

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120324\
 Data File : VX044095.D
 Acq On : 03 Dec 2024 16:04
 Operator : JC/MD
 Sample : P5006-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

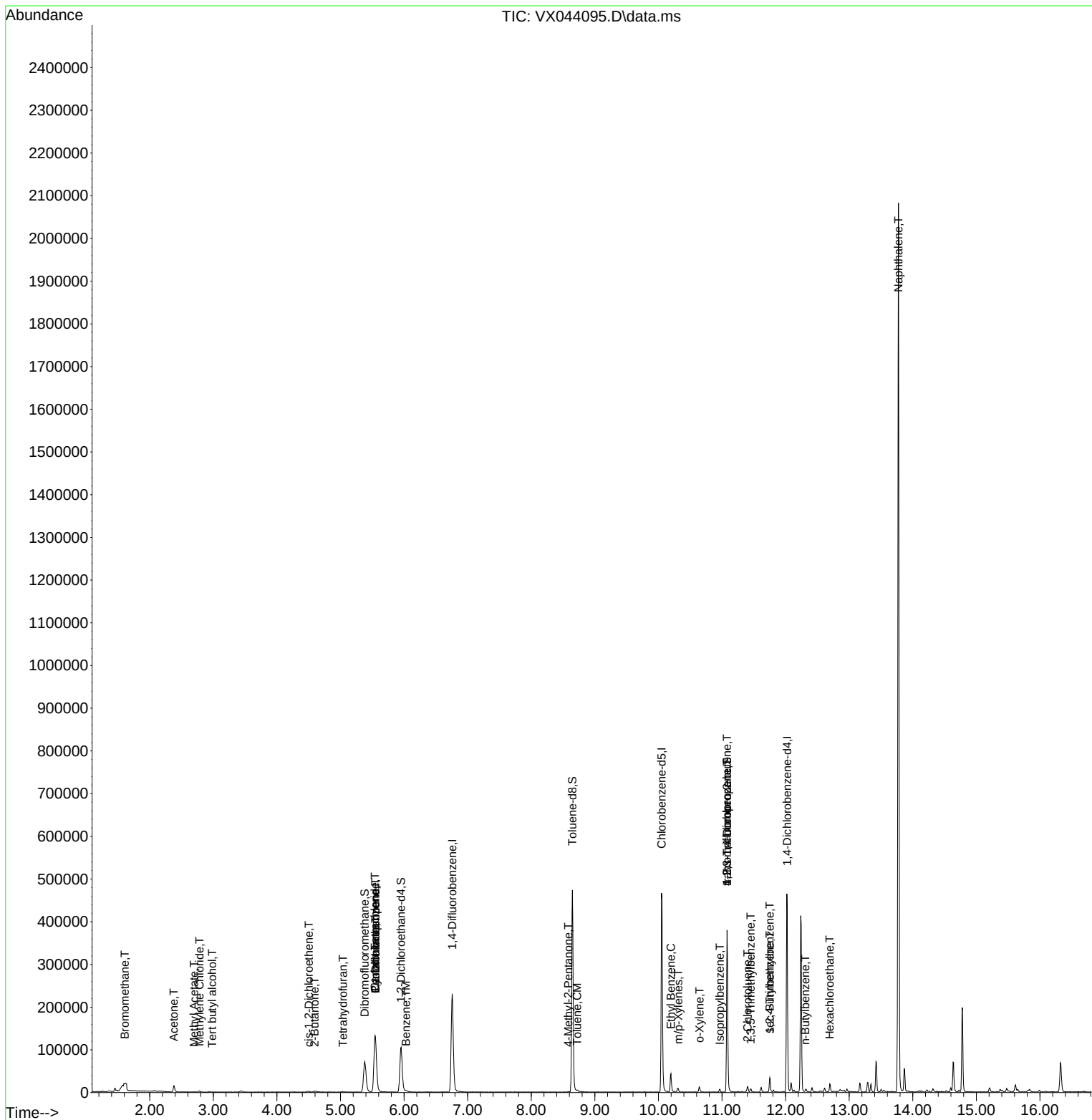
Quant Time: Dec 04 00:10:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

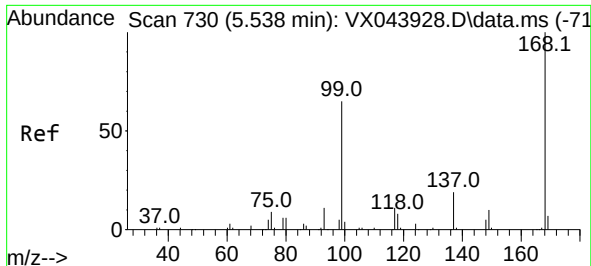
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	112488	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	223144	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	201427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	102962	53.366	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.740%	
35) Dibromofluoromethane	5.379	113	60667	38.048	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 76.100%	
50) Toluene-d8	8.647	98	278115	50.600	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.200%	
62) 4-Bromofluorobenzene	11.079	95	97639	52.198	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.400%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	310	0.316	ug/l #	61
11) Tert butyl alcohol	2.983	59	157	0.507	ug/l #	73
16) Acetone	2.380	43	15777	17.804	ug/l	95
18) Methyl Acetate	2.697	43	673	0.326	ug/l #	52
20) Methylene Chloride	2.782	84	1095	0.728	ug/l #	78
25) 2-Butanone	4.593	43	2375	2.077	ug/l #	87
27) cis-1,2-Dichloroethene	4.501	96	667	0.403	ug/l	26
29) Tetrahydrofuran	5.038	42	569	0.812	ug/l #	46
31) Cyclohexane	5.550	56	3359	1.562	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	11193	5.633	ug/l #	49
38) Carbon Tetrachloride	5.544	117	13997	6.269	ug/l #	16
40) Benzene	6.032	78	3169	0.512	ug/l #	85
51) 4-Methyl-2-Pentanone	8.580	43	1093	0.456	ug/l	99
52) Toluene	8.720	92	785	0.212	ug/l #	69
67) Ethyl Benzene	10.195	91	26401	3.522	ug/l	97
68) m/p-Xylenes	10.311	106	2464	0.881	ug/l	94
69) o-Xylene	10.647	106	2985	1.094	ug/l	93
73) Isopropylbenzene	10.964	105	3863	0.575	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	55974	29.205	ug/l #	34
79) 2-Chlorotoluene	11.403	91	1170	0.247	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	3395	0.614	ug/l	90
81) trans-1,4-Dichloro-2-b...	11.079	75	55974	79.693	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.750	105	13956	2.536	ug/l	98
85) sec-Butylbenzene	11.750	105	13956	2.079	ug/l #	57
89) n-Butylbenzene	12.311	91	1149	0.239	ug/l #	15
90) Hexachloroethane	12.695	117	7873	8.492	ug/l #	18
95) Naphthalene	13.774	128	1173211	187.672	ug/l	99

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

Quant Time: Dec 04 00:10:16 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

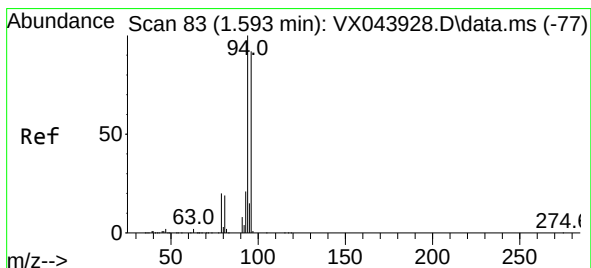
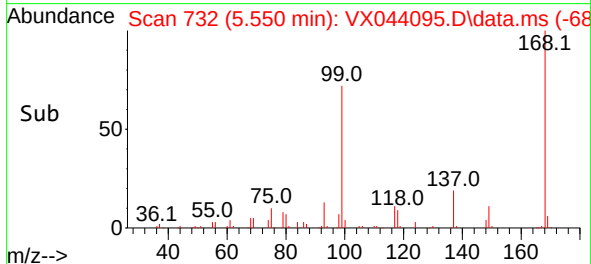
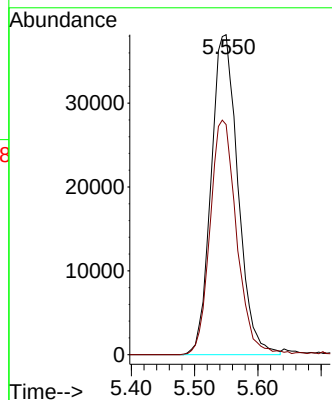
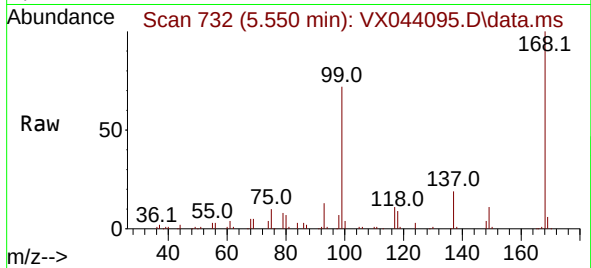




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

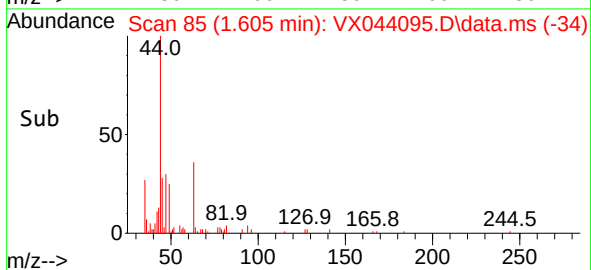
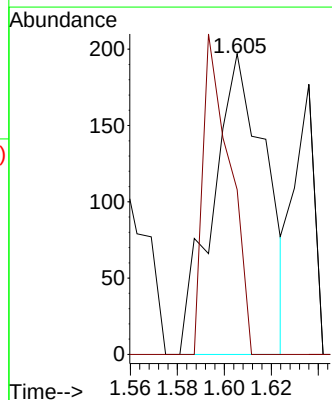
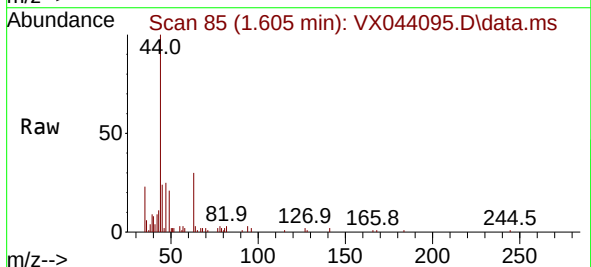
Instrument :
MSVOA_X
ClientSampleId :

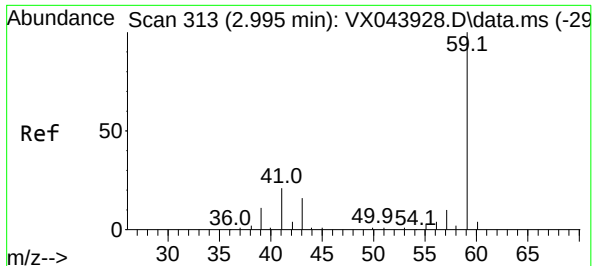
Tgt Ion:168 Resp: 112488
Ion Ratio Lower Upper
168 100
99 71.9 51.8 77.8



#5
Bromomethane
Concen: 0.316 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

Tgt Ion: 94 Resp: 310
Ion Ratio Lower Upper
94 100
96 54.8 73.9 110.9#





#11

Tert butyl alcohol

Concen: 0.507 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.012 min

Lab File: VX044095.D

Acq: 03 Dec 2024 16:04

Instrument :

MSVOA_X

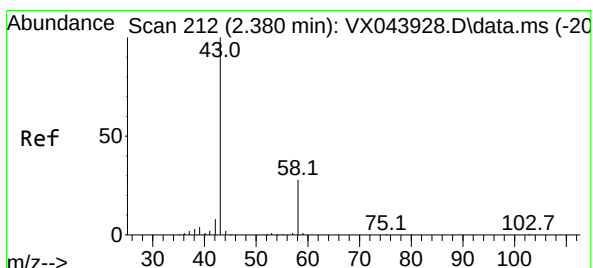
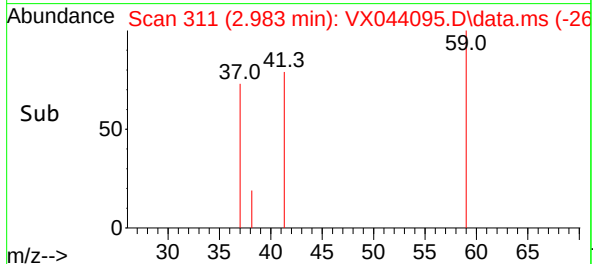
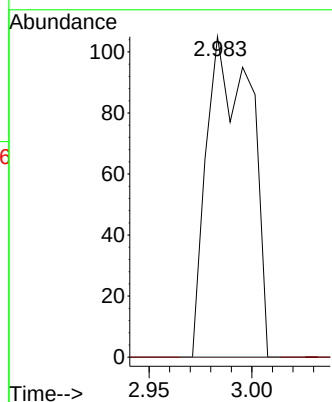
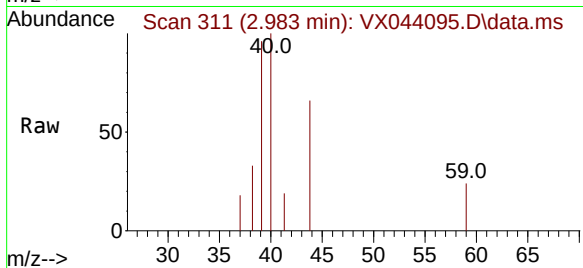
ClientSampleId :

Tgt Ion: 59 Resp: 157

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#16

Acetone

Concen: 17.804 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX044095.D

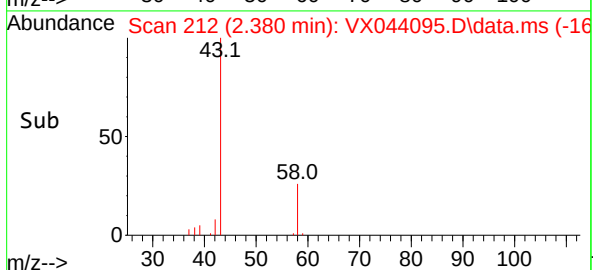
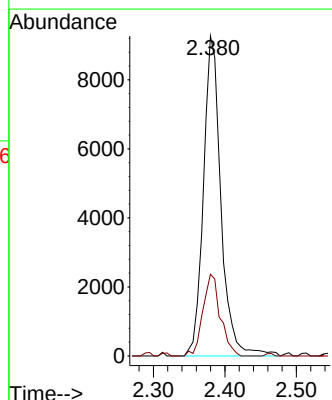
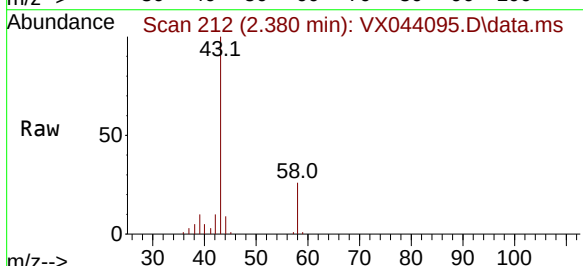
Acq: 03 Dec 2024 16:04

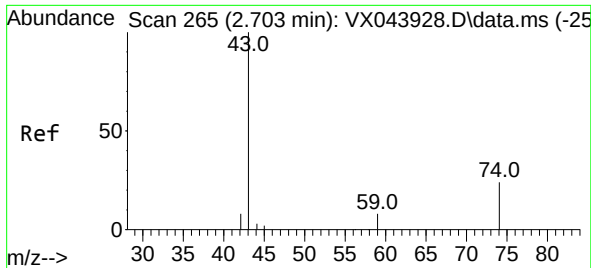
Tgt Ion: 43 Resp: 15777

Ion Ratio Lower Upper

43 100

58 25.6 22.7 34.1

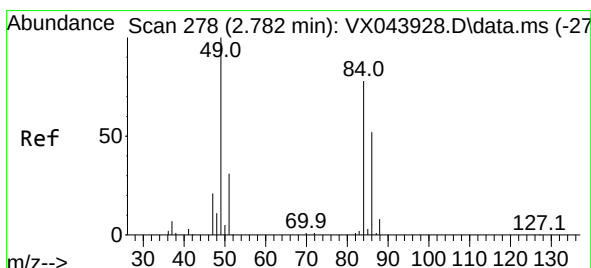
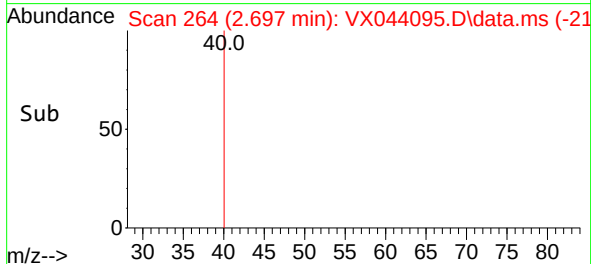
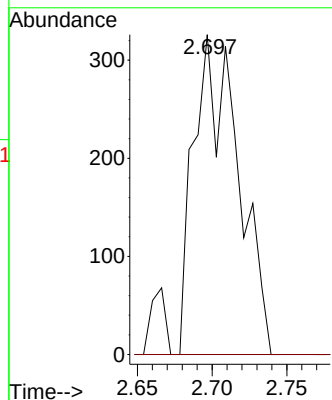
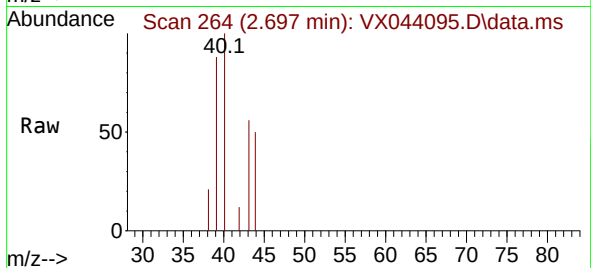




#18
Methyl Acetate
Concen: 0.326 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

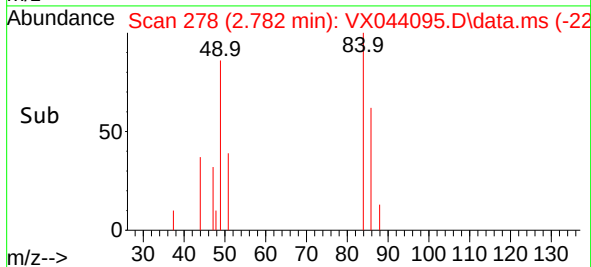
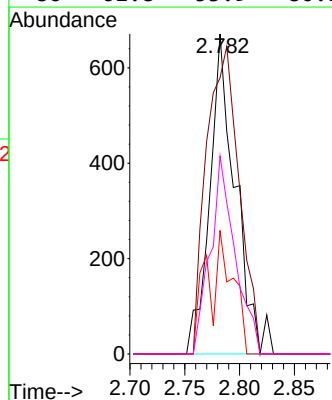
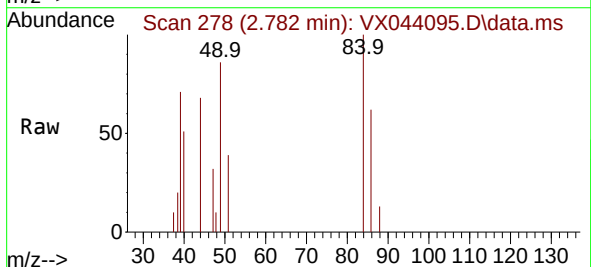
Instrument :
MSVOA_X
ClientSampleId :

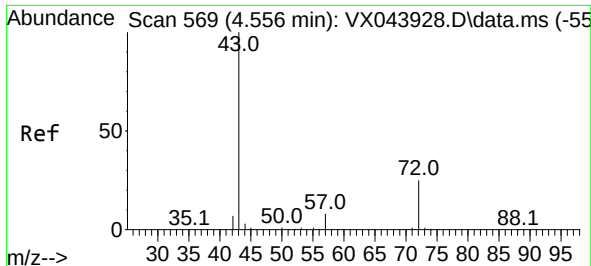
Tgt Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: 0.728 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

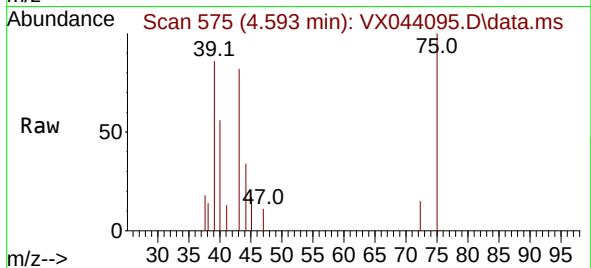
Tgt Ion: 84 Resp: 1095
Ion Ratio Lower Upper
84 100
49 86.3 102.7 154.1#
51 38.6 31.7 47.5
86 61.8 53.9 80.9



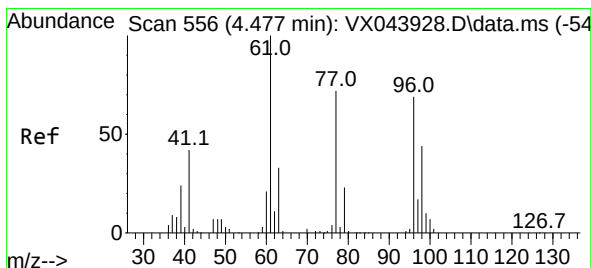
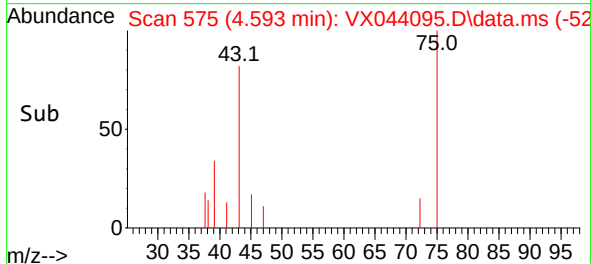
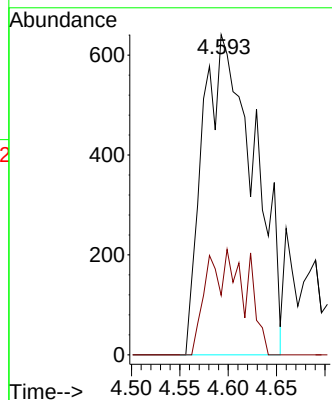


#25
2-Butanone
Concen: 2.077 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

Instrument :
MSVOA_X
ClientSampleId :

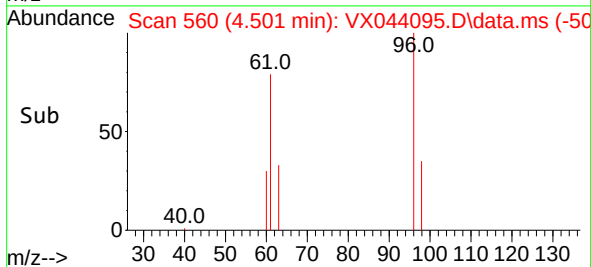
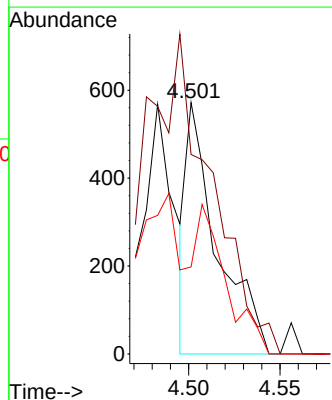
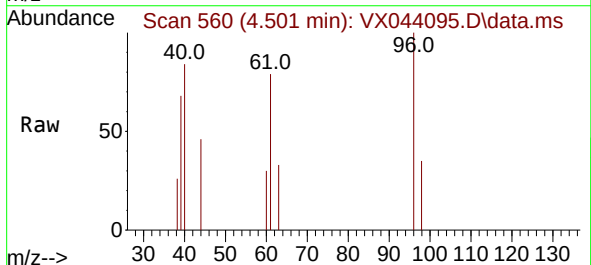


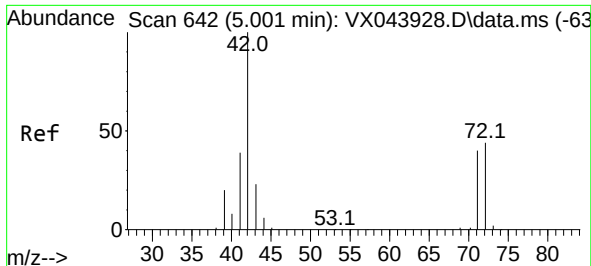
Tgt Ion: 43 Resp: 2375
Ion Ratio Lower Upper
43 100
72 18.6 20.2 30.2#



#27
cis-1,2-Dichloroethene
Concen: 0.403 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.024 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

Tgt Ion: 96 Resp: 667
Ion Ratio Lower Upper
96 100
61 276.6 0.0 297.4
98 55.8 0.0 127.8





#29

Tetrahydrofuran

Concen: 0.812 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.037 min

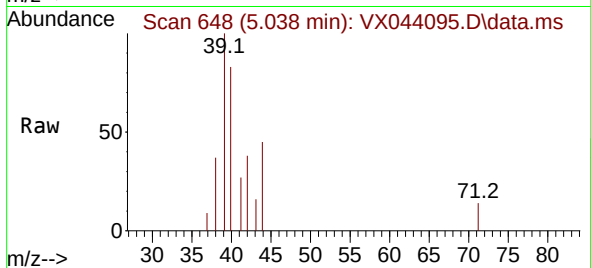
Lab File: VX044095.D

Acq: 03 Dec 2024 16:04

Instrument :

MSVOA_X

ClientSampleId :



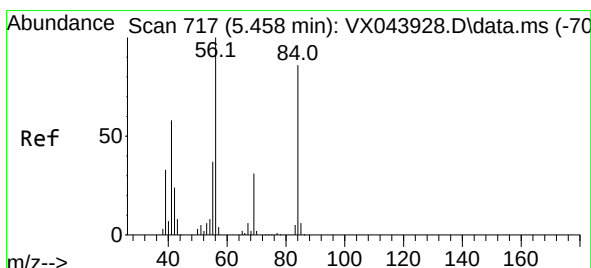
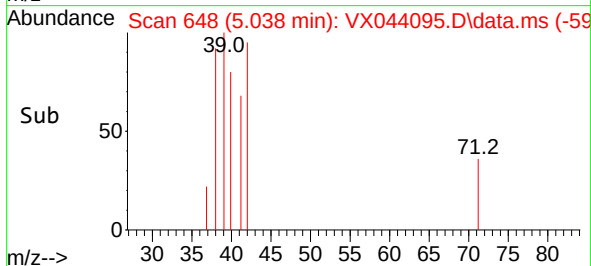
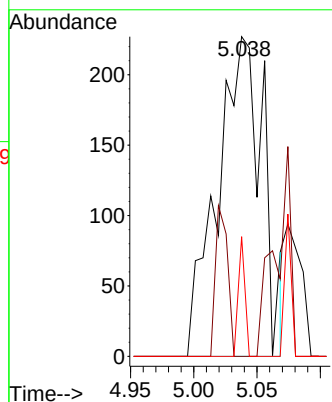
Tgt Ion: 42 Resp: 569

Ion Ratio Lower Upper

42 100

72 12.5 36.4 54.6#

71 5.4 33.4 50.0#



#31

Cyclohexane

Concen: 1.562 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.091 min

Lab File: VX044095.D

Acq: 03 Dec 2024 16:04

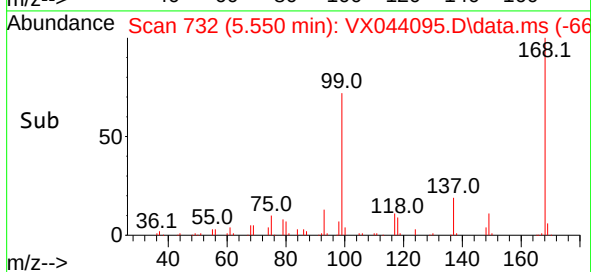
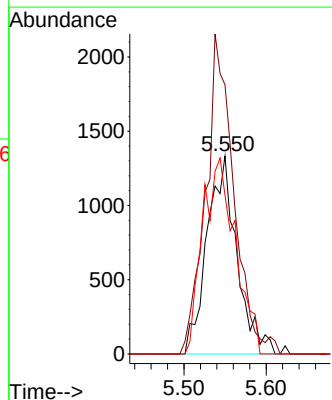
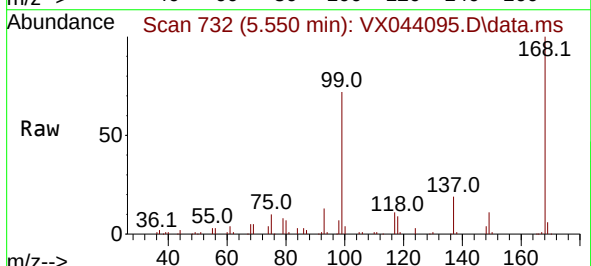
Tgt Ion: 56 Resp: 3359

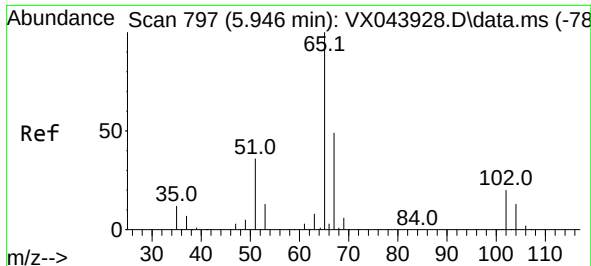
Ion Ratio Lower Upper

56 100

69 135.9 24.7 37.1#

84 80.2 68.7 103.1

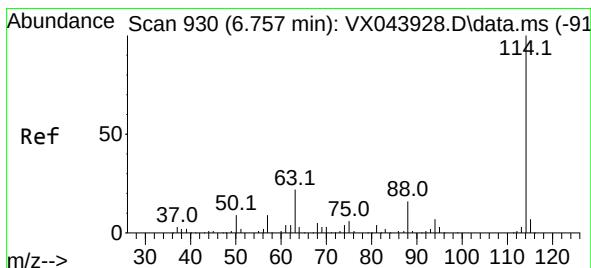
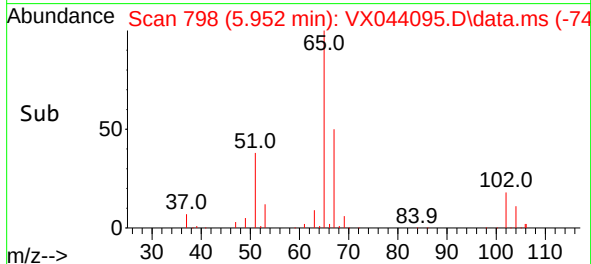
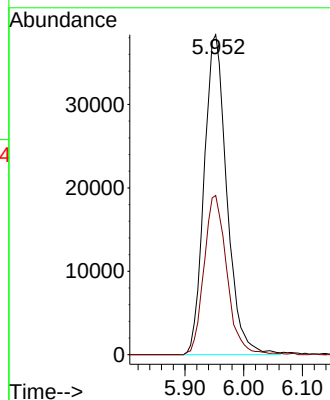
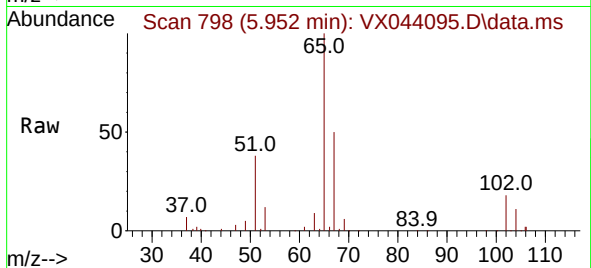




#33
1,2-Dichloroethane-d4
Concen: 53.366 ug/l
RT: 5.952 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

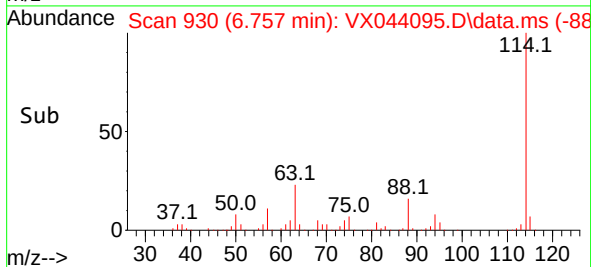
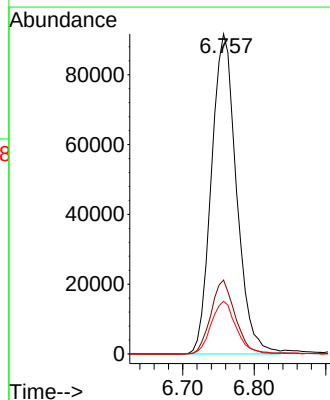
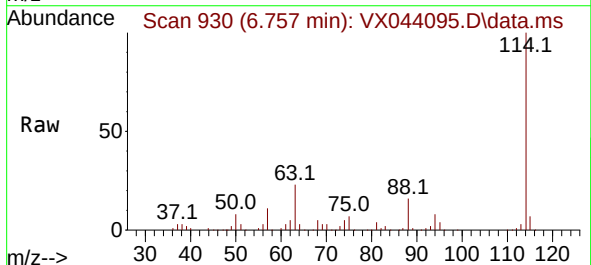
Instrument :
MSVOA_X
ClientSampleId :

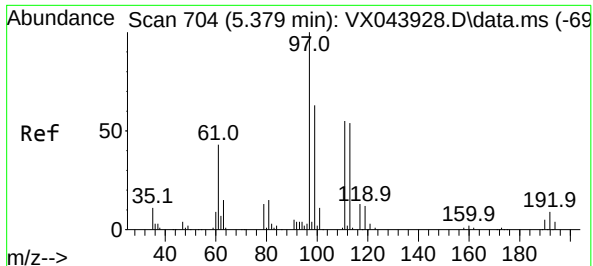
Tgt Ion: 65 Resp: 102962
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

Tgt Ion: 114 Resp: 223144
Ion Ratio Lower Upper
114 100
63 23.1 0.0 44.0
88 16.4 0.0 32.4

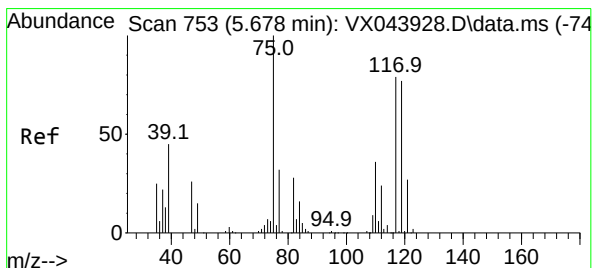
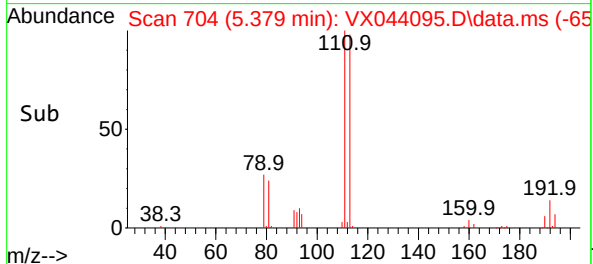
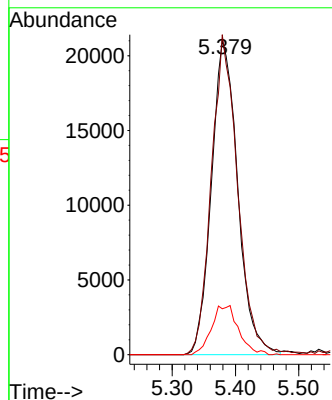
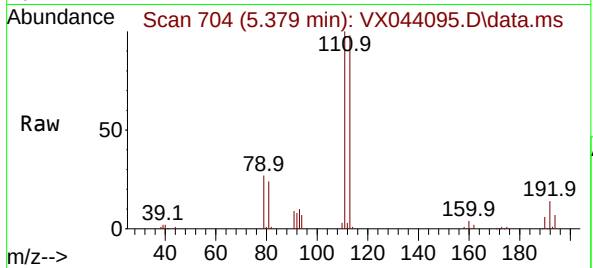




#35
Dibromofluoromethane
Concen: 38.048 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

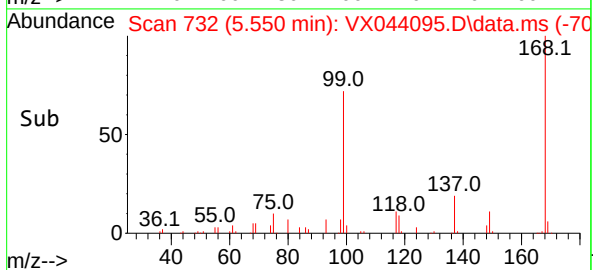
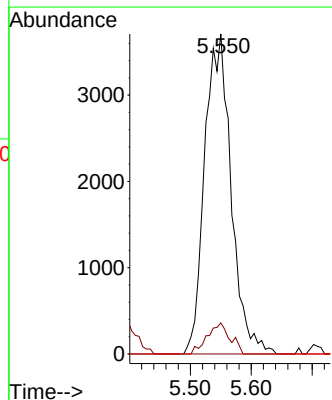
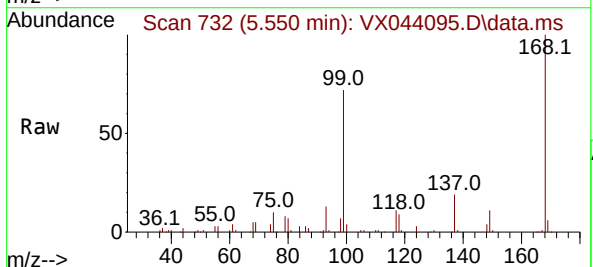
Instrument :
MSVOA_X
ClientSampleId :

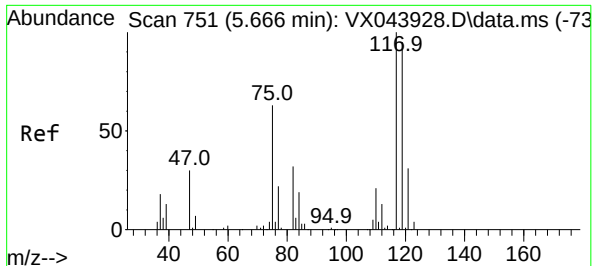
Tgt Ion:113 Resp: 60667
Ion Ratio Lower Upper
113 100
111 101.6 81.0 121.4
192 16.0 13.0 19.6



#36
1,1-Dichloropropene
Concen: 5.633 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

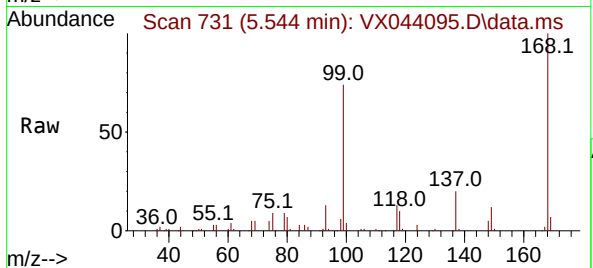
Tgt Ion: 75 Resp: 11193
Ion Ratio Lower Upper
75 100
110 8.3 17.4 52.2#
77 0.0 25.8 38.8#



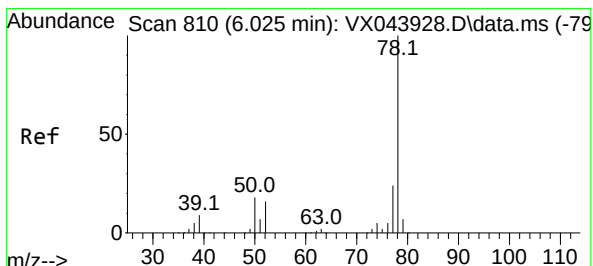
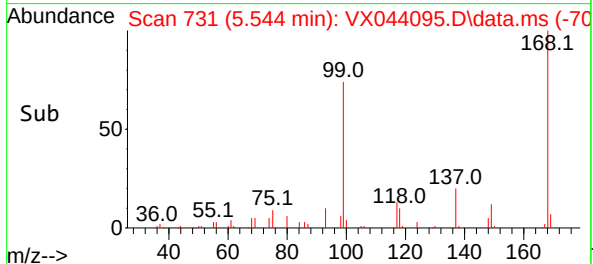
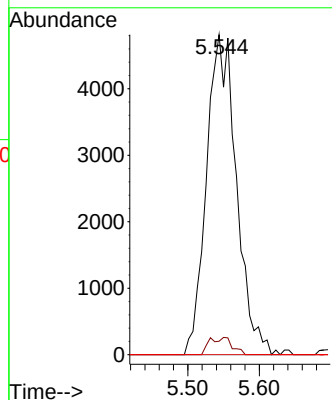


#38
Carbon Tetrachloride
Concen: 6.269 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

Instrument :
MSVOA_X
ClientSampleId :

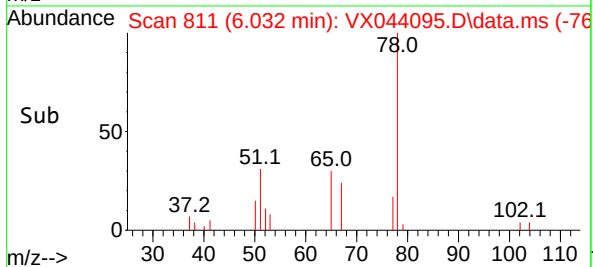
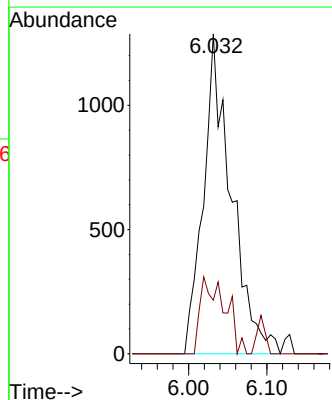
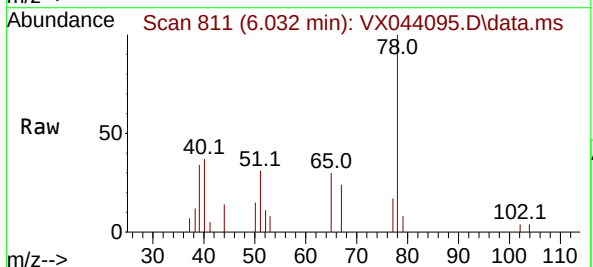


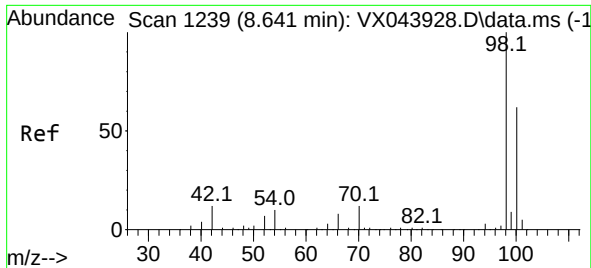
Tgt Ion:117 Resp: 13997
Ion Ratio Lower Upper
117 100
119 4.2 75.2 112.8#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 0.512 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

Tgt Ion: 78 Resp: 3169
Ion Ratio Lower Upper
78 100
77 16.8 19.2 28.8#

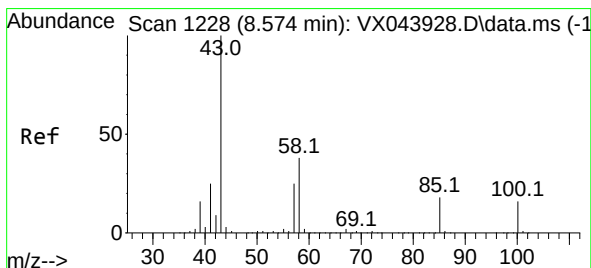
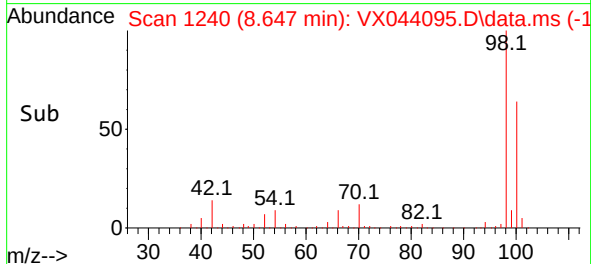
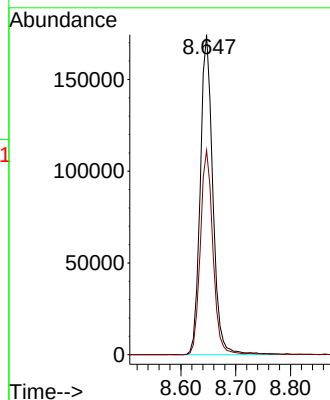
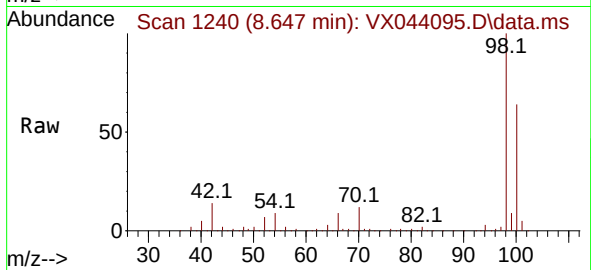




#50
Toluene-d8
Concen: 50.600 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

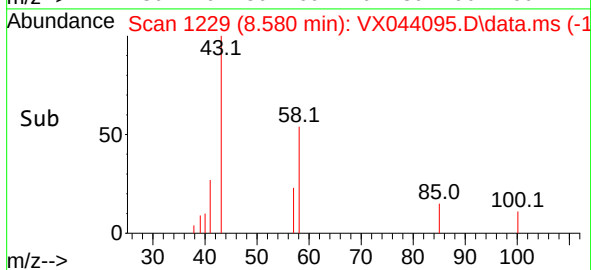
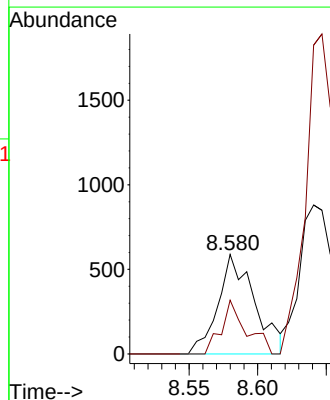
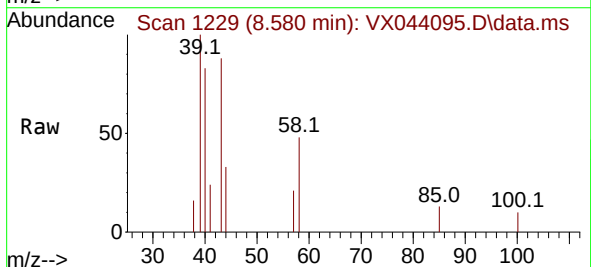
Instrument :
MSVOA_X
ClientSampleId :

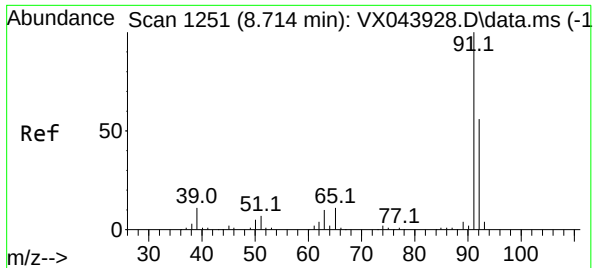
Tgt Ion: 98 Resp: 278115
Ion Ratio Lower Upper
98 100
100 63.7 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 0.456 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

Tgt Ion: 43 Resp: 1093
Ion Ratio Lower Upper
43 100
58 36.8 30.0 45.0

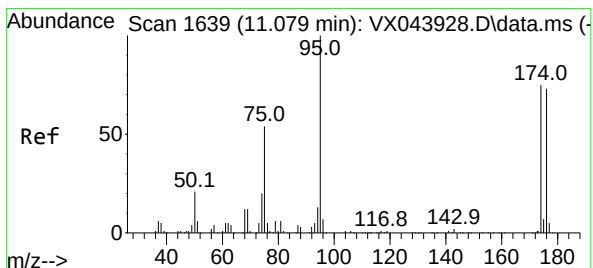
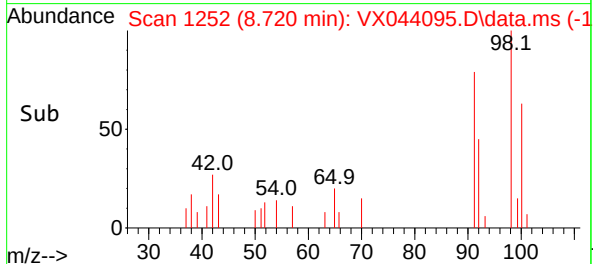
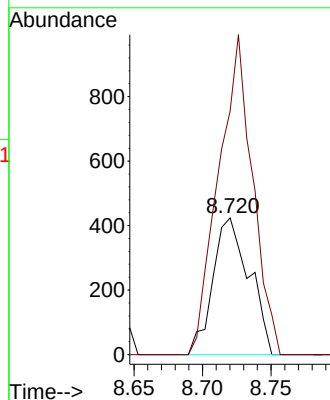
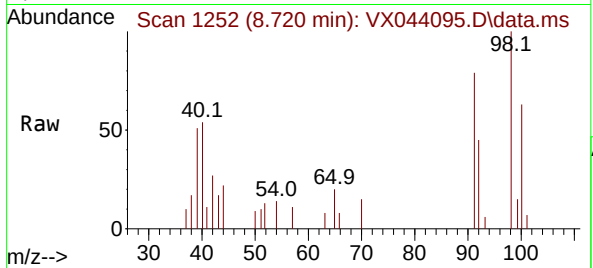




#52
Toluene
Concen: 0.212 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

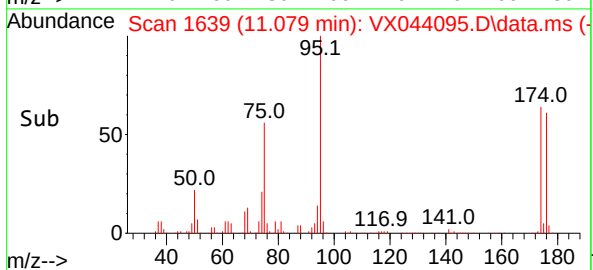
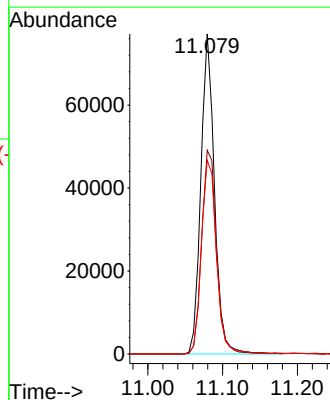
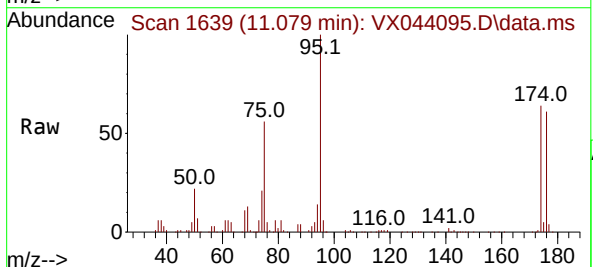
Instrument :
MSVOA_X
ClientSampleId :

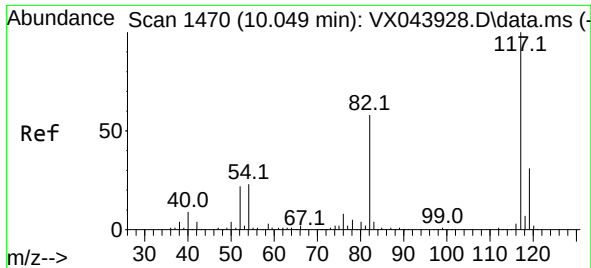
Tgt Ion: 92 Resp: 785
Ion Ratio Lower Upper
92 100
91 218.0 139.7 209.5#



#62
4-Bromofluorobenzene
Concen: 52.198 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

Tgt Ion: 95 Resp: 97639
Ion Ratio Lower Upper
95 100
174 69.1 0.0 150.4
176 66.4 0.0 146.0

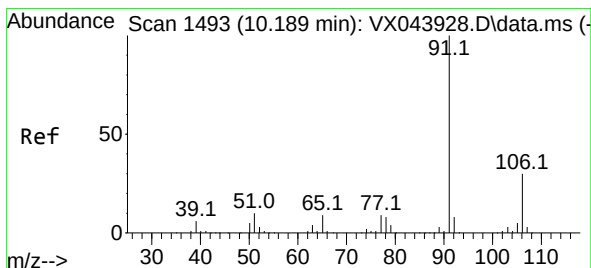
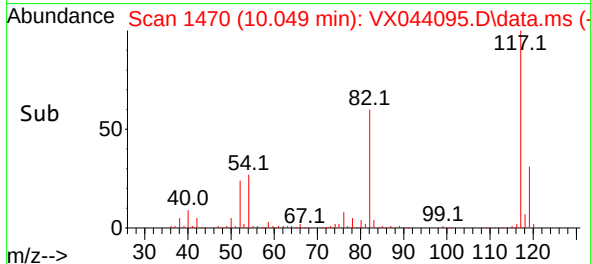
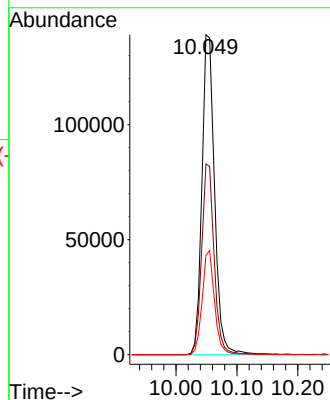
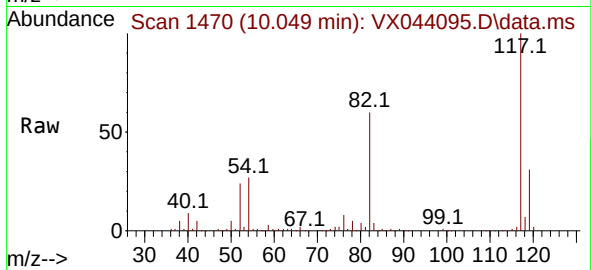




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

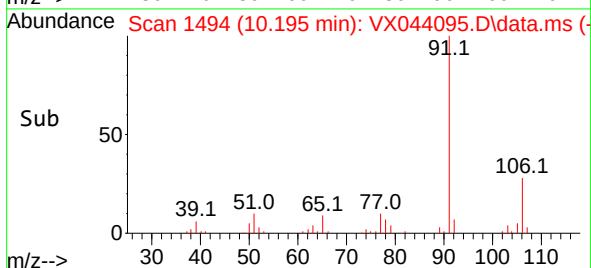
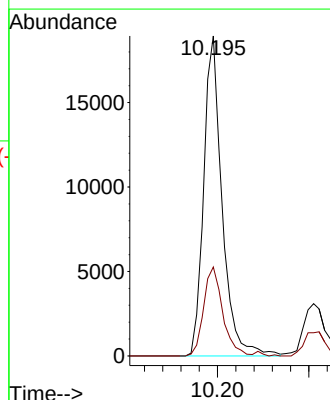
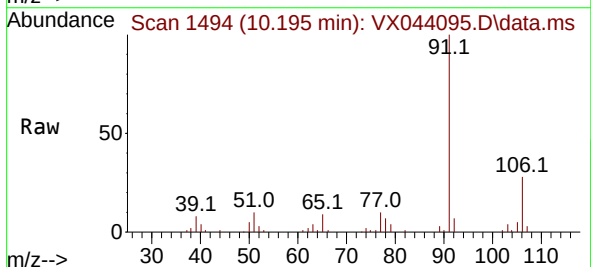
Instrument :
MSVOA_X
ClientSampleId :

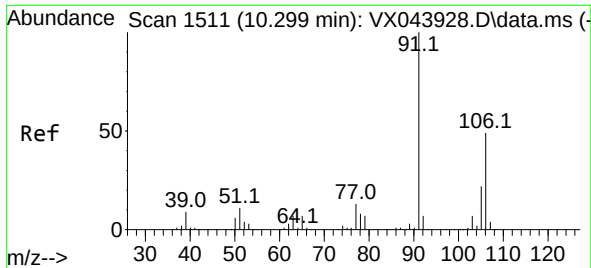
Tgt Ion:117 Resp: 201427
Ion Ratio Lower Upper
117 100
82 59.6 46.4 69.6
119 31.1 24.6 37.0



#67
Ethyl Benzene
Concen: 3.522 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

Tgt Ion: 91 Resp: 26401
Ion Ratio Lower Upper
91 100
106 27.8 23.6 35.4

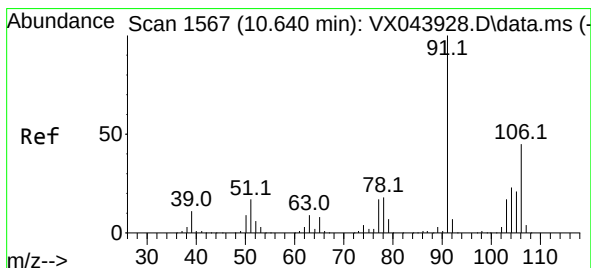
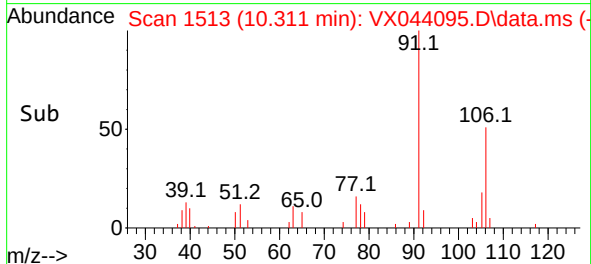
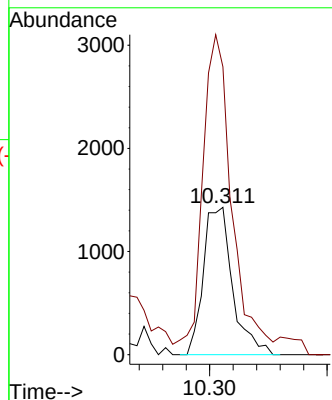
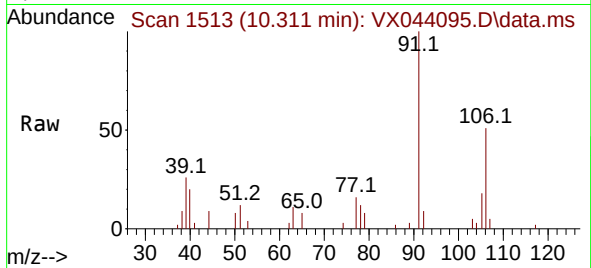




#68
m/p-Xylenes
Concen: 0.881 ug/l
RT: 10.311 min Scan# 1511
Delta R.T. 0.012 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

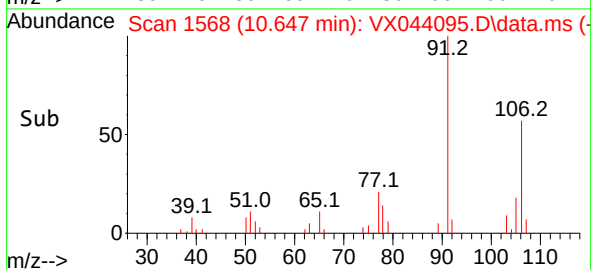
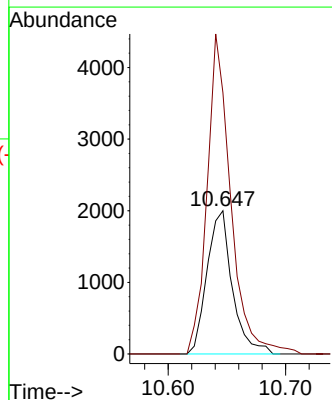
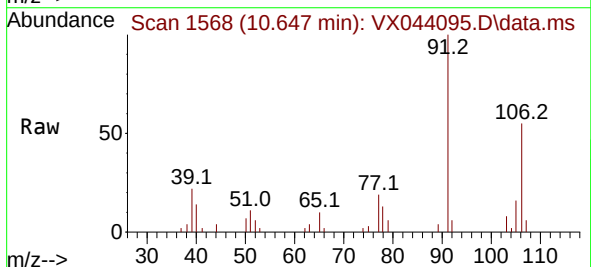
Instrument :
MSVOA_X
ClientSampleId :

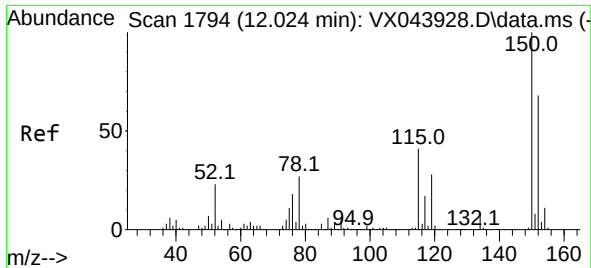
Tgt Ion:106 Resp: 2464
Ion Ratio Lower Upper
106 100
91 200.2 168.1 252.1



#69
o-Xylene
Concen: 1.094 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

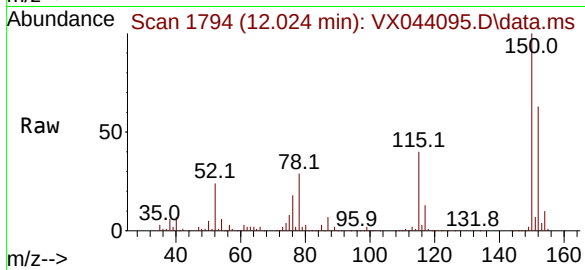
Tgt Ion:106 Resp: 2985
Ion Ratio Lower Upper
106 100
91 208.4 110.2 330.6



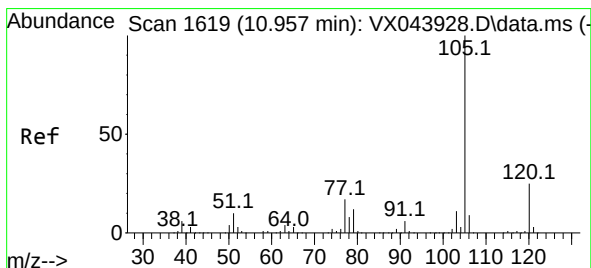
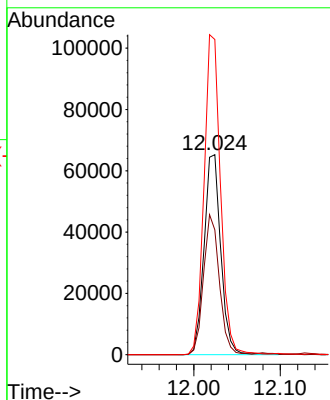
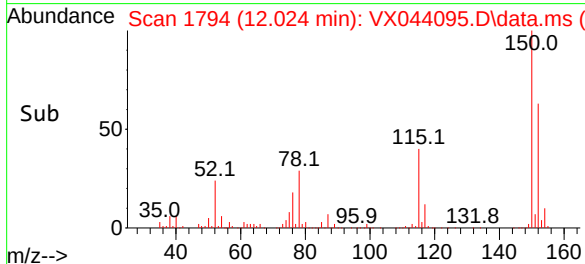


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

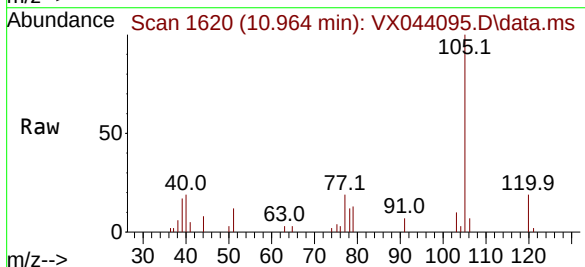
Instrument :
MSVOA_X
ClientSampleId :



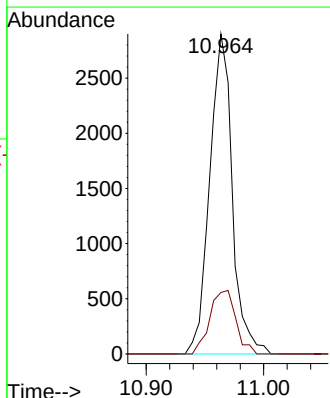
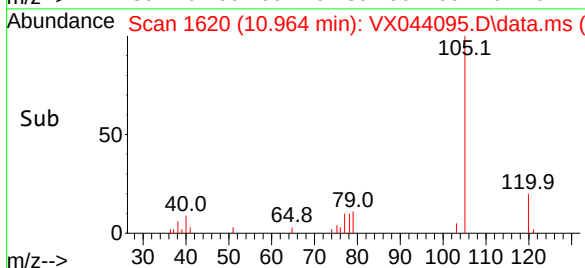
Tgt Ion:152 Resp: 87397
Ion Ratio Lower Upper
152 100
115 66.5 45.4 136.2
150 157.3 0.0 353.0

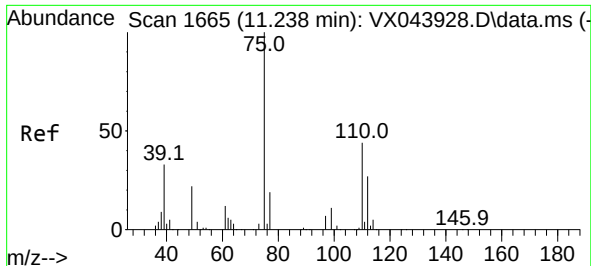


#73
Isopropylbenzene
Concen: 0.575 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04



Tgt Ion:105 Resp: 3863
Ion Ratio Lower Upper
105 100
120 22.9 13.0 38.9

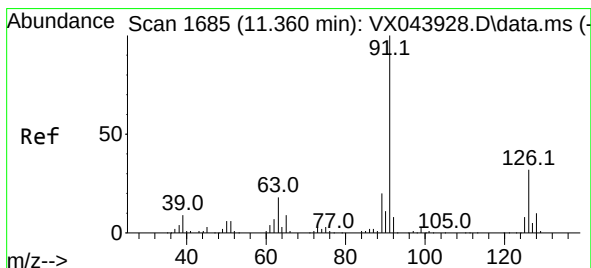
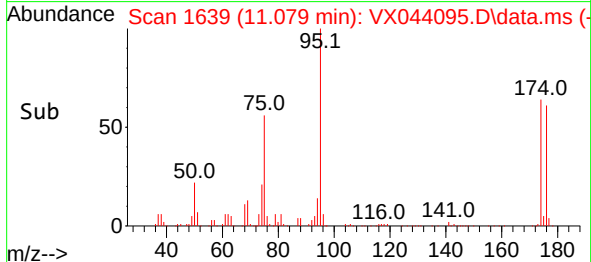
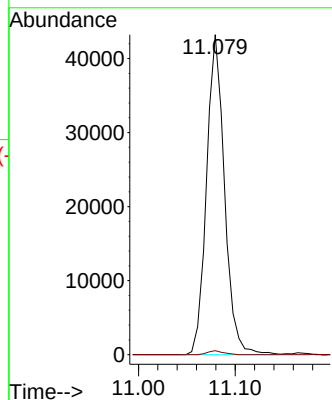
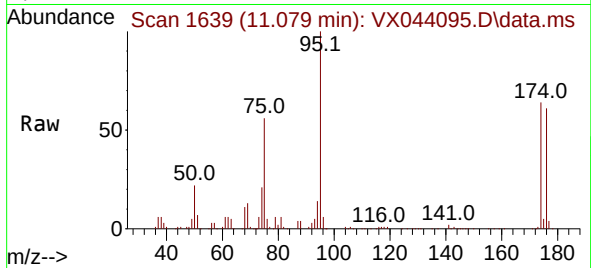




#76
1,2,3-Trichloropropane
Concen: 29.205 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

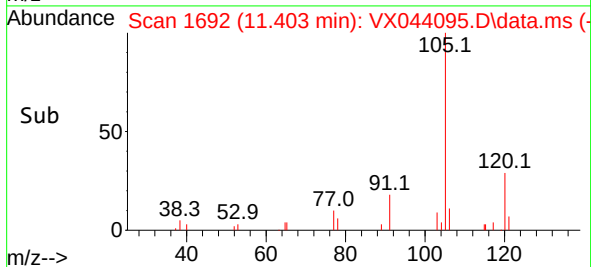
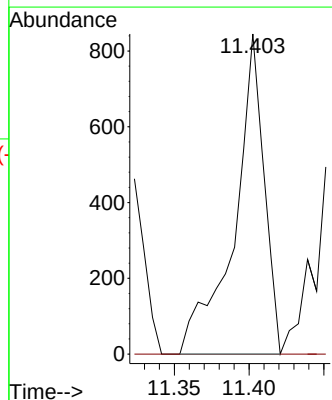
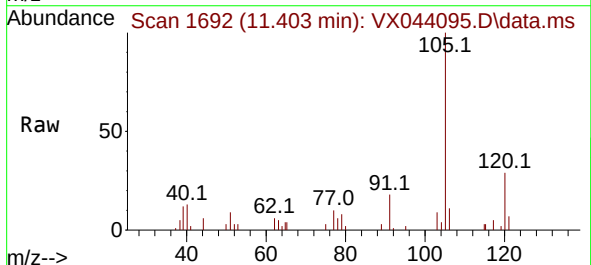
Instrument :
MSVOA_X
ClientSampleId :

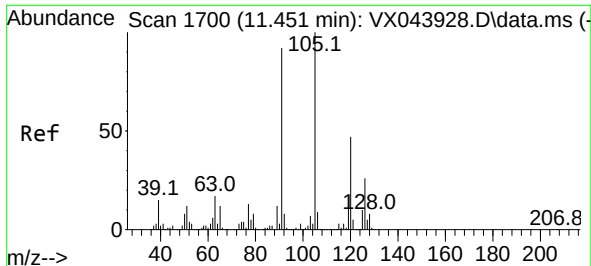
Tgt Ion: 75 Resp: 55974
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.3#



#79
2-Chlorotoluene
Concen: 0.247 ug/l
RT: 11.403 min Scan# 1692
Delta R.T. 0.043 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

Tgt Ion: 91 Resp: 1170
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#

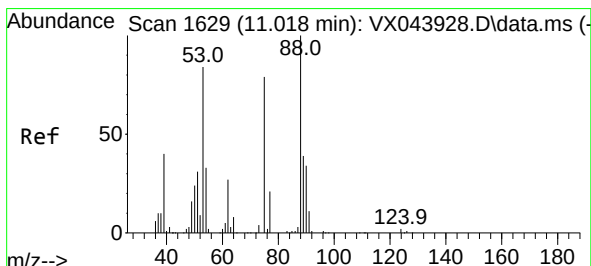
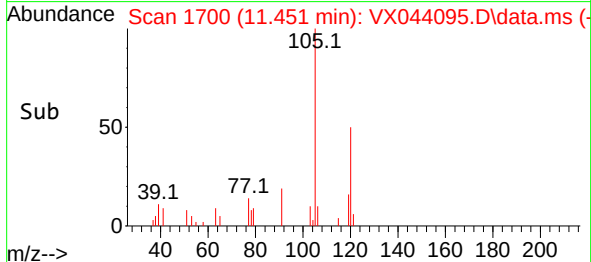
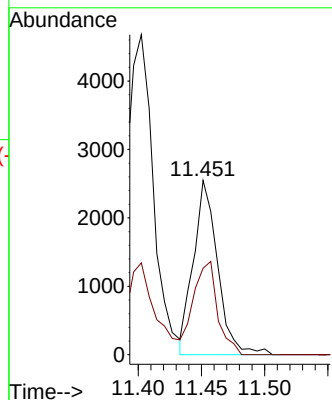
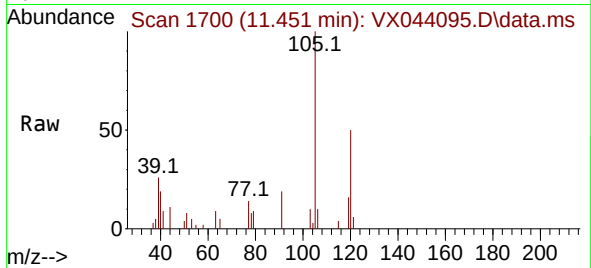




#80
1,3,5-Trimethylbenzene
Concen: 0.614 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

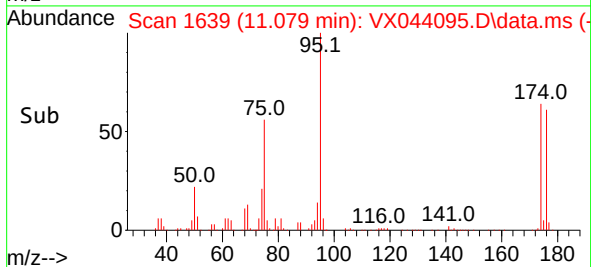
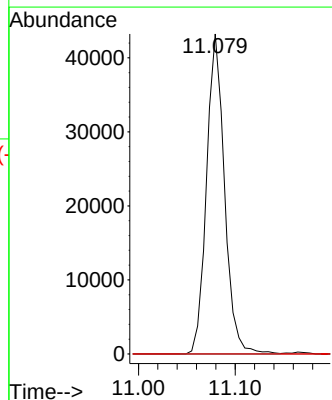
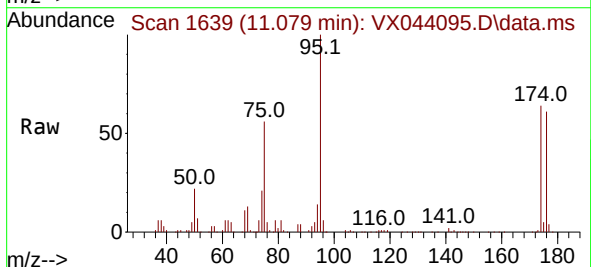
Instrument :
MSVOA_X
ClientSampleId :

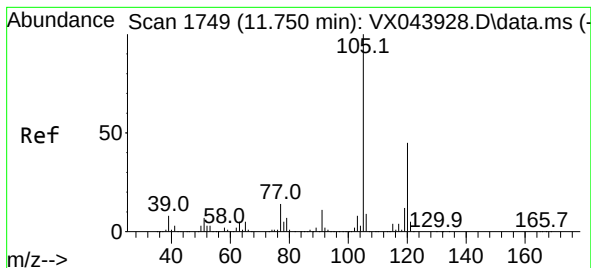
Tgt Ion:105 Resp: 3395
Ion Ratio Lower Upper
105 100
120 53.2 23.3 69.8



#81
trans-1,4-Dichloro-2-butene
Concen: 79.693 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

Tgt Ion: 75 Resp: 55974
Ion Ratio Lower Upper
75 100
53 0.0 86.7 130.1#
89 0.0 38.2 57.2#





#84

1,2,4-Trimethylbenzene

Concen: 2.536 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044095.D

Acq: 03 Dec 2024 16:04

Instrument :

MSVOA_X

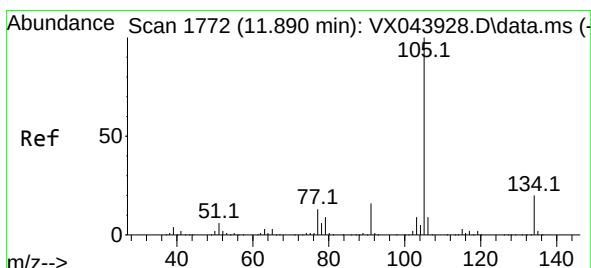
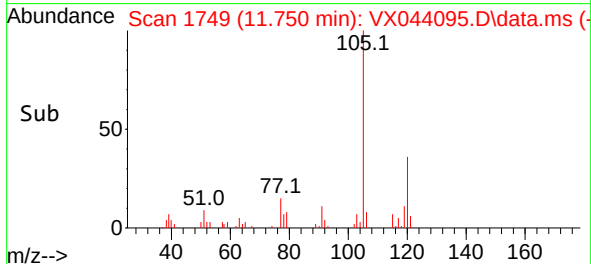
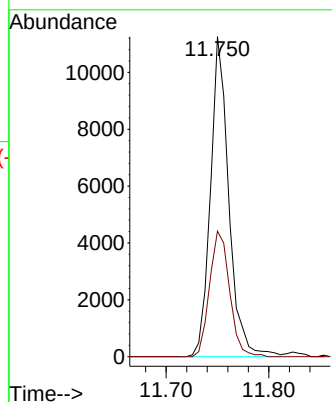
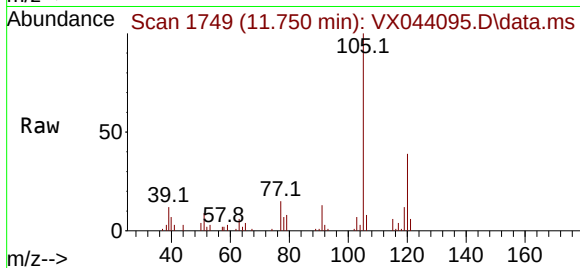
ClientSampleId :

Tgt Ion:105 Resp: 13956

Ion Ratio Lower Upper

105 100

120 42.7 21.9 65.7



#85

sec-Butylbenzene

Concen: 2.079 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.140 min

Lab File: VX044095.D

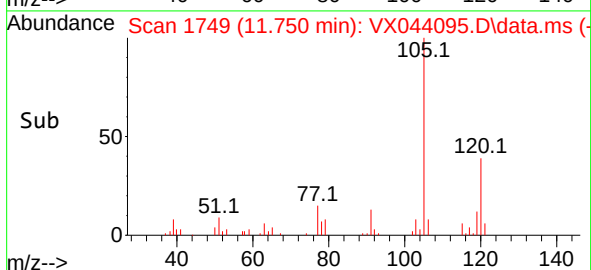
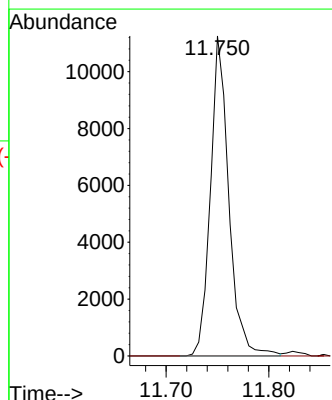
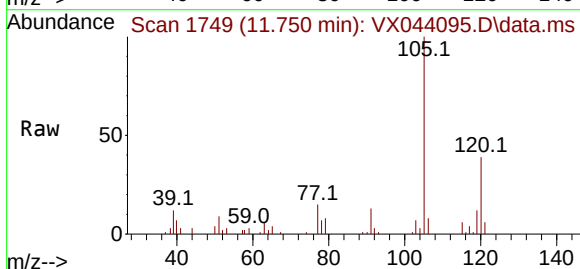
Acq: 03 Dec 2024 16:04

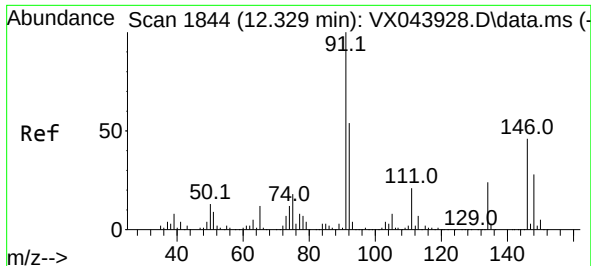
Tgt Ion:105 Resp: 13956

Ion Ratio Lower Upper

105 100

134 0.0 9.7 29.1#

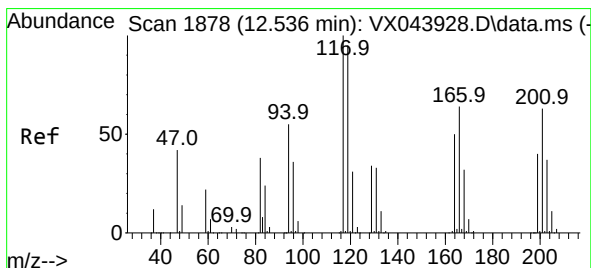
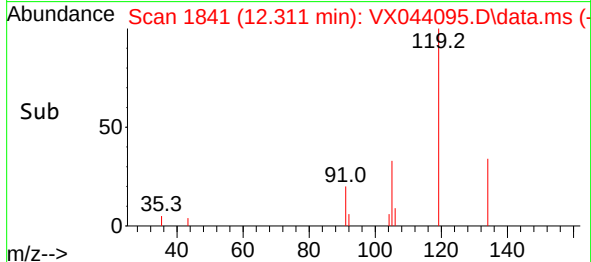
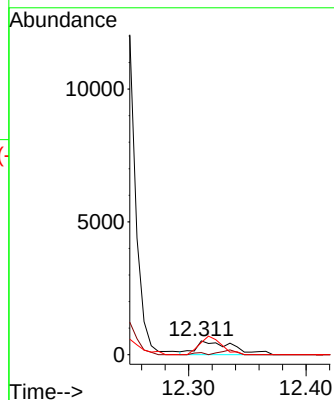
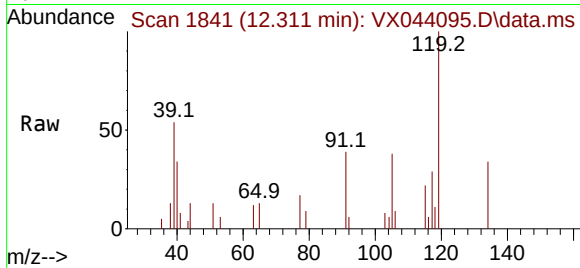




#89
n-Butylbenzene
Concen: 0.239 ug/l
RT: 12.311 min Scan# 1149
Delta R.T. -0.018 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

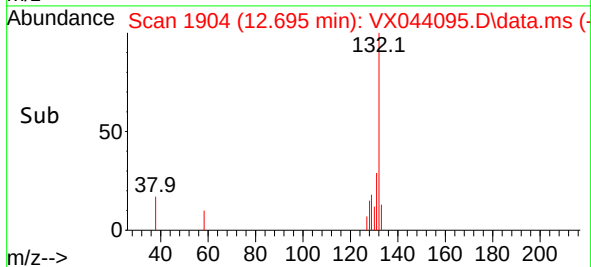
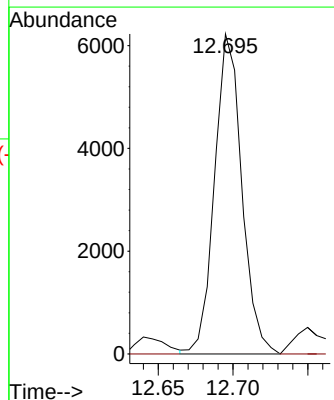
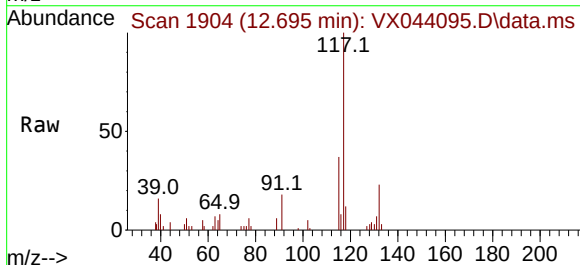
Instrument :
MSVOA_X
ClientSampleId :

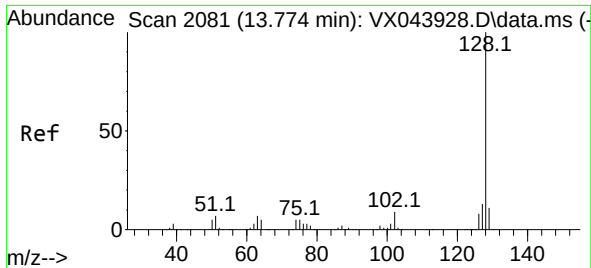
Tgt Ion: 91 Resp: 1149
Ion Ratio Lower Upper
91 100
92 0.0 26.6 79.8#
134 78.3 12.4 37.2#



#90
Hexachloroethane
Concen: 8.492 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.158 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

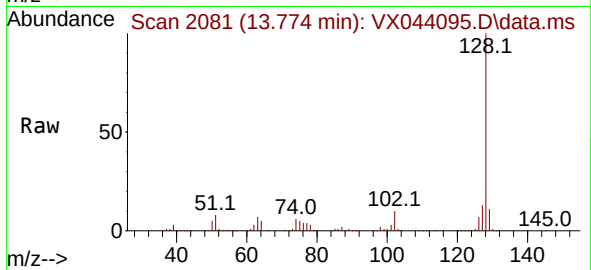
Tgt Ion: 117 Resp: 7873
Ion Ratio Lower Upper
117 100
201 0.0 32.4 97.0#





#95
Naphthalene
Concen: 187.672 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX044095.D
Acq: 03 Dec 2024 16:04

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1173211
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.9 8.6 12.8

