

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120424\
 Data File : VX044110.D
 Acq On : 04 Dec 2024 12:35
 Operator : JC/MD
 Sample : VX1204MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 05 00:22:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

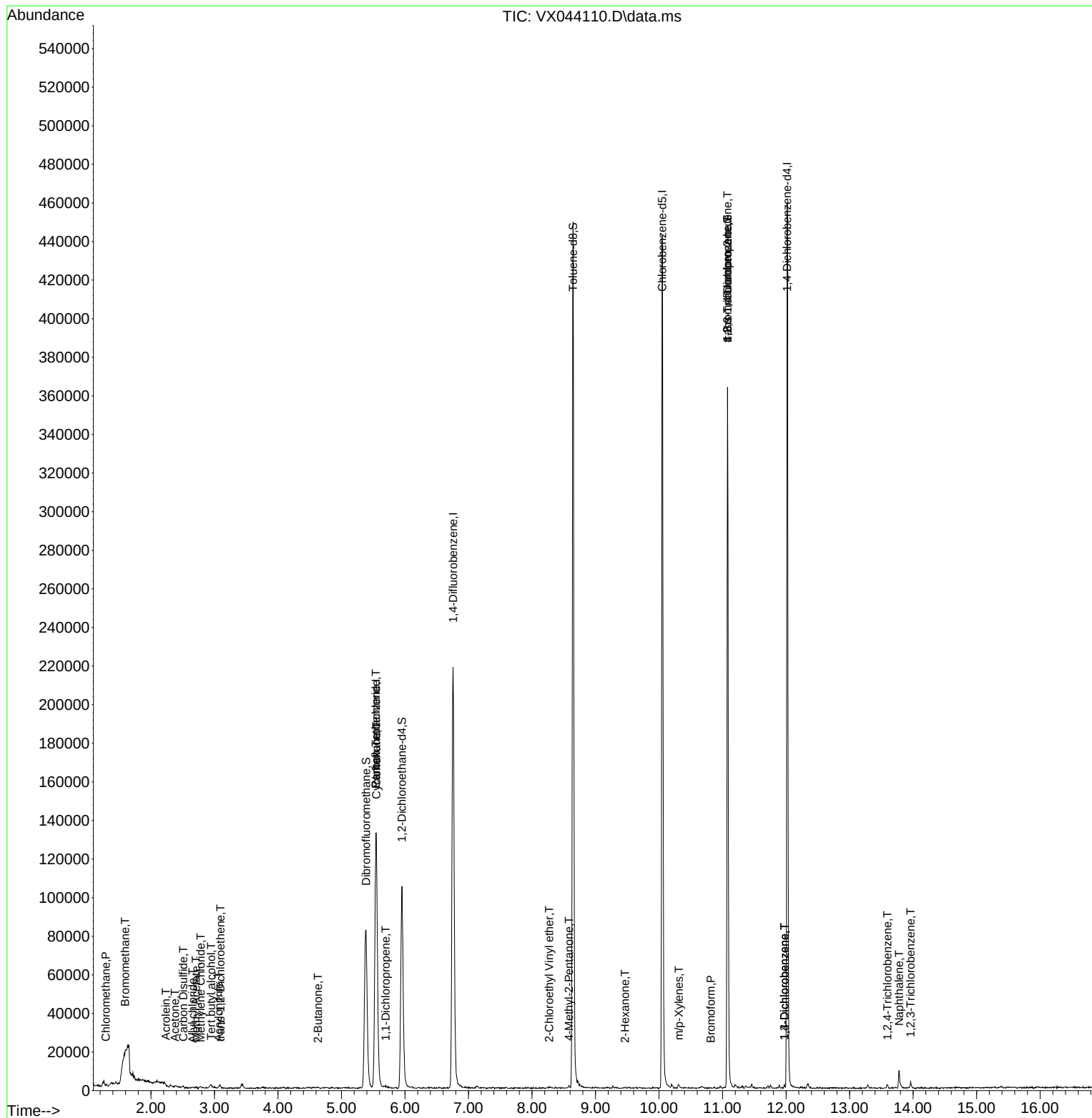
Internal Standards						
1) Pentafluorobenzene	5.544	168	112545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	217934	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	192076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	86115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98596	51.077	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.160%			
35) Dibromofluoromethane	5.385	113	71761	46.082	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.160%			
50) Toluene-d8	8.647	98	266107	49.573	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.140%			
62) 4-Bromofluorobenzene	11.079	95	94647	51.808	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.620%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	304	0.203	ug/l #	42
5) Bromomethane	1.593	94	721	0.734	ug/l #	55
11) Tert butyl alcohol	2.947	59	1325	4.276	ug/l #	73
13) Acrolein	2.233	56	355	1.087	ug/l #	81
14) Allyl chloride	2.654	41	651	0.307	ug/l #	44
15) Acrylonitrile	3.069	53	364	0.482	ug/l #	30
16) Acetone	2.380	43	1006	1.135	ug/l	96
17) Carbon Disulfide	2.508	76	1092	0.408	ug/l #	60
18) Methyl Acetate	2.709	43	549	0.266	ug/l #	76
20) Methylene Chloride	2.782	84	375	0.249	ug/l #	58
21) trans-1,2-Dichloroethene	3.093	96	415	0.310	ug/l #	78
25) 2-Butanone	4.629	43	500	0.437	ug/l #	50
31) Cyclohexane	5.550	56	3413	1.586	ug/l #	49
36) 1,1-Dichloropropene	5.696	75	436	0.225	ug/l #	53
38) Carbon Tetrachloride	5.544	117	13403	6.147	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	860	0.368	ug/l #	81
58) 2-Chloroethyl Vinyl ether	8.269	63	357	0.256	ug/l #	64
59) 2-Hexanone	9.464	43	379	0.216	ug/l	76
68) m/p-Xylenes	10.311	106	781	0.293	ug/l	85
71) Bromoform	10.817	173	101	1.305	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	55054	29.152	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	55054	79.550	ug/l #	7
87) 1,3-Dichlorobenzene	11.975	146	695	0.242	ug/l	95
88) 1,4-Dichlorobenzene	11.975	146	695	0.237	ug/l	95
93) 1,2,4-Trichlorobenzene	13.597	180	675	0.394	ug/l	90
95) Naphthalene	13.780	128	6914	1.122	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	729	0.421	ug/l	98

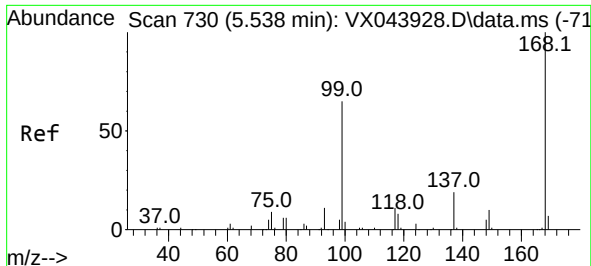
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VX1204MBL01
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 05 00:22:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. 0.006 min

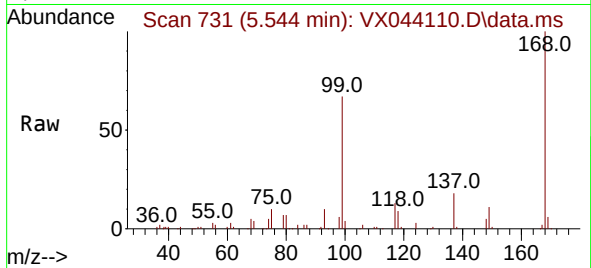
Lab File: VX044110.D

Acq: 04 Dec 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

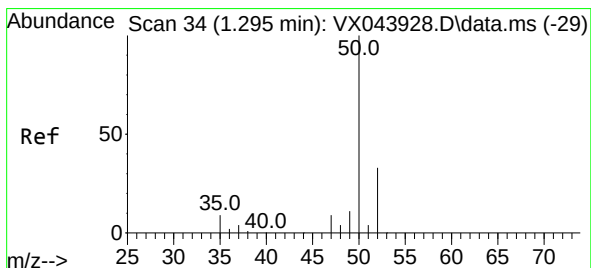
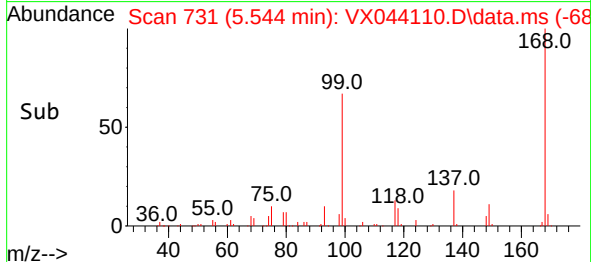
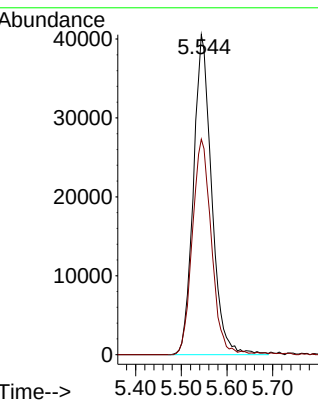


Tgt Ion:168 Resp: 112545

Ion Ratio Lower Upper

168 100

99 67.4 51.8 77.8



#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.288 min Scan# 33

Delta R.T. -0.006 min

Lab File: VX044110.D

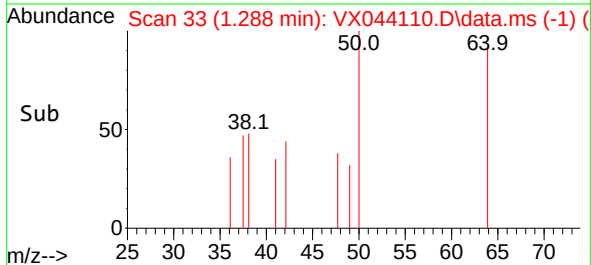
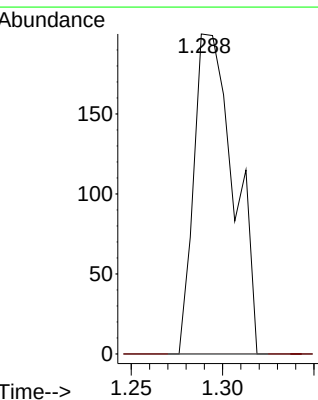
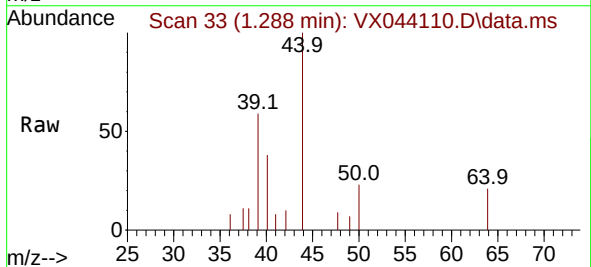
Acq: 04 Dec 2024 12:35

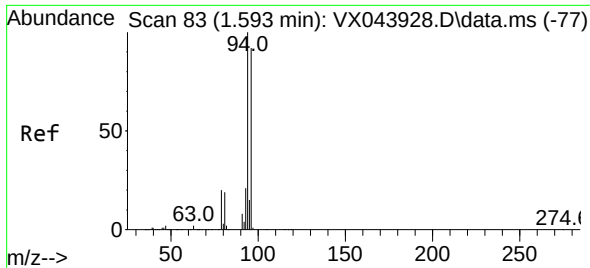
Tgt Ion: 50 Resp: 304

Ion Ratio Lower Upper

50 100

52 0.0 26.1 39.1#

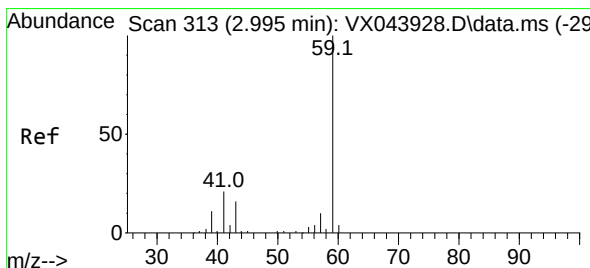
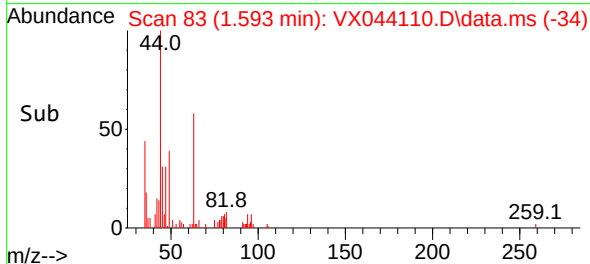
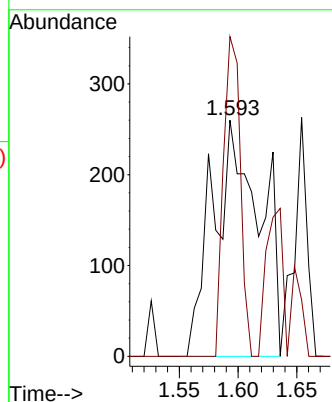
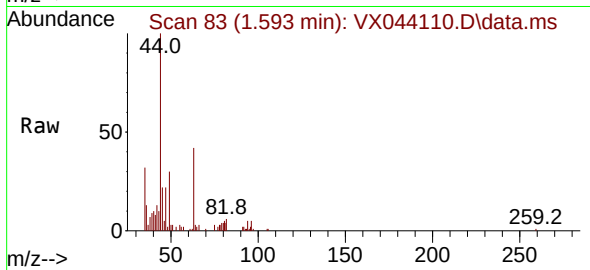




#5
Bromomethane
Concen: 0.734 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

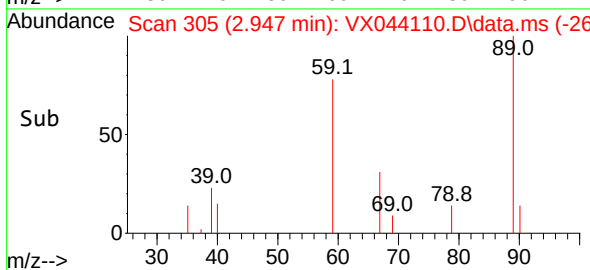
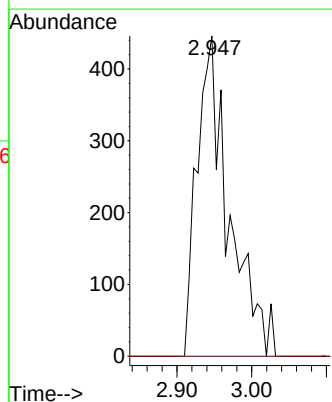
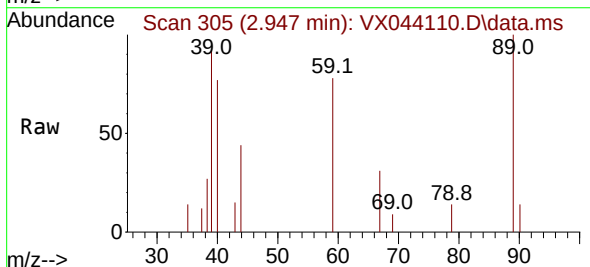
Instrument :
MSVOA_X
ClientSampleId :

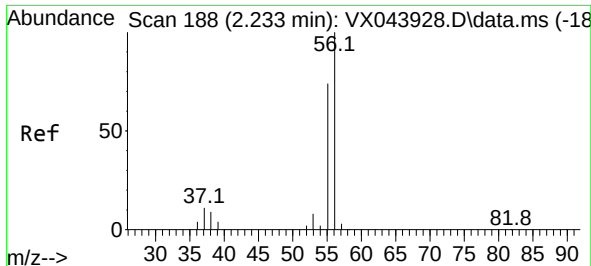
Tgt Ion: 94 Resp: 721
Ion Ratio Lower Upper
94 100
96 135.4 73.9 110.9#



#11
Tert butyl alcohol
Concen: 4.276 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

Tgt Ion: 59 Resp: 1325
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

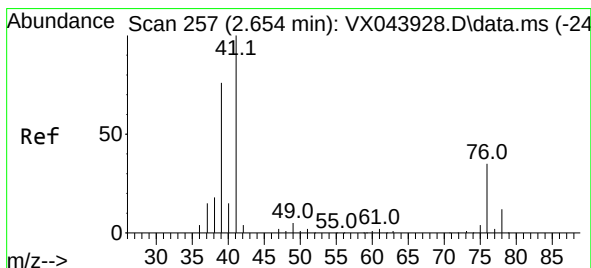
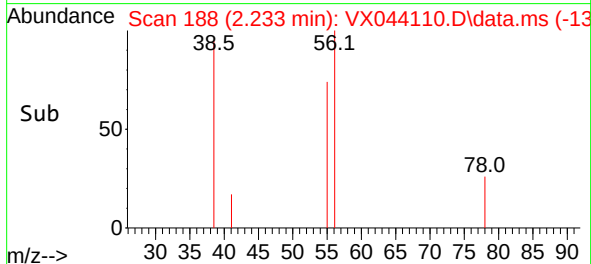
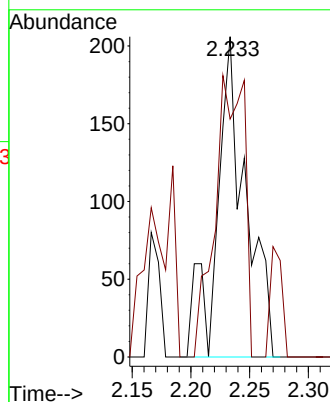
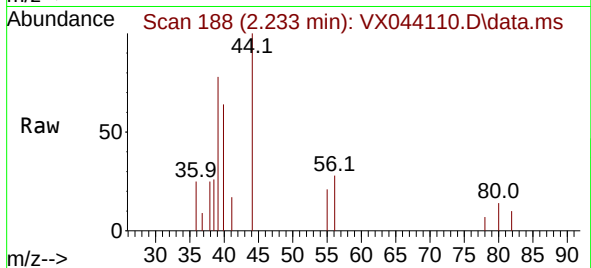




#13
Acrolein
Concen: 1.087 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

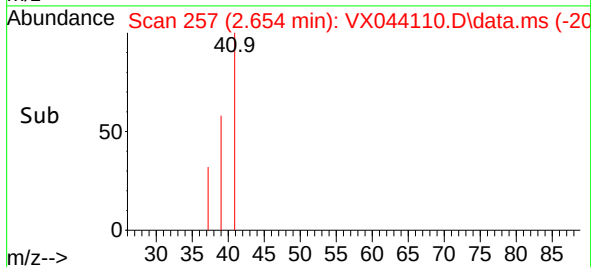
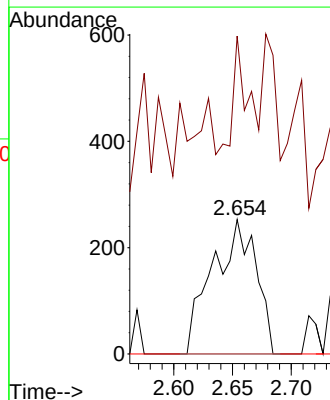
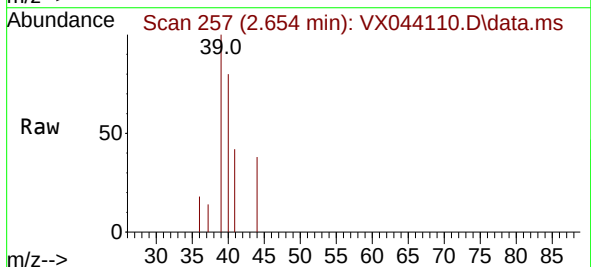
Instrument :
MSVOA_X
ClientSampleId :

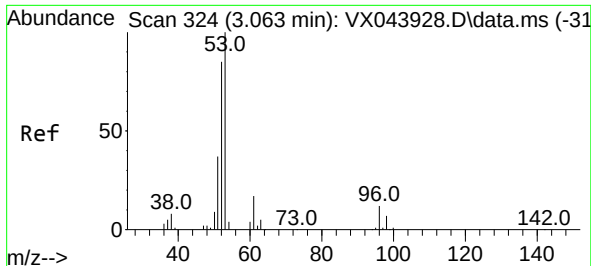
Tgt Ion: 56 Resp: 355
Ion Ratio Lower Upper
56 100
55 89.0 58.2 87.2#



#14
Allyl chloride
Concen: 0.307 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

Tgt Ion: 41 Resp: 651
Ion Ratio Lower Upper
41 100
39 28.4 59.5 89.3#
76 0.0 27.4 41.2#





#15

Acrylonitrile

Concen: 0.482 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

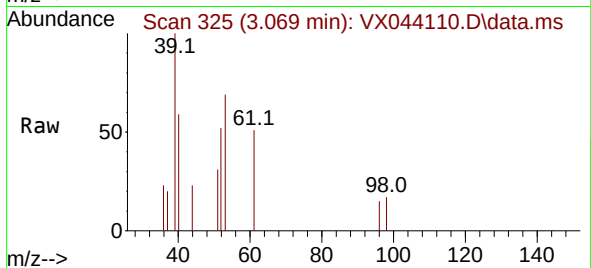
Lab File: VX044110.D

Acq: 04 Dec 2024 12:35

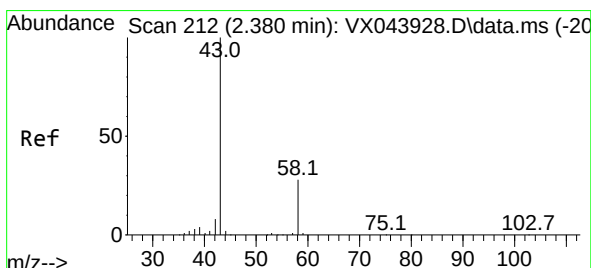
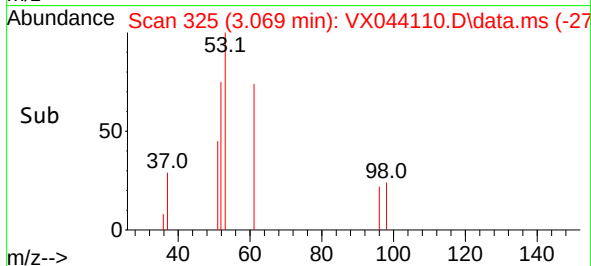
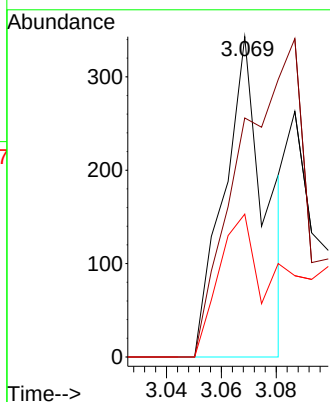
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 53	Resp: 364
Ion Ratio	Lower Upper
53	100
52	160.7 66.5 99.7#
51	59.1 30.2 45.4#



#16

Acetone

Concen: 1.135 ug/l

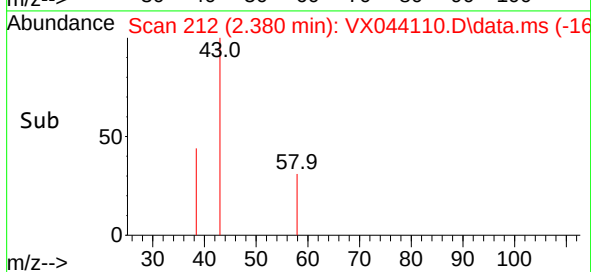
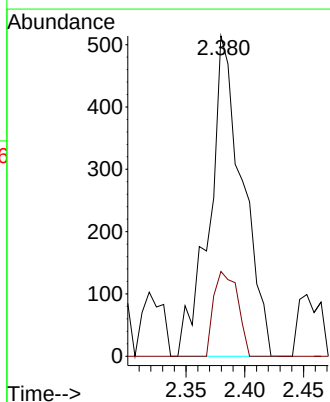
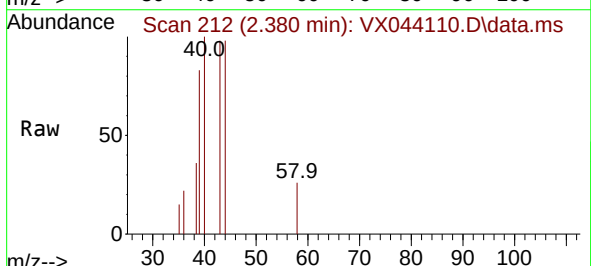
RT: 2.380 min Scan# 212

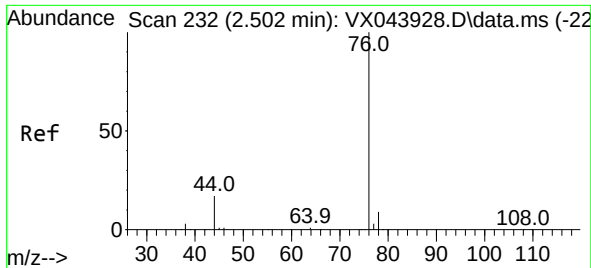
Delta R.T. -0.000 min

Lab File: VX044110.D

Acq: 04 Dec 2024 12:35

Tgt Ion: 43	Resp: 1006
Ion Ratio	Lower Upper
43	100
58	26.5 22.7 34.1

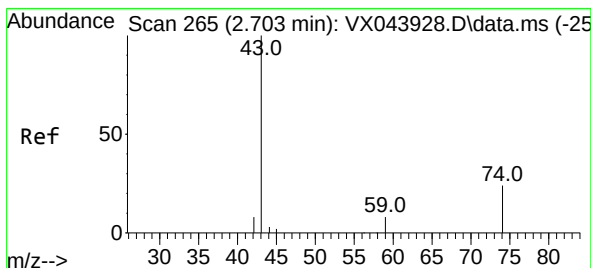
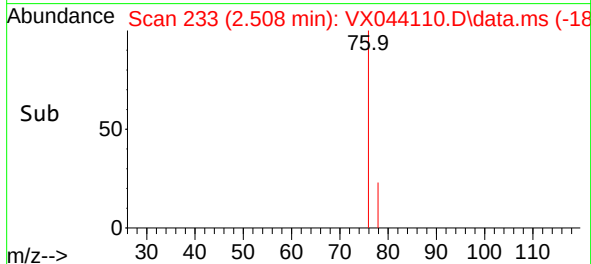
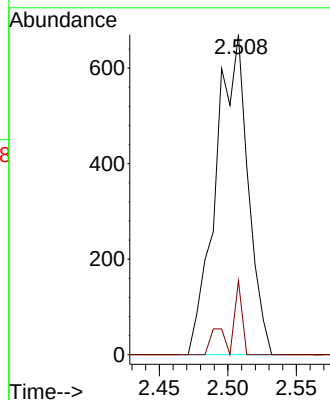
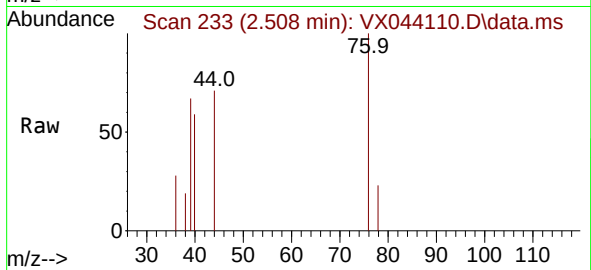




#17
Carbon Disulfide
Concen: 0.408 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

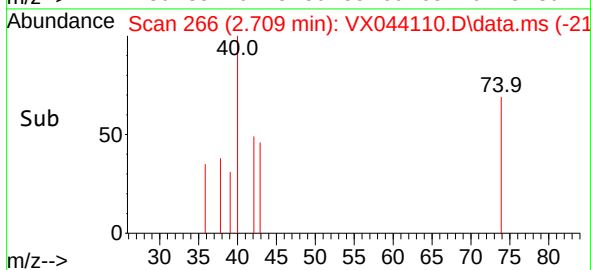
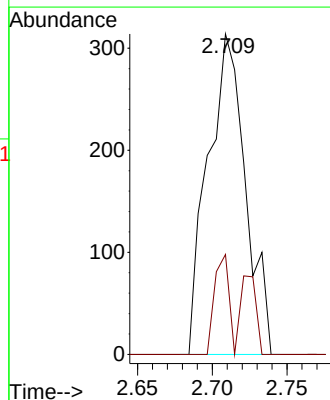
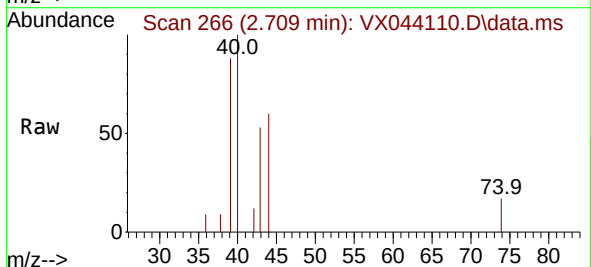
Instrument :
MSVOA_X
ClientSampleId :

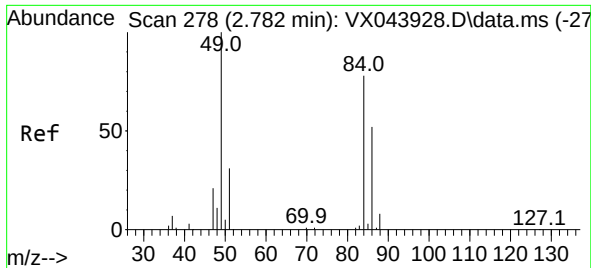
Tgt Ion: 76 Resp: 1092
Ion Ratio Lower Upper
76 100
78 23.1 7.0 10.6#



#18
Methyl Acetate
Concen: 0.266 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

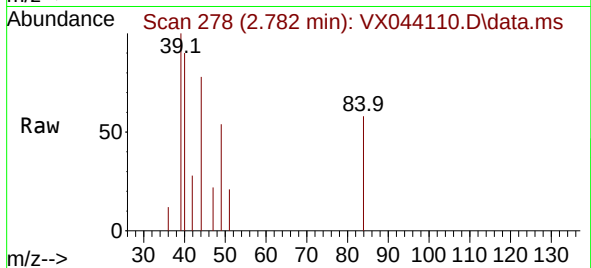
Tgt Ion: 43 Resp: 549
Ion Ratio Lower Upper
43 100
74 11.8 18.9 28.3#



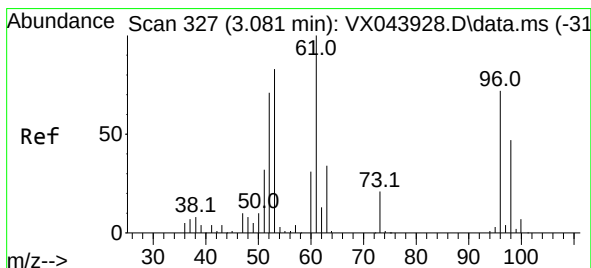
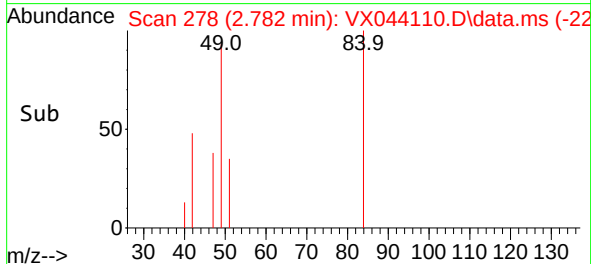
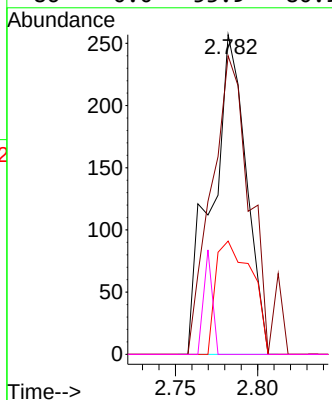


#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

Instrument :
MSVOA_X
ClientSampleId :

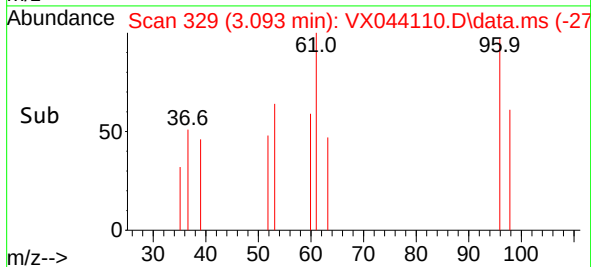
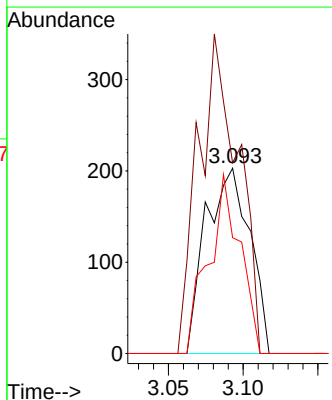
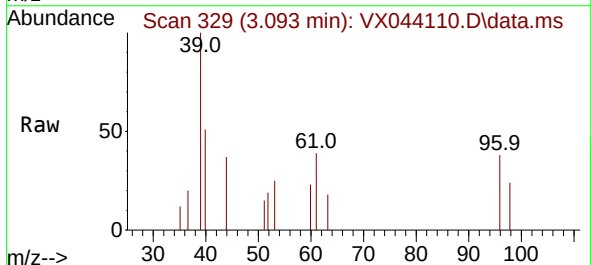


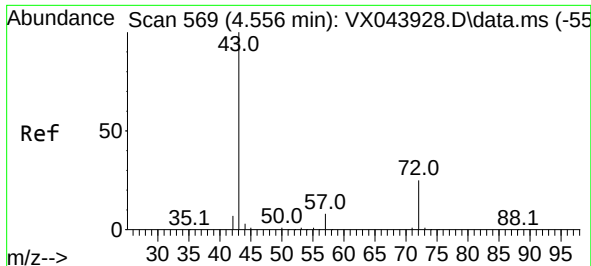
Tgt Ion:	84	Resp:	375
Ion	Ratio	Lower	Upper
84	100		
49	93.4	102.7	154.1#
51	35.4	31.7	47.5
86	0.0	53.9	80.9#



#21
trans-1,2-Dichloroethene
Concen: 0.310 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.012 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

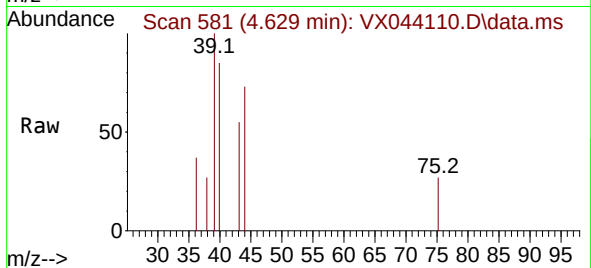
Tgt Ion:	96	Resp:	415
Ion	Ratio	Lower	Upper
96	100		
61	103.0	111.8	167.6#
98	62.6	52.7	79.1



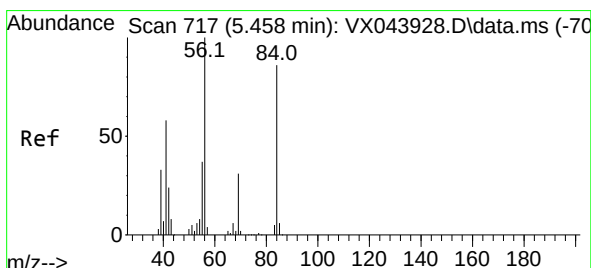
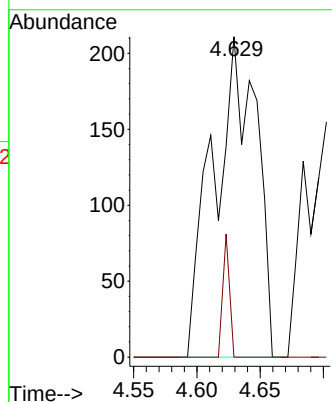
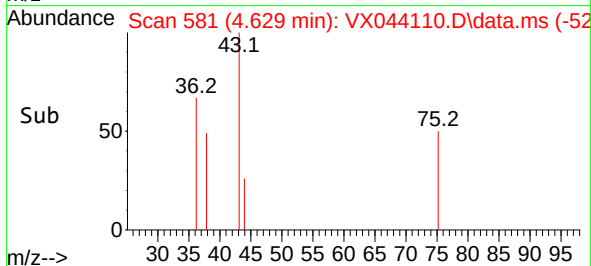


#25
2-Butanone
Concen: 0.437 ug/l
RT: 4.629 min Scan# 51
Delta R.T. 0.073 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

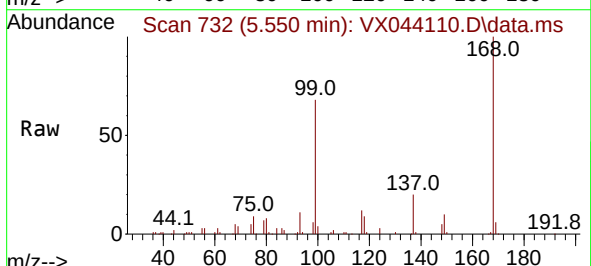
Instrument :
MSVOA_X
ClientSampleId :



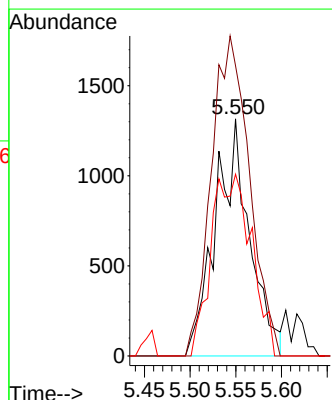
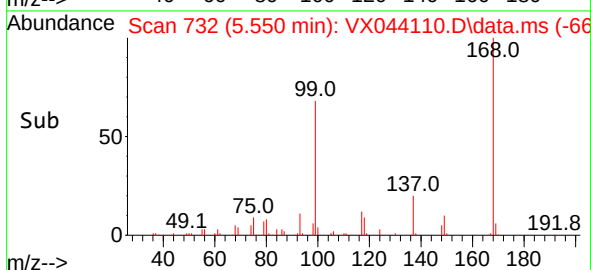
Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#

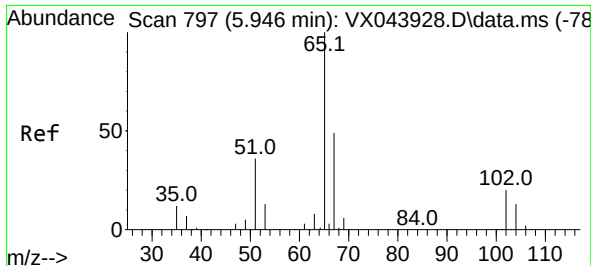


#31
Cyclohexane
Concen: 1.586 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.091 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35



Tgt Ion: 56 Resp: 3413
Ion Ratio Lower Upper
56 100
69 122.3 24.7 37.1#
84 76.7 68.7 103.1

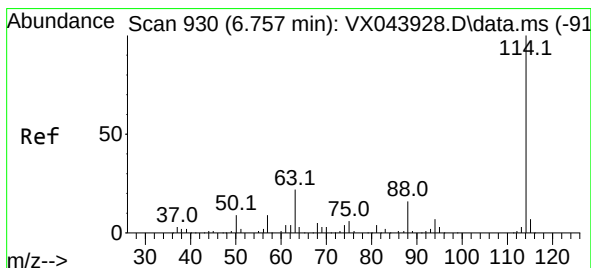
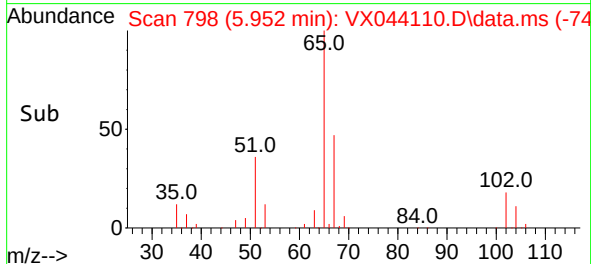
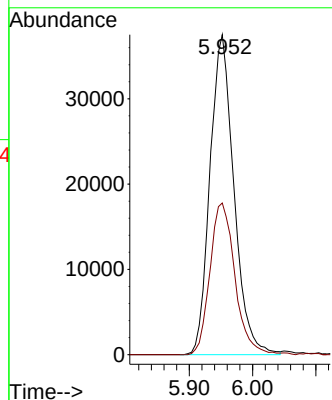
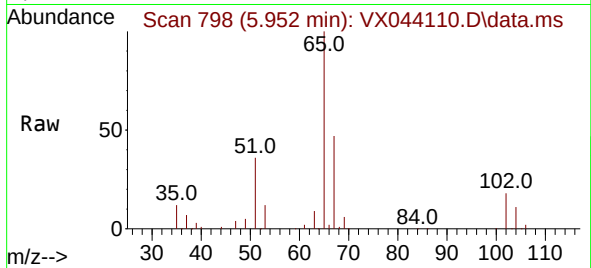




#33
 1,2-Dichloroethane-d4
 Concen: 51.077 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX044110.D
 Acq: 04 Dec 2024 12:35

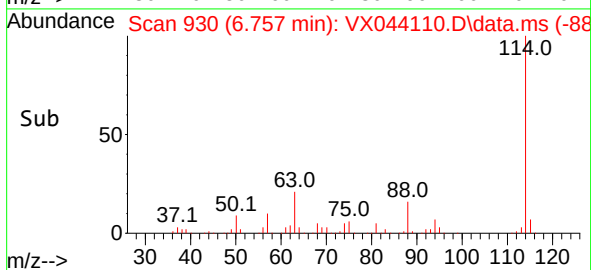
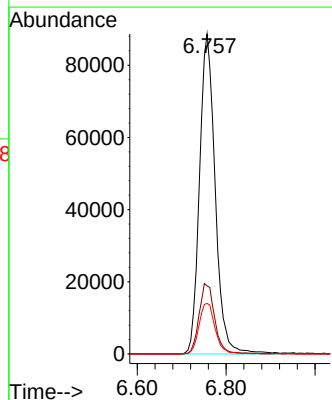
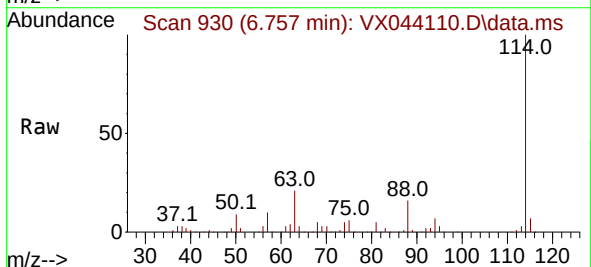
Instrument :
 MSVOA_X
 ClientSampleId :

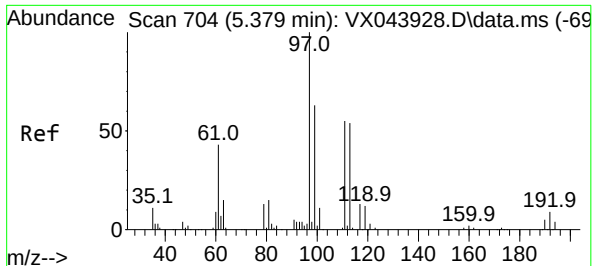
Tgt Ion: 65 Resp: 98596
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX044110.D
 Acq: 04 Dec 2024 12:35

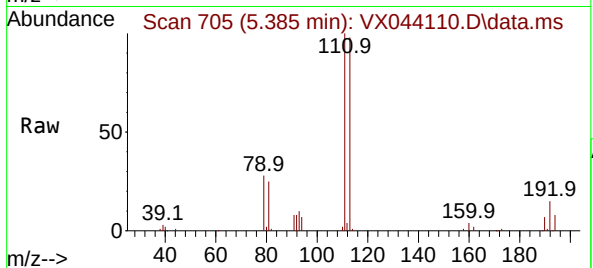
Tgt Ion: 114 Resp: 217934
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 44.0
 88 15.8 0.0 32.4



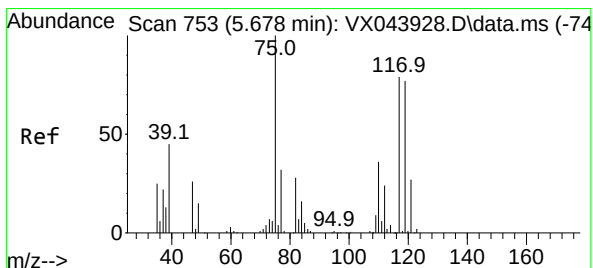
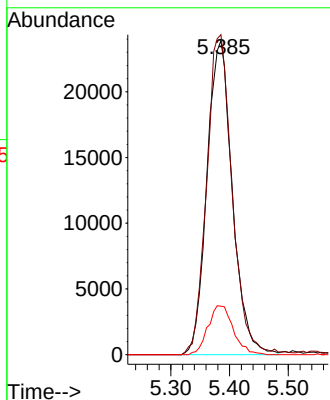
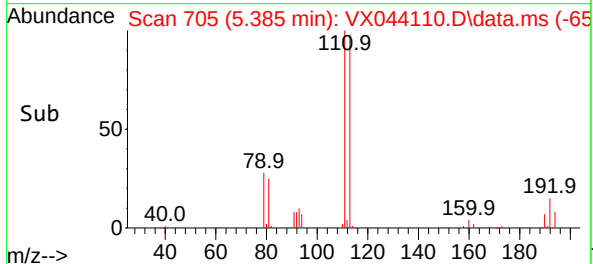


#35
Dibromofluoromethane
Concen: 46.082 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

Instrument :
MSVOA_X
ClientSampleId :

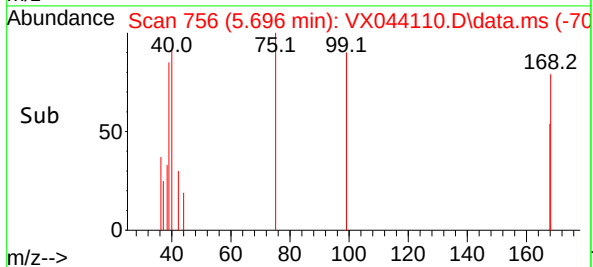
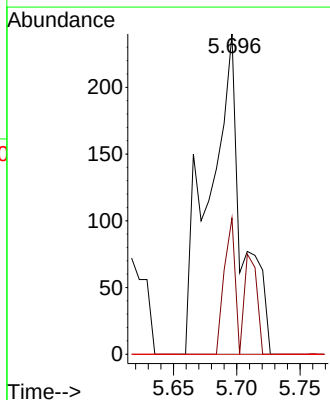
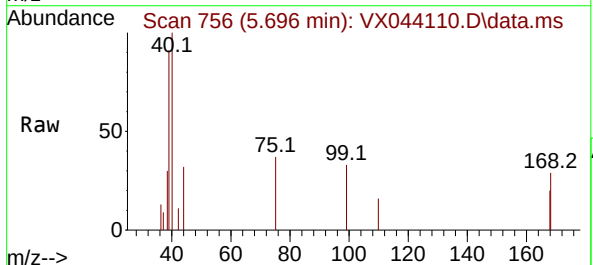


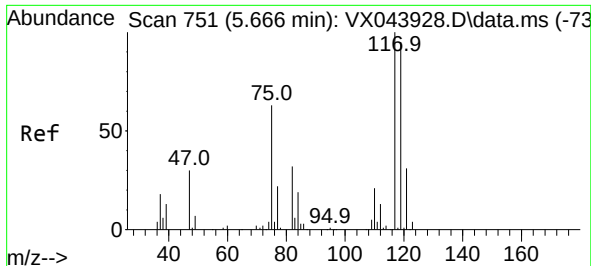
Tgt Ion:113 Resp: 71761
Ion Ratio Lower Upper
113 100
111 102.3 81.0 121.4
192 15.5 13.0 19.6



#36
1,1-Dichloropropene
Concen: 0.225 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.018 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

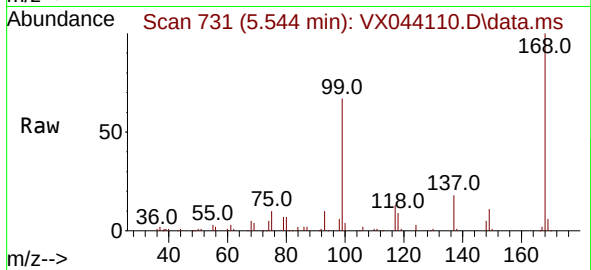
Tgt Ion: 75 Resp: 436
Ion Ratio Lower Upper
75 100
110 13.8 17.4 52.2#
77 0.0 25.8 38.8#



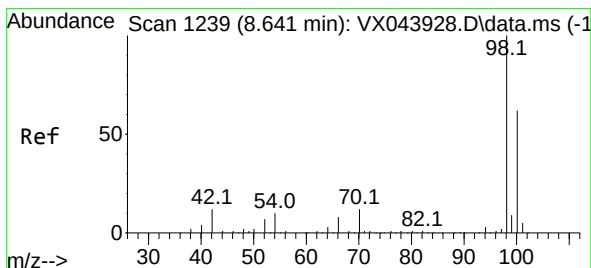
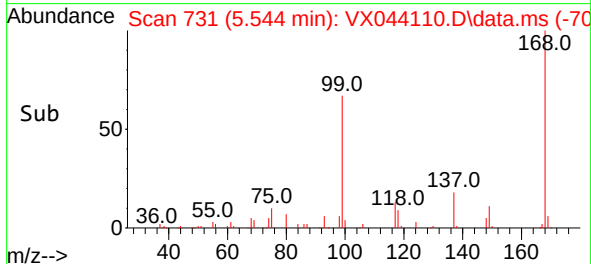
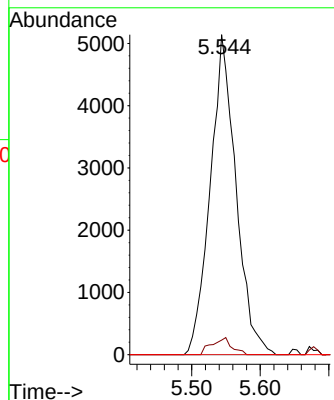


#38
Carbon Tetrachloride
Concen: 6.147 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

Instrument :
MSVOA_X
ClientSampleId :

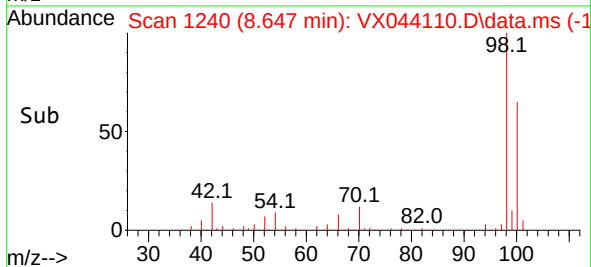
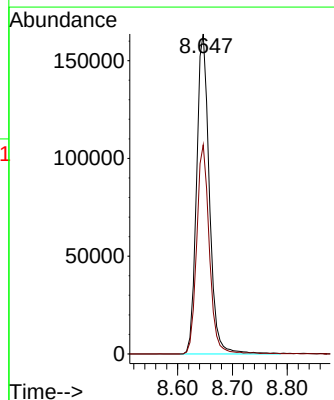
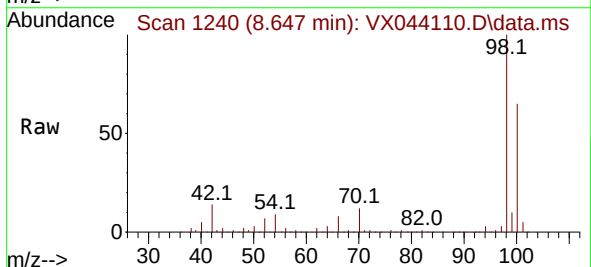


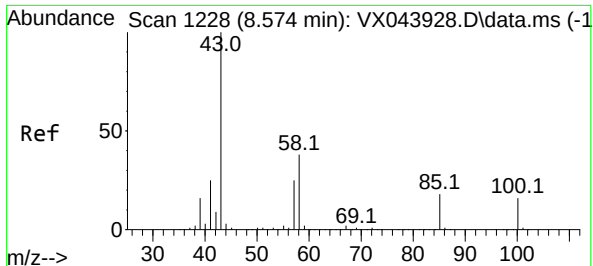
Tgt Ion:117 Resp: 13403
Ion Ratio Lower Upper
117 100
119 4.6 75.2 112.8#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.573 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

Tgt Ion: 98 Resp: 266107
Ion Ratio Lower Upper
98 100
100 64.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 0.368 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX044110.D

Acq: 04 Dec 2024 12:35

Instrument :

MSVOA_X

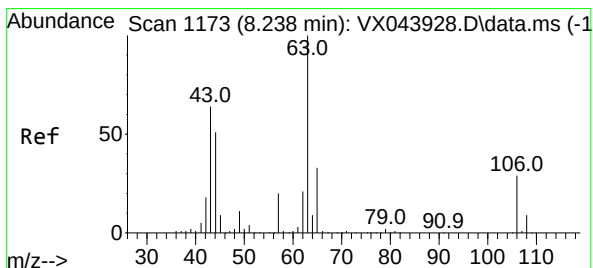
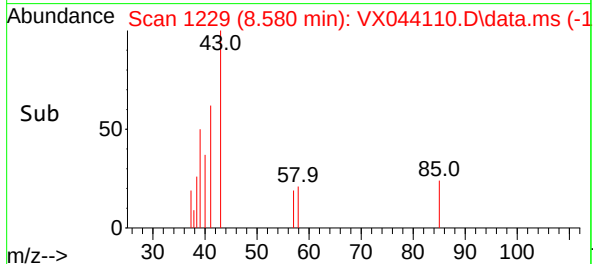
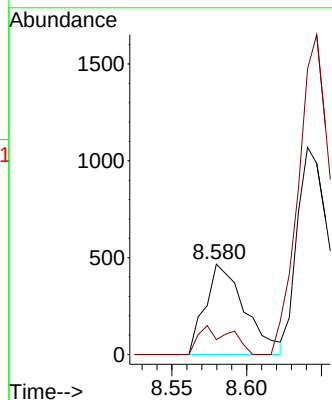
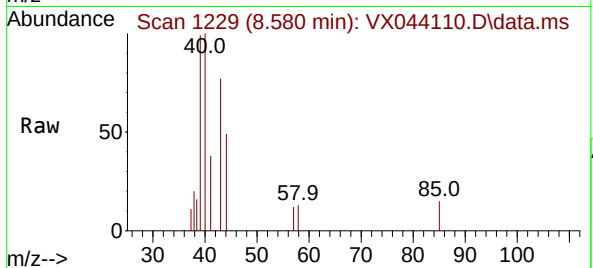
ClientSampleId :

Tgt Ion: 43 Resp: 860

Ion Ratio Lower Upper

43 100

58 25.8 30.0 45.0#



#58

2-Chloroethyl Vinyl ether

Concen: 0.256 ug/l

RT: 8.269 min Scan# 1178

Delta R.T. 0.030 min

Lab File: VX044110.D

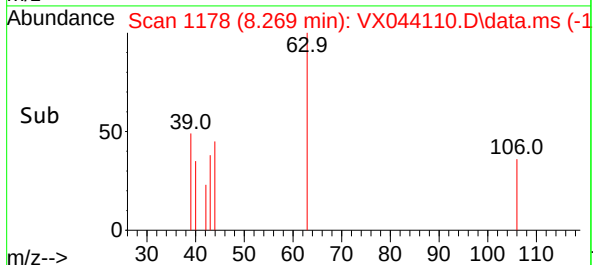
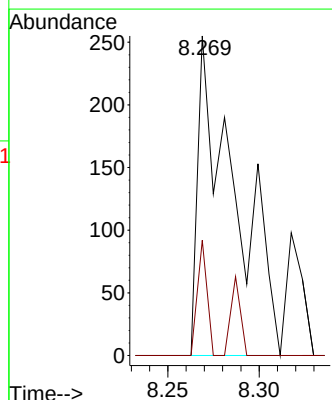
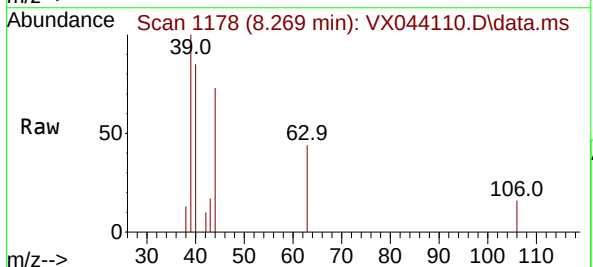
Acq: 04 Dec 2024 12:35

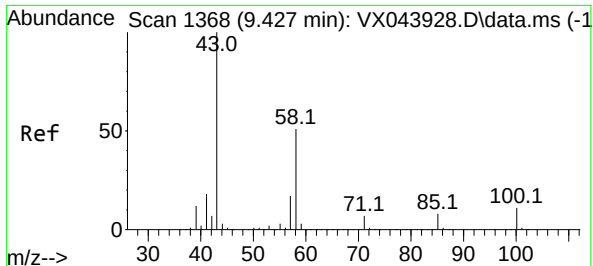
Tgt Ion: 63 Resp: 357

Ion Ratio Lower Upper

63 100

106 9.5 23.0 34.6#





#59

2-Hexanone

Concen: 0.216 ug/l

RT: 9.464 min Scan# 11

Delta R.T. 0.036 min

Lab File: VX044110.D

Acq: 04 Dec 2024 12:35

Instrument :

MSVOA_X

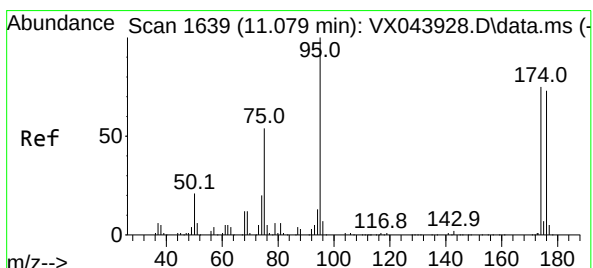
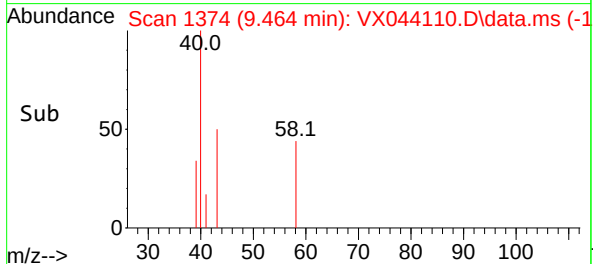
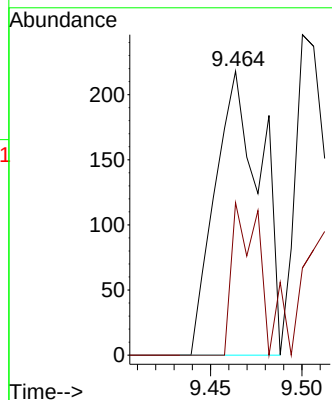
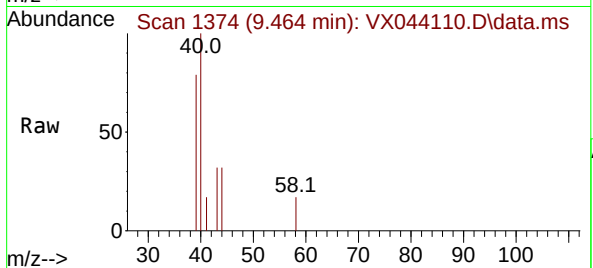
ClientSampleId :

Tgt Ion: 43 Resp: 379

Ion Ratio Lower Upper

43 100

58 34.8 25.9 77.6



#62

4-Bromofluorobenzene

Concen: 51.808 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044110.D

Acq: 04 Dec 2024 12:35

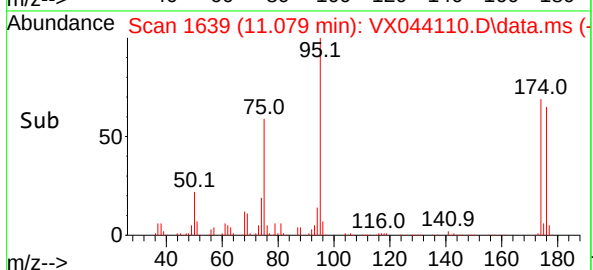
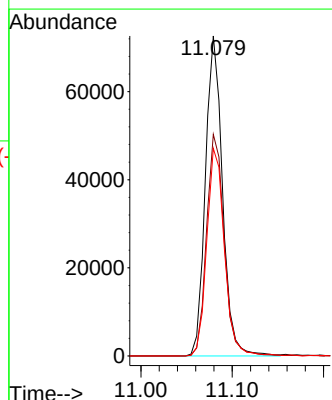
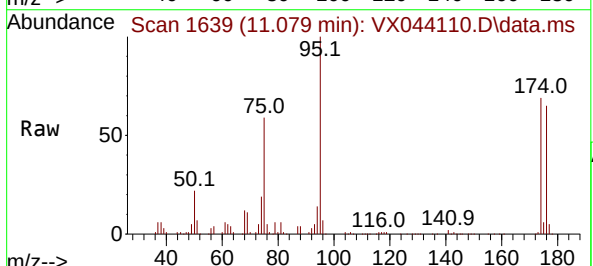
Tgt Ion: 95 Resp: 94647

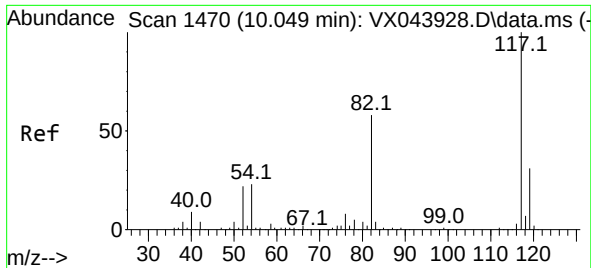
Ion Ratio Lower Upper

95 100

174 71.4 0.0 150.4

176 67.1 0.0 146.0

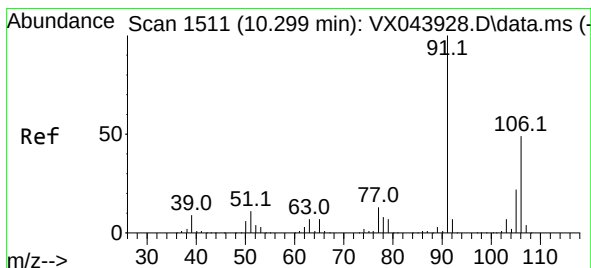
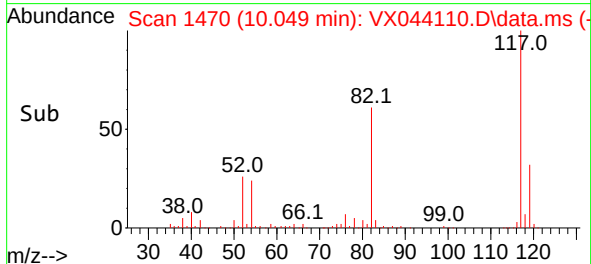
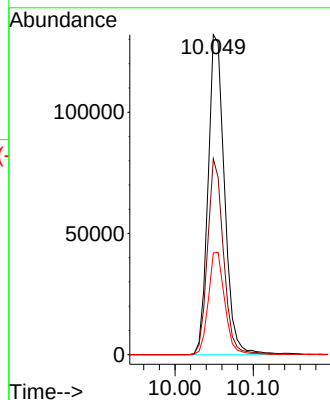
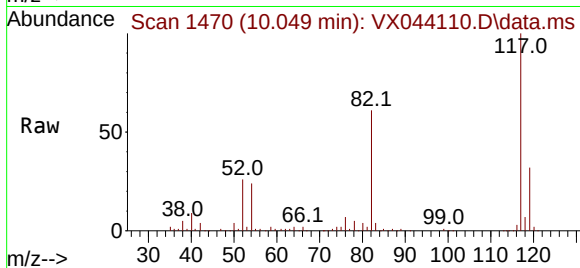




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

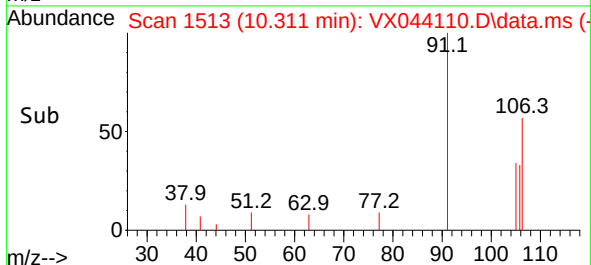
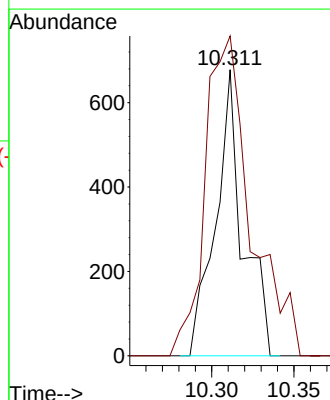
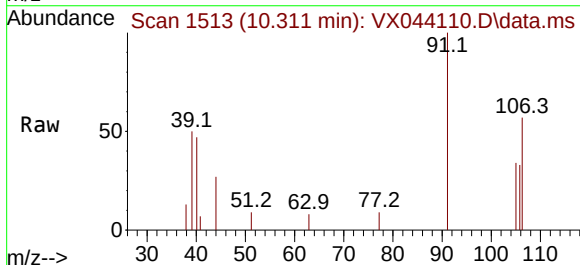
Instrument :
MSVOA_X
ClientSampleId :

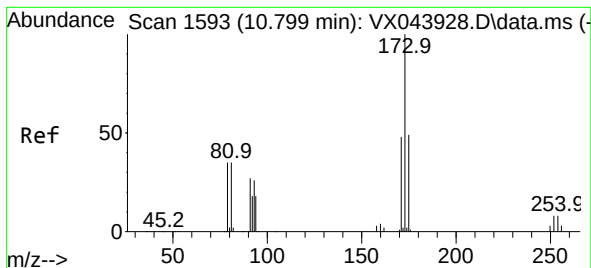
Tgt Ion:117 Resp: 192076
Ion Ratio Lower Upper
117 100
82 61.3 46.4 69.6
119 31.8 24.6 37.0



#68
m/p-Xylenes
Concen: 0.293 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

Tgt Ion:106 Resp: 781
Ion Ratio Lower Upper
106 100
91 186.4 168.1 252.1





#71

Bromoform

Concen: 1.305 ug/l

RT: 10.817 min Scan# 1

Delta R.T. 0.018 min

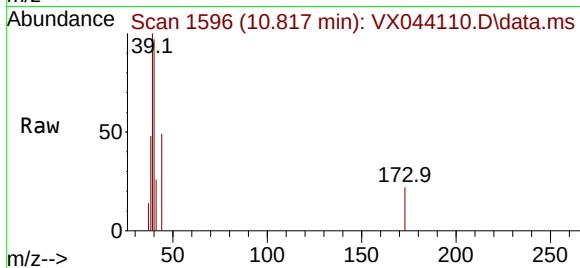
Lab File: VX044110.D

Acq: 04 Dec 2024 12:35

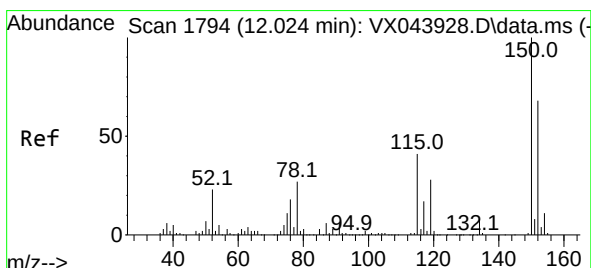
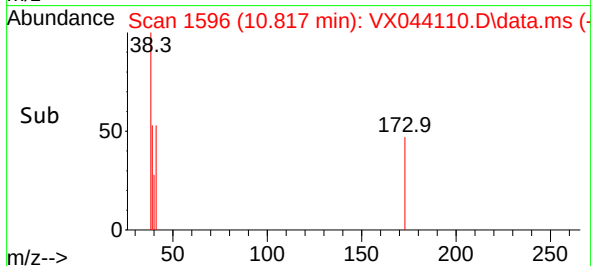
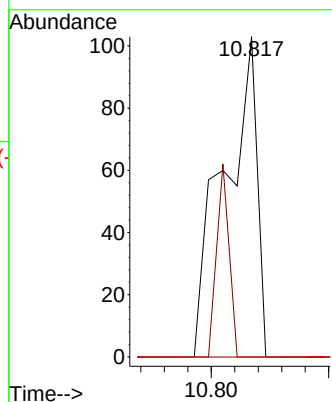
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	173	Resp:	101
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

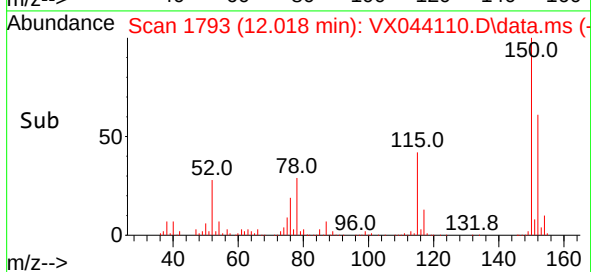
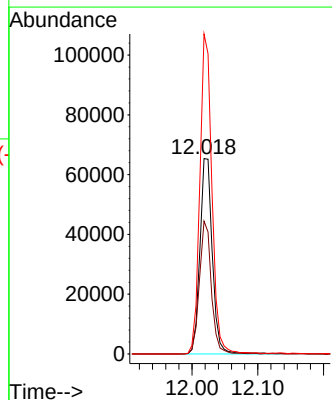
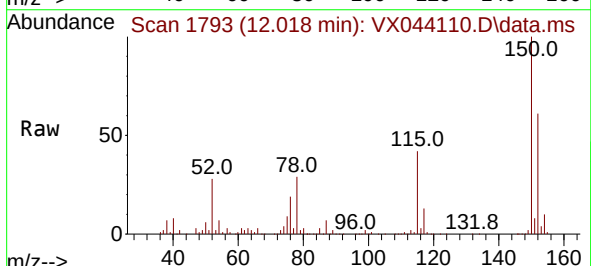
RT: 12.018 min Scan# 1793

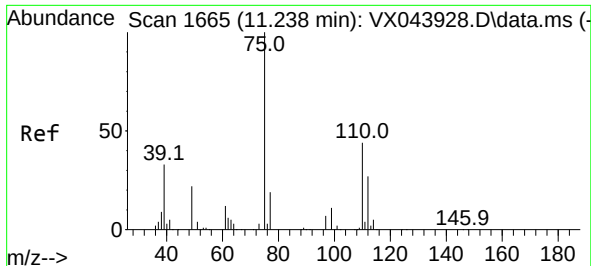
Delta R.T. -0.006 min

Lab File: VX044110.D

Acq: 04 Dec 2024 12:35

Tgt Ion:	152	Resp:	86115
Ion Ratio	Lower	Upper	
152	100		
115	65.0	45.4	136.2
150	158.7	0.0	353.0

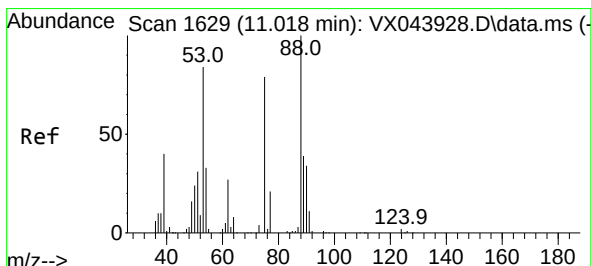
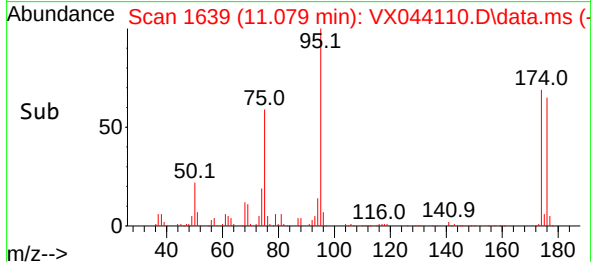
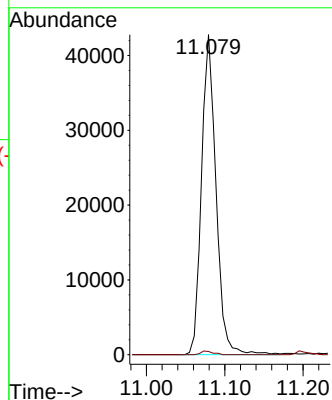
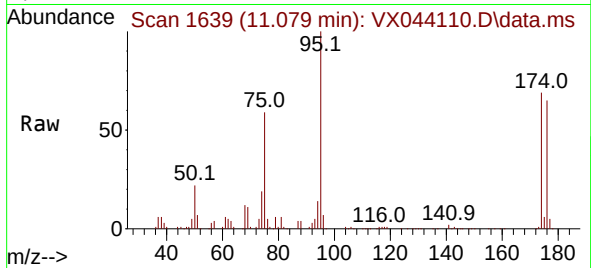




#76
1,2,3-Trichloropropane
Concen: 29.152 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

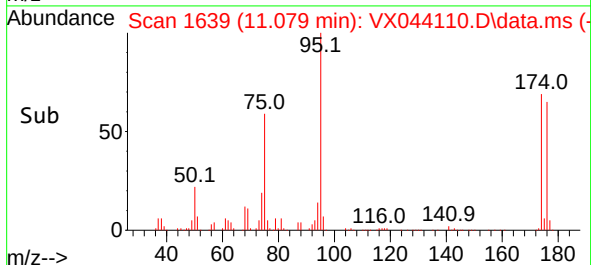
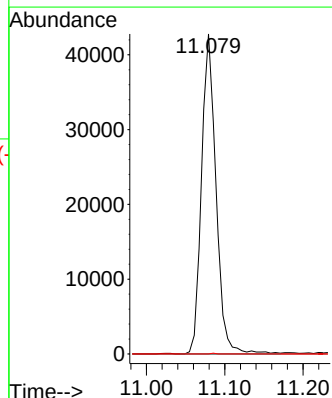
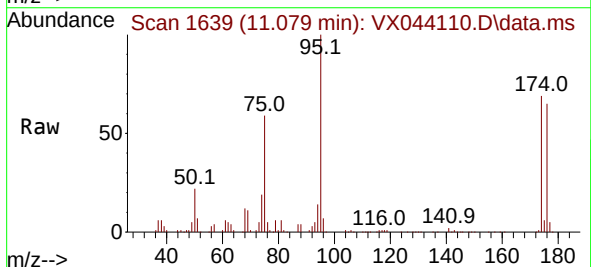
Instrument :
MSVOA_X
ClientSampleId :

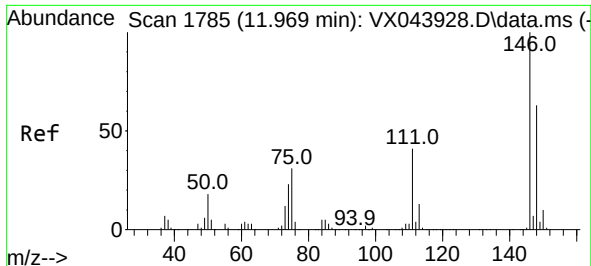
Tgt Ion: 75 Resp: 55054
Ion Ratio Lower Upper
75 100
77 0.9 21.8 65.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

Tgt Ion: 75 Resp: 55054
Ion Ratio Lower Upper
75 100
53 0.0 86.7 130.1#
89 0.1 38.2 57.2#





#87

1,3-Dichlorobenzene

Concen: 0.242 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX044110.D

Acq: 04 Dec 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

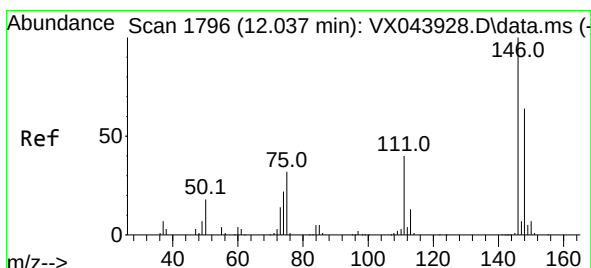
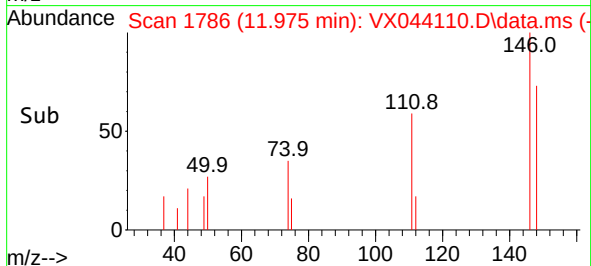
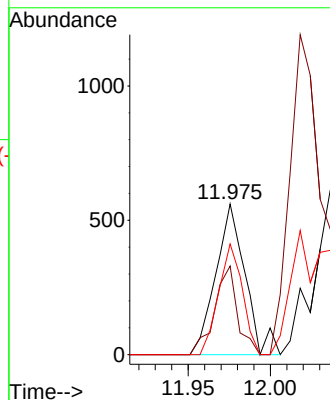
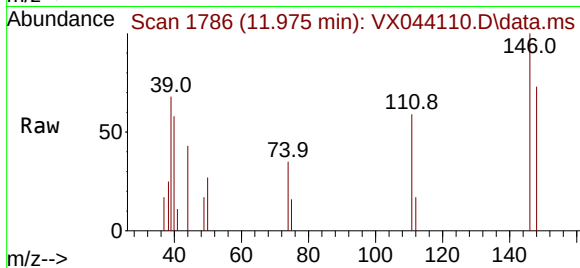
Tgt Ion:146 Resp: 695

Ion Ratio Lower Upper

146 100

111 46.0 21.1 63.3

148 59.7 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.237 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.061 min

Lab File: VX044110.D

Acq: 04 Dec 2024 12:35

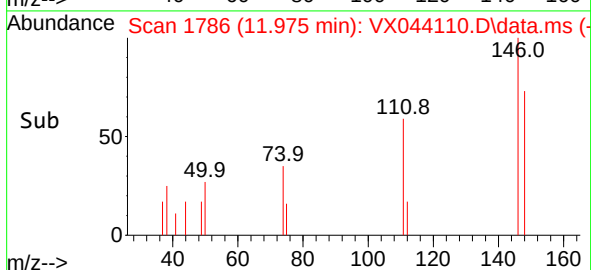
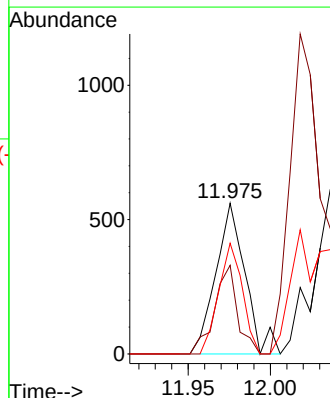
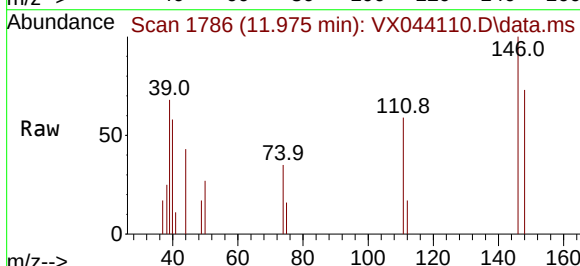
Tgt Ion:146 Resp: 695

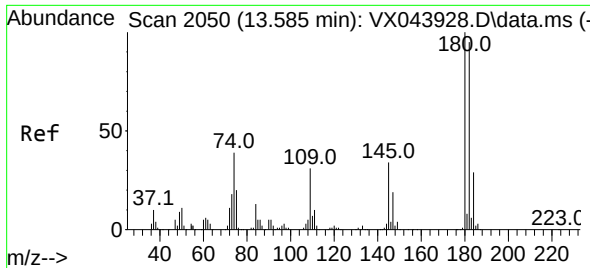
Ion Ratio Lower Upper

146 100

111 46.0 20.1 60.3

148 59.7 30.9 92.8

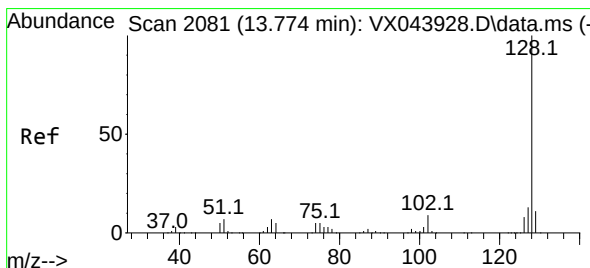
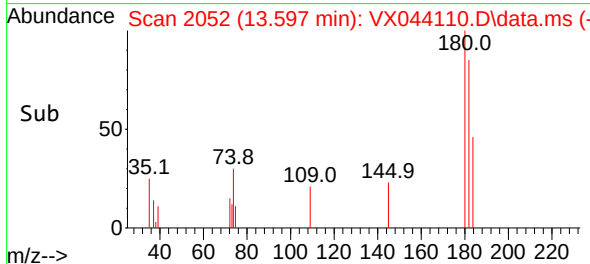
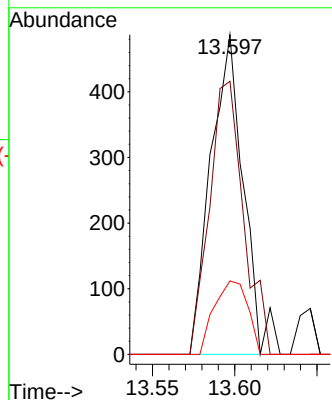
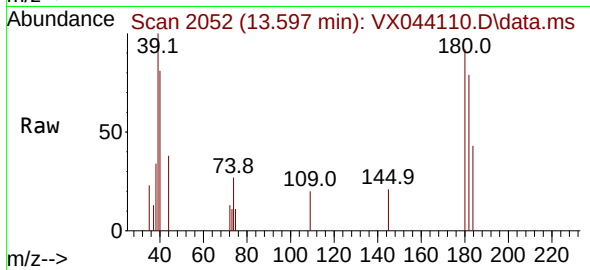




#93
1,2,4-Trichlorobenzene
Concen: 0.394 ug/l
RT: 13.597 min Scan# 2050
Delta R.T. 0.012 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

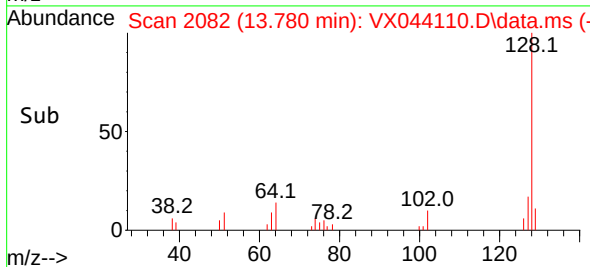
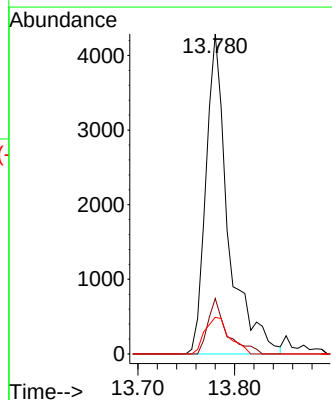
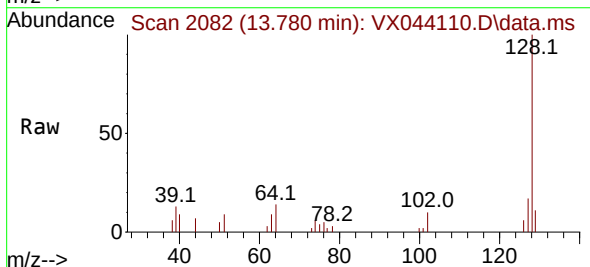
Instrument :
MSVOA_X
ClientSampleId :

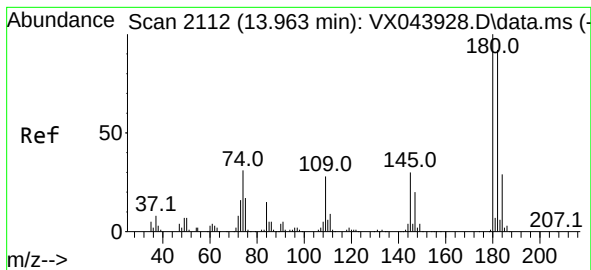
Tgt Ion:180 Resp: 675
Ion Ratio Lower Upper
180 100
182 88.7 48.0 144.2
145 23.4 16.8 50.4



#95
Naphthalene
Concen: 1.122 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX044110.D
Acq: 04 Dec 2024 12:35

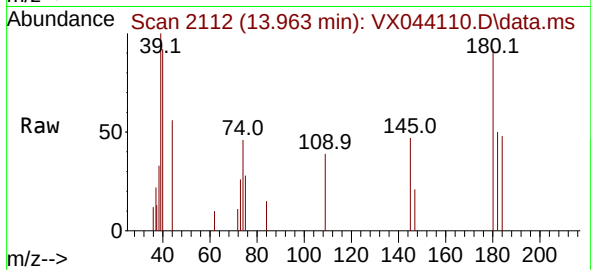
Tgt Ion:128 Resp: 6914
Ion Ratio Lower Upper
128 100
127 14.5 10.2 15.2
129 12.5 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.421 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX044110.D
 Acq: 04 Dec 2024 12:35

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	729
Ion	Ratio	Lower	Upper
180	100		
182	89.0	45.6	136.8
145	34.4	16.4	49.4

