

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
 Data File : VX043238.D
 Acq On : 02 Oct 2024 17:50
 Operator : JC/MD
 Sample : P4236-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP1

Quant Time: Oct 03 02:36:55 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)

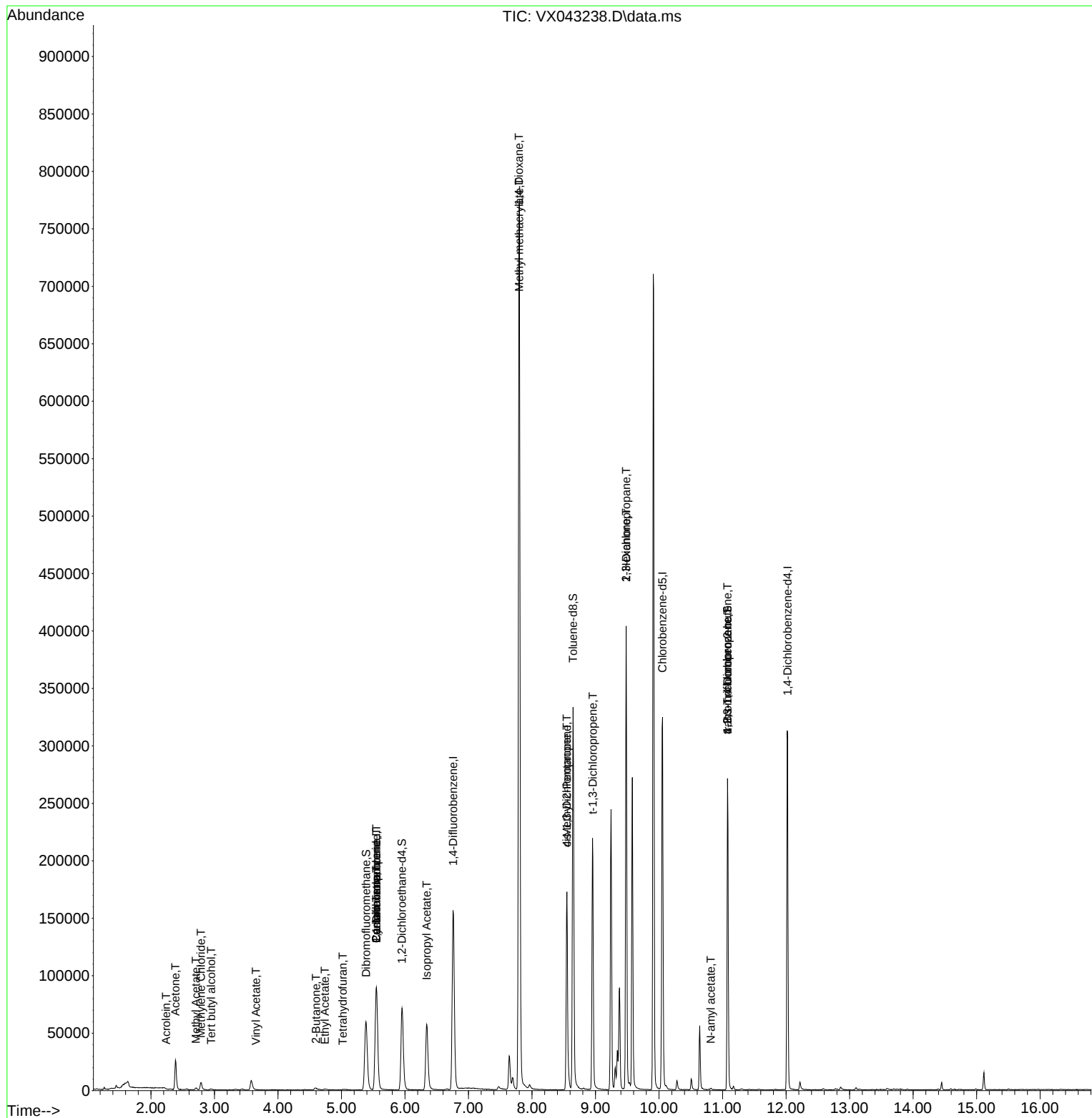
Internal Standards						
1) Pentafluorobenzene	5.550	168	83361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	144115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72891	53.541	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.080%		
35) Dibromofluoromethane	5.385	113	53028	48.196	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 96.400%		
50) Toluene-d8	8.647	98	193180	50.665	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.340%		
62) 4-Bromofluorobenzene	11.079	95	71536	51.643	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 103.280%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	492	1.899	ug/l #	71
13) Acrolein	2.239	56	51	0.208	ug/l #	1
16) Acetone	2.386	43	29714	52.264	ug/l	99
18) Methyl Acetate	2.709	43	2307	1.618	ug/l	94
20) Methylene Chloride	2.788	84	3313	3.160	ug/l	94
23) Vinyl Acetate	3.654	43	58	6.356	ug/l #	71
25) 2-Butanone	4.599	43	3550	4.554	ug/l	92
29) Tetrahydrofuran	5.019	42	179	0.360	ug/l #	54
31) Cyclohexane	5.550	56	1946	1.325	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	6867	4.940	ug/l #	51
37) Ethyl Acetate	4.739	43	699	0.419	ug/l #	93
38) Carbon Tetrachloride	5.550	117	8924	5.423	ug/l #	16
43) Isopropyl Acetate	6.342	43	81576	29.588	ug/l	100
48) Methyl methacrylate	7.799	41	71373	52.761	ug/l #	46
49) 1,4-Dioxane	7.793	88	88	3.347	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	63644	38.008	ug/l #	52
53) t-1,3-Dichloropropene	8.958	75	436	0.269	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	26985	15.540	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	3406	1.905	ug/l #	43
59) 2-Hexanone	9.482	43	47933	37.854	ug/l #	52
74) N-amyl acetate	10.817	43	546	0.230	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	39259	27.524	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	39259	71.334	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
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration

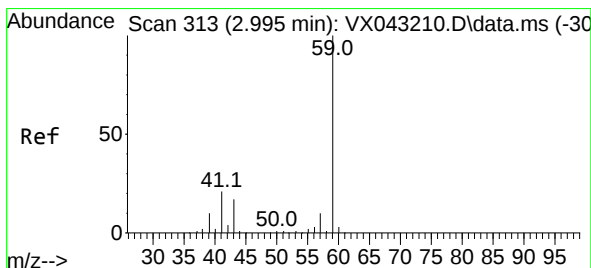
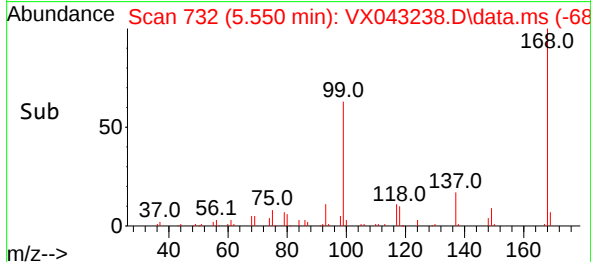
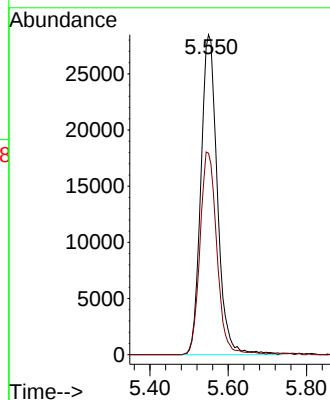
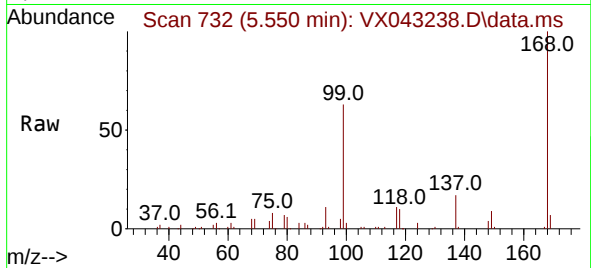




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

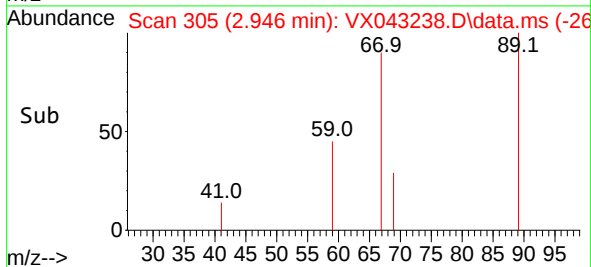
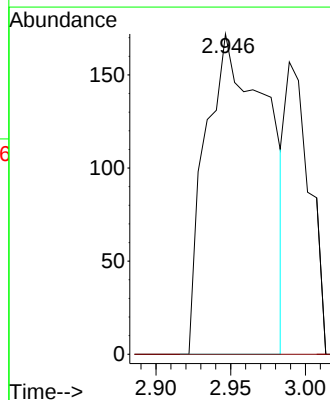
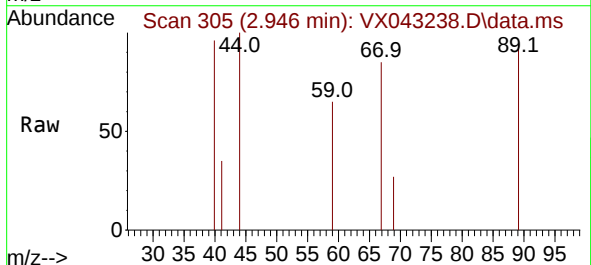
Instrument : MSVOA_X
ClientSampleId : TP1

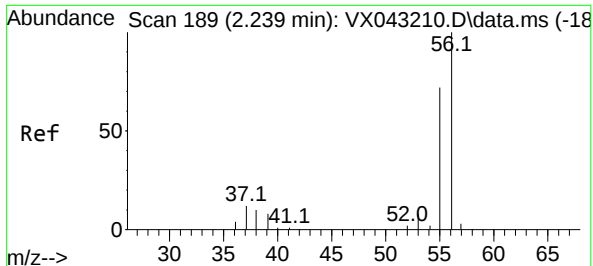
Tgt Ion:168 Resp: 83361
Ion Ratio Lower Upper
168 100
99 63.0 49.7 74.5



#11
Tert butyl alcohol
Concen: 1.899 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

Tgt Ion: 59 Resp: 492
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

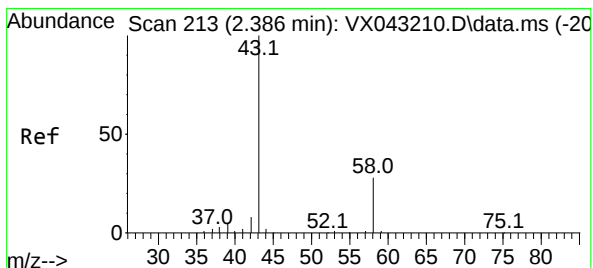
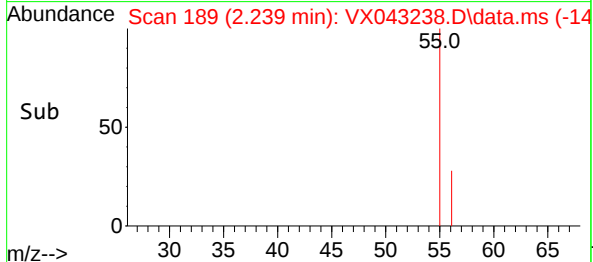
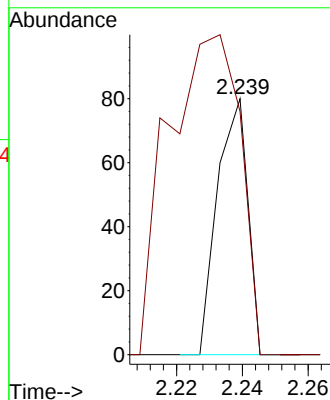
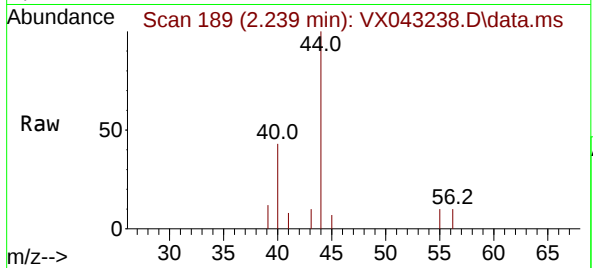




#13
Acrolein
Concen: 0.208 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

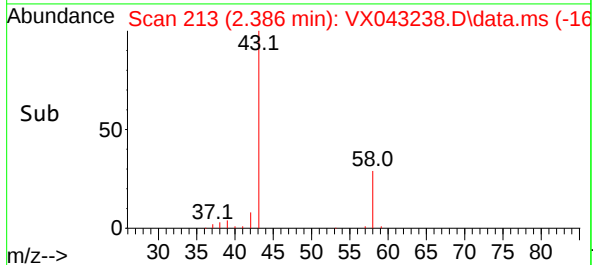
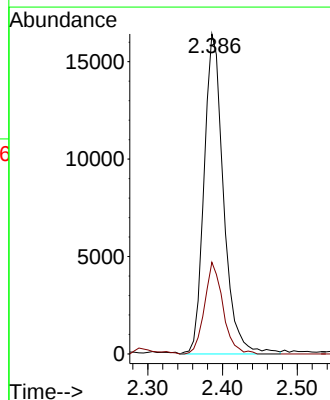
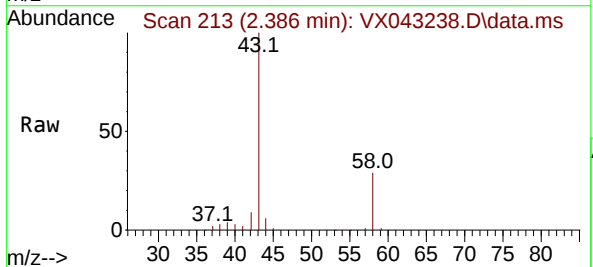
Instrument :
MSVOA_X
ClientSampleId :
TP1

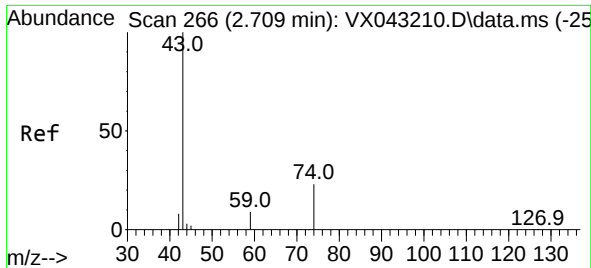
Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 298.0 57.4 86.0#



#16
Acetone
Concen: 52.264 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

Tgt Ion: 43 Resp: 29714
Ion Ratio Lower Upper
43 100
58 28.6 22.6 33.8

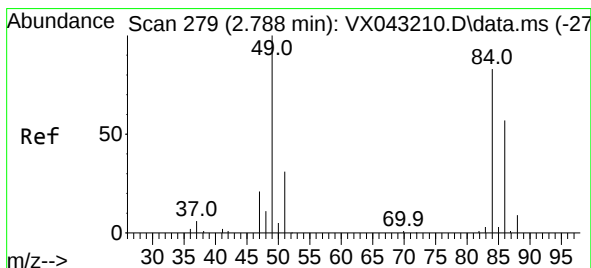
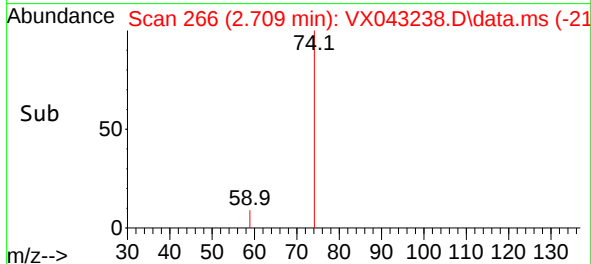
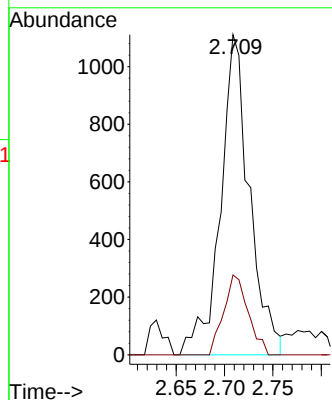
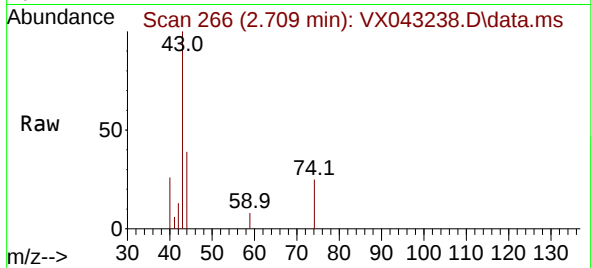




#18
Methyl Acetate
Concen: 1.618 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

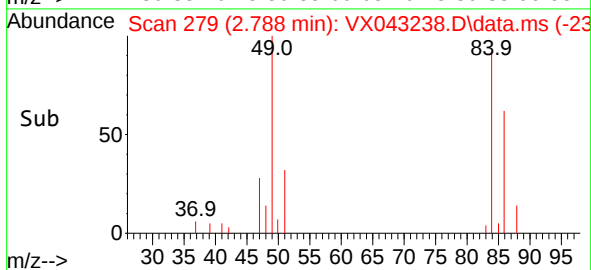
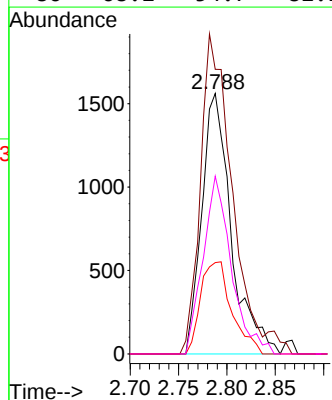
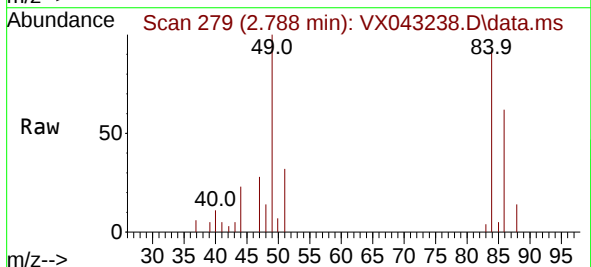
Instrument :
MSVOA_X
ClientSampleId :
TP1

Tgt Ion: 43 Resp: 2307
Ion Ratio Lower Upper
43 100
74 21.1 19.1 28.7



#20
Methylene Chloride
Concen: 3.160 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

Tgt Ion: 84 Resp: 3313
Ion Ratio Lower Upper
84 100
49 109.3 96.7 145.1
51 35.0 30.4 45.6
86 68.2 54.7 82.1

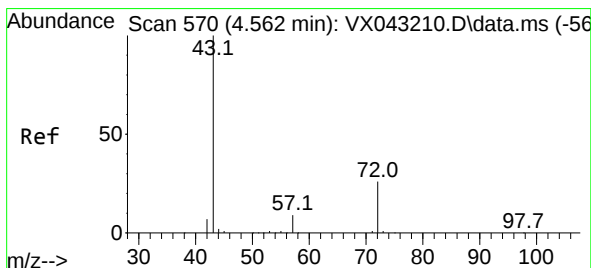
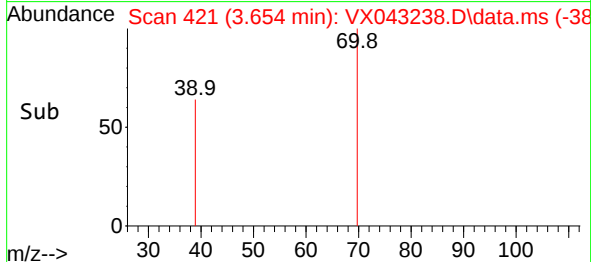
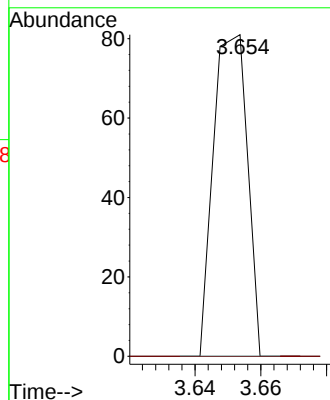
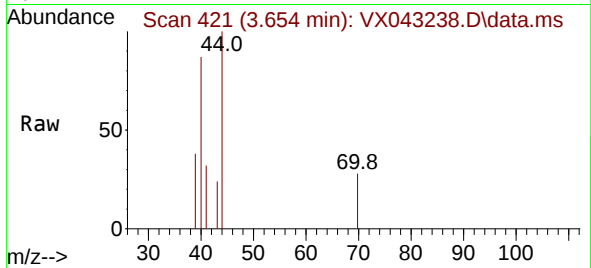




#23
 Vinyl Acetate
 Concen: 6.356 ug/l
 RT: 3.654 min Scan# 41
 Delta R.T. -0.067 min
 Lab File: VX043238.D
 Acq: 02 Oct 2024 17:50

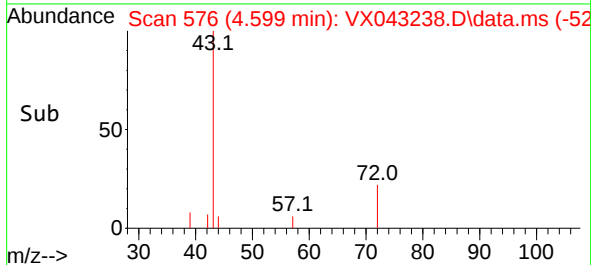
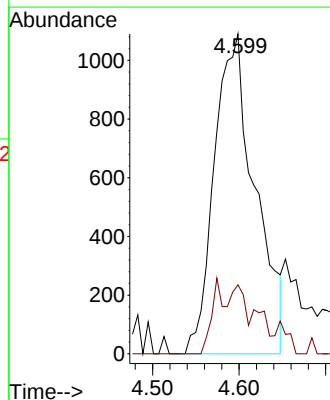
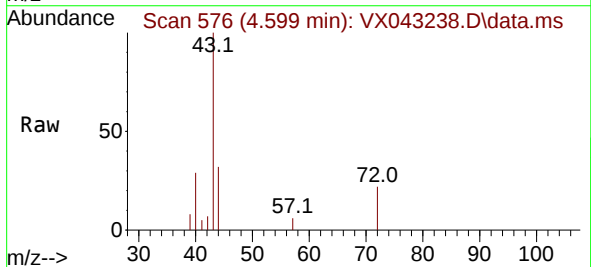
Instrument :
 MSVOA_X
 ClientSampleId :
 TP1

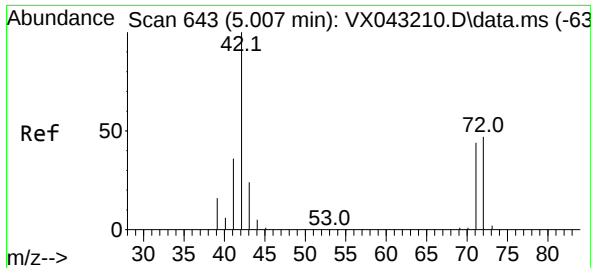
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 4.554 ug/l
 RT: 4.599 min Scan# 576
 Delta R.T. 0.037 min
 Lab File: VX043238.D
 Acq: 02 Oct 2024 17:50

Tgt Ion: 43 Resp: 3550
 Ion Ratio Lower Upper
 43 100
 72 21.6 20.6 31.0

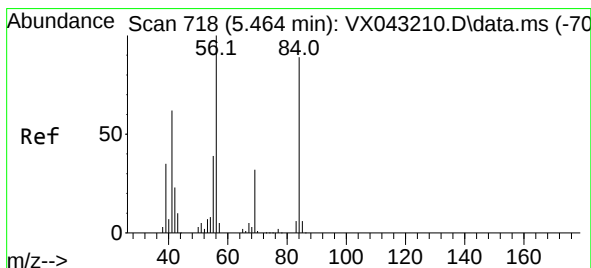
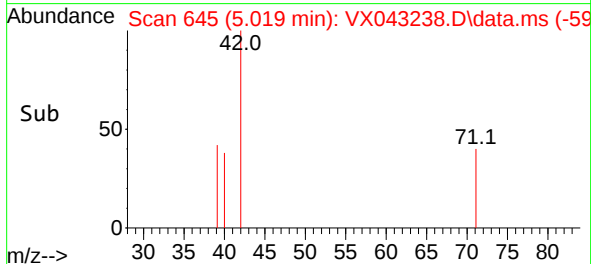
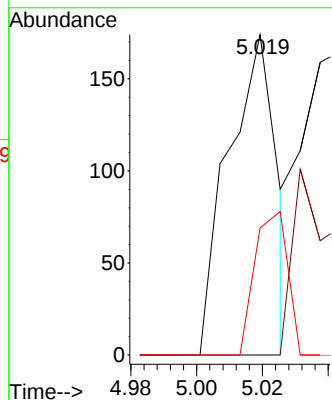
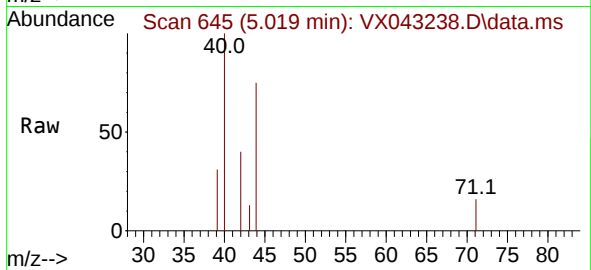




#29
Tetrahydrofuran
Concen: 0.360 ug/l
RT: 5.019 min Scan# 643
Delta R.T. 0.012 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

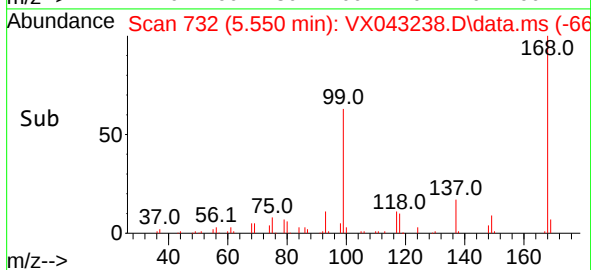
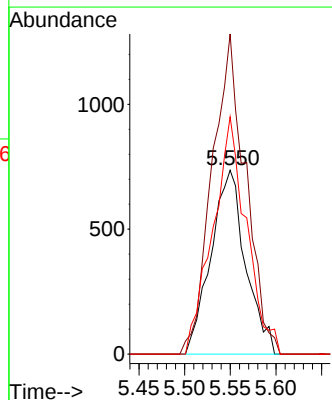
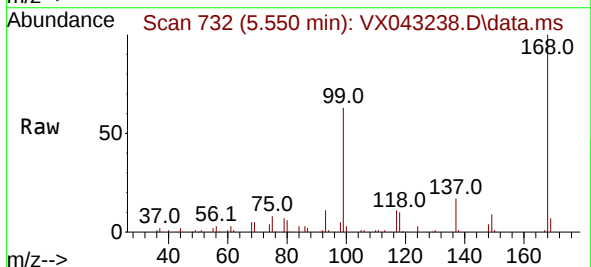
Instrument :
MSVOA_X
ClientSampleId :
TP1

Tgt Ion: 42 Resp: 179
Ion Ratio Lower Upper
42 100
72 0.0 37.7 56.5#
71 30.2 34.6 52.0#



#31
Cyclohexane
Concen: 1.325 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

Tgt Ion: 56 Resp: 1946
Ion Ratio Lower Upper
56 100
69 174.2 25.8 38.6#
84 129.1 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 53.541 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043238.D

Acq: 02 Oct 2024 17:50

Instrument :

MSVOA_X

ClientSampleId :

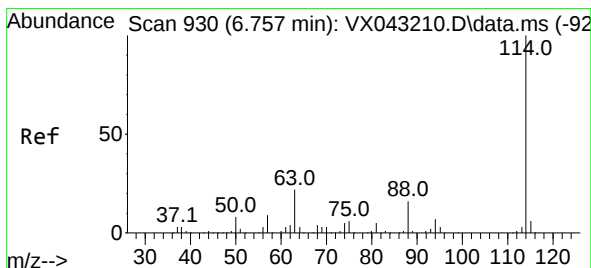
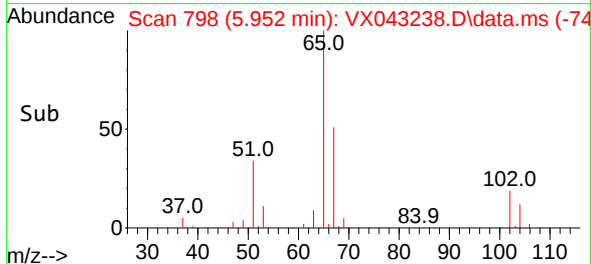
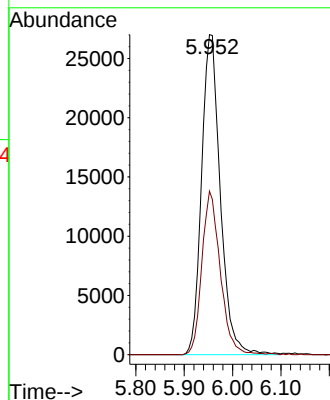
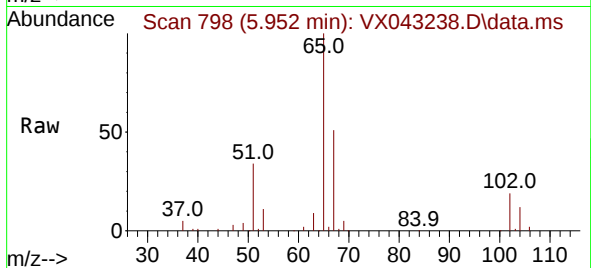
TP1

Tgt Ion: 65 Resp: 72891

Ion Ratio Lower Upper

65 100

67 50.0 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: VX043238.D

Acq: 02 Oct 2024 17:50

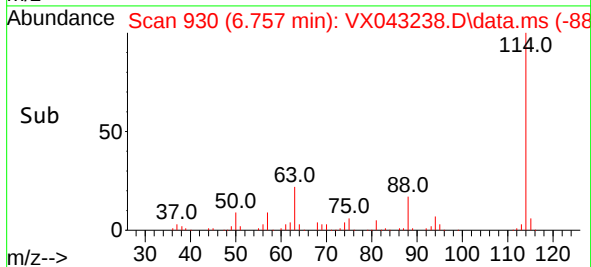
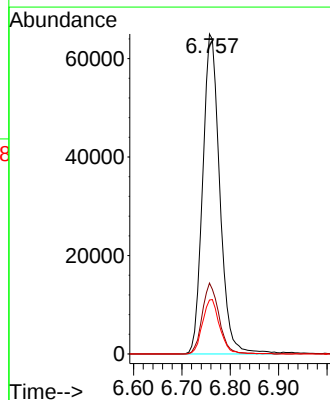
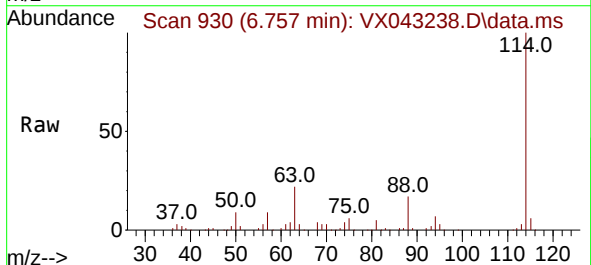
Tgt Ion: 114 Resp: 159540

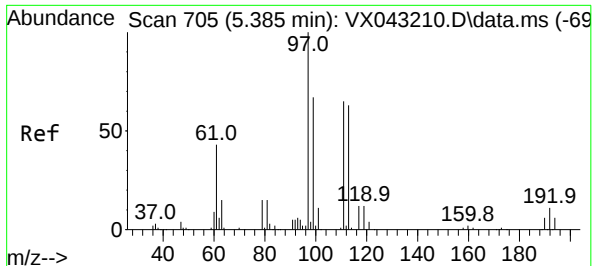
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.0

88 16.9 0.0 33.0

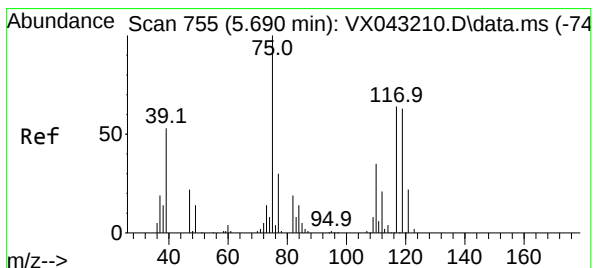
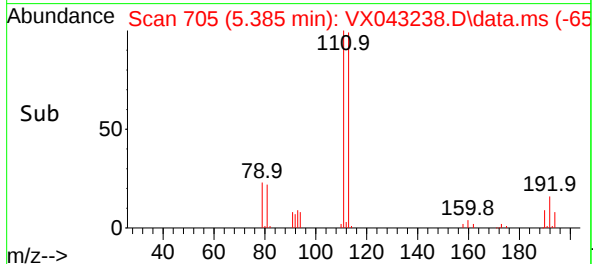
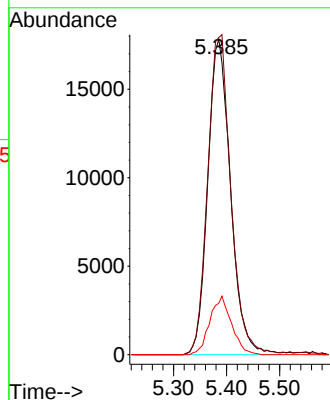
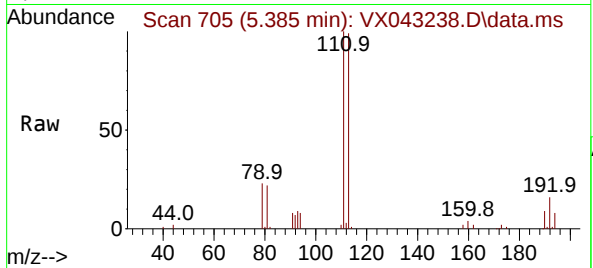




#35
Dibromofluoromethane
Concen: 48.196 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

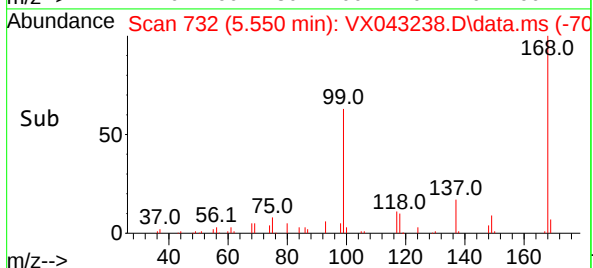
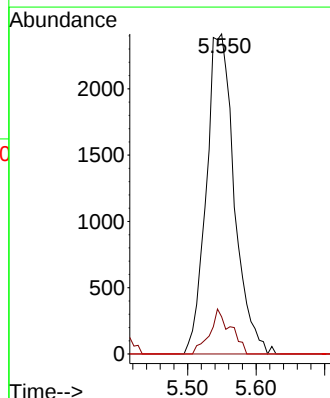
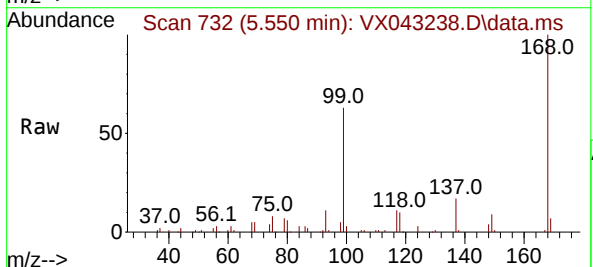
Instrument :
MSVOA_X
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TP1

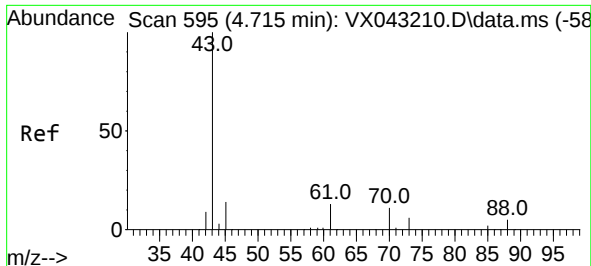
Tgt Ion:113 Resp: 53028
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.0
192 17.8 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.940 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

Tgt Ion: 75 Resp: 6867
Ion Ratio Lower Upper
75 100
110 10.6 17.8 53.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.419 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.024 min

Lab File: VX043238.D

Acq: 02 Oct 2024 17:50

Instrument :

MSVOA_X

ClientSampleId :

TP1

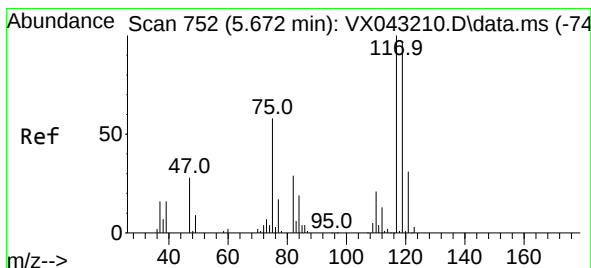
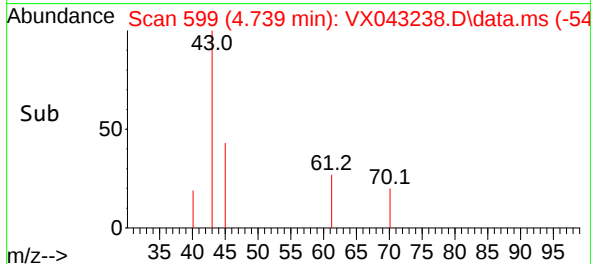
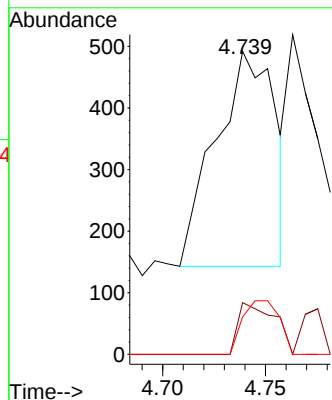
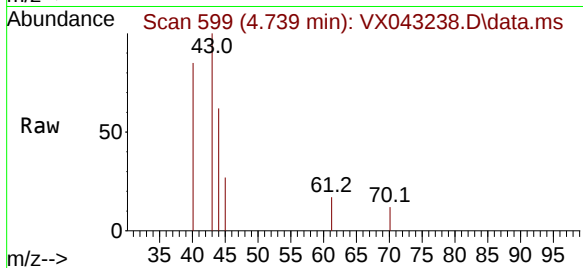
Tgt Ion: 43 Resp: 699

Ion Ratio Lower Upper

43 100

61 14.9 11.0 16.4

70 15.5 8.9 13.3#



#38

Carbon Tetrachloride

Concen: 5.423 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX043238.D

Acq: 02 Oct 2024 17:50

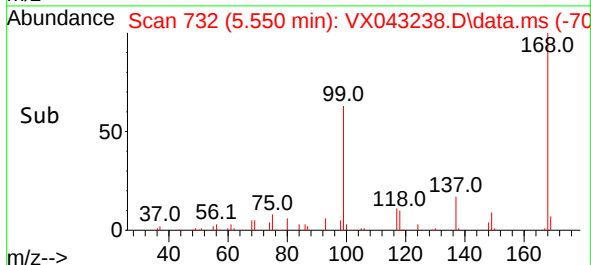
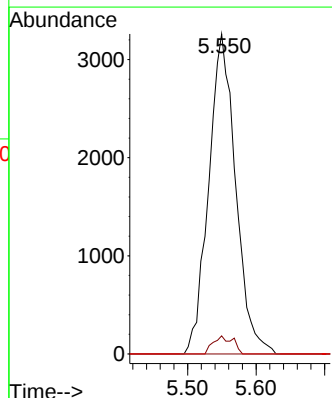
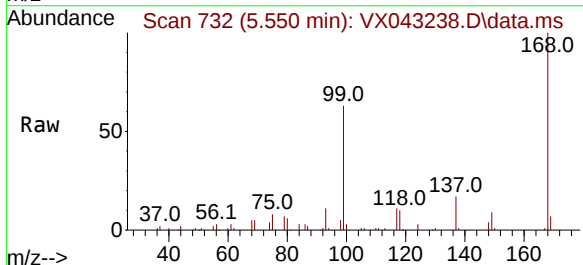
Tgt Ion: 117 Resp: 8924

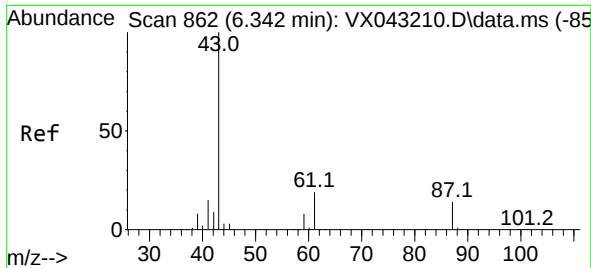
Ion Ratio Lower Upper

117 100

119 5.6 77.7 116.5#

121 0.0 24.3 36.5#

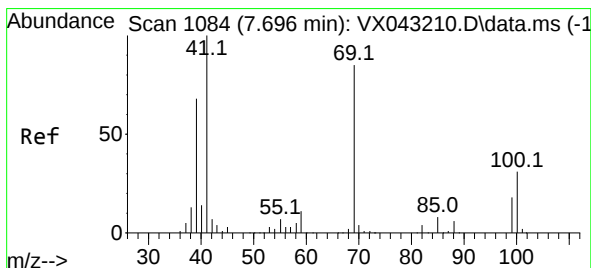
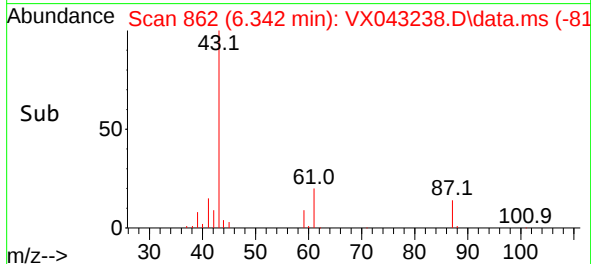
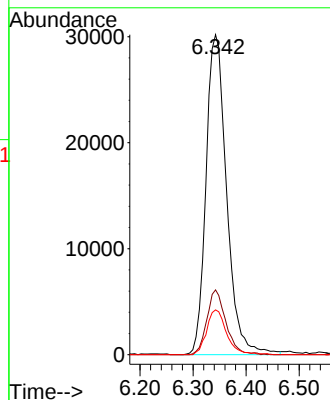
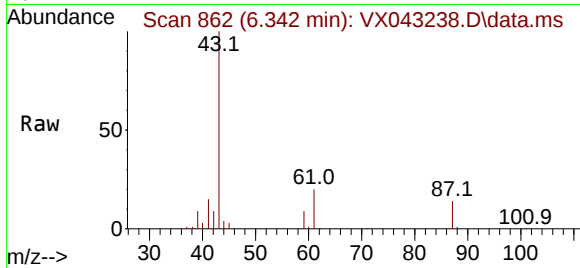




#43
Isopropyl Acetate
Concen: 29.588 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

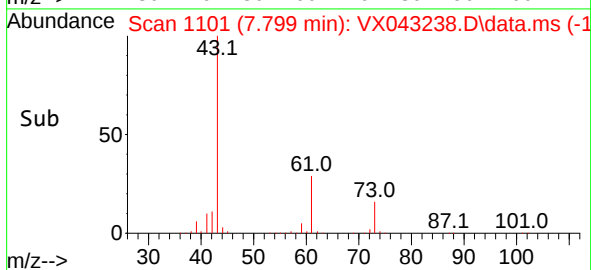
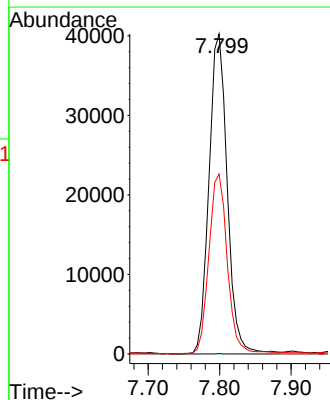
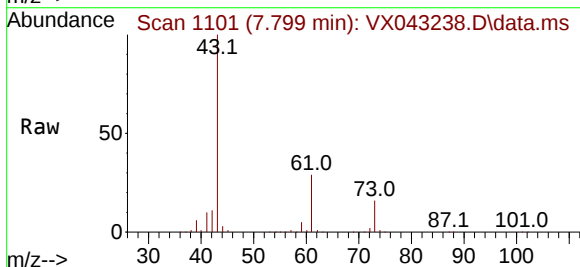
Instrument :
MSVOA_X
ClientSampleId :
TP1

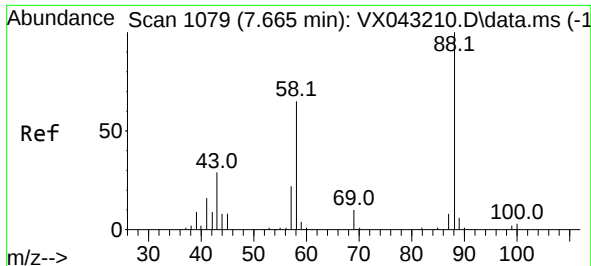
Tgt Ion:	43	Resp:	81576
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	13.5	10.8	16.2



#48
Methyl methacrylate
Concen: 52.761 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

Tgt Ion:	41	Resp:	71373
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.1	96.1#
39	57.8	52.8	79.2





#49

1,4-Dioxane

Concen: 3.347 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.128 min

Lab File: VX043238.D

Acq: 02 Oct 2024 17:50

Instrument :

MSVOA_X

ClientSampleId :

TP1

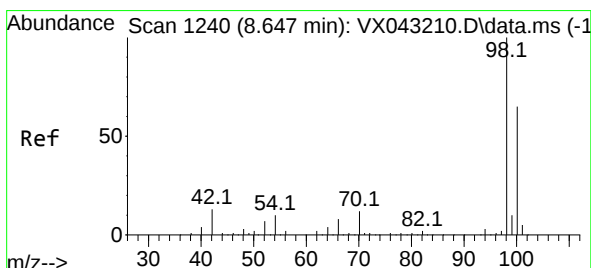
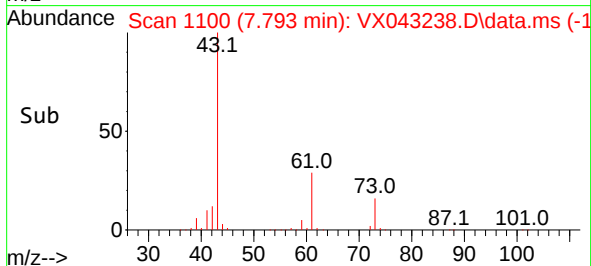
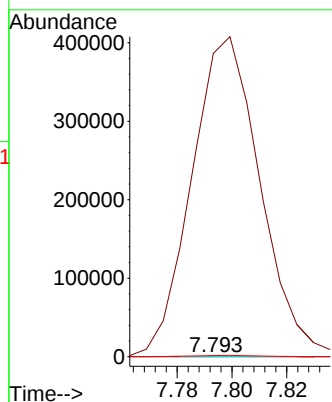
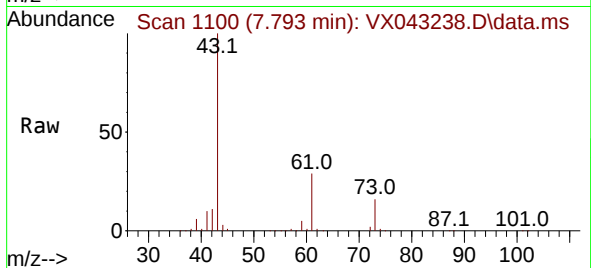
Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

43 820455.7 29.5 44.3#

58 3364.8 55.2 82.8#



#50

Toluene-d8

Concen: 50.665 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043238.D

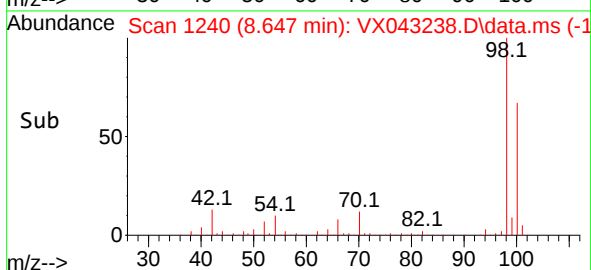
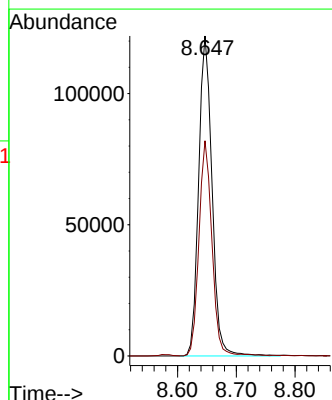
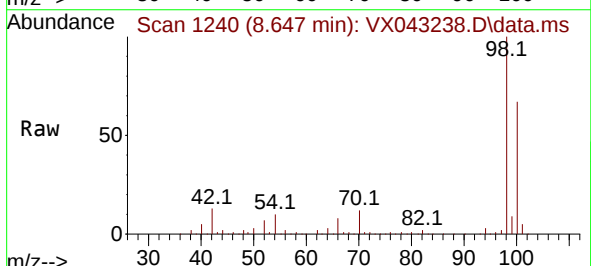
Acq: 02 Oct 2024 17:50

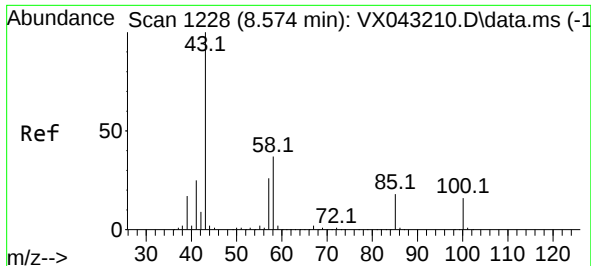
Tgt Ion: 98 Resp: 193180

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6

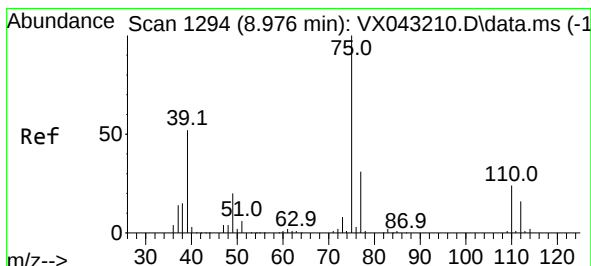
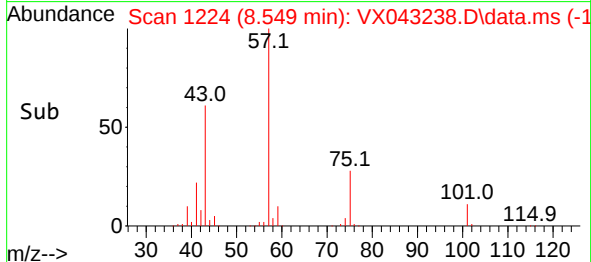
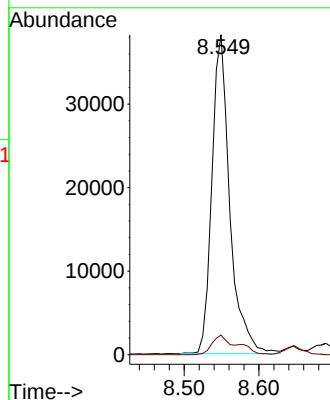
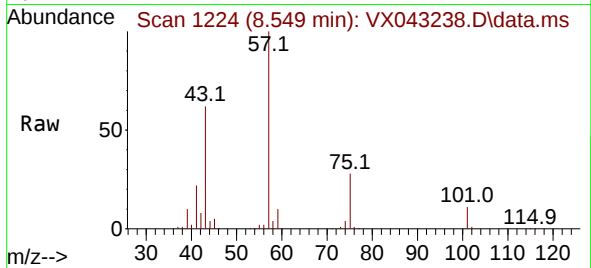




#51
4-Methyl-2-Pentanone
Concen: 38.008 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

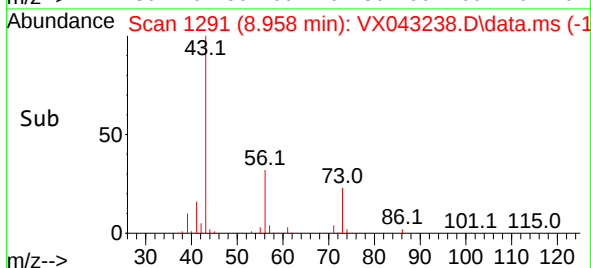
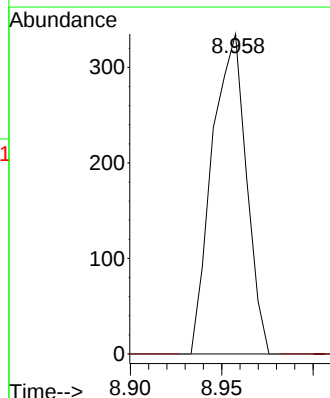
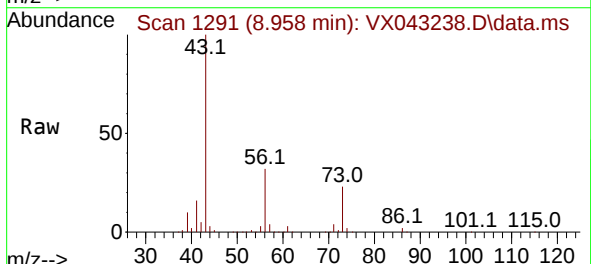
Instrument :
MSVOA_X
ClientSampleId :
TP1

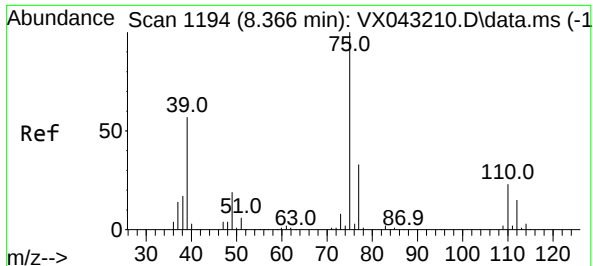
Tgt Ion: 43 Resp: 63644
Ion Ratio Lower Upper
43 100
58 8.5 30.0 45.0#



#53
t-1,3-Dichloropropene
Concen: 0.269 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

Tgt Ion: 75 Resp: 436
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

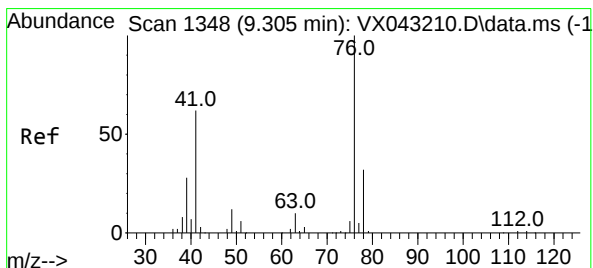
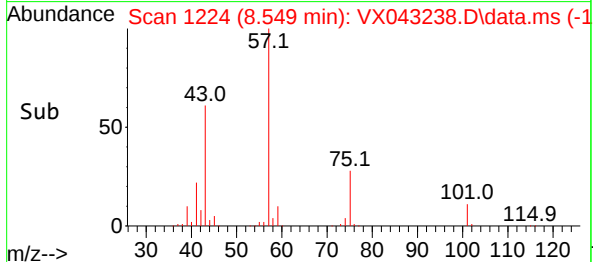
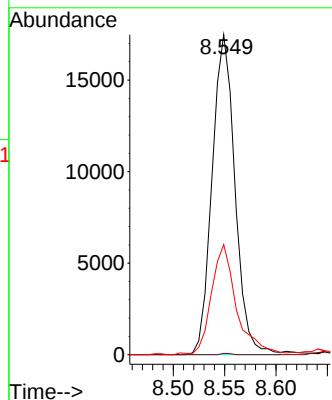
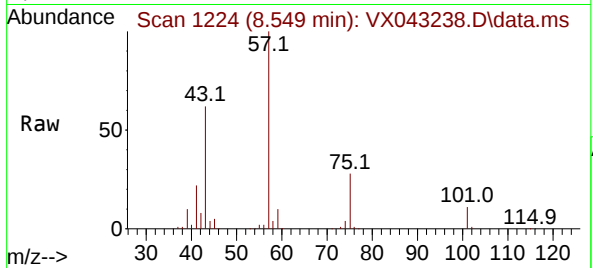




#54
cis-1,3-Dichloropropene
Concen: 15.540 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

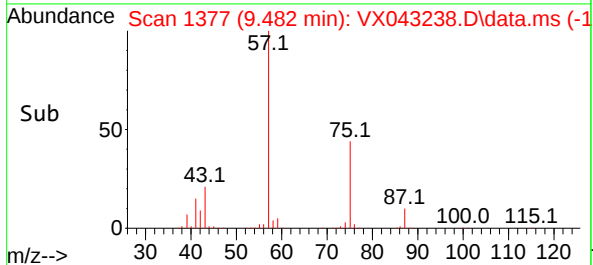
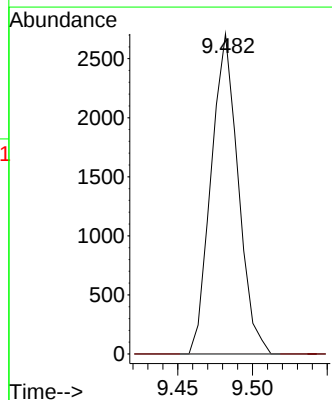
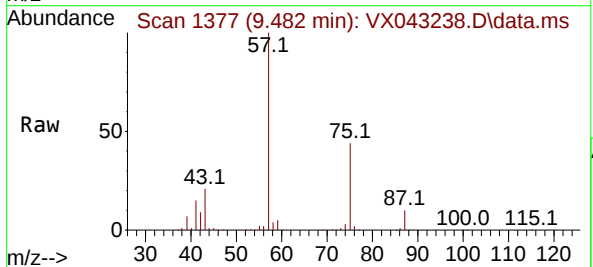
Instrument :
MSVOA_X
ClientSampleId :
TP1

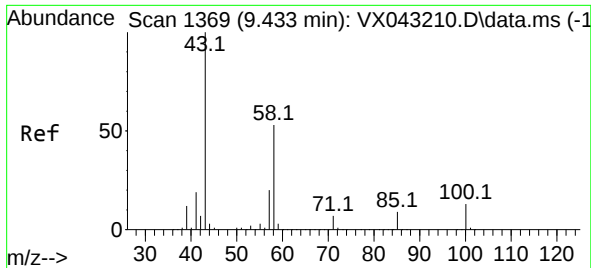
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.4	26.0	39.0#
39	33.8	45.8	68.8#



#57
1,3-Dichloropropane
Concen: 1.905 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

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

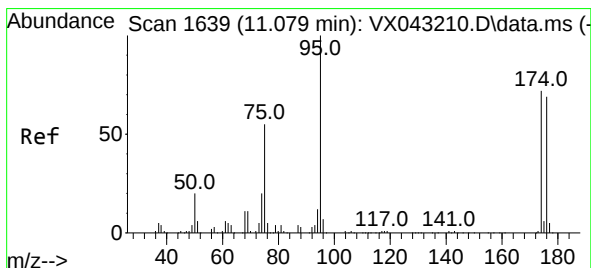
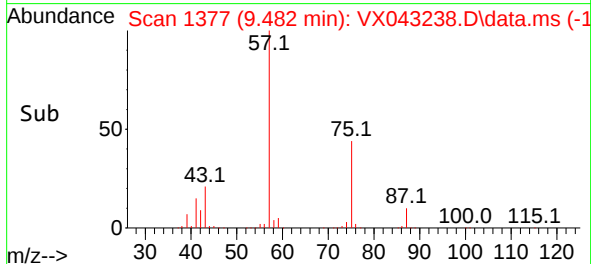
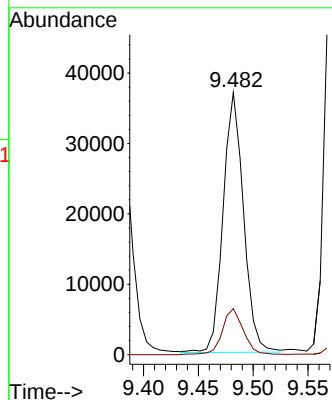
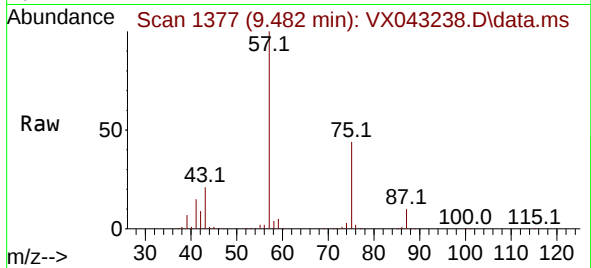




#59
2-Hexanone
Concen: 37.854 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

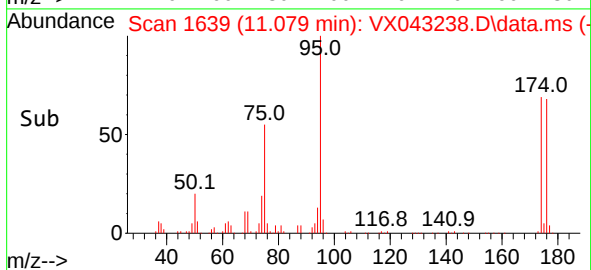
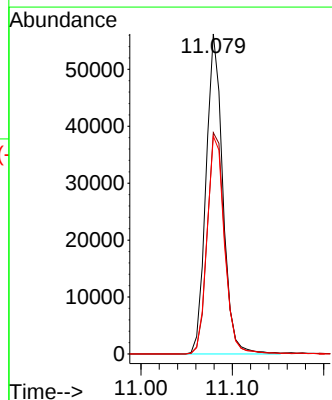
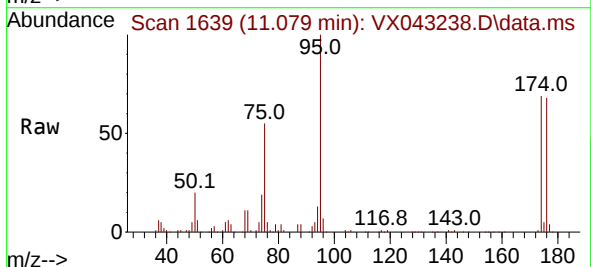
Instrument :
MSVOA_X
ClientSampleId :
TP1

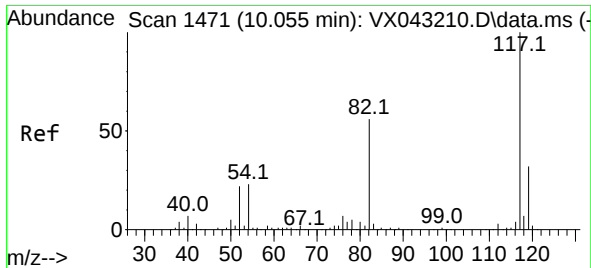
Tgt Ion: 43 Resp: 47933
Ion Ratio Lower Upper
43 100
58 18.4 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 51.643 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

Tgt Ion: 95 Resp: 71536
Ion Ratio Lower Upper
95 100
174 72.1 0.0 145.0
176 70.6 0.0 143.0

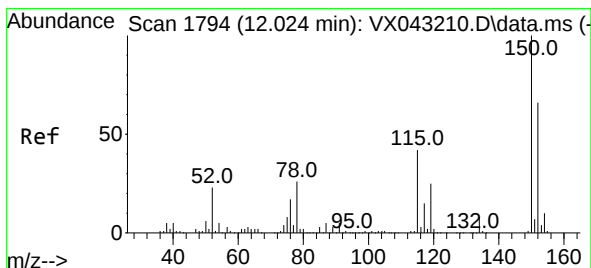
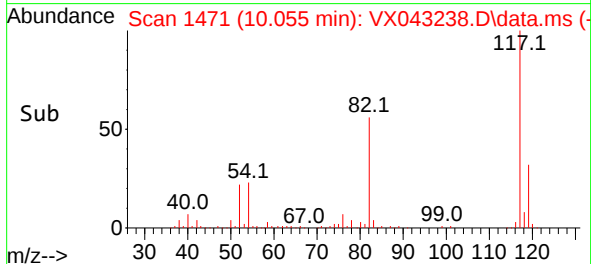
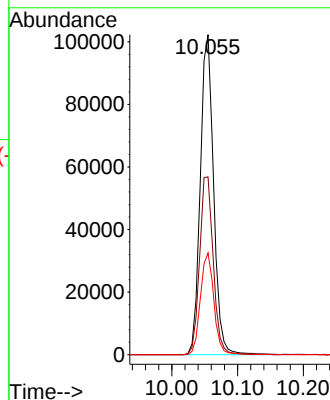
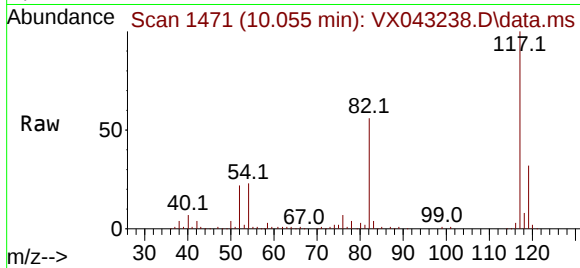




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

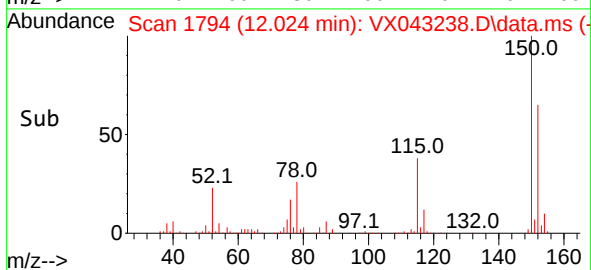
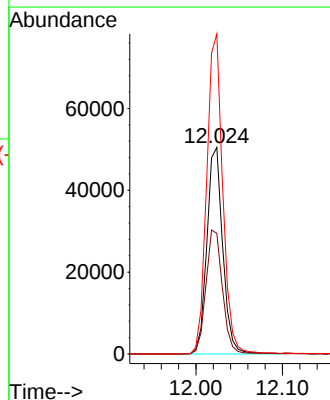
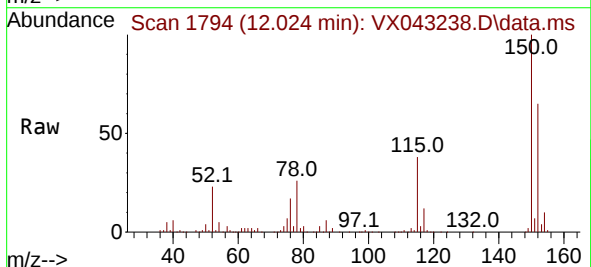
Instrument :
MSVOA_X
ClientSampleId :
TP1

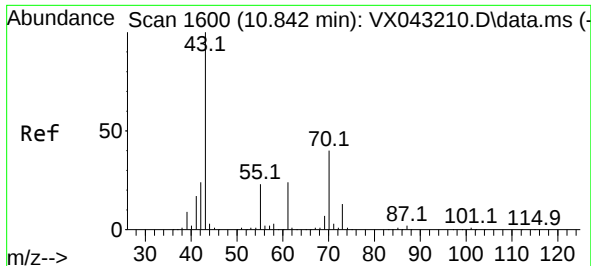
Tgt Ion:117 Resp: 144115
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.6
119 31.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

Tgt Ion:152 Resp: 64304
Ion Ratio Lower Upper
152 100
115 62.6 44.1 132.3
150 156.0 0.0 347.4

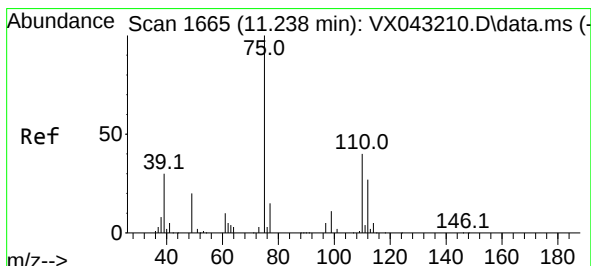
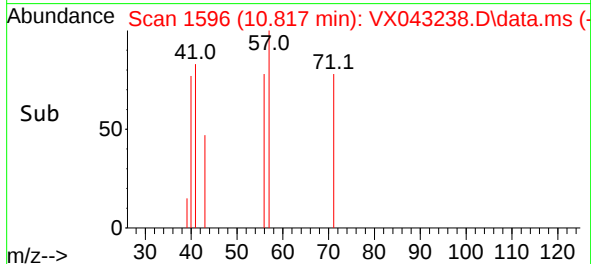
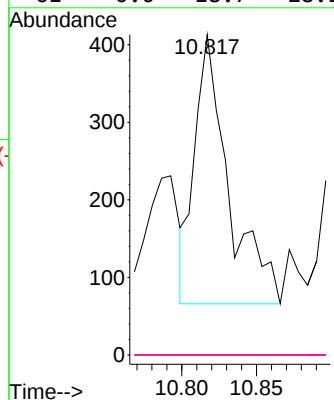
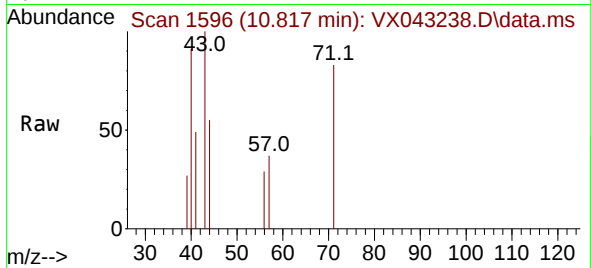




#74
N-amy1 acetate
Concen: 0.230 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.025 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

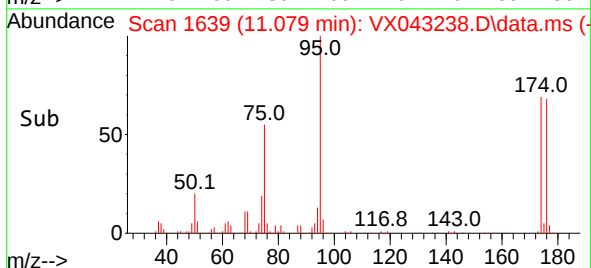
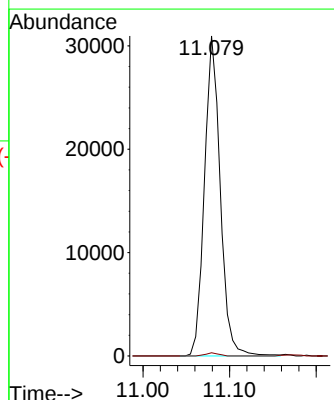
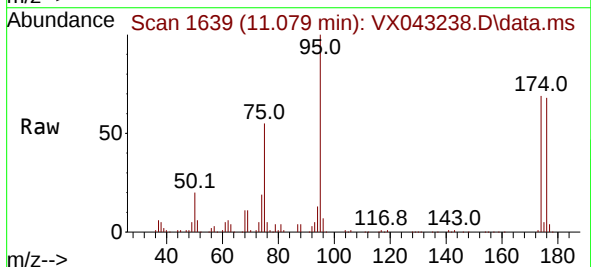
Instrument :
MSVOA_X
ClientSampleId :
TP1

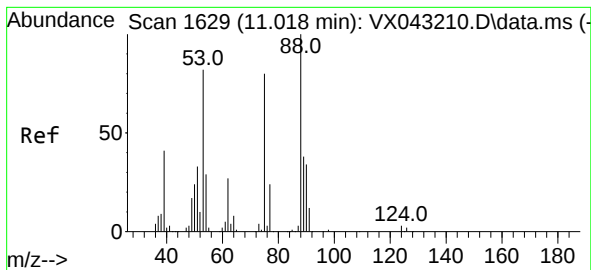
Tgt Ion:	43	Resp:	546
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.1	49.7#
55	0.0	18.6	27.8#
61	0.0	18.7	28.1#



#76
1,2,3-Trichloropropane
Concen: 27.524 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

Tgt Ion:	75	Resp:	39259
Ion	Ratio	Lower	Upper
75	100		
77	0.8	22.0	66.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 71.334 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043238.D
Acq: 02 Oct 2024 17:50

Instrument :
MSVOA_X
ClientSampleId :
TP1

Tgt Ion: 75 Resp: 39259
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

