 32.6 25.3 37.9



#68

m/p-Xylenes

Concen: 0.201 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX043401.D

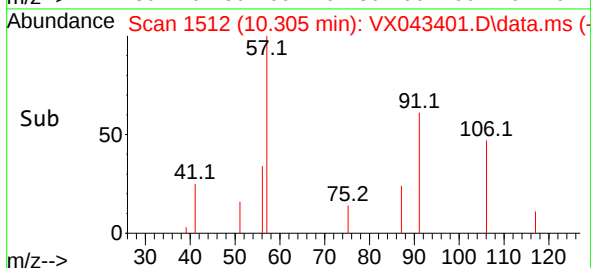
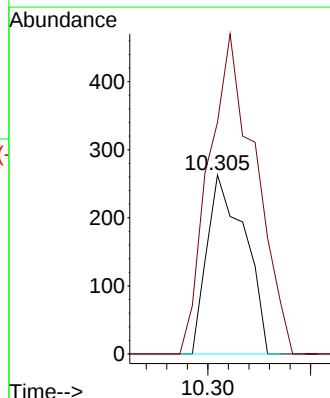
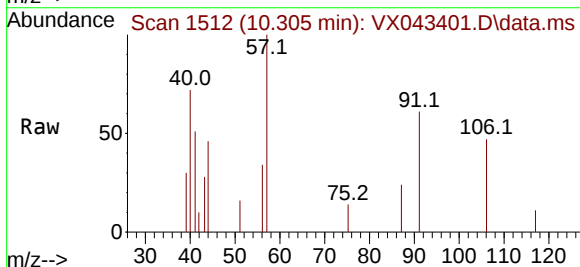
Acq: 15 Oct 2024 01:32 pm

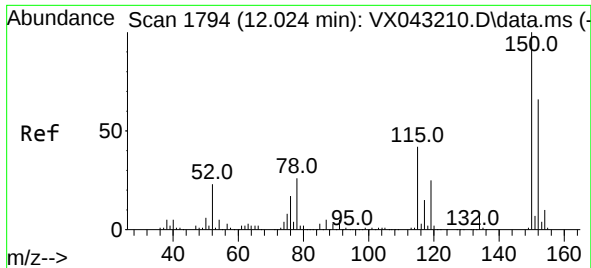
Tgt Ion:106 Resp: 338

Ion Ratio Lower Upper

106 100

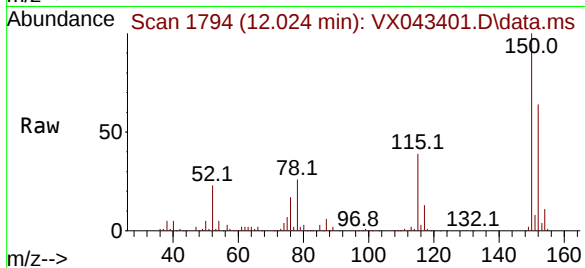
91 219.2 167.0 250.6



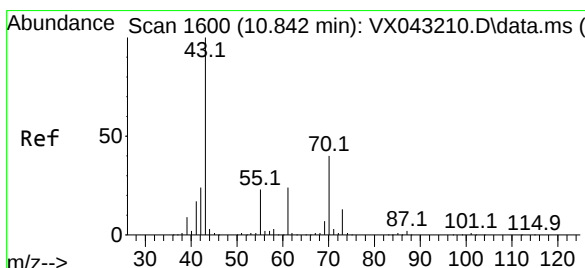
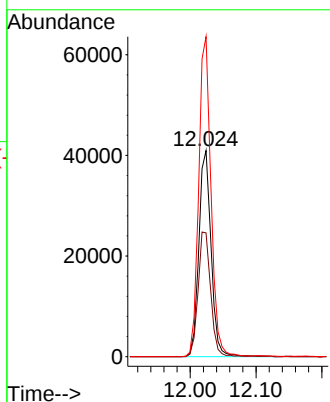
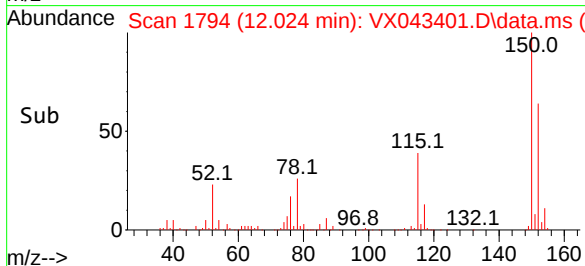


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

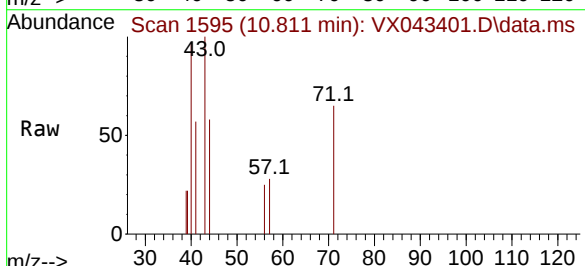
Instrument :
MSVOA_X
ClientSampleId :



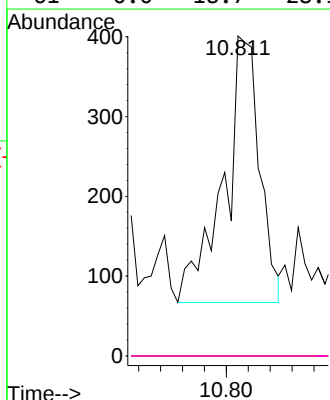
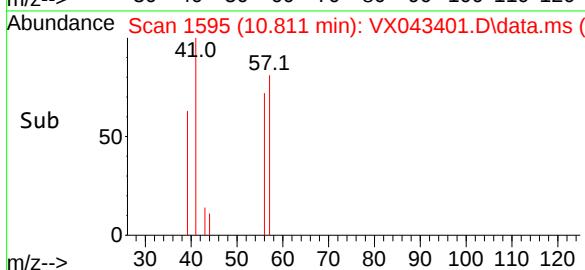
Tgt Ion:152 Resp: 53046
Ion Ratio Lower Upper
152 100
115 61.9 44.1 132.3
150 155.2 0.0 347.4

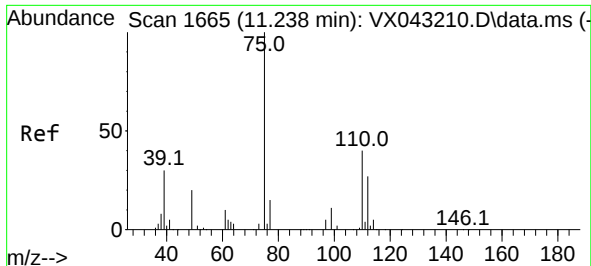


#74
N-ethyl acetate
Concen: 0.386 ug/l
RT: 10.811 min Scan# 1595
Delta R.T. -0.031 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm



Tgt Ion: 43 Resp: 755
Ion Ratio Lower Upper
43 100
70 0.0 33.1 49.7#
55 0.0 18.6 27.8#
61 0.0 18.7 28.1#

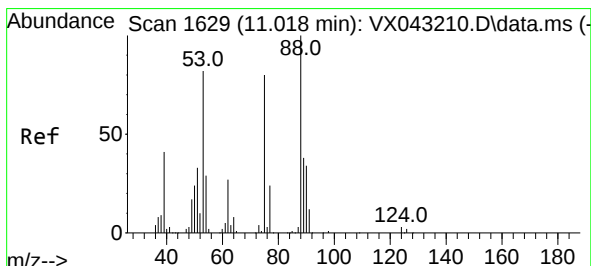
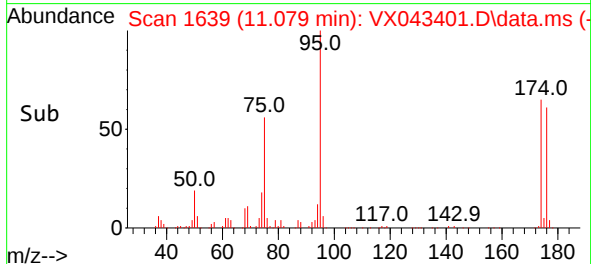
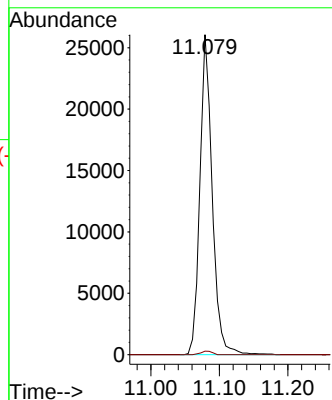
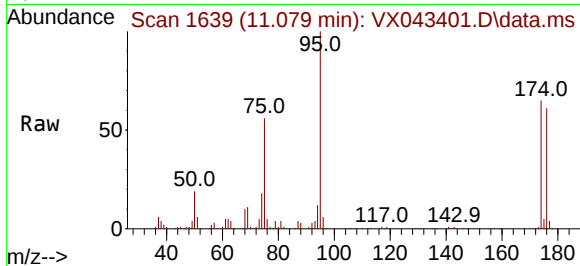




#76
1,2,3-Trichloropropane
Concen: 27.775 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 32681
Ion Ratio Lower Upper
75 100
77 1.0 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.984 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043401.D
Acq: 15 Oct 2024 01:32 pm

Tgt Ion: 75 Resp: 32681
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.1 38.6 58.0#

