

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102124\
 Data File : VX043452.D
 Acq On : 21 Oct 2024 14:16
 Operator : JC/MD
 Sample : P4425-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 21 17:41:42 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)

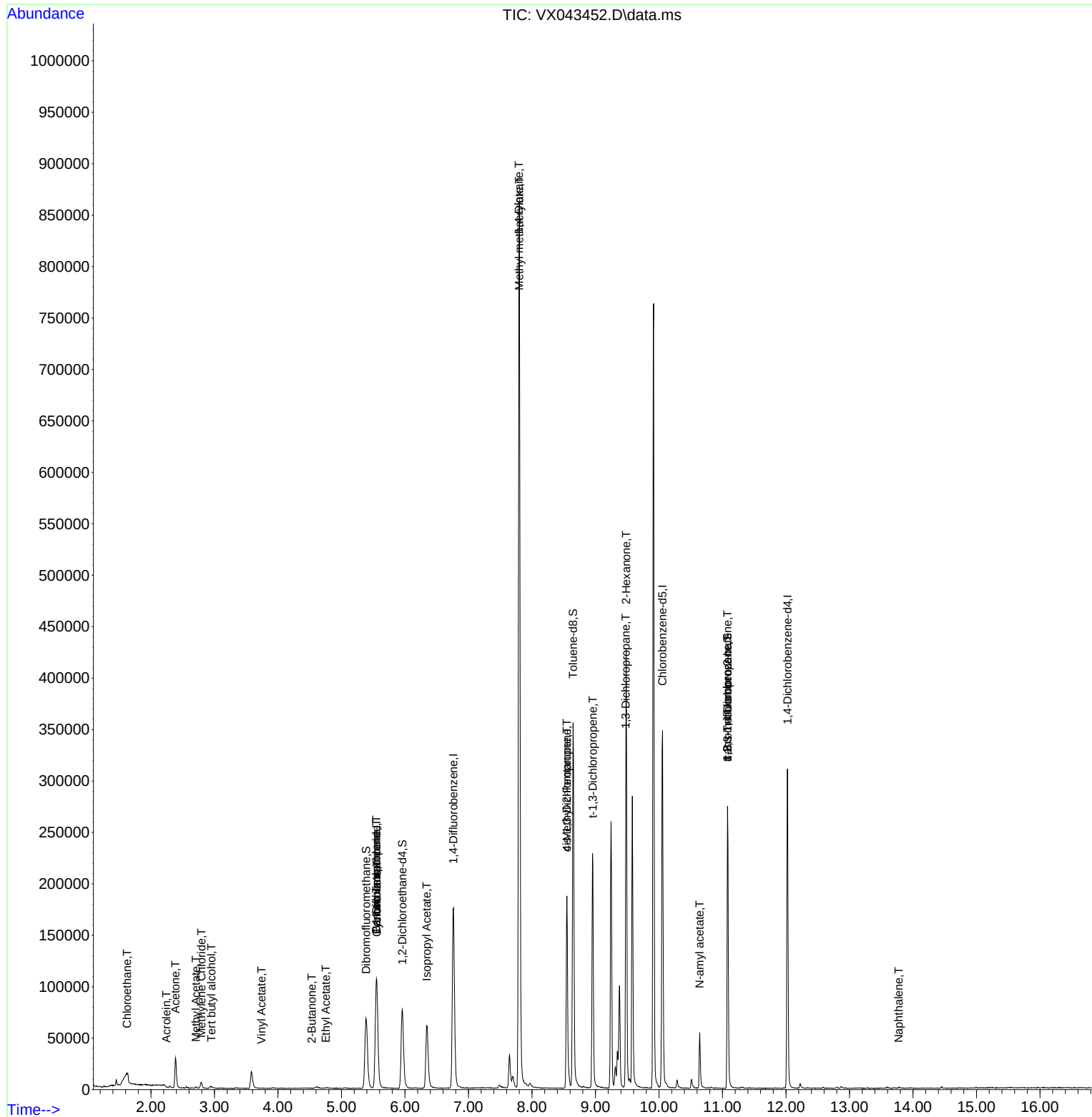
Internal Standards						
1) Pentafluorobenzene	5.550	168	98579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	180350	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81525	50.638	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.280%			
35) Dibromofluoromethane	5.385	113	60782	48.869	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.740%			
50) Toluene-d8	8.647	98	212093	49.207	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.420%			
62) 4-Bromofluorobenzene	11.079	95	75931	48.491	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.980%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.624	64	195	0.443	ug/l #	42
11) Tert butyl alcohol	2.953	59	1078	3.519	ug/l #	71
13) Acrolein	2.240	56	153	0.529	ug/l #	35
16) Acetone	2.386	43	33058	49.170	ug/l	97
18) Methyl Acetate	2.709	43	1748	1.036	ug/l	99
20) Methylene Chloride	2.794	84	2712	2.188	ug/l	87
23) Vinyl Acetate	3.739	43	21	6.344	ug/l #	71
25) 2-Butanone	4.532	43	322	0.349	ug/l #	49
31) Cyclohexane	5.556	56	2470	1.422	ug/l #	12
36) 1,1-Dichloropropene	5.550	75	9059	5.765	ug/l #	50
37) Ethyl Acetate	4.751	43	1115	0.591	ug/l #	72
38) Carbon Tetrachloride	5.550	117	10942	5.882	ug/l #	15
43) Isopropyl Acetate	6.342	43	90716	29.107	ug/l	99
48) Methyl methacrylate	7.800	41	76990	50.346	ug/l #	45
49) 1,4-Dioxane	7.793	88	100	3.364	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	70117	37.042	ug/l #	47
53) t-1,3-Dichloropropene	8.958	75	677	0.370	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	29554	15.056	ug/l #	57
57) 1,3-Dichloropropane	9.476	76	3197	1.582	ug/l #	43
59) 2-Hexanone	9.482	43	51241	35.797	ug/l #	54
74) N-amyl acetate	10.640	43	13756	5.655	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	41086	28.105	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	41086	72.839	ug/l #	8
95) Naphthalene	13.774	128	1295	0.272	ug/l #	89

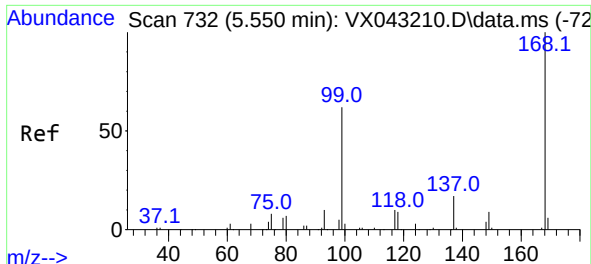
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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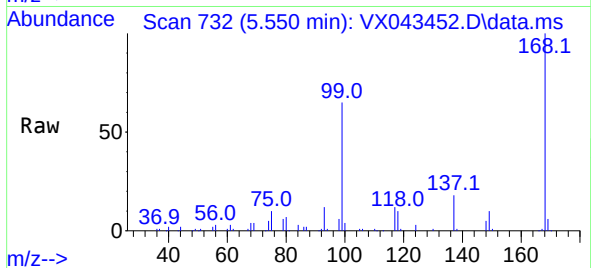
Quant Time: Oct 21 17:41:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration



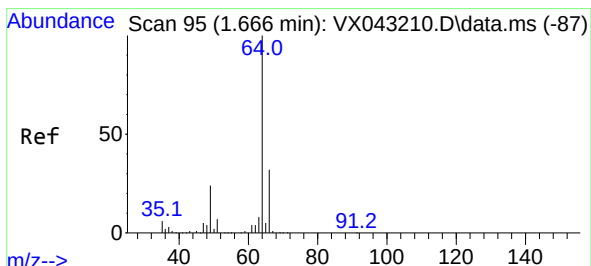
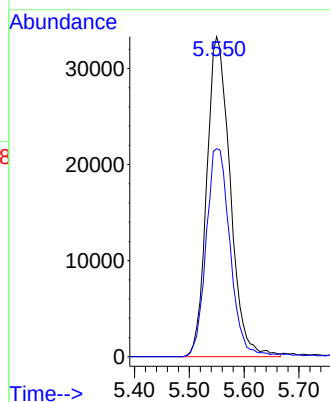


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Instrument :
MSVOA_X
ClientSampleId :

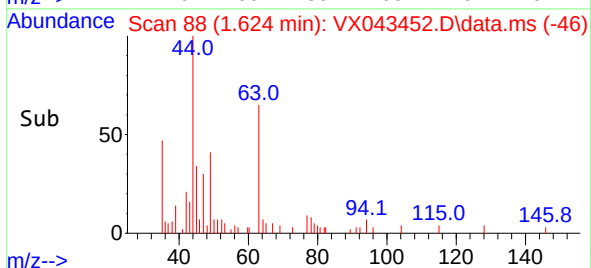
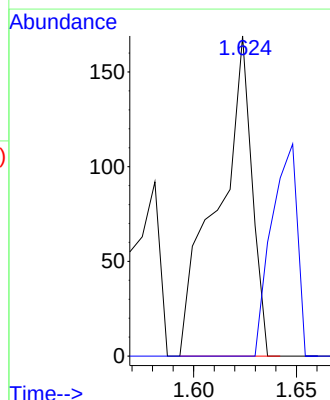
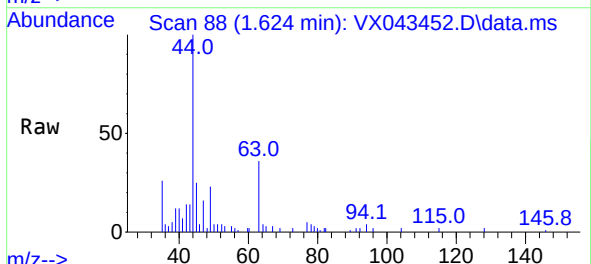


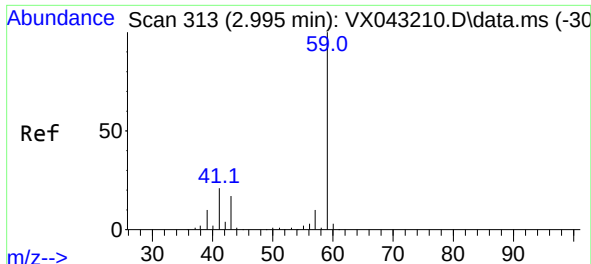
Tgt Ion:168 Resp: 98579
Ion Ratio Lower Upper
168 100
99 65.0 49.7 74.5



#6
Chloroethane
Concen: 0.443 ug/l
RT: 1.624 min Scan# 88
Delta R.T. -0.043 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Tgt Ion: 64 Resp: 195
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

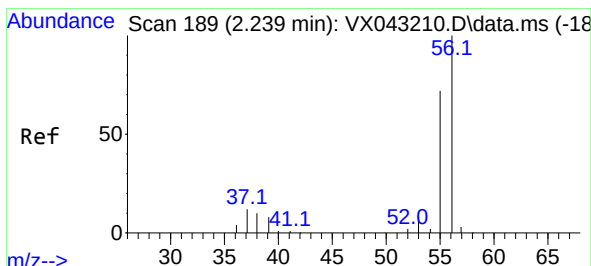
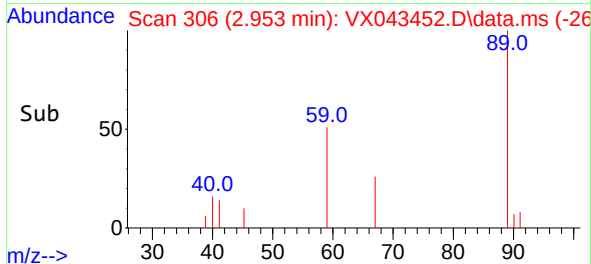
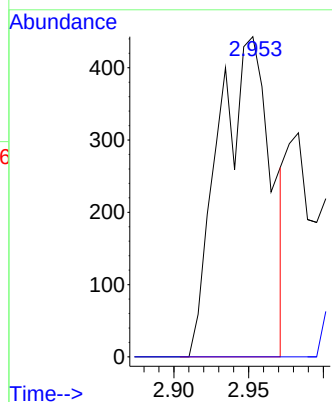
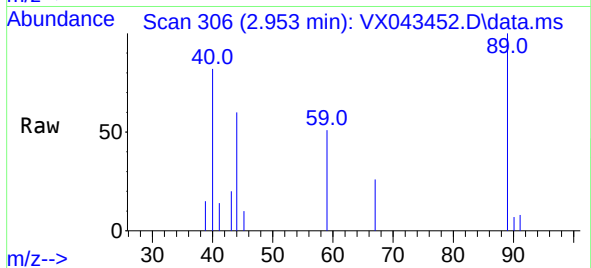




#11
Tert butyl alcohol
Concen: 3.519 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

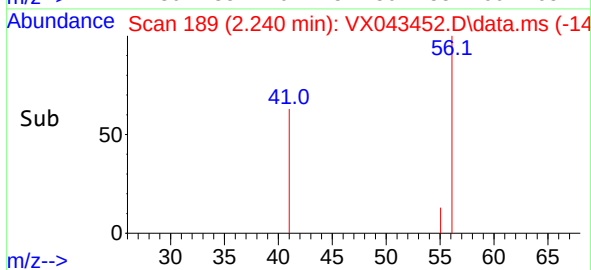
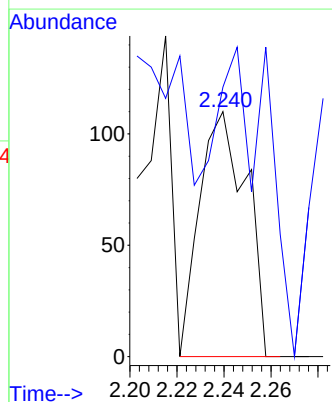
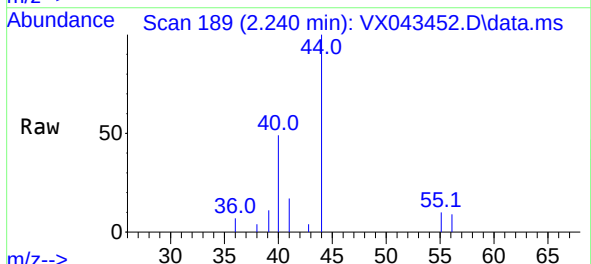
Instrument :
MSVOA_X
ClientSampleId :

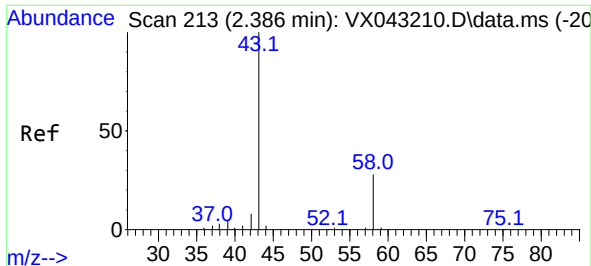
Tgt Ion: 59 Resp: 1078
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 0.529 ug/l
RT: 2.240 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 126.1 57.4 86.0#

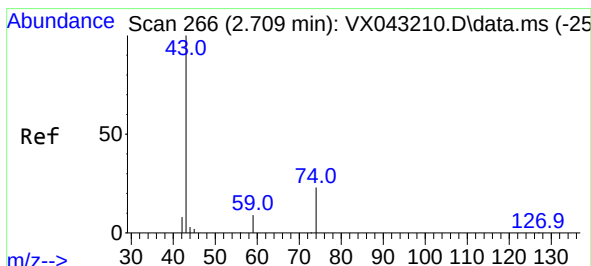
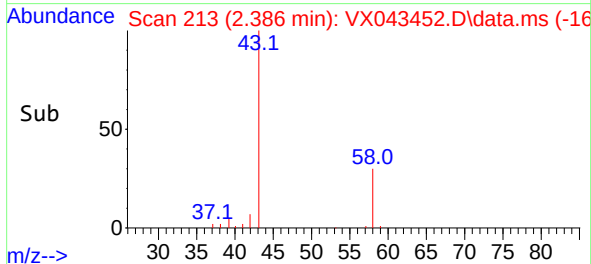
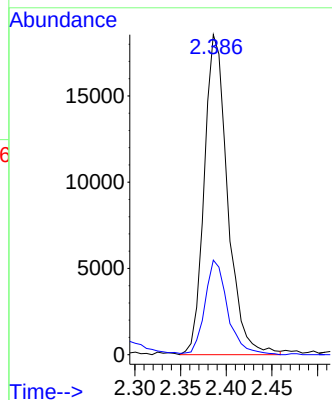
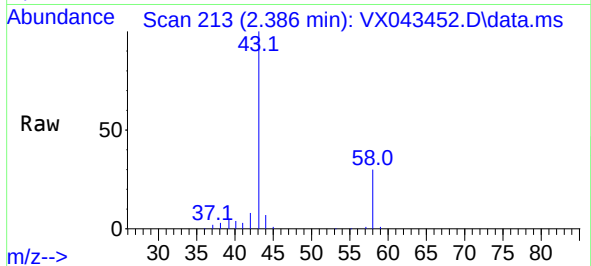




#16
Acetone
Concen: 49.170 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

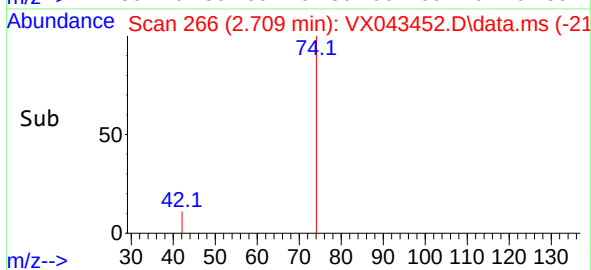
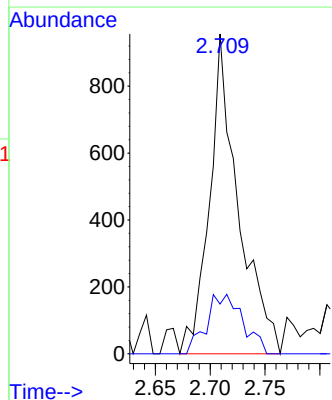
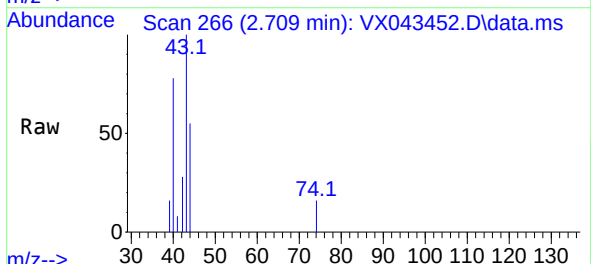
Instrument :
MSVOA_X
ClientSampleId :

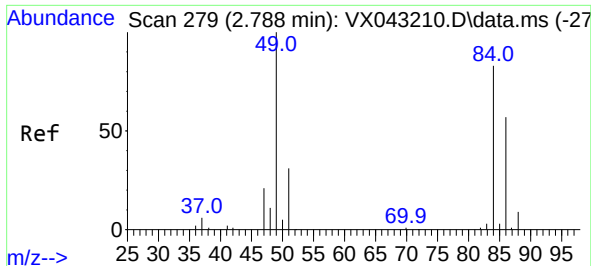
Tgt Ion: 43 Resp: 33058
Ion Ratio Lower Upper
43 100
58 29.5 22.6 33.8



#18
Methyl Acetate
Concen: 1.036 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Tgt Ion: 43 Resp: 1748
Ion Ratio Lower Upper
43 100
74 23.5 19.1 28.7





#20

Methylene Chloride

Concen: 2.188 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX043452.D

Acq: 21 Oct 2024 14:16

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 84 Resp: 2712

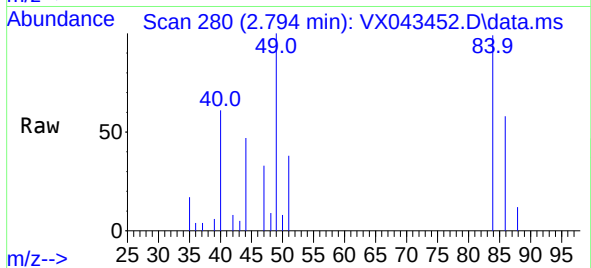
Ion Ratio Lower Upper

84 100

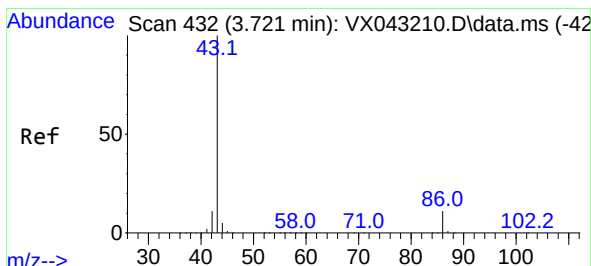
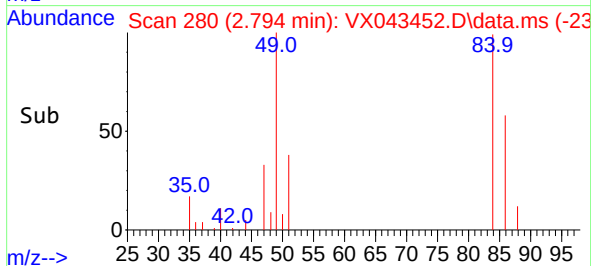
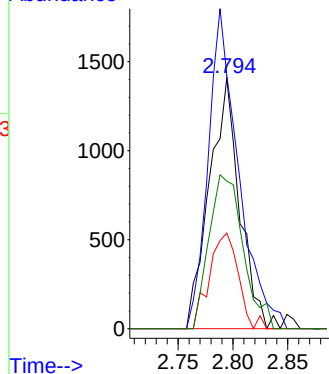
49 101.4 96.7 145.1

51 38.2 30.4 45.6

86 58.9 54.7 82.1



Abundance



#23

Vinyl Acetate

Concen: 6.344 ug/l

RT: 3.739 min Scan# 435

Delta R.T. 0.018 min

Lab File: VX043452.D

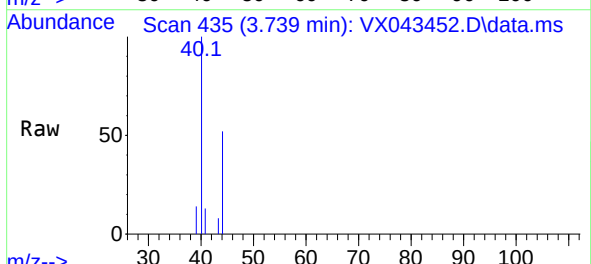
Acq: 21 Oct 2024 14:16

Tgt Ion: 43 Resp: 21

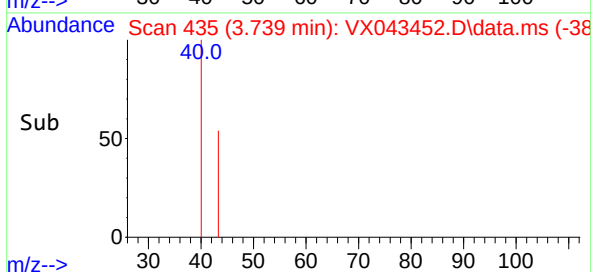
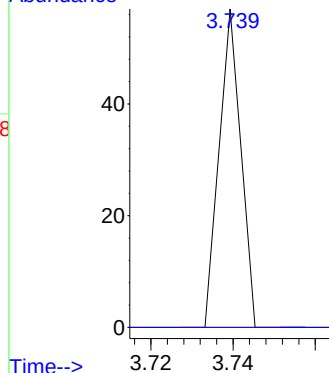
Ion Ratio Lower Upper

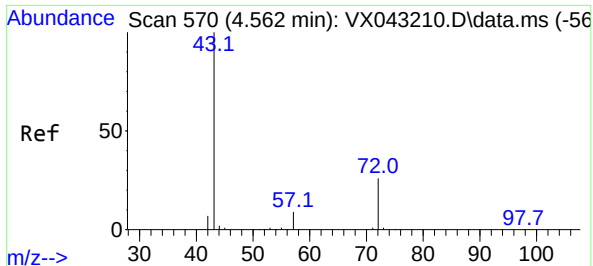
43 100

86 0.0 8.8 13.2#



Abundance





#25

2-Butanone

Concen: 0.349 ug/l

RT: 4.532 min Scan# 50

Delta R.T. -0.030 min

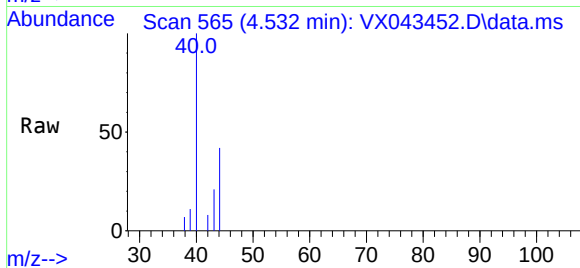
Lab File: VX043452.D

Acq: 21 Oct 2024 14:16

Instrument :

MSVOA_X

ClientSampleId :

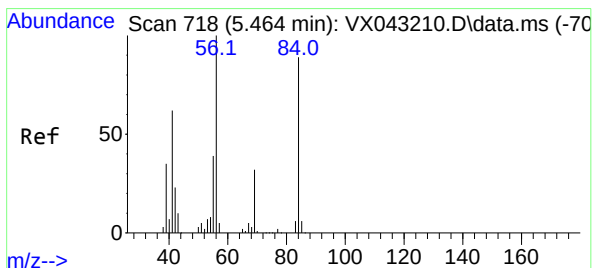
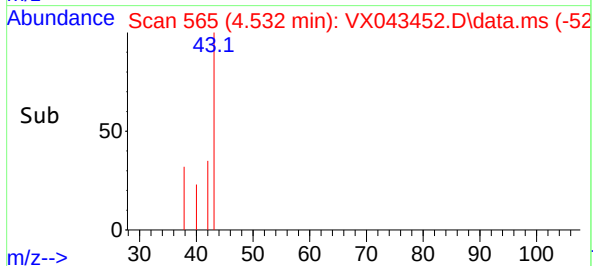


Tgt Ion: 43 Resp: 322

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



#31

Cyclohexane

Concen: 1.422 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX043452.D

Acq: 21 Oct 2024 14:16

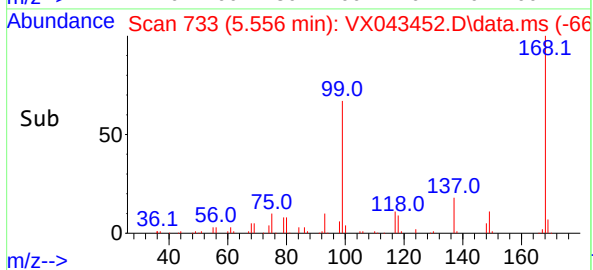
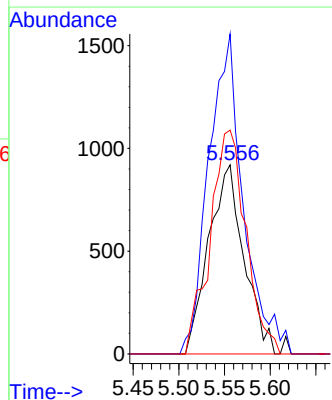
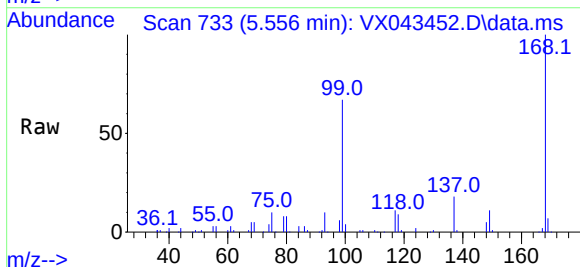
Tgt Ion: 56 Resp: 2470

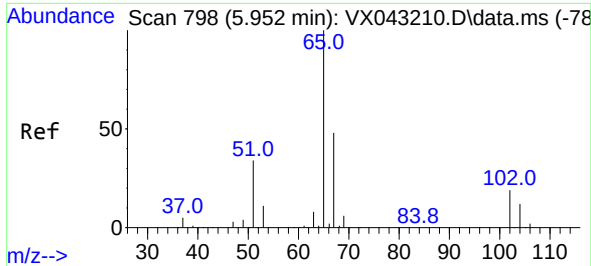
Ion Ratio Lower Upper

56 100

69 169.2 25.8 38.6#

84 118.4 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 50.638 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043452.D

Acq: 21 Oct 2024 14:16

Instrument :

MSVOA_X

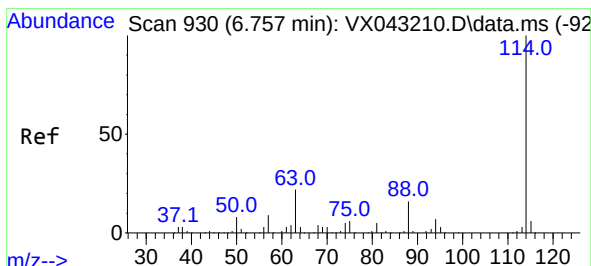
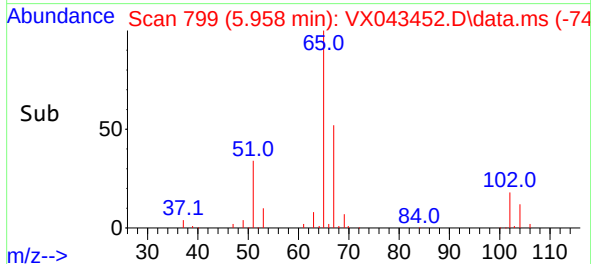
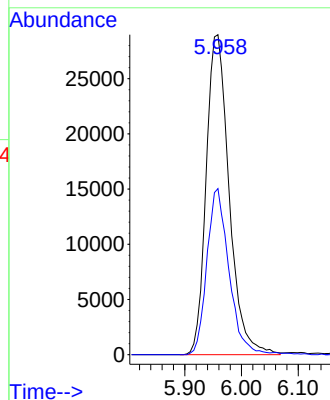
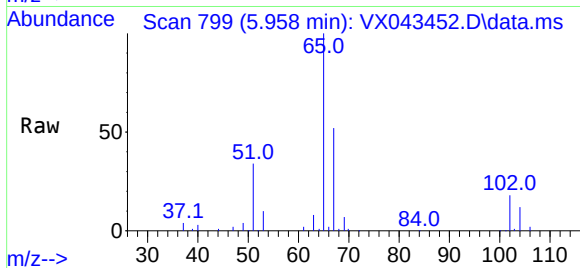
ClientSampleId :

Tgt Ion: 65 Resp: 81525

Ion Ratio Lower Upper

65 100

67 50.2 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX043452.D

Acq: 21 Oct 2024 14:16

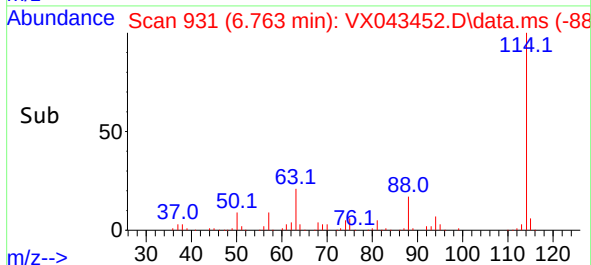
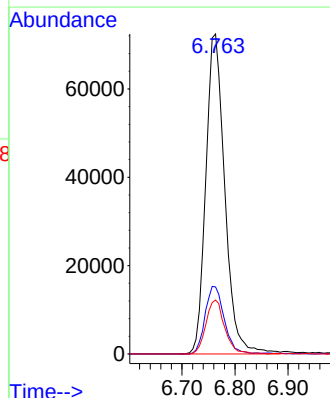
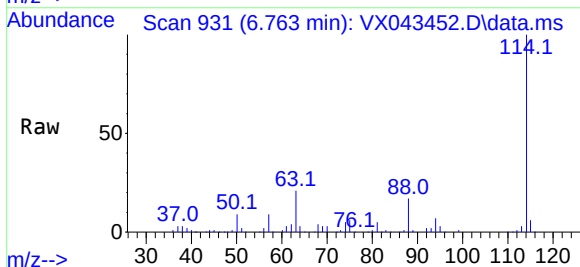
Tgt Ion: 114 Resp: 180350

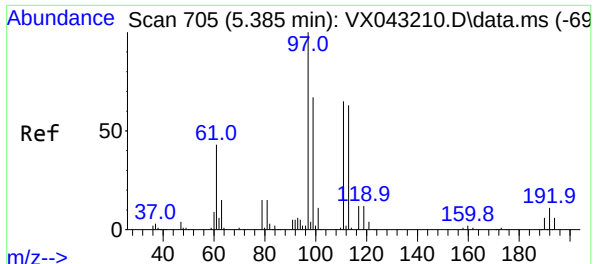
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.0

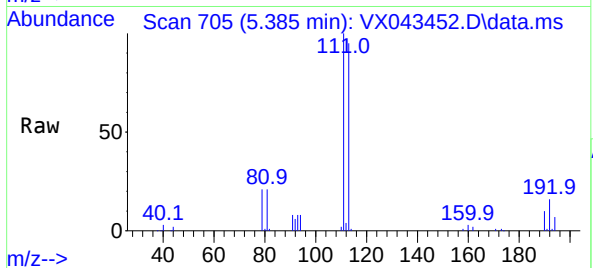
88 16.8 0.0 33.0



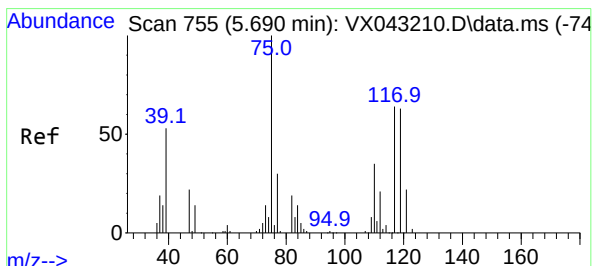
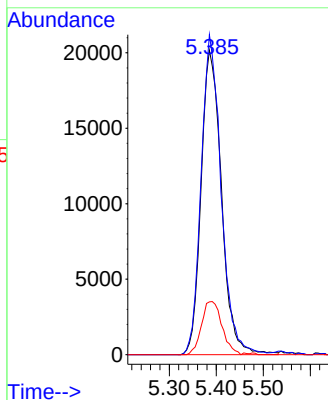
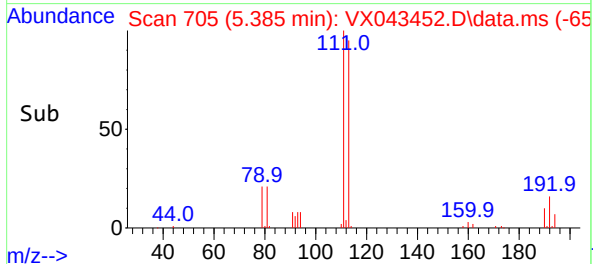


#35
Dibromofluoromethane
Concen: 48.869 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Instrument :
MSVOA_X
ClientSampleId :

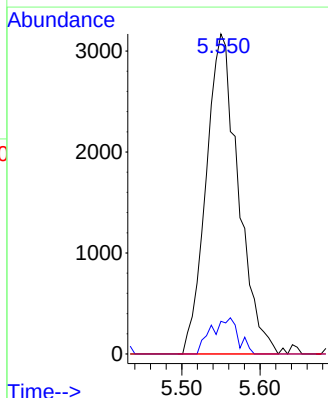
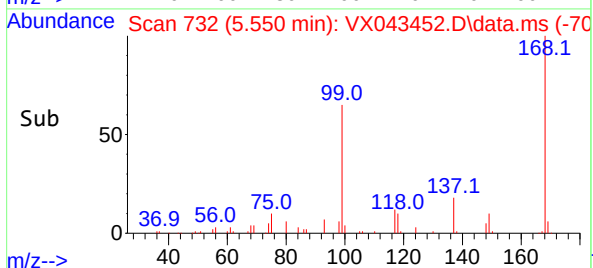
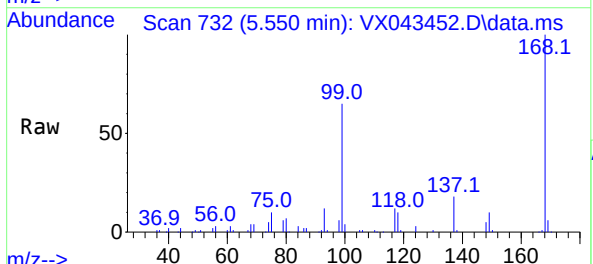


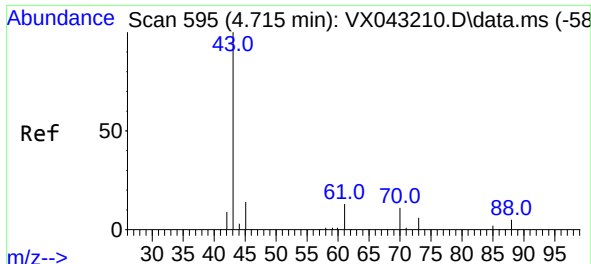
Tgt Ion:113 Resp: 60782
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.0
192 17.5 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.765 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Tgt Ion: 75 Resp: 9059
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.591 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.037 min

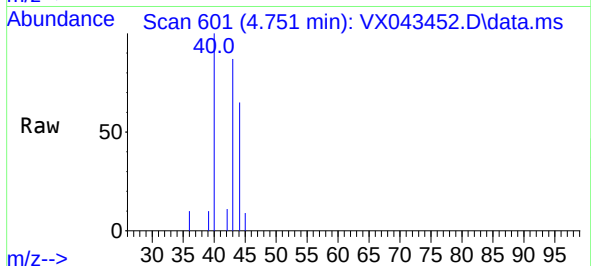
Lab File: VX043452.D

Acq: 21 Oct 2024 14:16

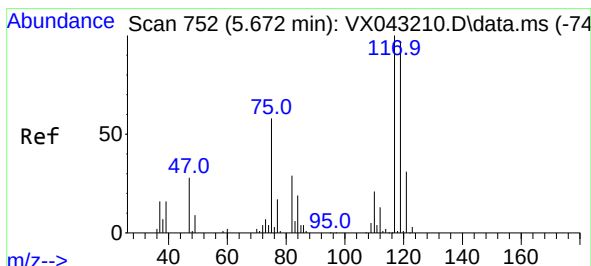
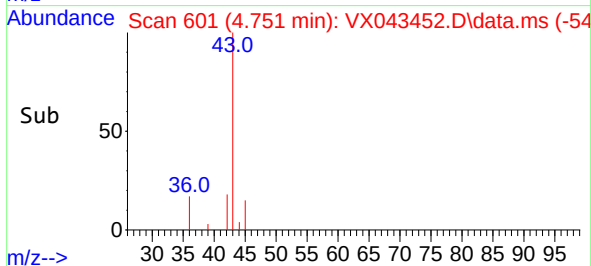
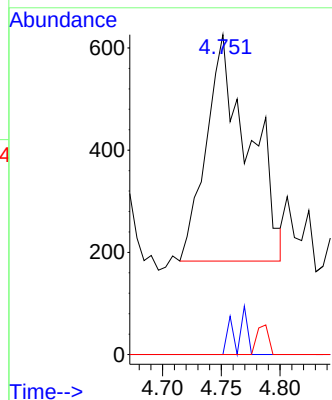
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	1115
Ion	Ratio	Lower	Upper
43	100		
61	2.4	11.0	16.4#
70	0.0	8.9	13.3#



#38

Carbon Tetrachloride

Concen: 5.882 ug/l

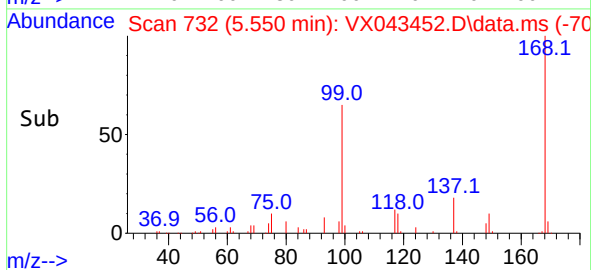
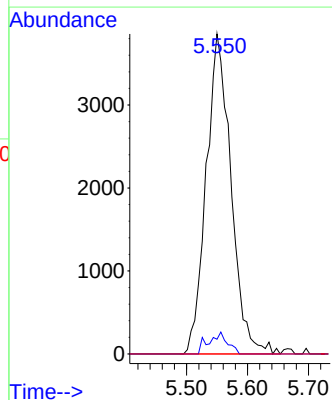
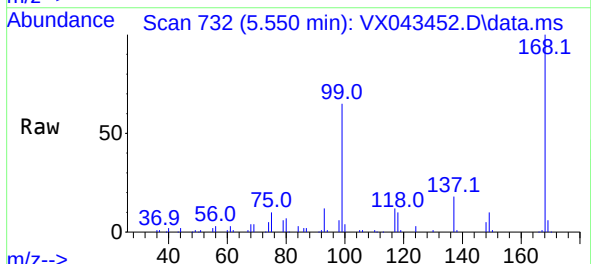
RT: 5.550 min Scan# 732

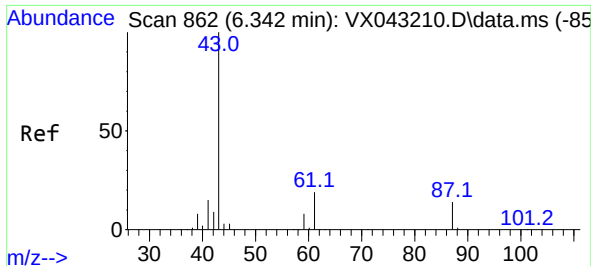
Delta R.T. -0.122 min

Lab File: VX043452.D

Acq: 21 Oct 2024 14:16

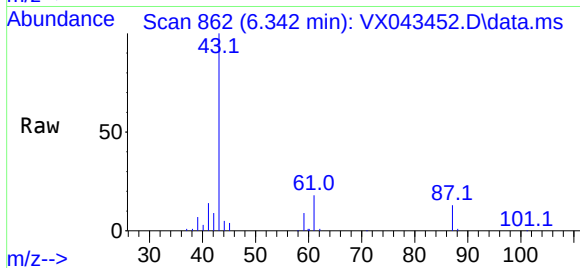
Tgt Ion:	117	Resp:	10942
Ion	Ratio	Lower	Upper
117	100		
119	4.6	77.7	116.5#
121	0.0	24.3	36.5#



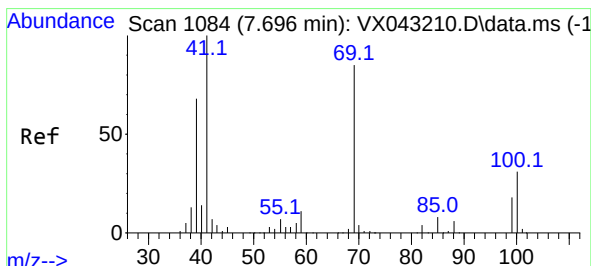
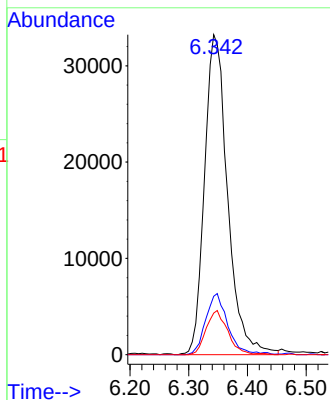
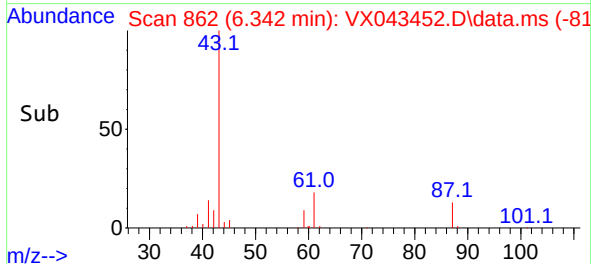


#43
Isopropyl Acetate
Concen: 29.107 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Instrument :
MSVOA_X
ClientSampleId :

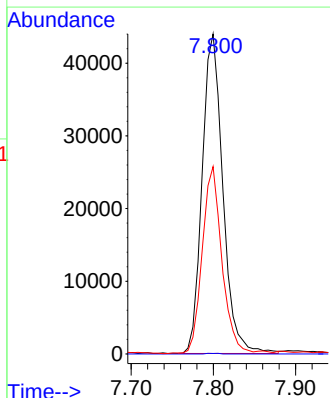
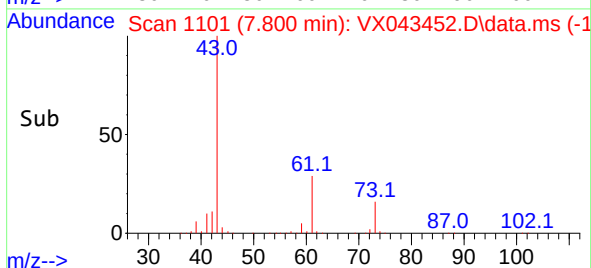
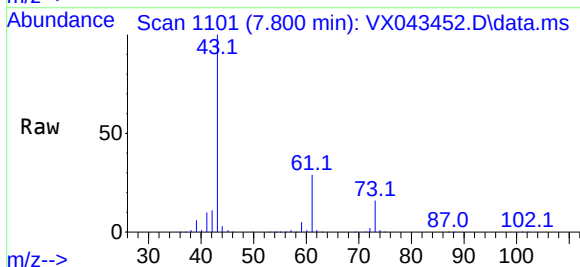


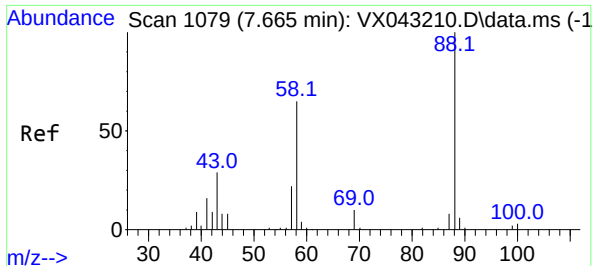
Tgt Ion: 43 Resp: 90716
Ion Ratio Lower Upper
43 100
61 18.3 15.1 22.7
87 12.8 10.8 16.2



#48
Methyl methacrylate
Concen: 50.346 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Tgt Ion: 41 Resp: 76990
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 55.9 52.8 79.2

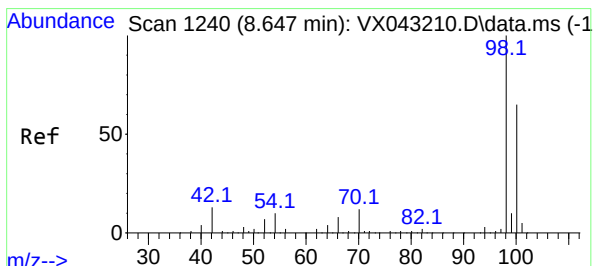
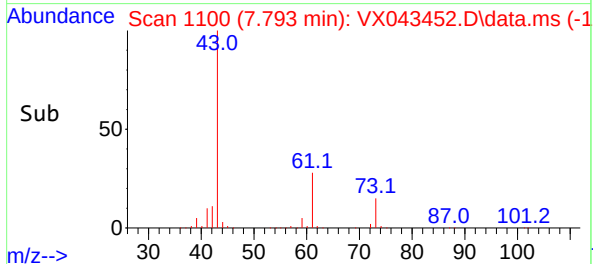
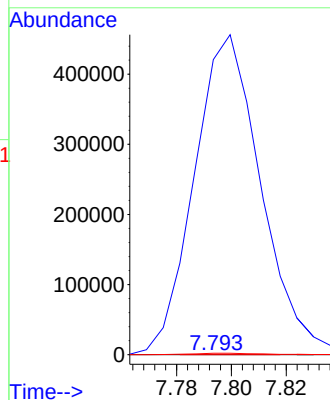
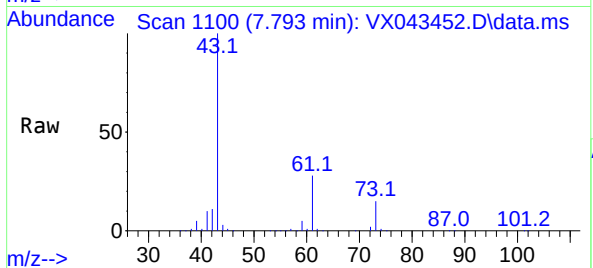




#49
1,4-Dioxane
Concen: 3.364 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

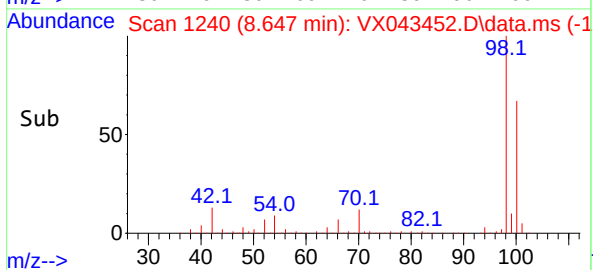
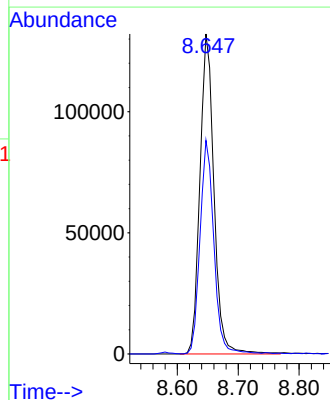
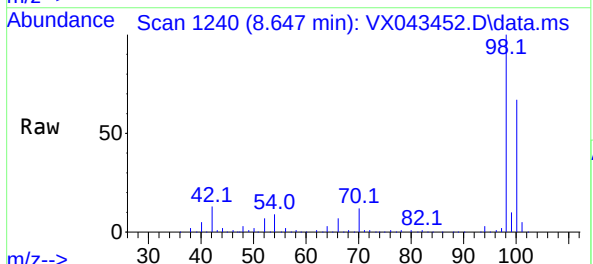
Instrument :
MSVOA_X
ClientSampleId :

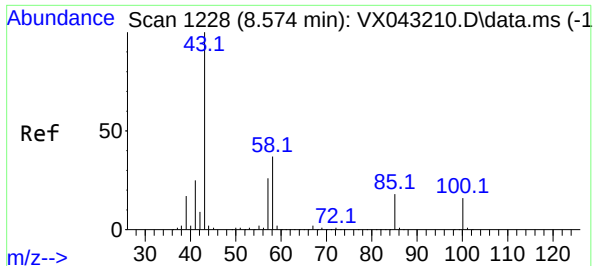
Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 790874.0 29.5 44.3#
58 3609.0 55.2 82.8#



#50
Toluene-d8
Concen: 49.207 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Tgt Ion: 98 Resp: 212093
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 37.042 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX043452.D

Acq: 21 Oct 2024 14:16

Instrument :

MSVOA_X

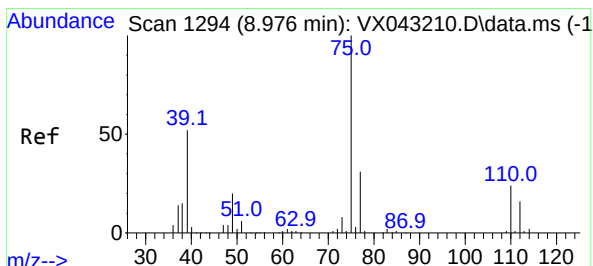
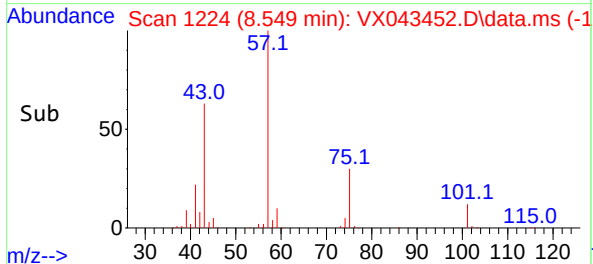
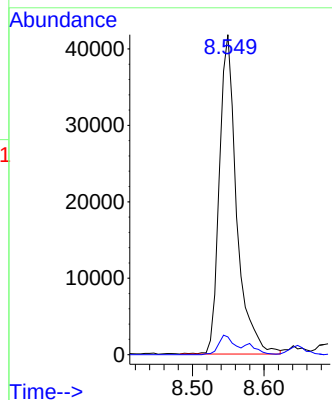
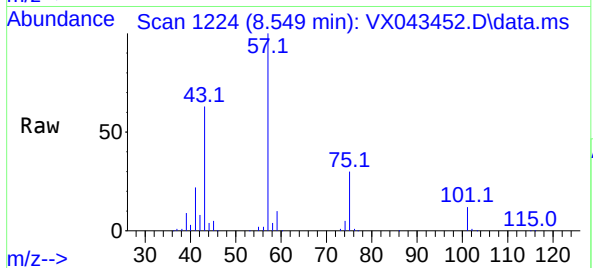
ClientSampleId :

Tgt Ion: 43 Resp: 70117

Ion Ratio Lower Upper

43 100

58 5.6 30.0 45.0#



#53

t-1,3-Dichloropropene

Concen: 0.370 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX043452.D

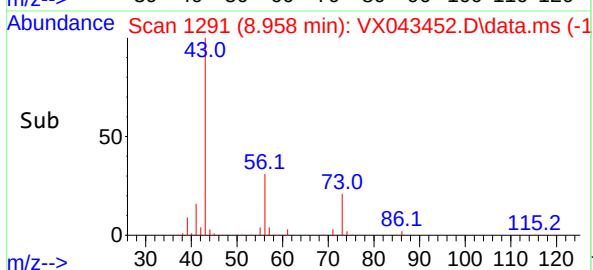
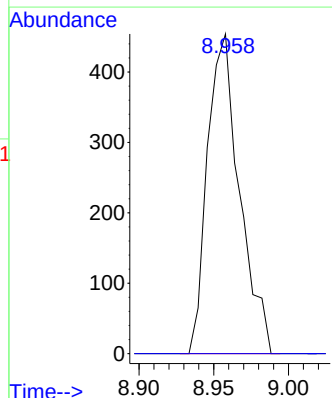
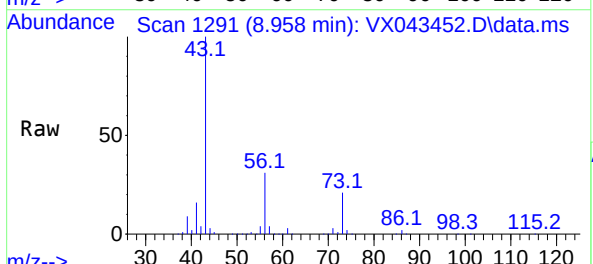
Acq: 21 Oct 2024 14:16

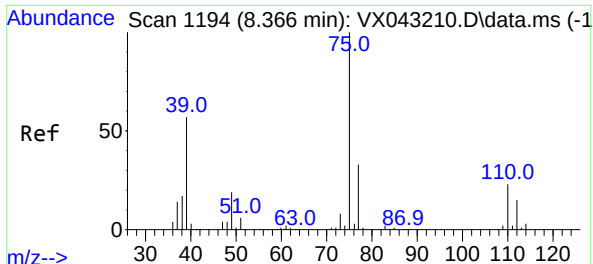
Tgt Ion: 75 Resp: 677

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

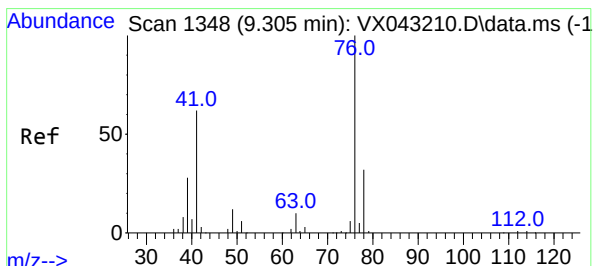
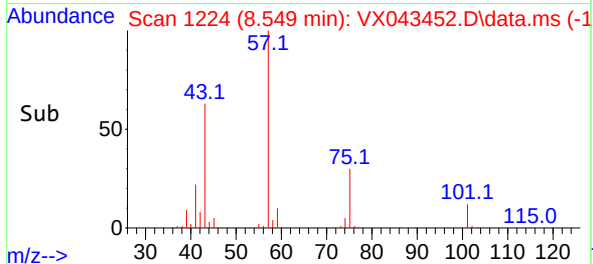
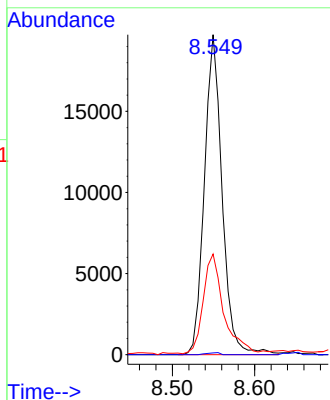
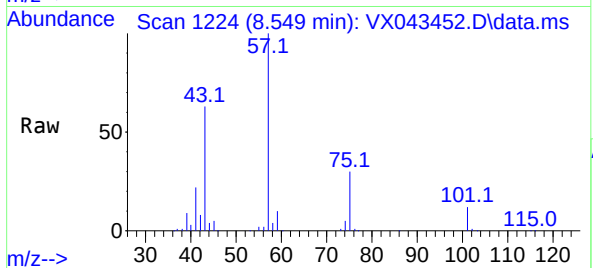




#54
cis-1,3-Dichloropropene
Concen: 15.056 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

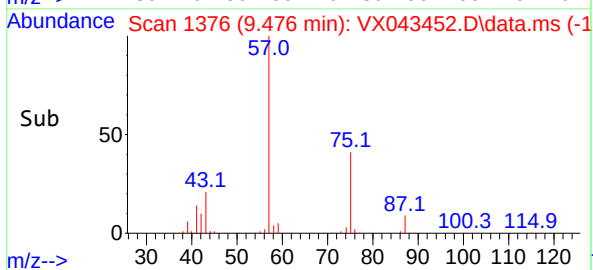
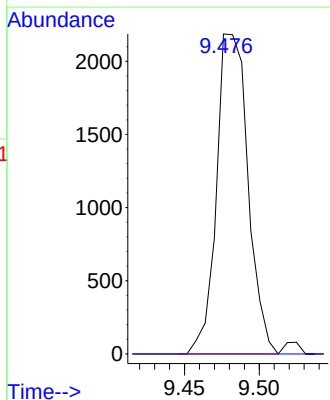
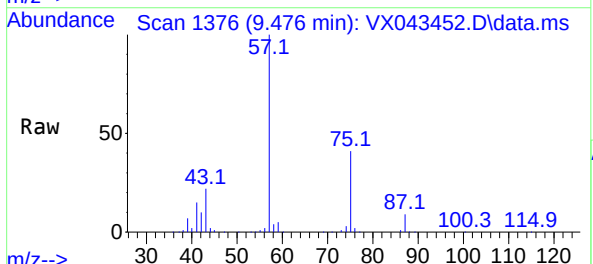
Instrument :
MSVOA_X
ClientSampleId :

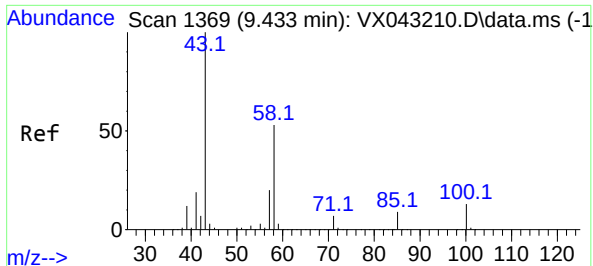
Tgt Ion: 75 Resp: 29554
Ion Ratio Lower Upper
75 100
77 0.5 26.0 39.0#
39 31.0 45.8 68.8#



#57
1,3-Dichloropropane
Concen: 1.582 ug/l
RT: 9.476 min Scan# 1376
Delta R.T. 0.171 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Tgt Ion: 76 Resp: 3197
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

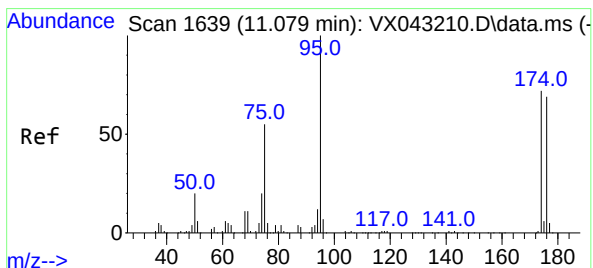
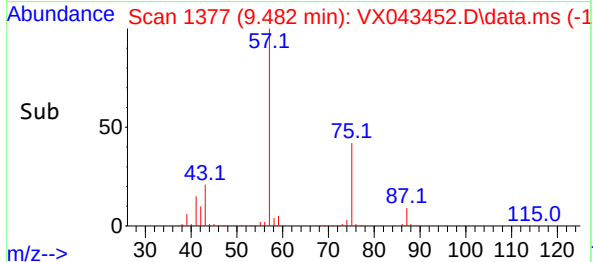
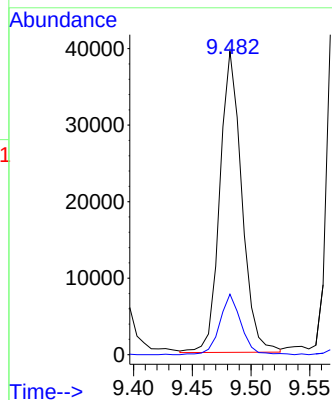
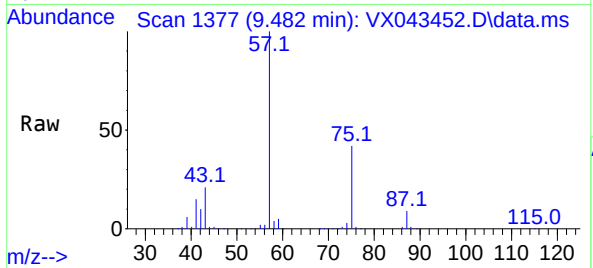




#59
2-Hexanone
Concen: 35.797 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

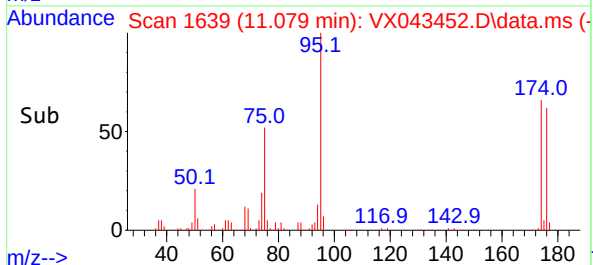
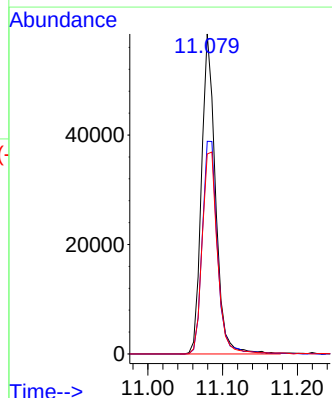
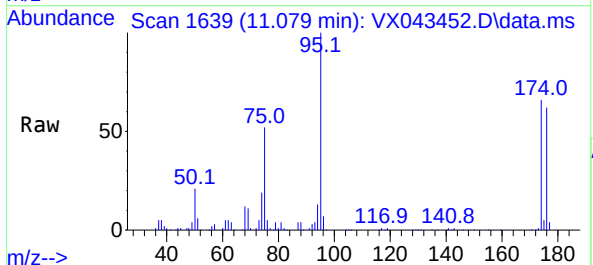
Instrument :
MSVOA_X
ClientSampleId :

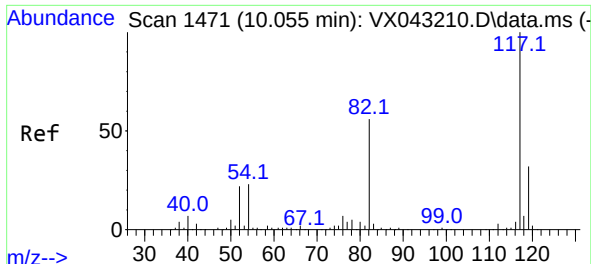
Tgt Ion: 43 Resp: 51241
Ion Ratio Lower Upper
43 100
58 19.5 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 48.491 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Tgt Ion: 95 Resp: 75931
Ion Ratio Lower Upper
95 100
174 71.8 0.0 145.0
176 69.1 0.0 143.0

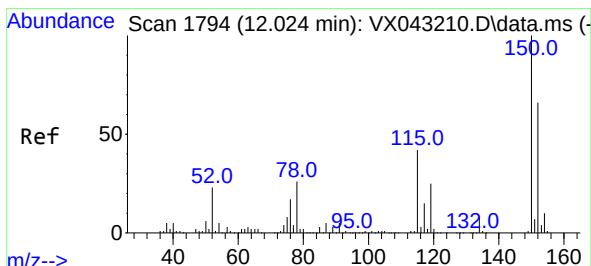
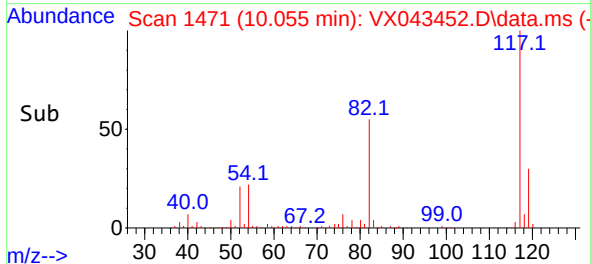
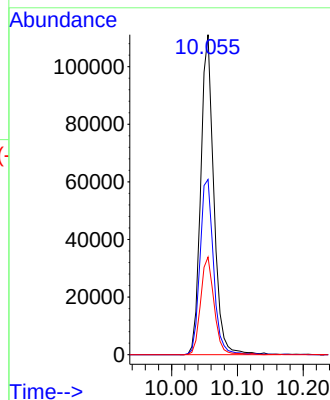
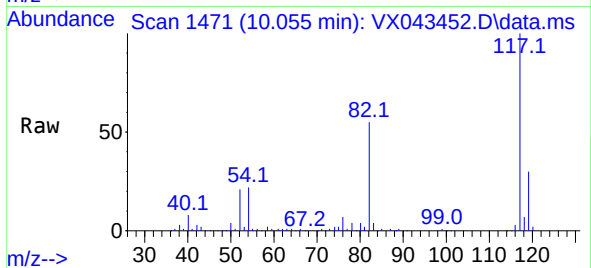




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

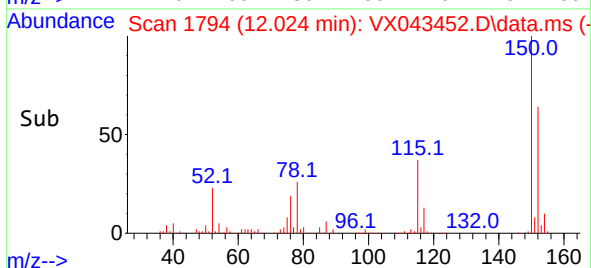
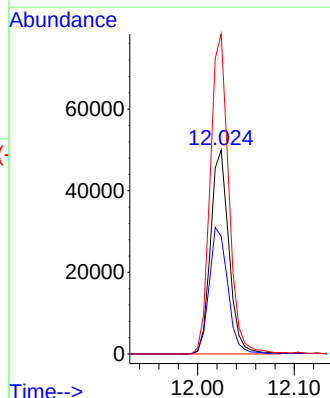
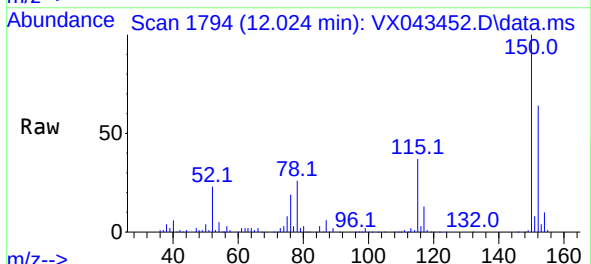
Instrument :
MSVOA_X
ClientSampleId :

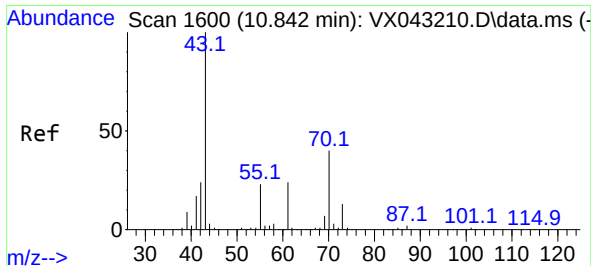
Tgt Ion:117 Resp: 153403
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.6
119 30.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

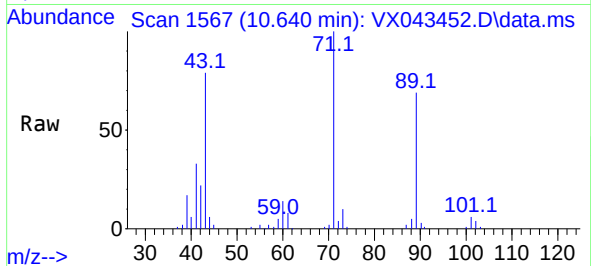
Tgt Ion:152 Resp: 65906
Ion Ratio Lower Upper
152 100
115 62.8 44.1 132.3
150 158.0 0.0 347.4



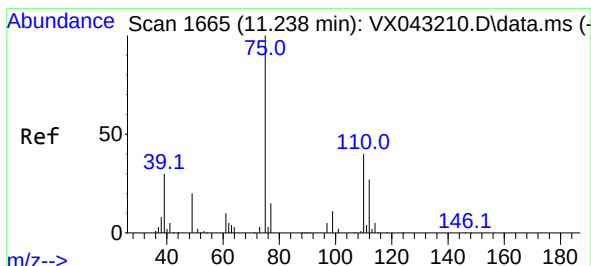
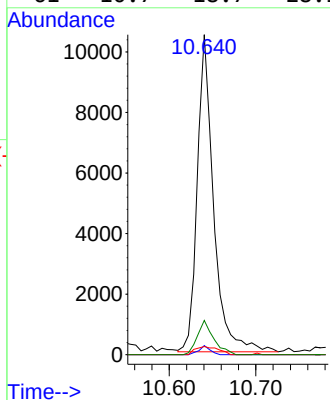
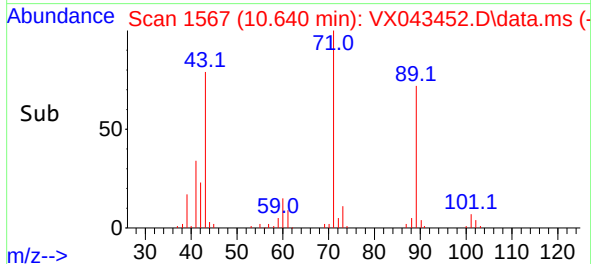


#74
N-amy1 acetate
Concen: 5.655 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Instrument :
MSVOA_X
ClientSampleId :

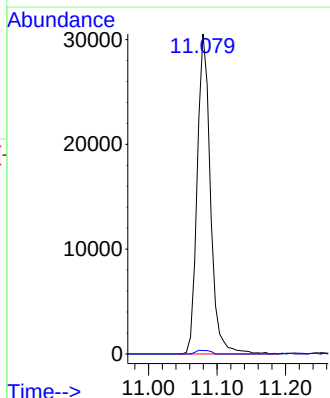
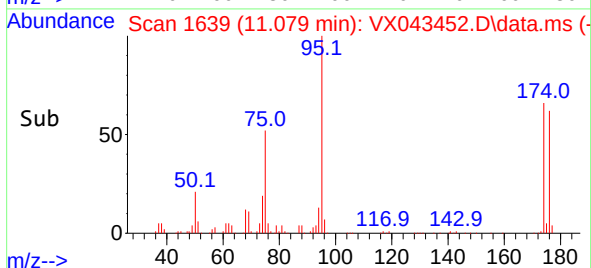
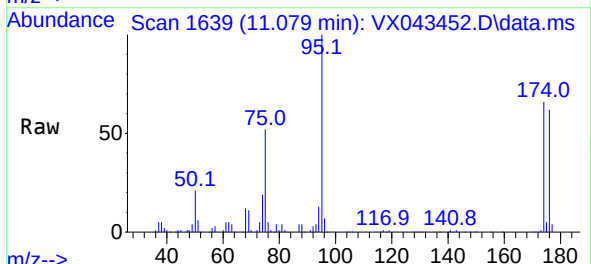


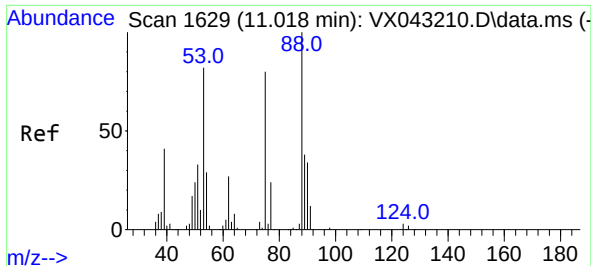
Tgt Ion:	43	Resp:	13756
Ion	Ratio	Lower	Upper
43	100		
70	1.9	33.1	49.7#
55	3.6	18.6	27.8#
61	10.7	18.7	28.1#



#76
1,2,3-Trichloropropane
Concen: 28.105 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

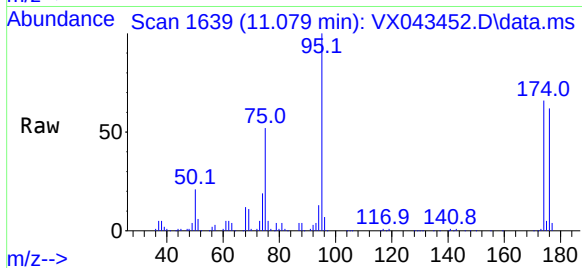
Tgt Ion:	75	Resp:	41086
Ion	Ratio	Lower	Upper
75	100		
77	1.2	22.0	66.0#



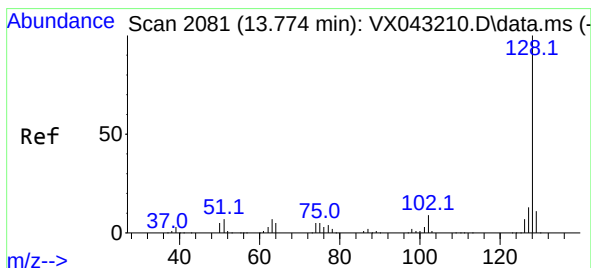
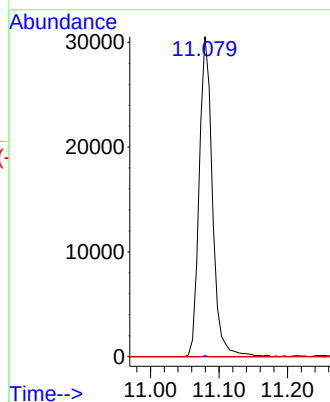
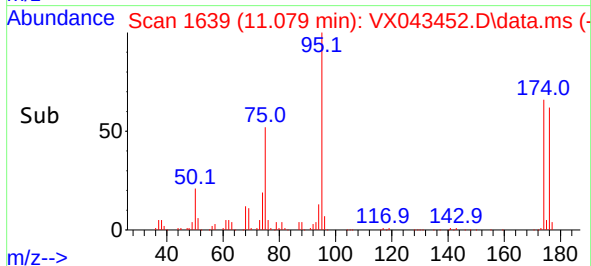


#81
trans-1,4-Dichloro-2-butene
Concen: 72.839 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 41086
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.1 38.6 58.0#



#95
Naphthalene
Concen: 0.272 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX043452.D
Acq: 21 Oct 2024 14:16

Tgt Ion: 128 Resp: 1295
Ion Ratio Lower Upper
128 100
127 14.8 10.2 15.2
129 4.4 8.6 13.0#

