

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120324\
 Data File : VX044094.D
 Acq On : 03 Dec 2024 15:41
 Operator : JC/MD
 Sample : P5006-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 04 00:09:42 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)

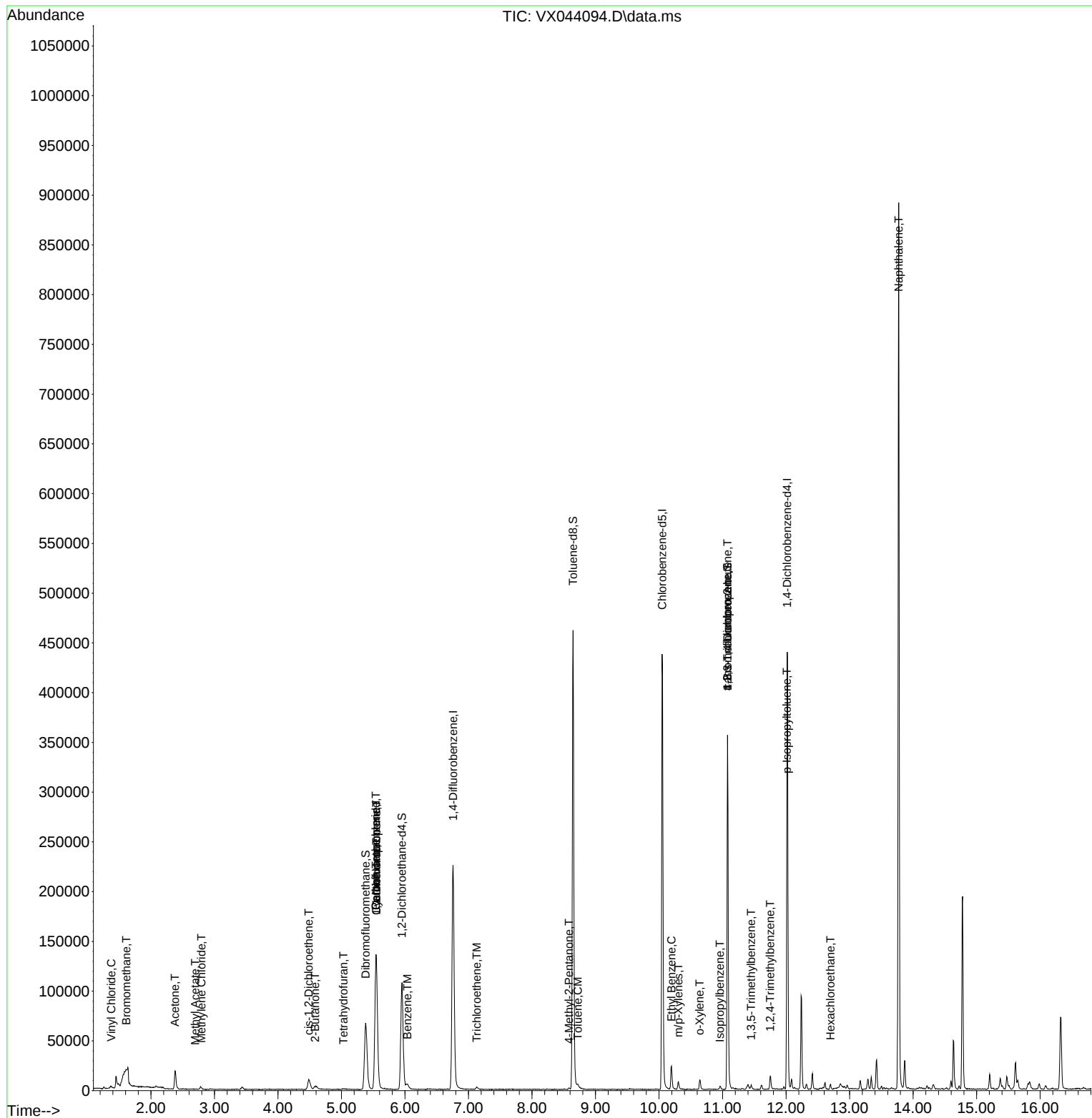
Internal Standards						
1) Pentafluorobenzene	5.544	168	114452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	221169	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	192410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	102769	52.352	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.700%			
35) Dibromofluoromethane	5.379	113	57730	36.530	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 73.060%#			
50) Toluene-d8	8.647	98	276040	50.671	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.340%			
62) 4-Bromofluorobenzene	11.079	95	92868	50.091	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.180%			
Target Compounds					Qvalue	
4) Vinyl Chloride	1.374	62	668	0.412	ug/l	98
5) Bromomethane	1.611	94	265	0.265	ug/l	82
16) Acetone	2.379	43	20439	22.669	ug/l	95
18) Methyl Acetate	2.696	43	471	0.224	ug/l #	61
20) Methylene Chloride	2.794	84	1048	0.685	ug/l #	66
25) 2-Butanone	4.586	43	4246	3.650	ug/l #	86
27) cis-1,2-Dichloroethene	4.483	96	6402	3.804	ug/l	91
29) Tetrahydrofuran	5.031	42	284	0.398	ug/l #	65
31) Cyclohexane	5.550	56	3424	1.565	ug/l #	56
36) 1,1-Dichloropropene	5.550	75	11217	5.696	ug/l #	49
38) Carbon Tetrachloride	5.544	117	14299	6.462	ug/l #	17
40) Benzene	6.037	78	5508	0.898	ug/l #	85
44) Trichloroethene	7.129	130	930	0.536	ug/l	63
51) 4-Methyl-2-Pentanone	8.580	43	1094	0.461	ug/l	89
52) Toluene	8.720	92	1120	0.305	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.964	63	19	Below Cal	#	46
67) Ethyl Benzene	10.195	91	15002	2.095	ug/l	94
68) m/p-Xylenes	10.305	106	1940	0.726	ug/l	96
69) o-Xylene	10.640	106	2347	0.900	ug/l	93
73) Isopropylbenzene	10.957	105	1723	0.281	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	52006	29.780	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.451	105	2241	0.445	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	52006	81.264	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.750	105	7027	1.402	ug/l	92
86) p-Isopropyltoluene	12.012	119	1109	0.223	ug/l #	64
90) Hexachloroethane	12.701	117	1957	2.317	ug/l #	18
95) Naphthalene	13.774	128	496465	87.161	ug/l	99

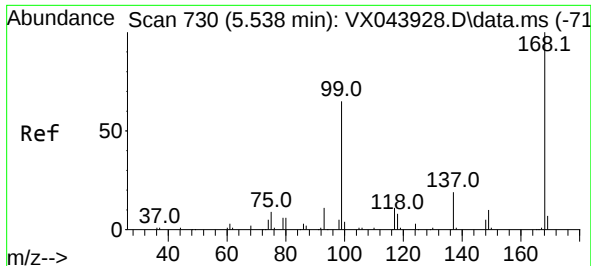
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120324\
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ClientSampleId :

Quant Time: Dec 04 00:09:42 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

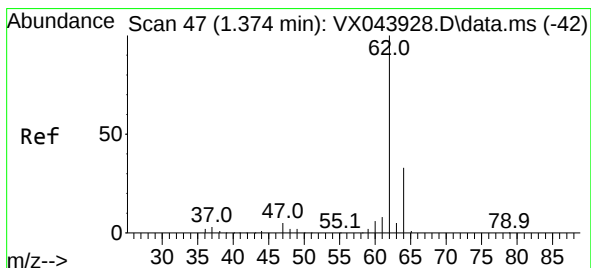
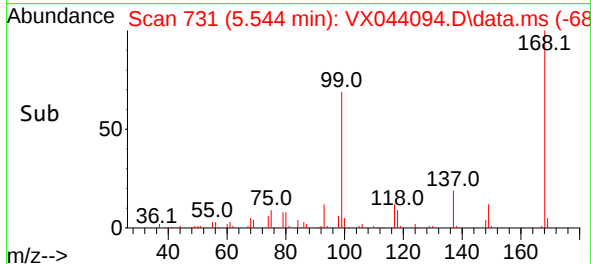
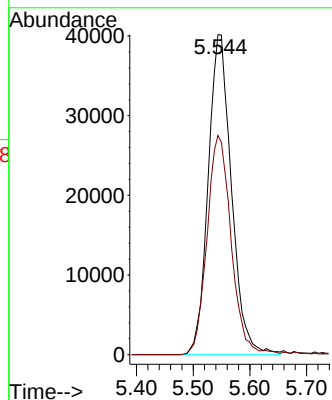
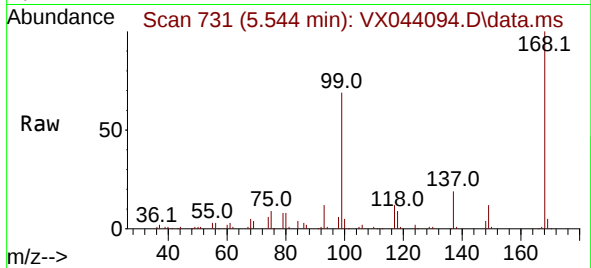




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

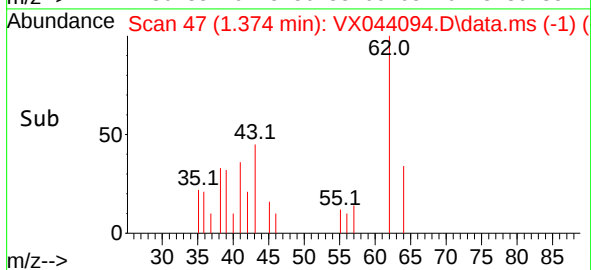
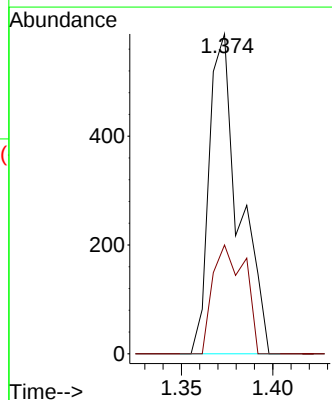
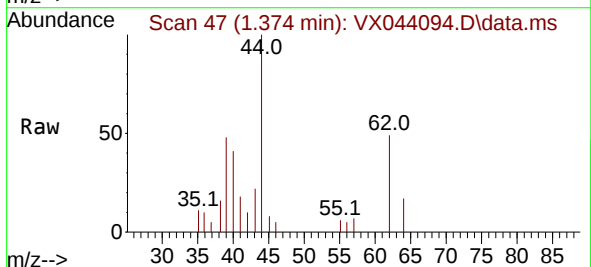
Instrument :
MSVOA_X
ClientSampleId :

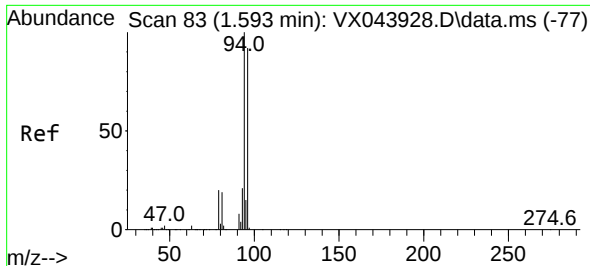
Tgt Ion:168 Resp: 114452
Ion Ratio Lower Upper
168 100
99 68.5 51.8 77.8



#4
Vinyl Chloride
Concen: 0.412 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

Tgt Ion: 62 Resp: 668
Ion Ratio Lower Upper
62 100
64 34.0 26.2 39.4

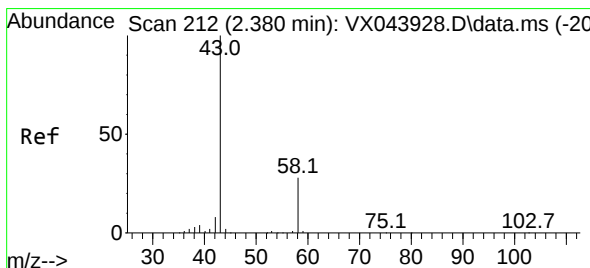
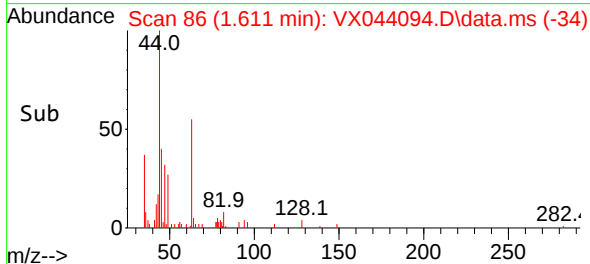
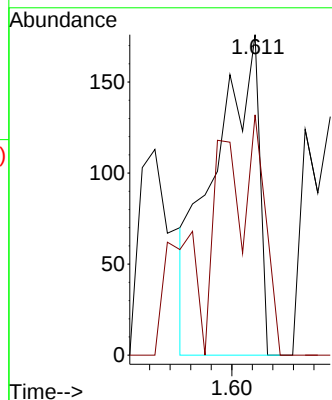
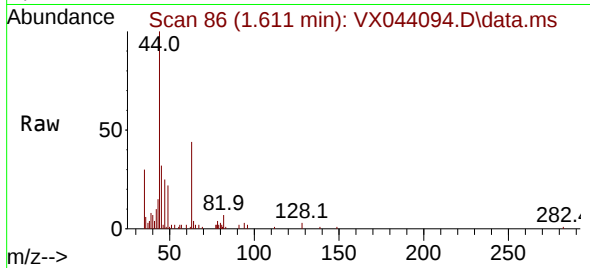




#5
Bromomethane
Concen: 0.265 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.018 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

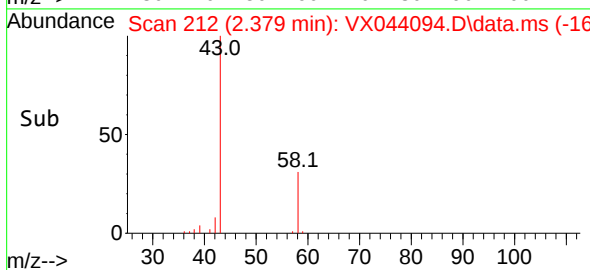
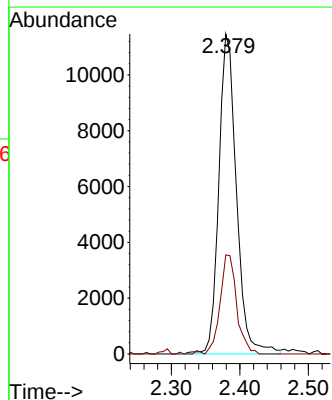
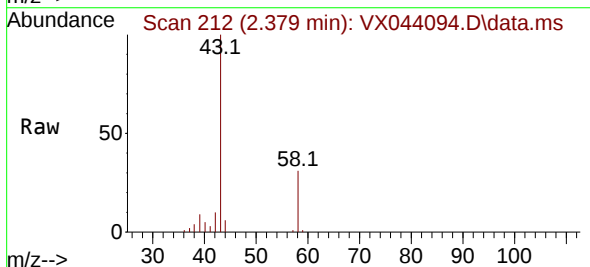
Instrument :
MSVOA_X
ClientSampleId :

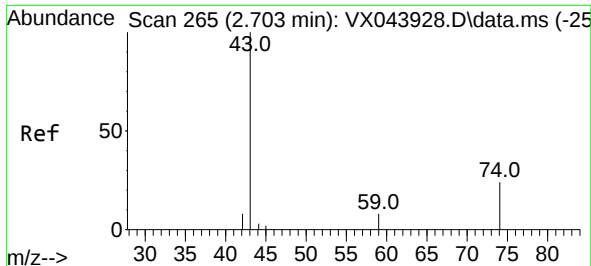
Tgt Ion: 94 Resp: 265
Ion Ratio Lower Upper
94 100
96 75.0 73.9 110.9



#16
Acetone
Concen: 22.669 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

Tgt Ion: 43 Resp: 20439
Ion Ratio Lower Upper
43 100
58 30.9 22.7 34.1

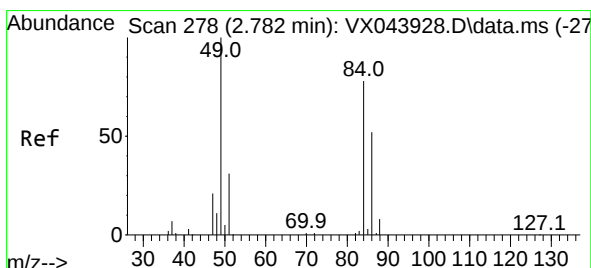
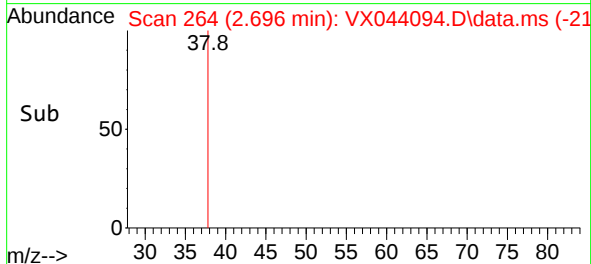
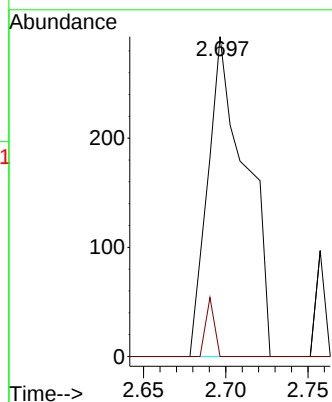
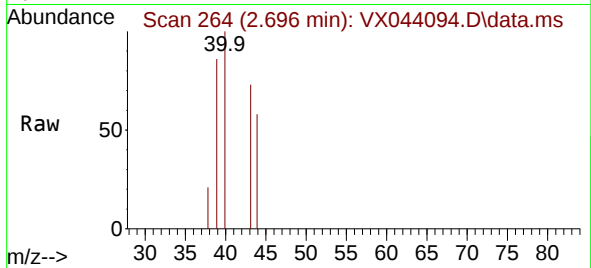




#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.696 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

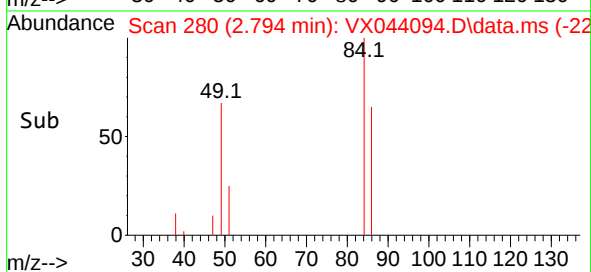
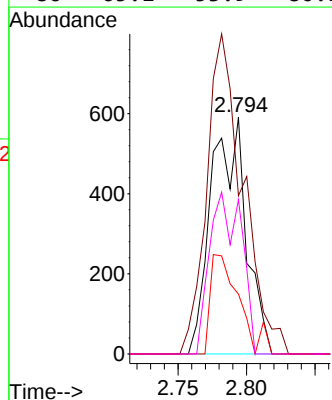
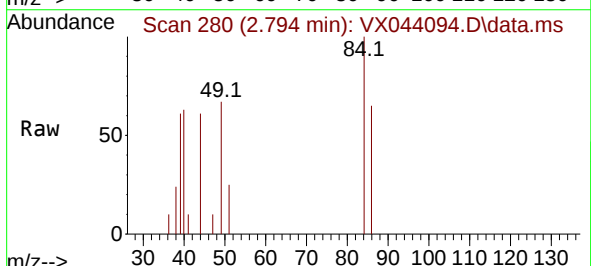
Instrument :
MSVOA_X
ClientSampleId :

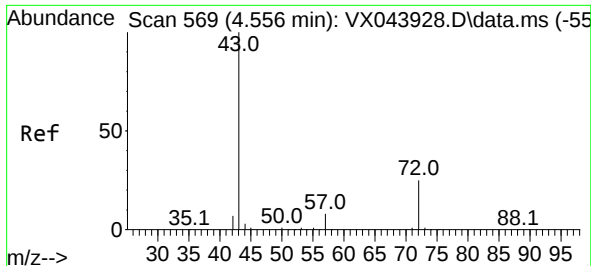
Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
74 4.2 18.9 28.3#



#20
Methylene Chloride
Concen: 0.685 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

Tgt Ion: 84 Resp: 1048
Ion Ratio Lower Upper
84 100
49 66.8 102.7 154.1#
51 25.4 31.7 47.5#
86 65.1 53.9 80.9

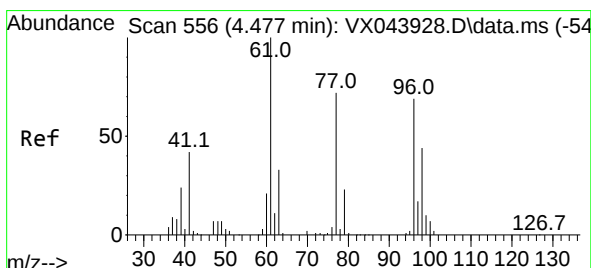
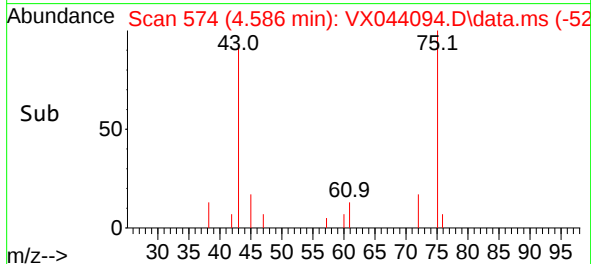
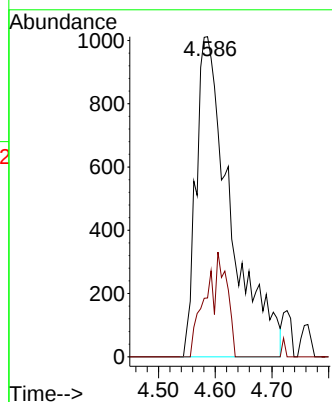
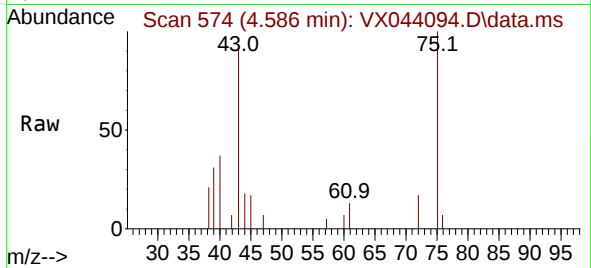




#25
2-Butanone
Concen: 3.650 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

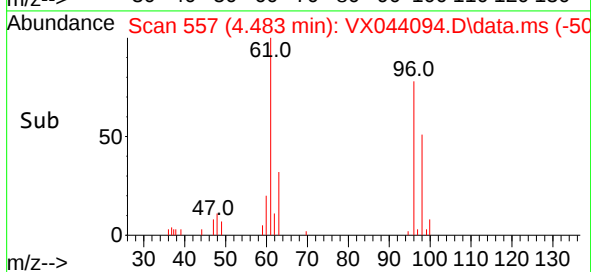
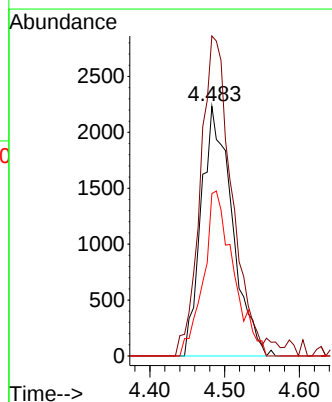
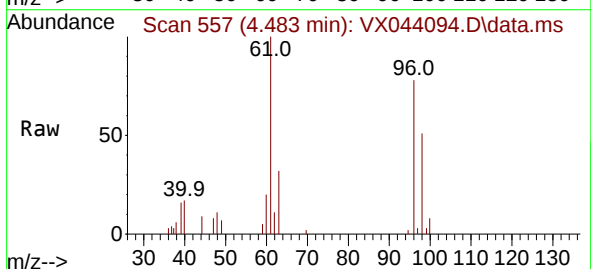
Instrument :
MSVOA_X
ClientSampleId :

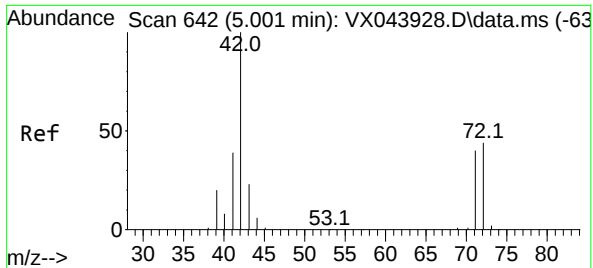
Tgt Ion: 43 Resp: 4246
Ion Ratio Lower Upper
43 100
72 18.4 20.2 30.2#



#27
cis-1,2-Dichloroethene
Concen: 3.804 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.006 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

Tgt Ion: 96 Resp: 6402
Ion Ratio Lower Upper
96 100
61 132.7 0.0 297.4
98 64.5 0.0 127.8





#29

Tetrahydrofuran

Concen: 0.398 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX044094.D

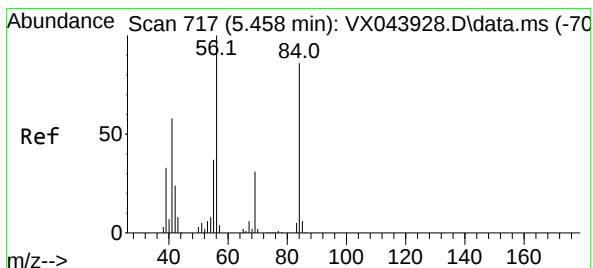
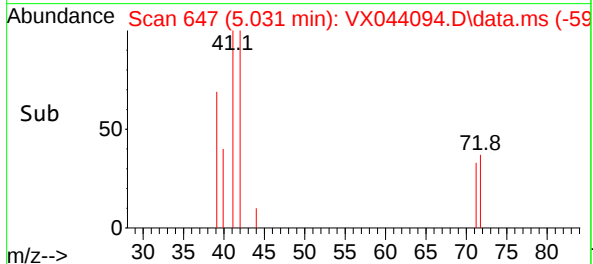
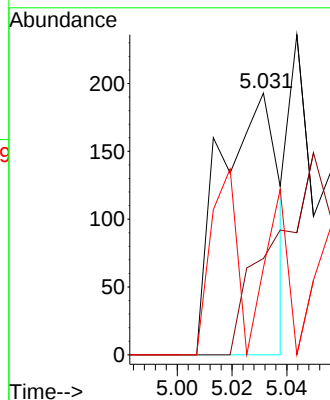
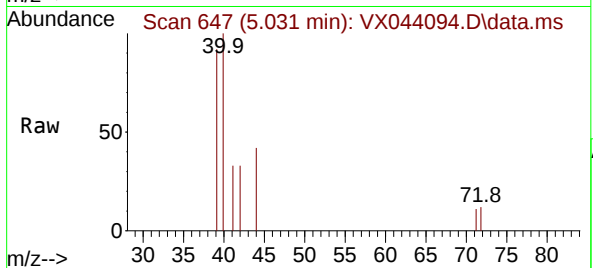
Acq: 03 Dec 2024 15:41

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 42	Resp: 284
Ion Ratio	Lower Upper
42	100
72	73.2 36.4 54.6#
71	23.9 33.4 50.0#



#31

Cyclohexane

Concen: 1.565 ug/l

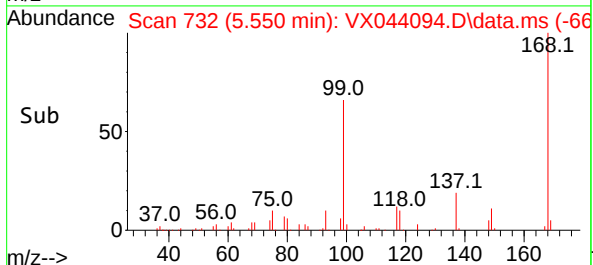
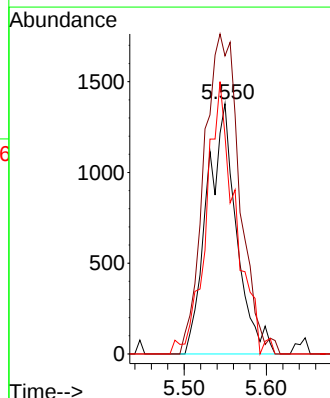
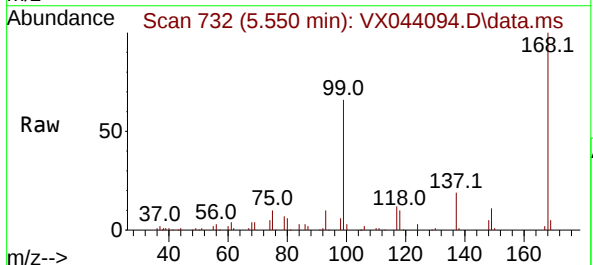
RT: 5.550 min Scan# 732

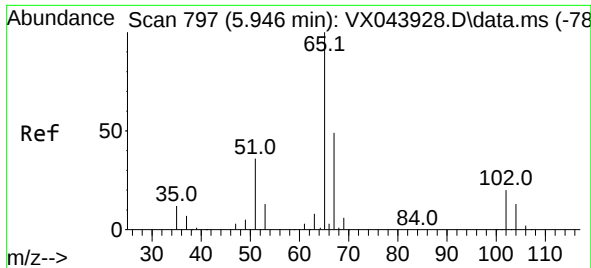
Delta R.T. 0.091 min

Lab File: VX044094.D

Acq: 03 Dec 2024 15:41

Tgt Ion: 56	Resp: 3424
Ion Ratio	Lower Upper
56	100
69	119.1 24.7 37.1#
84	87.2 68.7 103.1

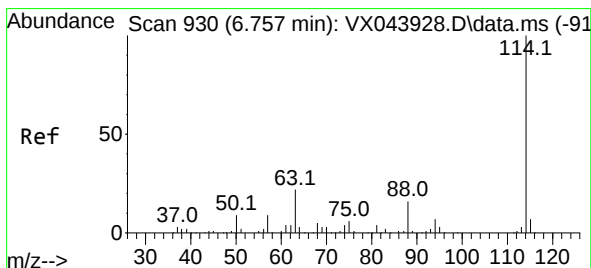
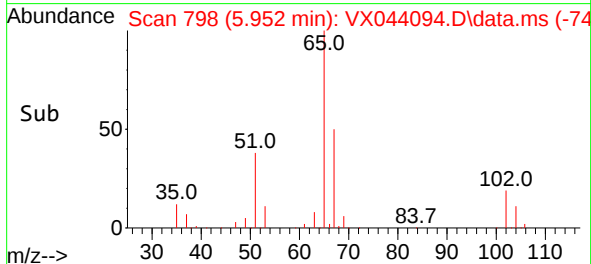
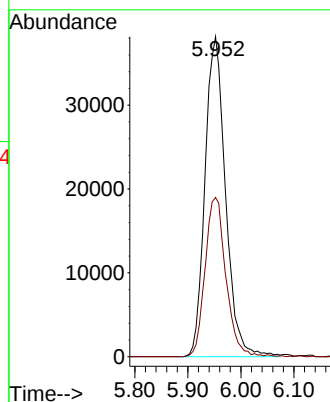
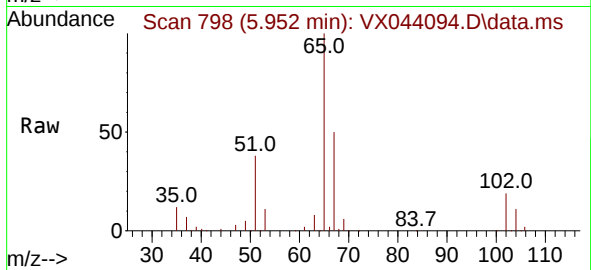




#33
1,2-Dichloroethane-d4
Concen: 52.352 ug/l
RT: 5.952 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

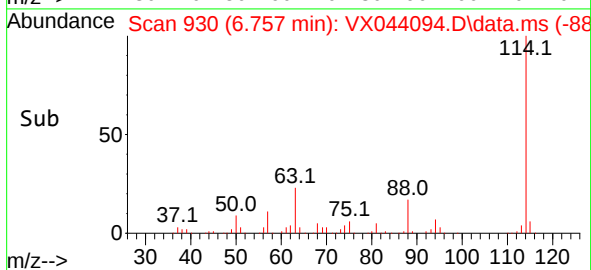
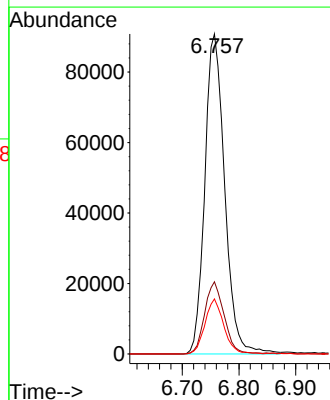
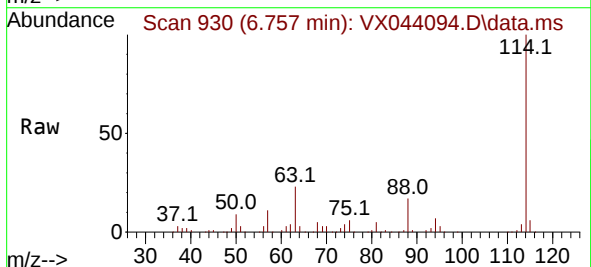
Instrument :
MSVOA_X
ClientSampleId :

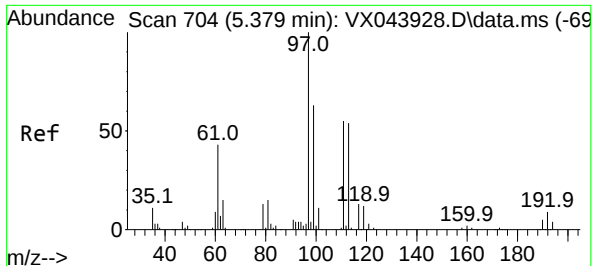
Tgt Ion: 65 Resp: 102769
Ion Ratio Lower Upper
65 100
67 50.3 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

Tgt Ion: 114 Resp: 221169
Ion Ratio Lower Upper
114 100
63 22.5 0.0 44.0
88 17.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 36.530 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044094.D

Acq: 03 Dec 2024 15:41

Instrument :

MSVOA_X

ClientSampleId :

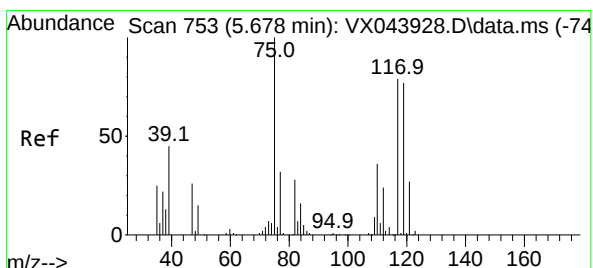
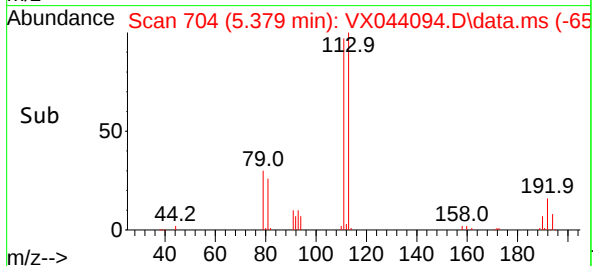
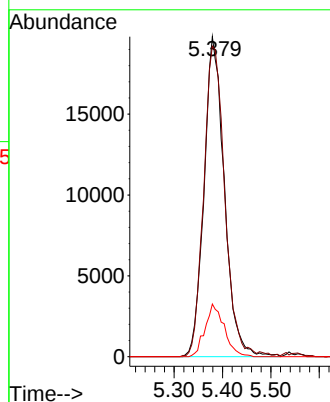
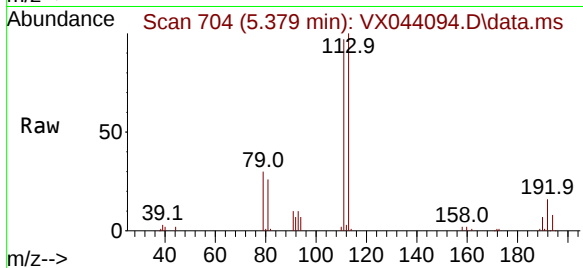
Tgt Ion:113 Resp: 57730

Ion Ratio Lower Upper

113 100

111 100.3 81.0 121.4

192 15.6 13.0 19.6



#36

1,1-Dichloropropene

Concen: 5.696 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX044094.D

Acq: 03 Dec 2024 15:41

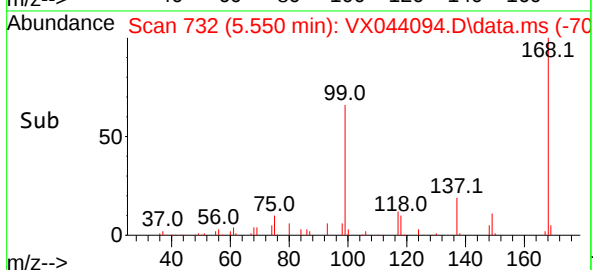
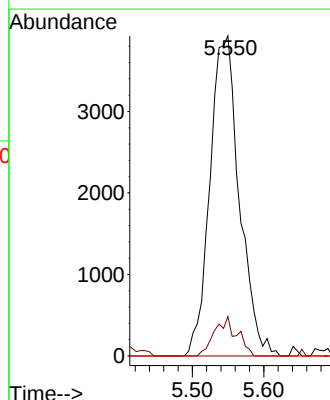
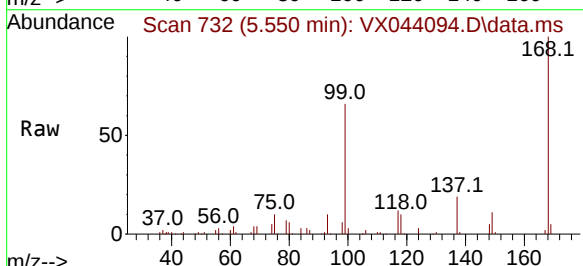
Tgt Ion: 75 Resp: 11217

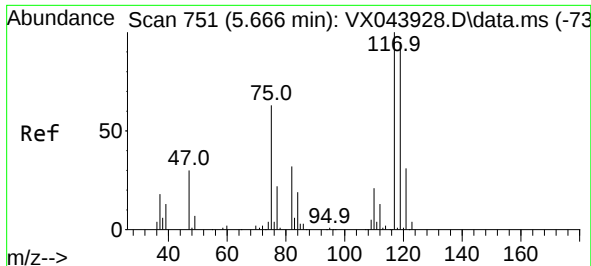
Ion Ratio Lower Upper

75 100

110 9.3 17.4 52.2#

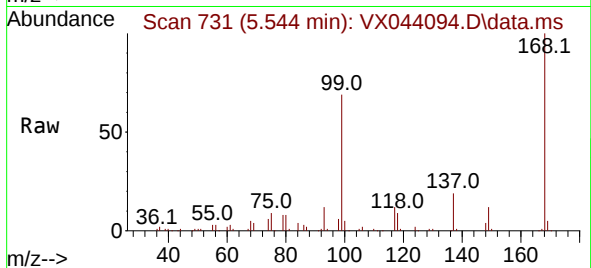
77 0.0 25.8 38.8#



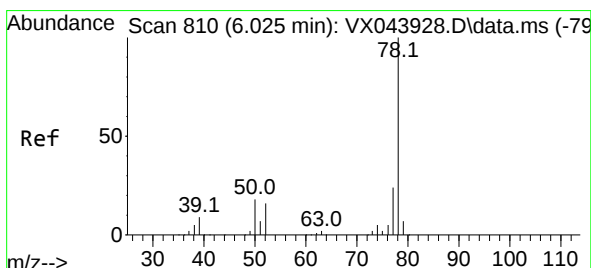
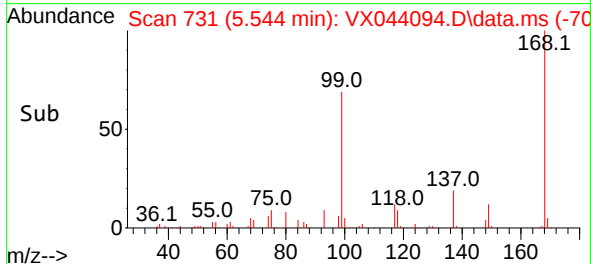
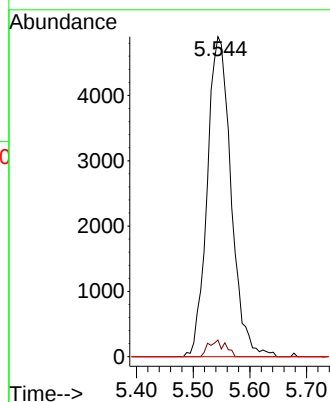


#38
Carbon Tetrachloride
Concen: 6.462 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

Instrument :
MSVOA_X
ClientSampleId :

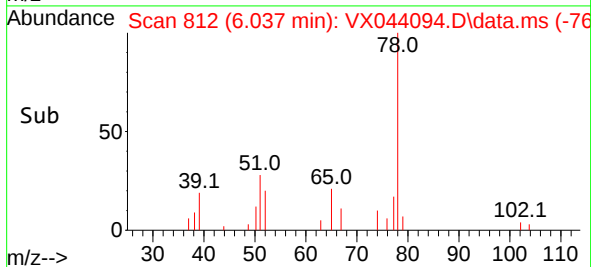
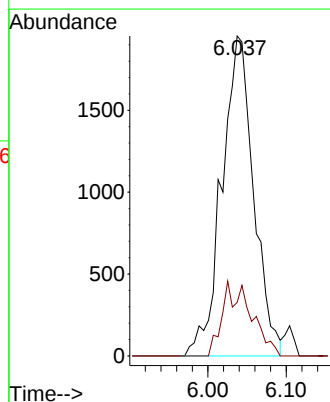
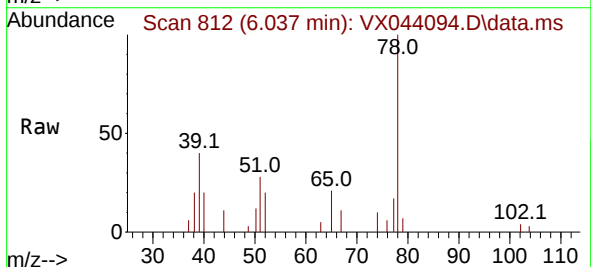


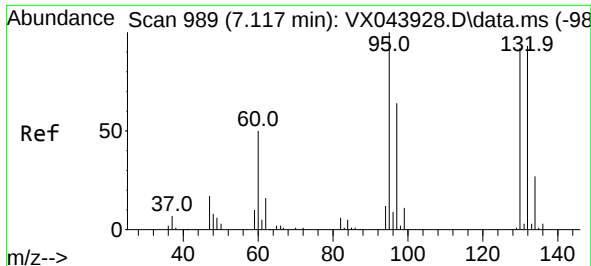
Tgt Ion:117 Resp: 14299
Ion Ratio Lower Upper
117 100
119 5.2 75.2 112.8#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 0.898 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.012 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

Tgt Ion: 78 Resp: 5508
Ion Ratio Lower Upper
78 100
77 16.7 19.2 28.8#

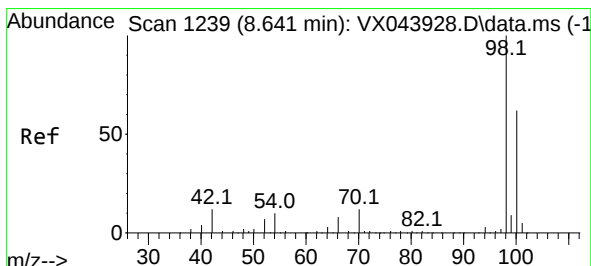
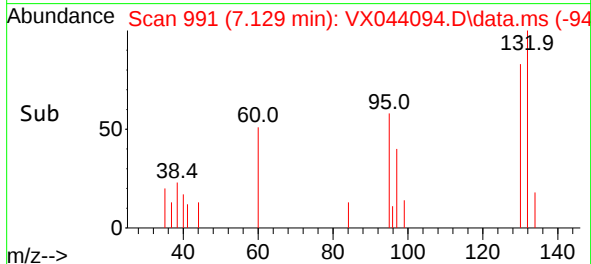
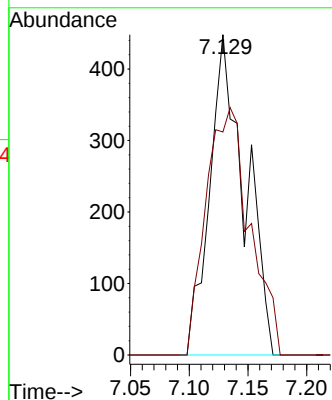
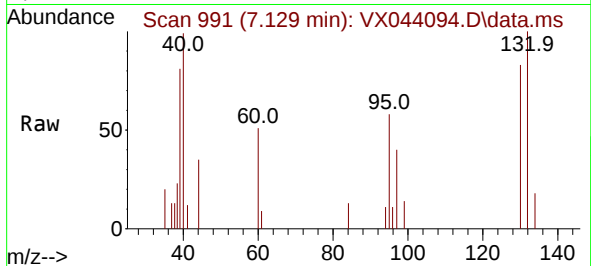




#44
Trichloroethene
Concen: 0.536 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

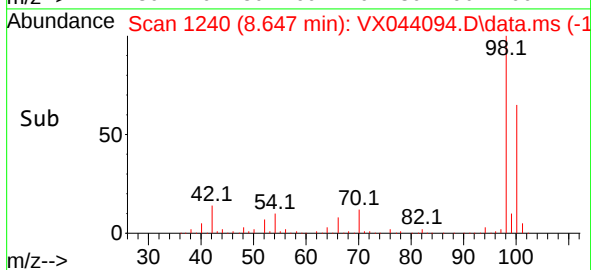
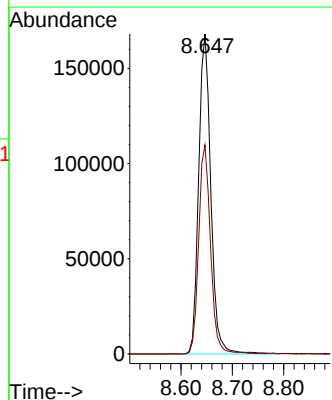
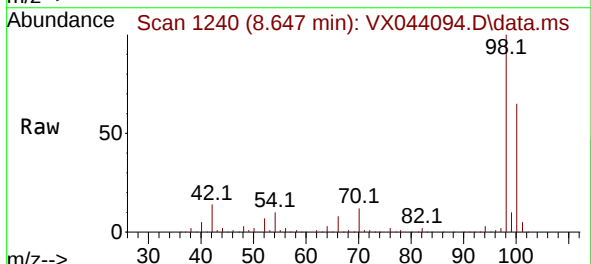
Instrument :
MSVOA_X
ClientSampleId :

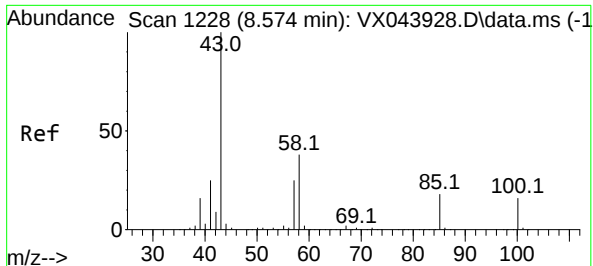
Tgt Ion:130 Resp: 930
Ion Ratio Lower Upper
130 100
95 69.6 0.0 217.8



#50
Toluene-d8
Concen: 50.671 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

Tgt Ion: 98 Resp: 276040
Ion Ratio Lower Upper
98 100
100 63.7 52.6 79.0

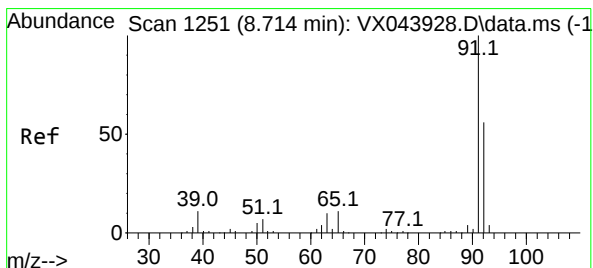
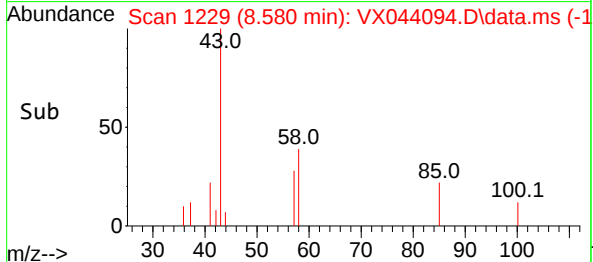
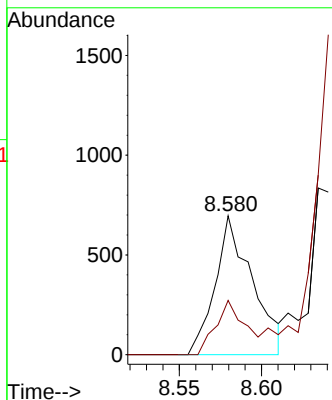
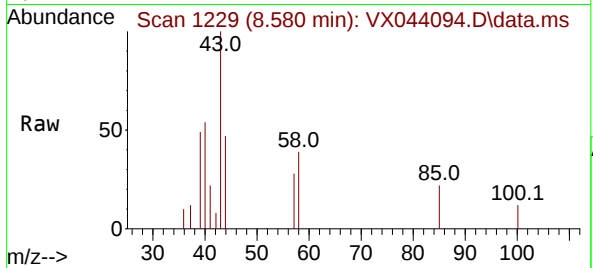




#51
4-Methyl-2-Pentanone
Concen: 0.461 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

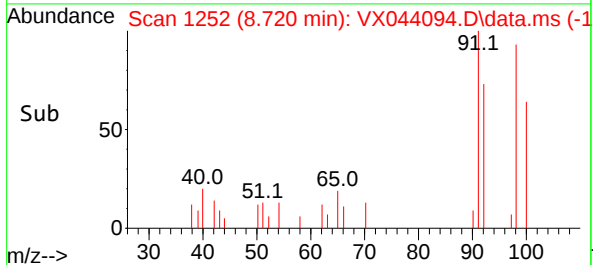
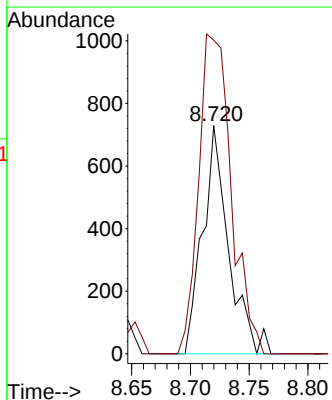
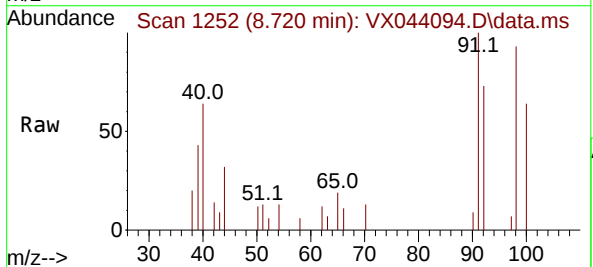
Instrument :
MSVOA_X
ClientSampleId :

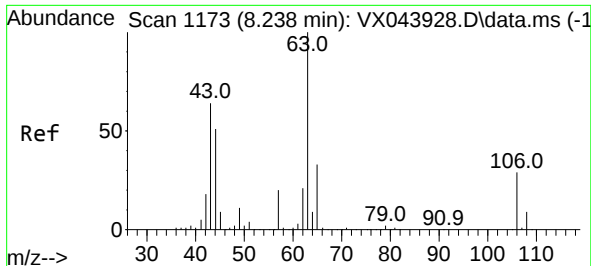
Tgt Ion: 43 Resp: 1094
Ion Ratio Lower Upper
43 100
58 31.0 30.0 45.0



#52
Toluene
Concen: 0.305 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

Tgt Ion: 92 Resp: 1120
Ion Ratio Lower Upper
92 100
91 176.3 139.7 209.5





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 7.964 min Scan# 1173

Delta R.T. -0.275 min

Lab File: VX044094.D

Acq: 03 Dec 2024 15:41

Instrument :

MSVOA_X

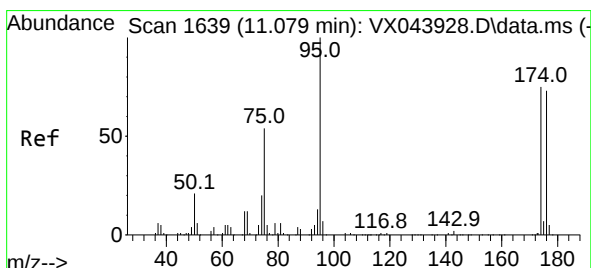
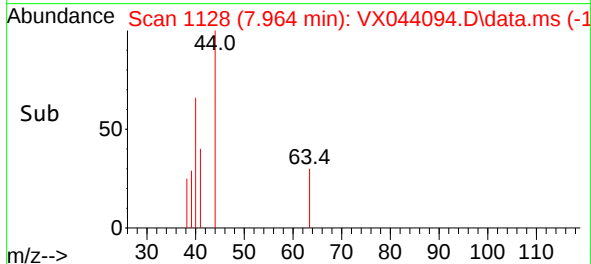
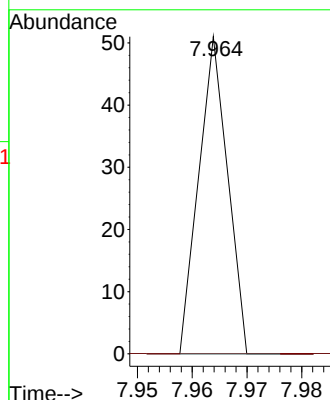
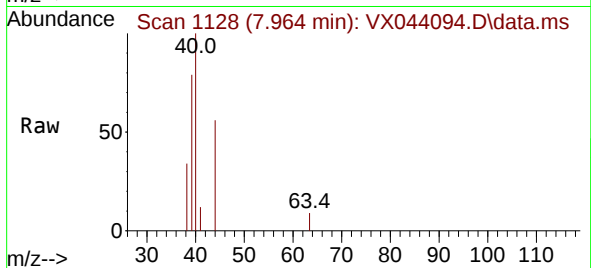
ClientSampleId :

Tgt Ion: 63 Resp: 19

Ion Ratio Lower Upper

63 100

106 0.0 23.0 34.6#



#62

4-Bromofluorobenzene

Concen: 50.091 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044094.D

Acq: 03 Dec 2024 15:41

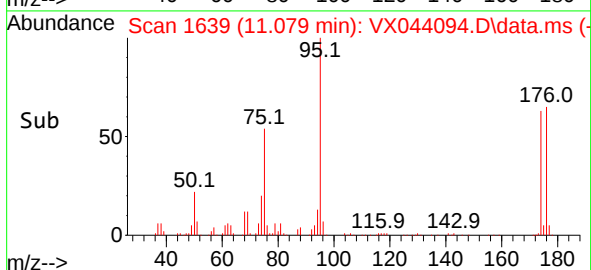
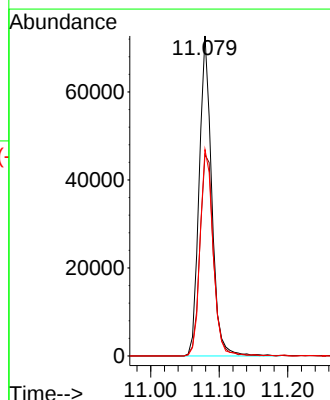
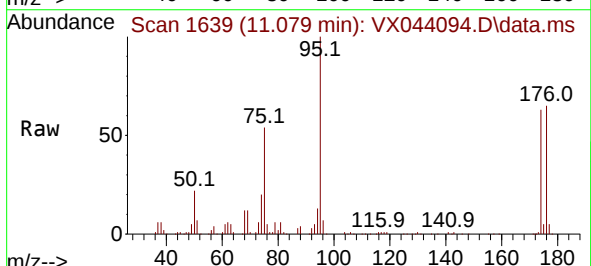
Tgt Ion: 95 Resp: 92868

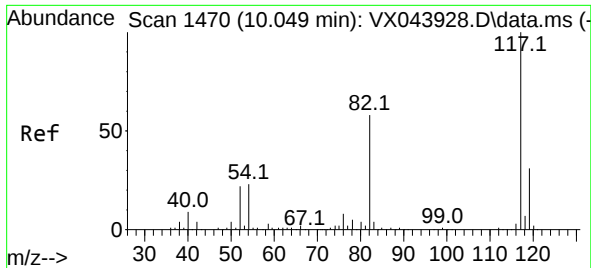
Ion Ratio Lower Upper

95 100

174 68.1 0.0 150.4

176 67.0 0.0 146.0

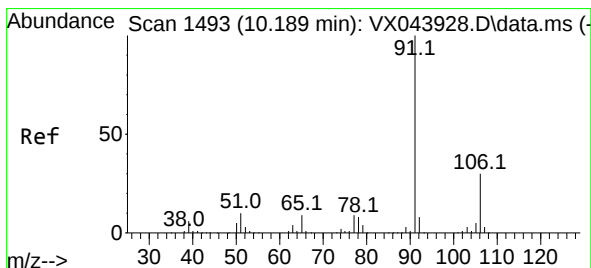
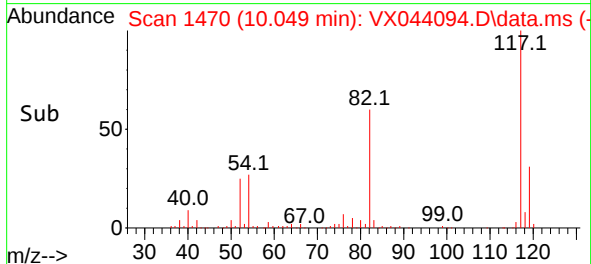
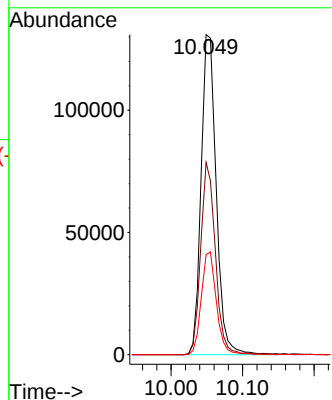
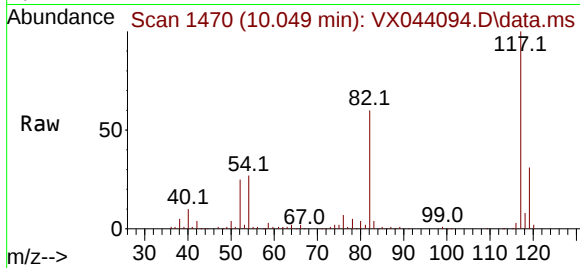




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

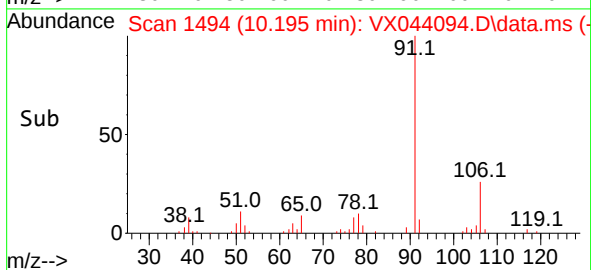
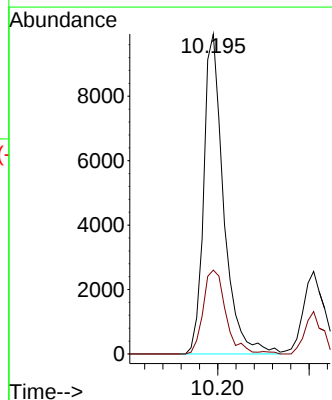
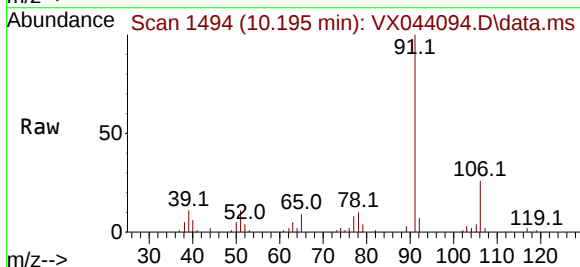
Instrument :
MSVOA_X
ClientSampleId :

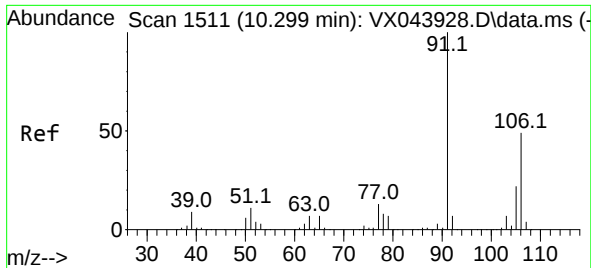
Tgt Ion:117 Resp: 192410
Ion Ratio Lower Upper
117 100
82 60.0 46.4 69.6
119 31.2 24.6 37.0



#67
Ethyl Benzene
Concen: 2.095 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

Tgt Ion: 91 Resp: 15002
Ion Ratio Lower Upper
91 100
106 26.2 23.6 35.4

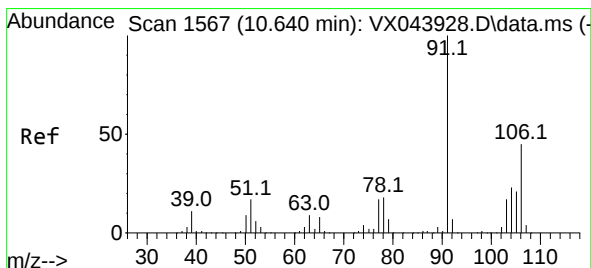
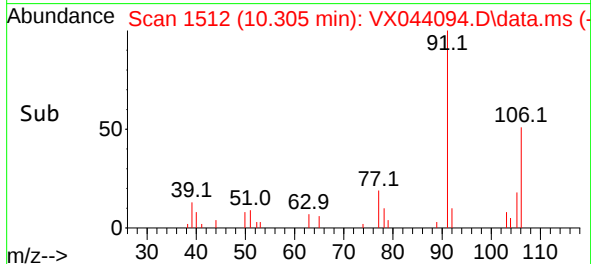
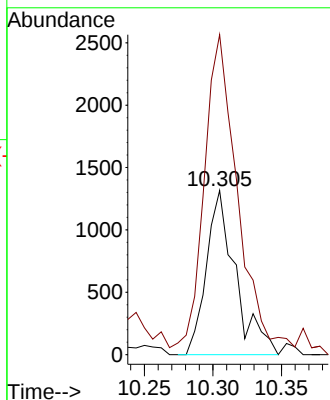
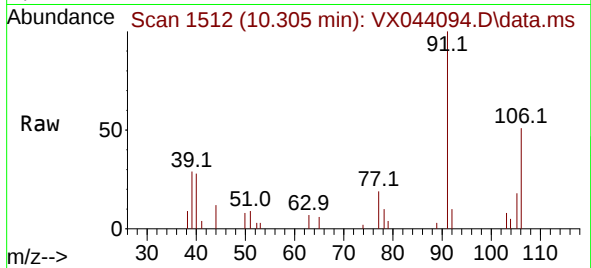




#68
m/p-Xylenes
Concen: 0.726 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

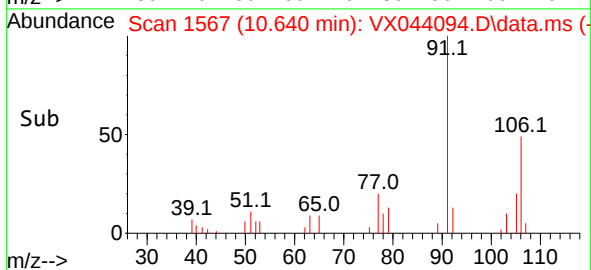
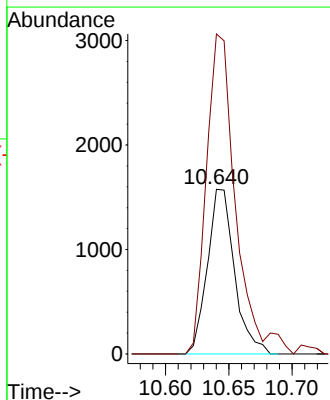
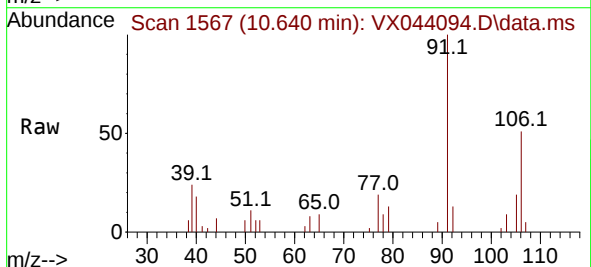
Instrument :
MSVOA_X
ClientSampleId :

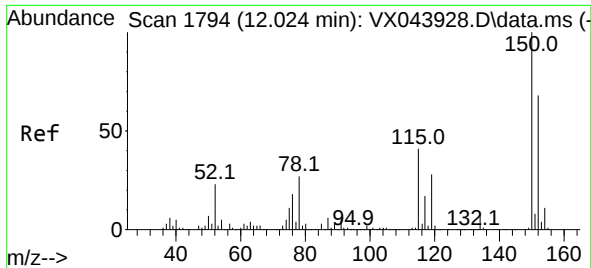
Tgt Ion:106 Resp: 1940
Ion Ratio Lower Upper
106 100
91 215.9 168.1 252.1



#69
o-Xylene
Concen: 0.900 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

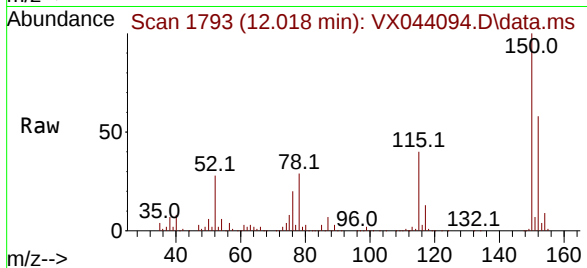
Tgt Ion:106 Resp: 2347
Ion Ratio Lower Upper
106 100
91 209.2 110.2 330.6



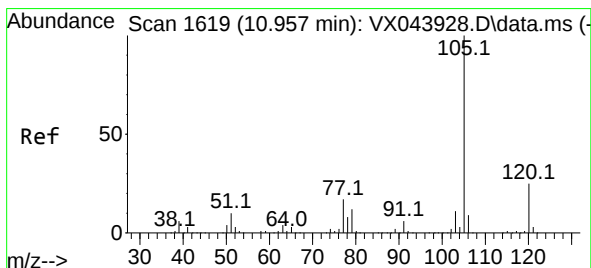
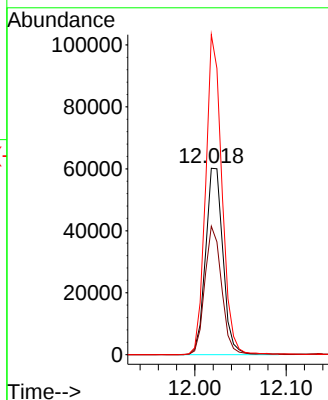
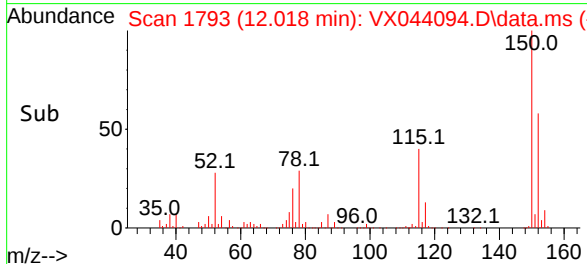


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

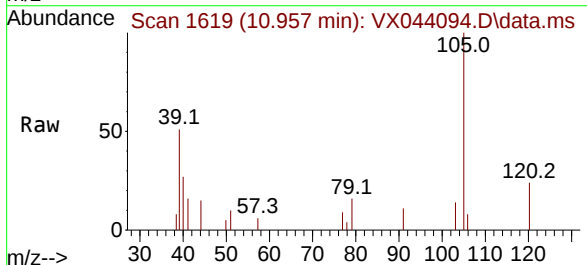
Instrument :
MSVOA_X
ClientSampleId :



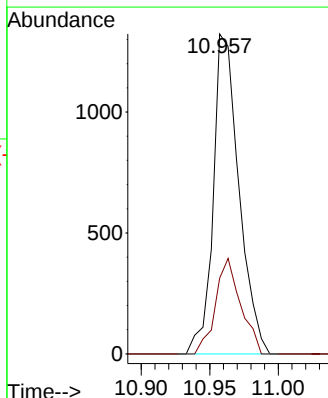
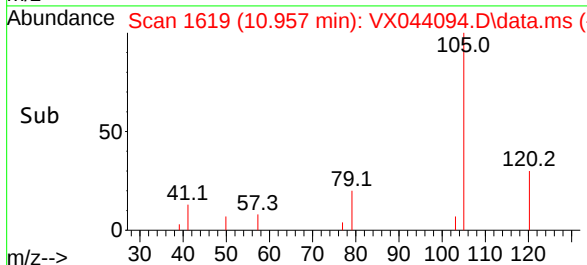
Tgt Ion:152 Resp: 79632
Ion Ratio Lower Upper
152 100
115 66.8 45.4 136.2
150 160.5 0.0 353.0

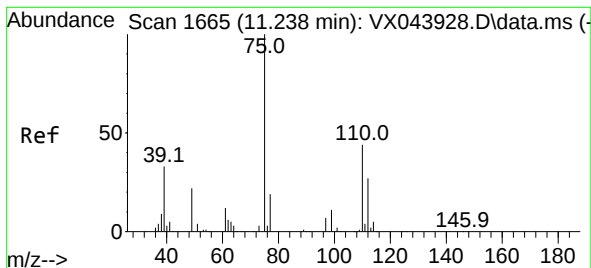


#73
Isopropylbenzene
Concen: 0.281 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41



Tgt Ion:105 Resp: 1723
Ion Ratio Lower Upper
105 100
120 29.3 13.0 38.9

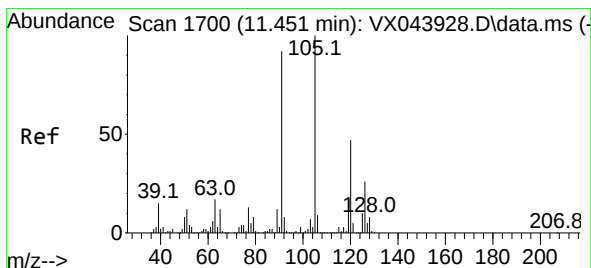
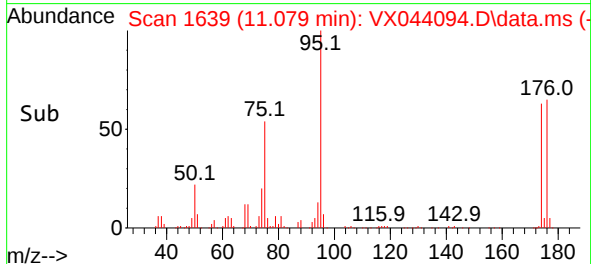
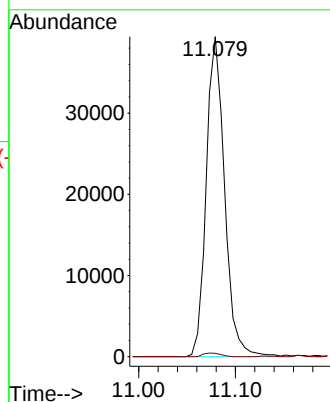
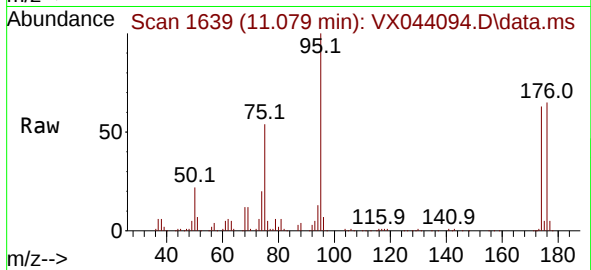




#76
1,2,3-Trichloropropane
Concen: 29.780 ug/l
RT: 11.079 min Scan# 1100
Delta R.T. -0.159 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

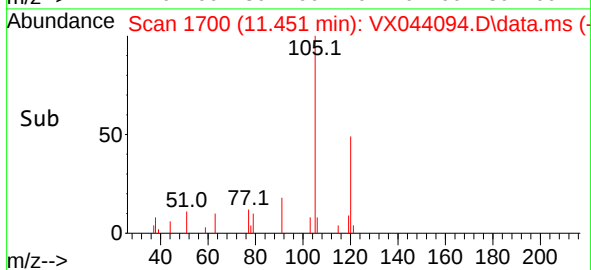
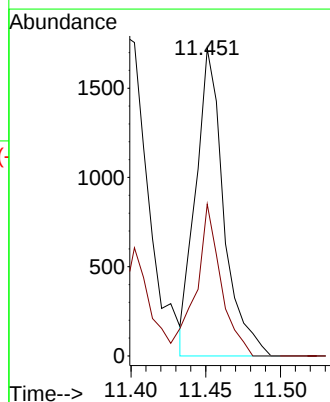
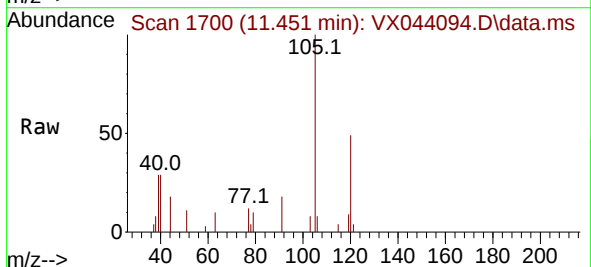
Instrument :
MSVOA_X
ClientSampleId :

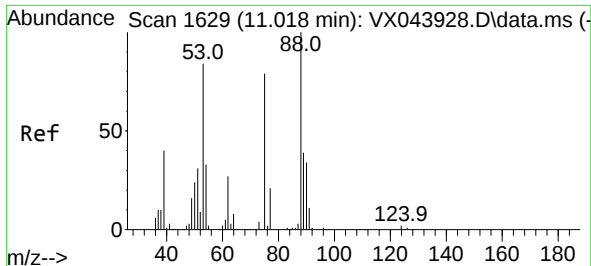
Tgt Ion: 75 Resp: 52006
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.445 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

Tgt Ion:105 Resp: 2241
Ion Ratio Lower Upper
105 100
120 44.1 23.3 69.8

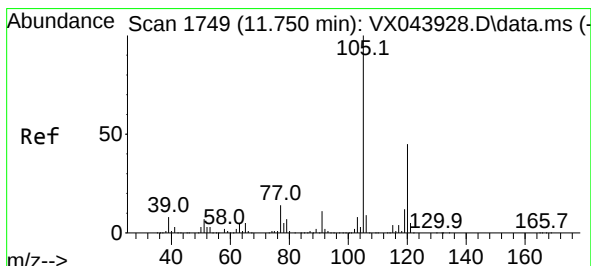
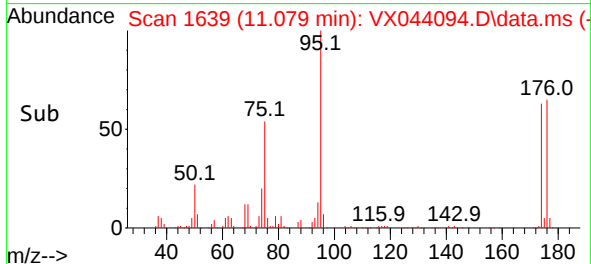
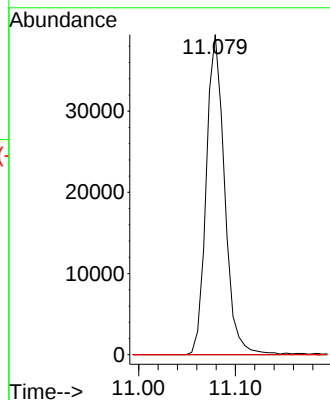
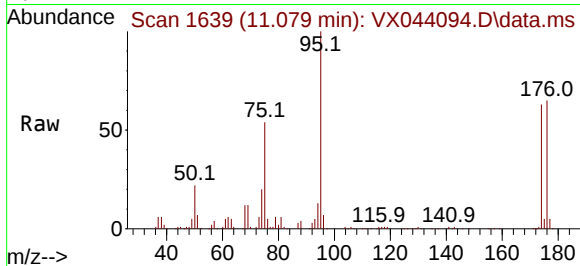




#81
trans-1,4-Dichloro-2-butene
Concen: 81.264 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

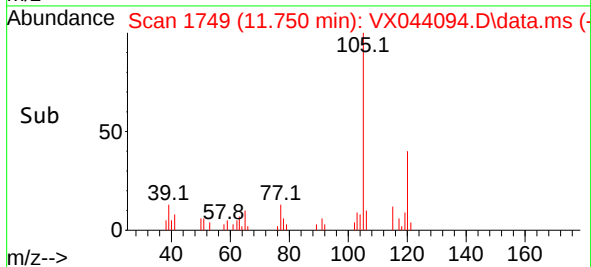
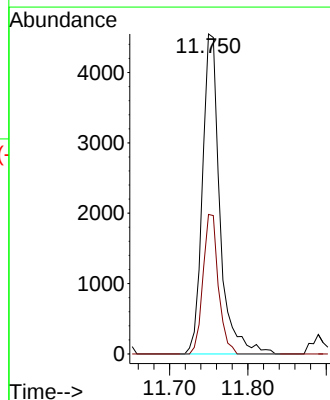
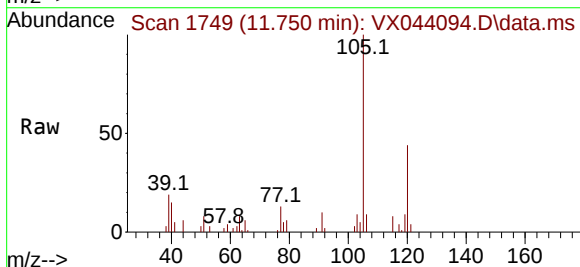
Instrument :
MSVOA_X
ClientSampleId :

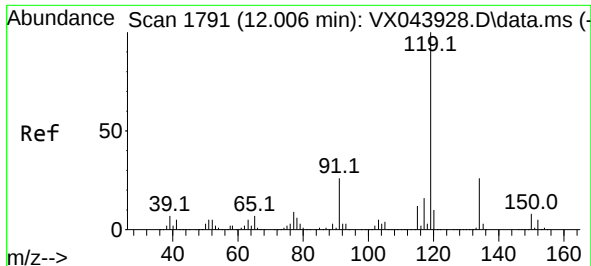
Tgt Ion: 75 Resp: 52006
Ion Ratio Lower Upper
75 100
53 0.0 86.7 130.1#
89 0.0 38.2 57.2#



#84
1,2,4-Trimethylbenzene
Concen: 1.402 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044094.D
Acq: 03 Dec 2024 15:41

Tgt Ion:105 Resp: 7027
Ion Ratio Lower Upper
105 100
120 38.5 21.9 65.7





#86

p-Isopropyltoluene

Concen: 0.223 ug/l

RT: 12.012 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VX044094.D

Acq: 03 Dec 2024 15:41

Instrument :

MSVOA_X

ClientSampleId :

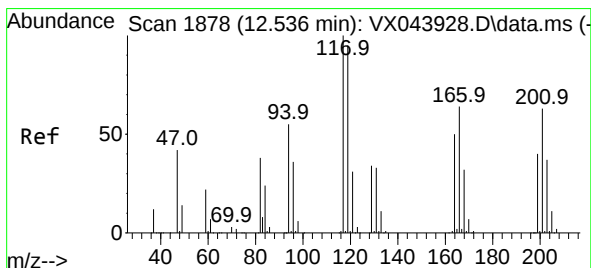
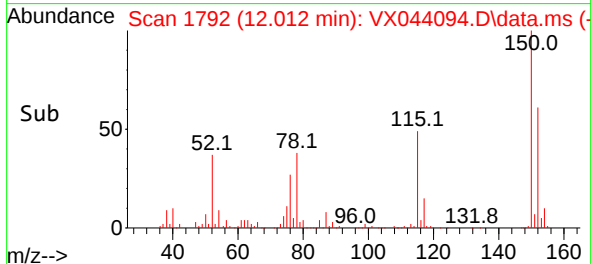
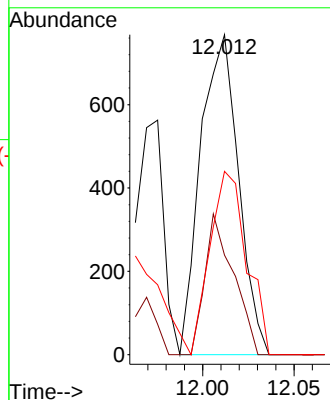
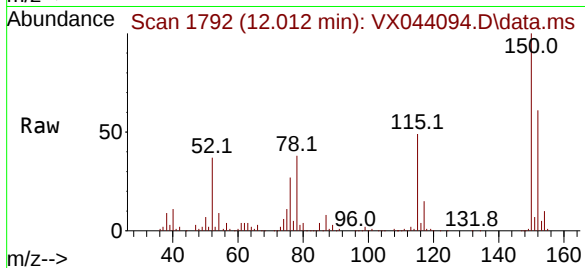
Tgt Ion:119 Resp: 1109

Ion Ratio Lower Upper

119 100

134 33.2 13.0 38.9

91 55.5 13.0 38.9#



#90

Hexachloroethane

Concen: 2.317 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.164 min

Lab File: VX044094.D

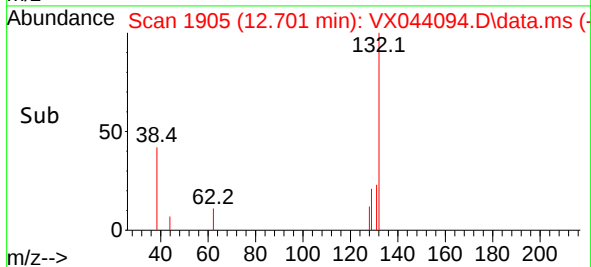
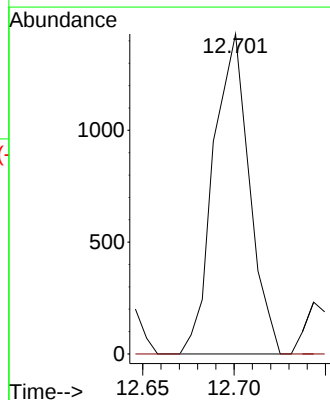
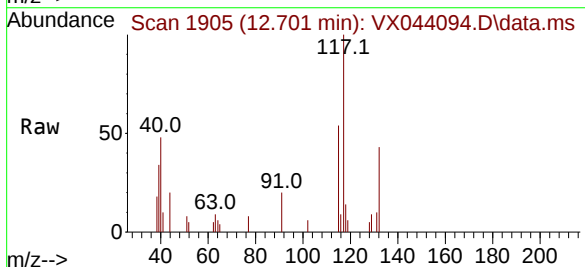
Acq: 03 Dec 2024 15:41

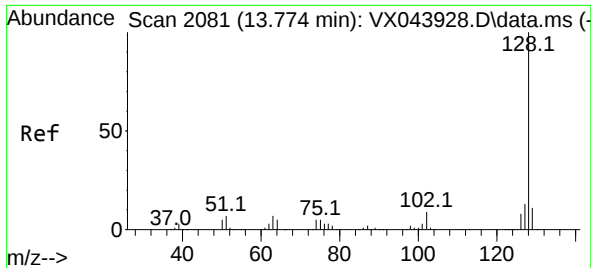
Tgt Ion:117 Resp: 1957

Ion Ratio Lower Upper

117 100

201 0.0 32.4 97.0#





#95

Naphthalene

Concen: 87.161 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

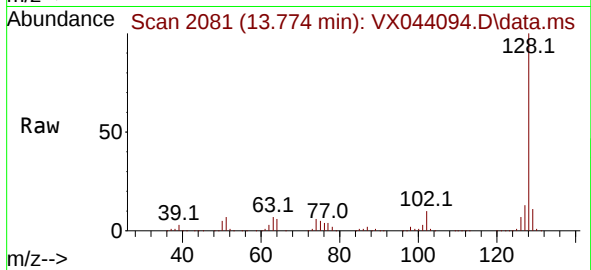
Lab File: VX044094.D

Acq: 03 Dec 2024 15:41

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 496465

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.9 8.6 12.8

