

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121322\
 Data File : VX033391.D
 Acq On : 13 Dec 2022 14:44
 Operator : JC/MD
 Sample : N6001-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6M

Quant Time: Dec 14 05:38:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

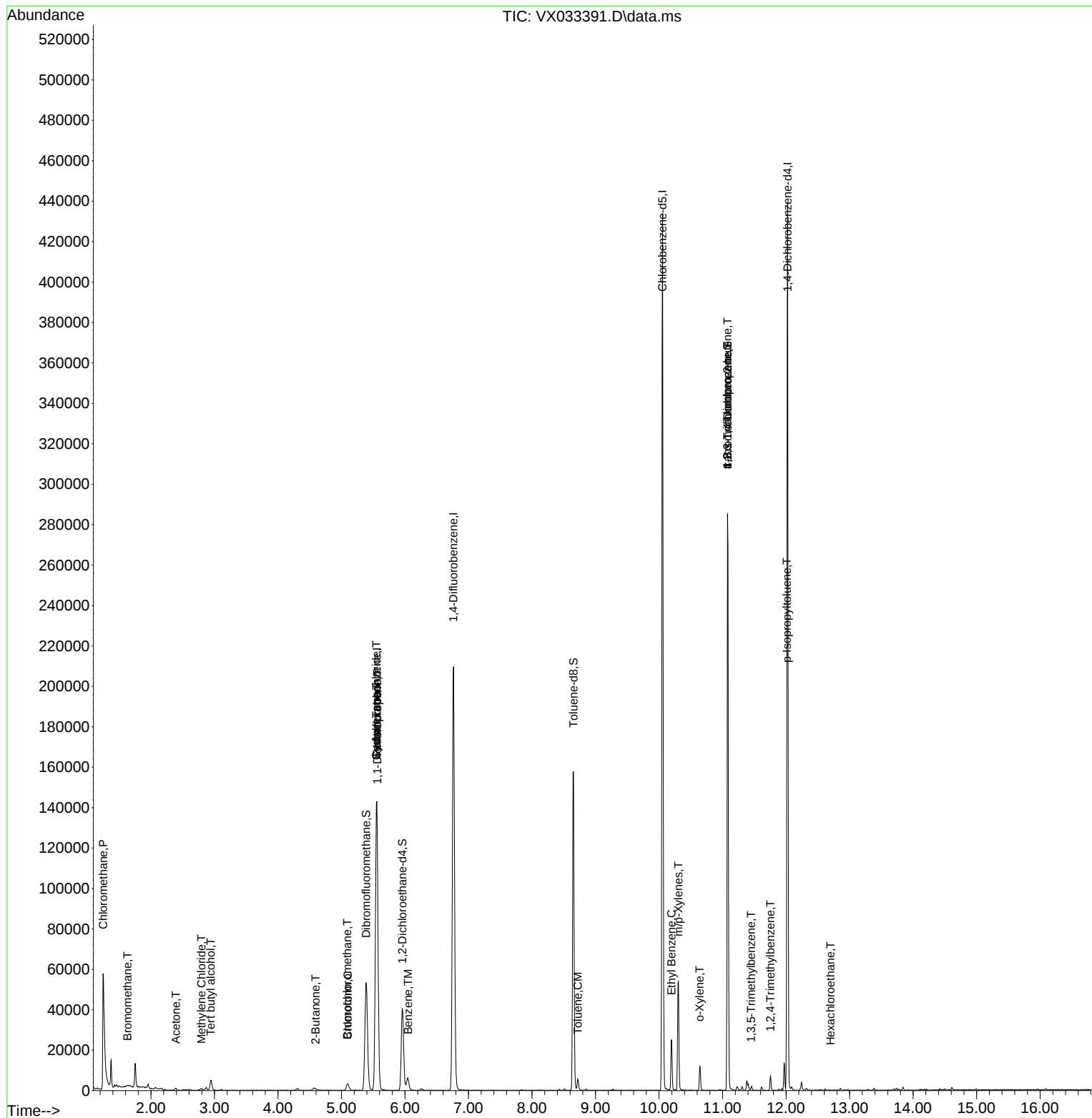
Internal Standards						
1) Pentafluorobenzene	5.555	168	139160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	221430	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	41641	46.643	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.280%
35) Dibromofluoromethane	5.385	113	47845	48.040	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.080%
50) Toluene-d8	8.652	98	98580	47.315	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.640%
62) 4-Bromofluorobenzene	11.079	95	75631	47.475	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.960%
Target Compounds						
					Qvalue	
3) Chloromethane	1.245	50	1936	1.722	ug/l #	43
5) Bromomethane	1.629	94	206	0.219	ug/l #	74
11) Tert butyl alcohol	2.940	59	3139	11.500	ug/l #	72
16) Acetone	2.391	43	1338	2.025	ug/l	98
20) Methylene Chloride	2.794	84	390	0.265	ug/l #	69
25) 2-Butanone	4.592	43	208	0.219	ug/l #	47
28) Bromochloromethane	5.092	49	240	0.226	ug/l #	9
30) Chloroform	5.098	83	4242	1.507	ug/l	94
31) Cyclohexane	5.549	56	2628	1.239	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10423	5.368	ug/l #	49
38) Carbon Tetrachloride	5.549	117	14423	6.630	ug/l #	15
40) Benzene	6.049	78	7675	1.356	ug/l	92
52) Toluene	8.720	92	2204	0.602	ug/l	93
67) Ethyl Benzene	10.195	91	15172	2.189	ug/l	98
68) m/p-Xylenes	10.305	106	13561	5.028	ug/l	97
69) o-Xylene	10.640	106	2709	1.016	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	38793	21.002	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.451	105	1239	0.226	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	38793	65.332	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	3625	0.663	ug/l	98
86) p-Isopropyltoluene	12.012	119	1344	0.245	ug/l	83
90) Hexachloroethane	12.701	117	191	0.205	ug/l #	12

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

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QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration

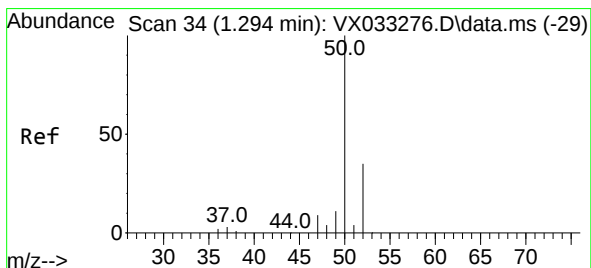
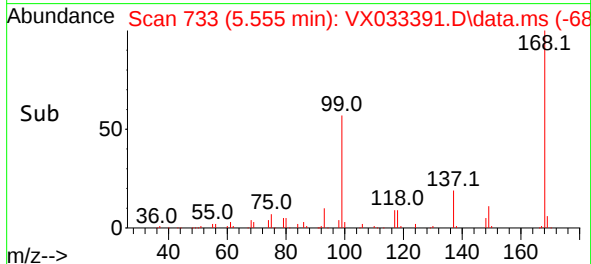
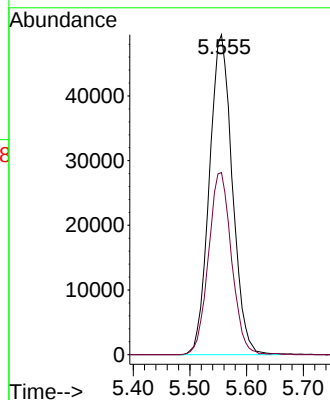
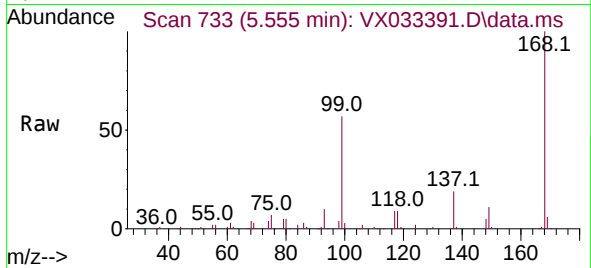




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

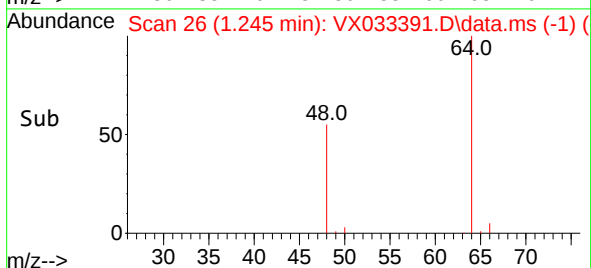
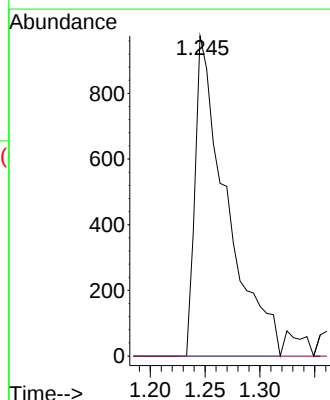
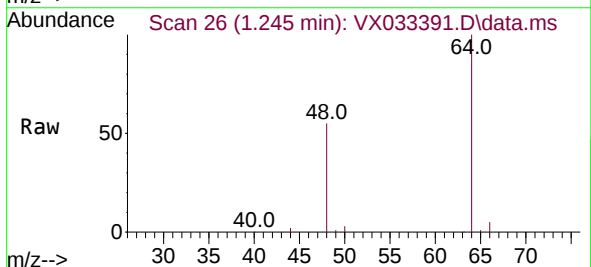
Instrument :
MSVOA_X
ClientSampleId :
MW-6M

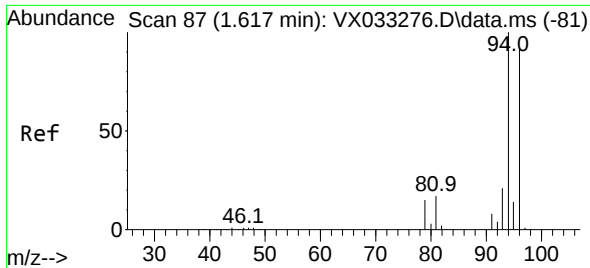
Tgt Ion:168 Resp: 139160
Ion Ratio Lower Upper
168 100
99 56.9 46.1 69.1



#3
Chloromethane
Concen: 1.722 ug/l
RT: 1.245 min Scan# 26
Delta R.T. -0.049 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

Tgt Ion: 50 Resp: 1936
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

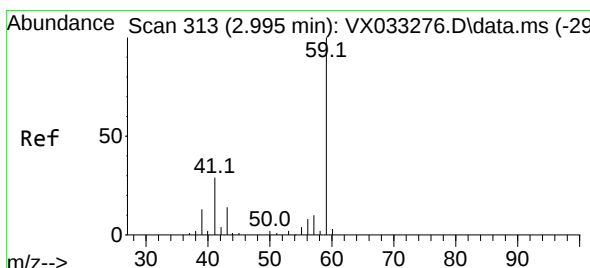
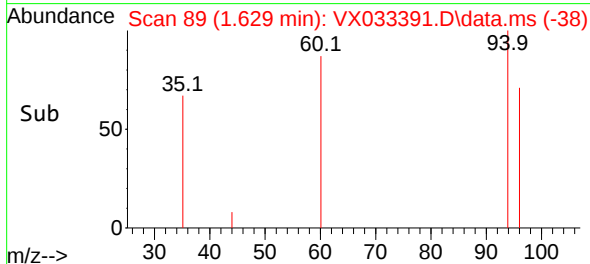
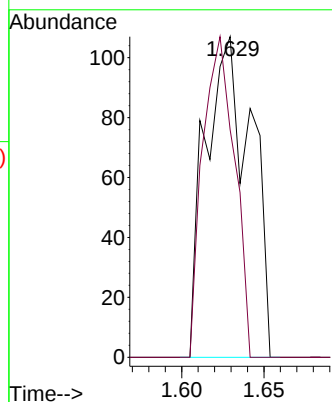
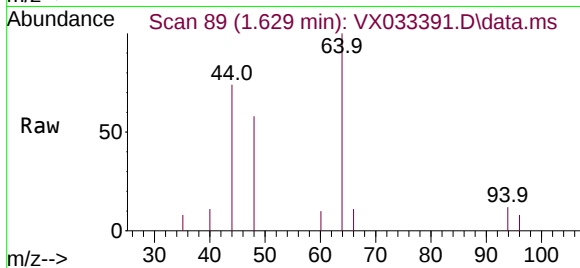




#5
Bromomethane
Concen: 0.219 ug/l
RT: 1.629 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

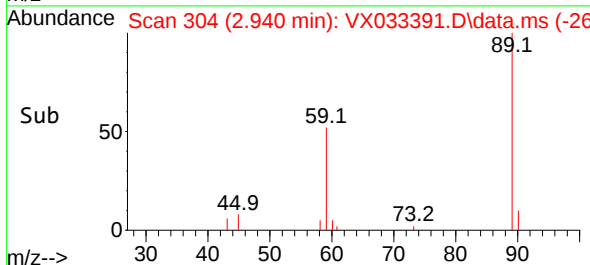
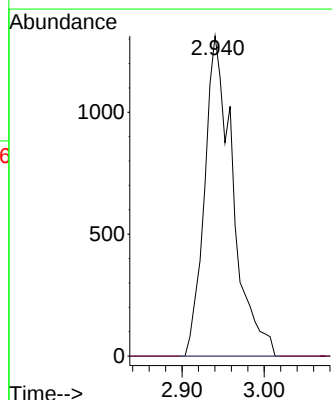
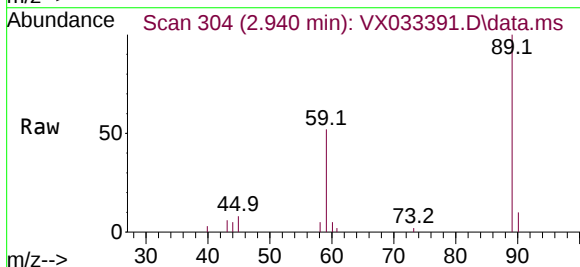
Instrument :
MSVOA_X
ClientSampleId :
MW-6M

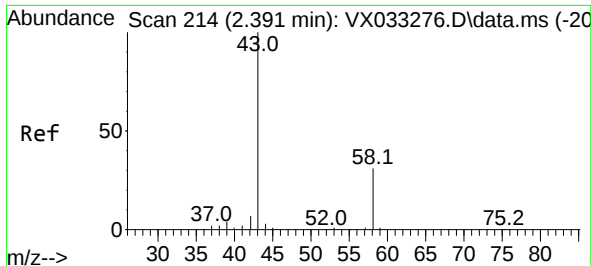
Tgt Ion: 94 Resp: 206
Ion Ratio Lower Upper
94 100
96 71.0 77.6 116.4#



#11
Tert butyl alcohol
Concen: 11.500 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

Tgt Ion: 59 Resp: 3139
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

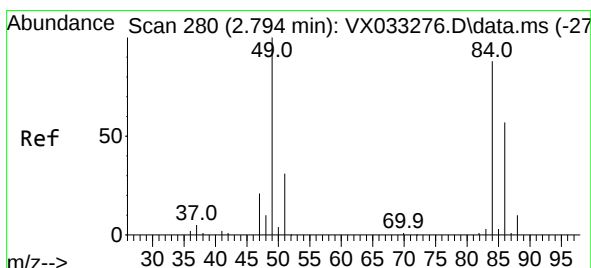
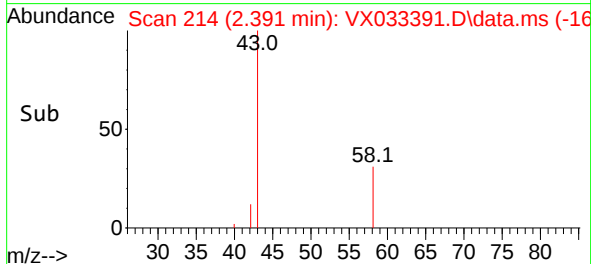
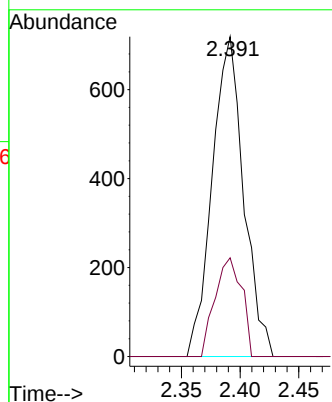
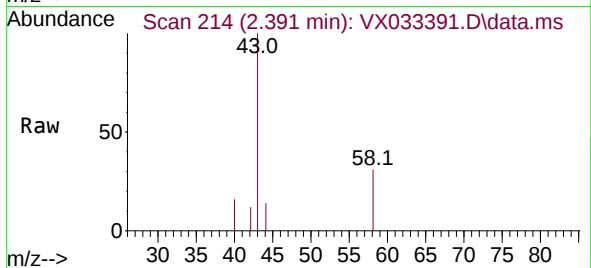




#16
Acetone
Concen: 2.025 ug/l
RT: 2.391 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

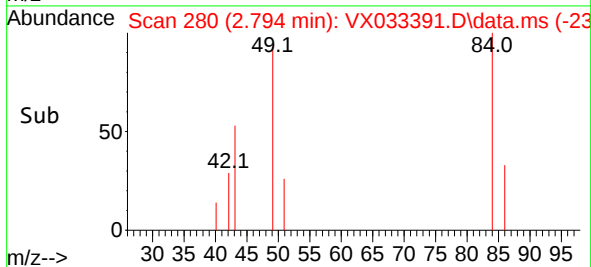
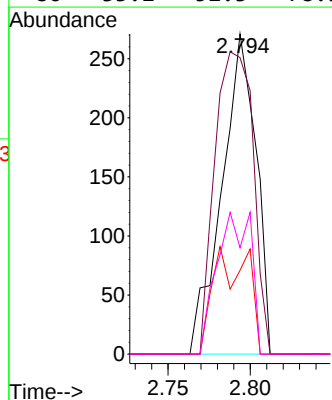
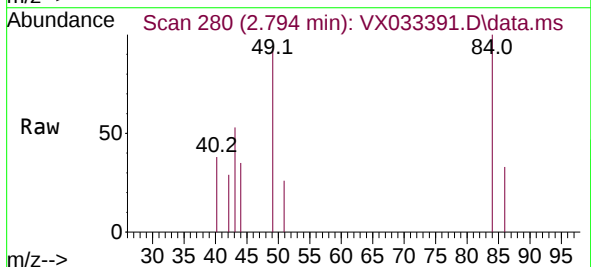
Instrument :
MSVOA_X
ClientSampleId :
MW-6M

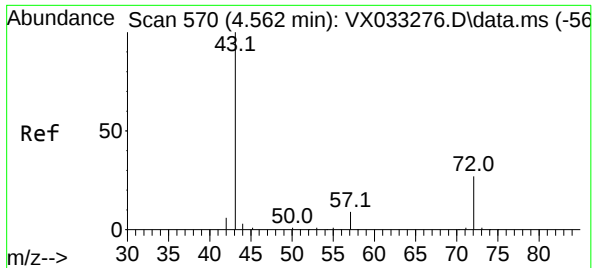
Tgt Ion: 43 Resp: 1338
Ion Ratio Lower Upper
43 100
58 30.9 23.8 35.8



#20
Methylene Chloride
Concen: 0.265 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

Tgt Ion: 84 Resp: 390
Ion Ratio Lower Upper
84 100
49 92.6 101.0 151.6#
51 26.2 31.1 46.7#
86 33.2 52.3 78.5#

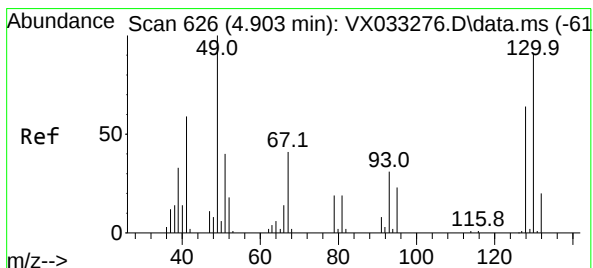
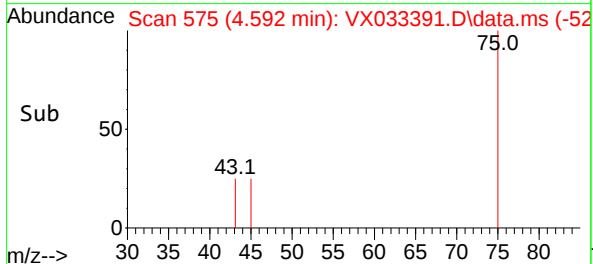
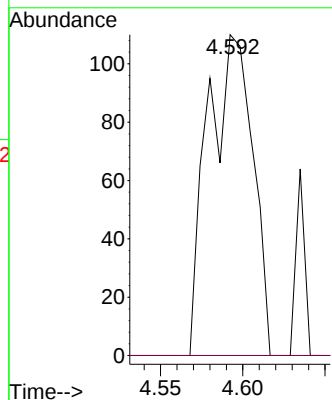
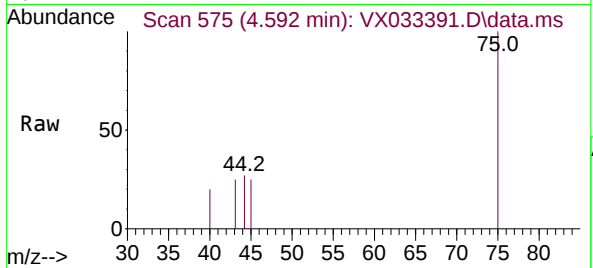




#25
2-Butanone
Concen: 0.219 ug/l
RT: 4.592 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

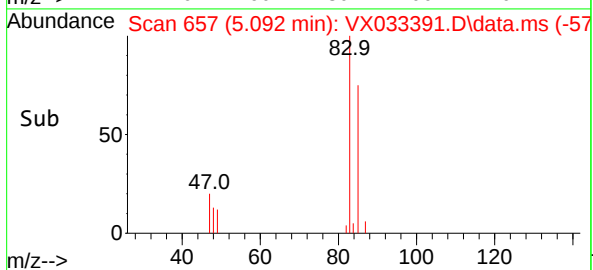
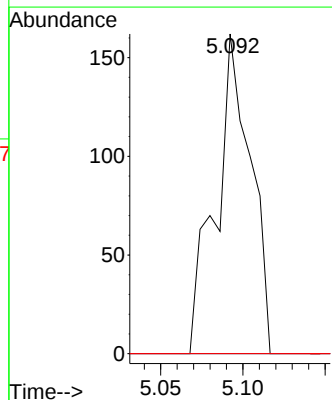
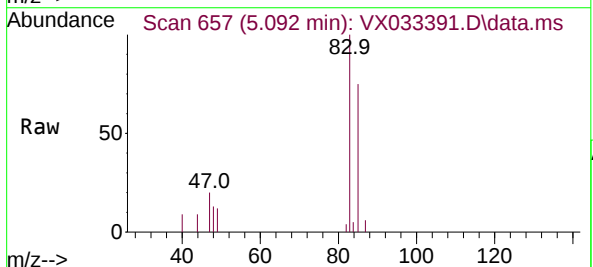
Instrument :
MSVOA_X
ClientSampleId :
MW-6M

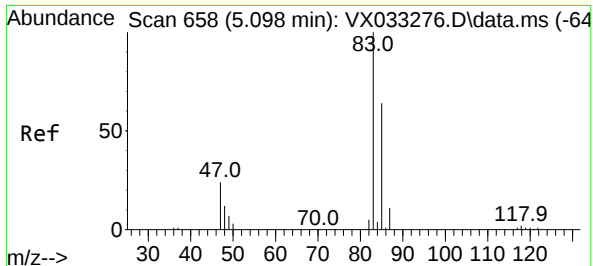
Tgt Ion: 43 Resp: 208
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#



#28
Bromochloromethane
Concen: 0.226 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.189 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

Tgt Ion: 49 Resp: 240
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 67.5 101.3#





#30

Chloroform

Concen: 1.507 ug/l

RT: 5.098 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX033391.D

Acq: 13 Dec 2022 14:44

Instrument :

MSVOA_X

ClientSampleId :

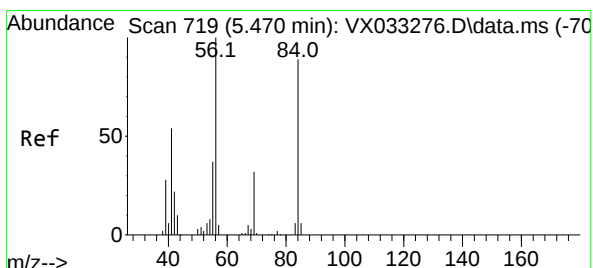
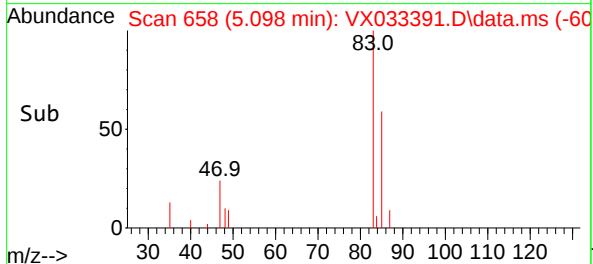
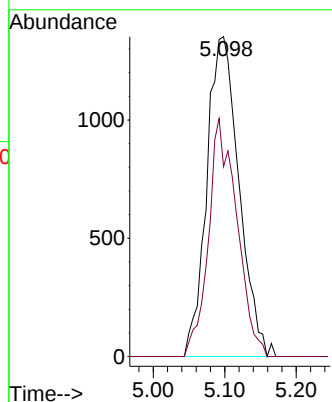
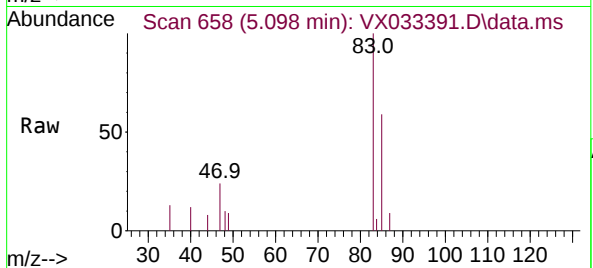
MW-6M

Tgt Ion: 83 Resp: 4242

Ion Ratio Lower Upper

83 100

85 59.4 51.1 76.7



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033391.D

Acq: 13 Dec 2022 14:44

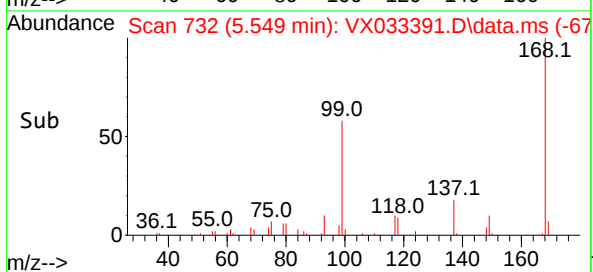
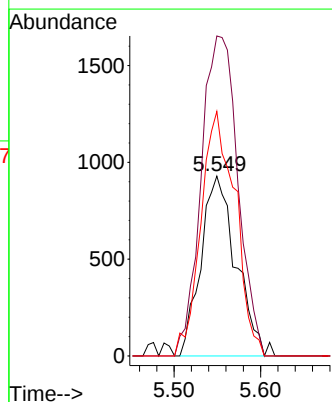
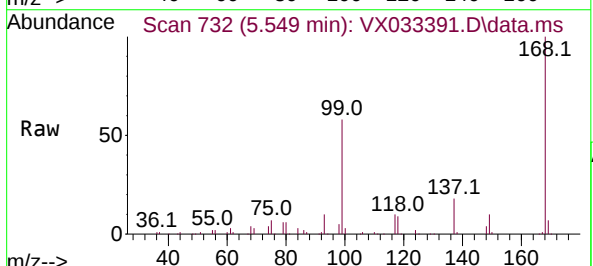
Tgt Ion: 56 Resp: 2628

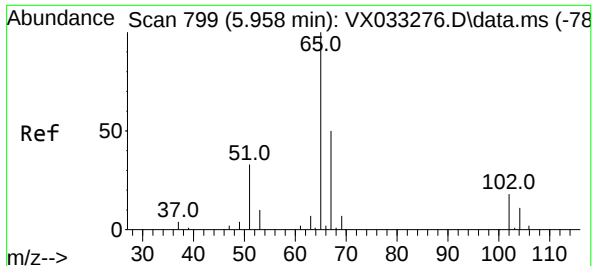
Ion Ratio Lower Upper

56 100

69 177.9 24.1 36.1#

84 136.0 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 46.643 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033391.D

Acq: 13 Dec 2022 14:44

Instrument :

MSVOA_X

ClientSampleId :

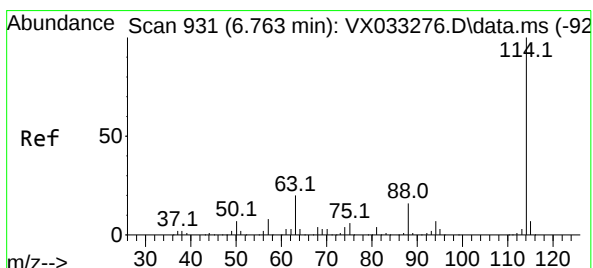
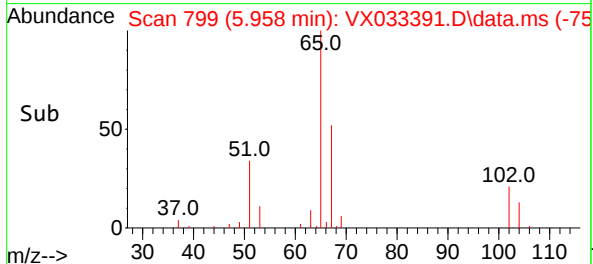
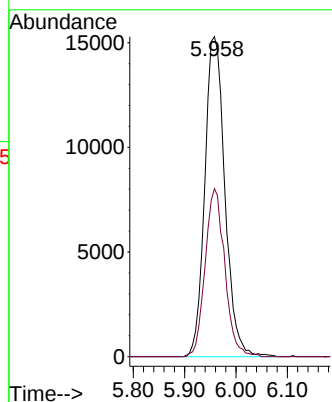
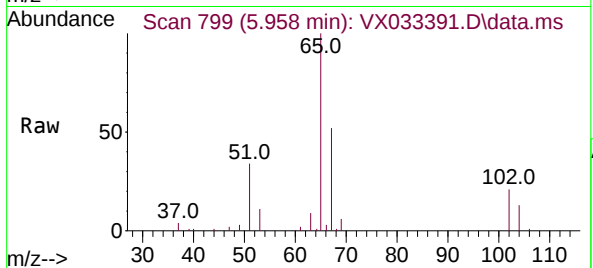
MW-6M

Tgt Ion: 65 Resp: 41641

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033391.D

Acq: 13 Dec 2022 14:44

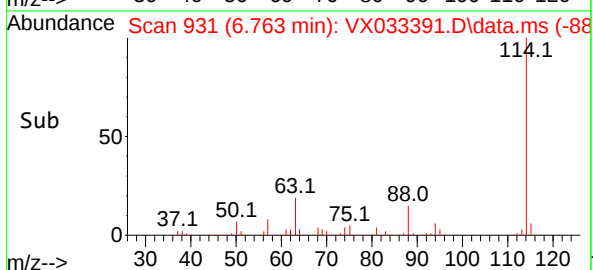
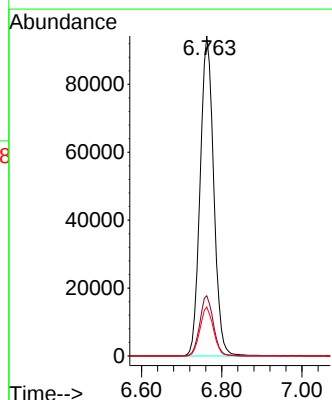
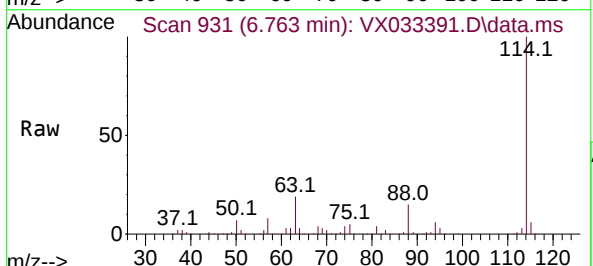
Tgt Ion: 114 Resp: 221430

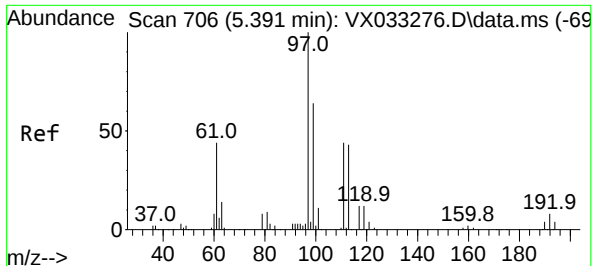
Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.6

88 15.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.040 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX033391.D

Acq: 13 Dec 2022 14:44

Instrument :

MSVOA_X

ClientSampleId :

MW-6M

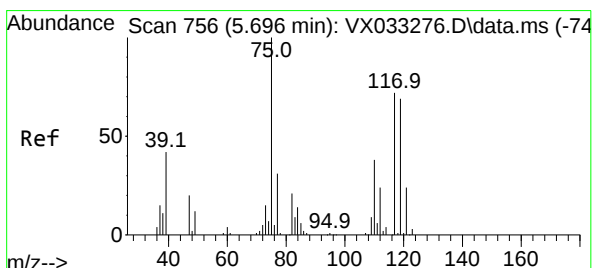
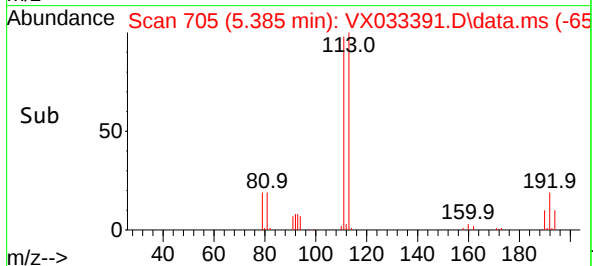
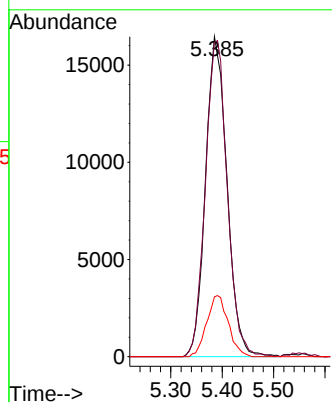
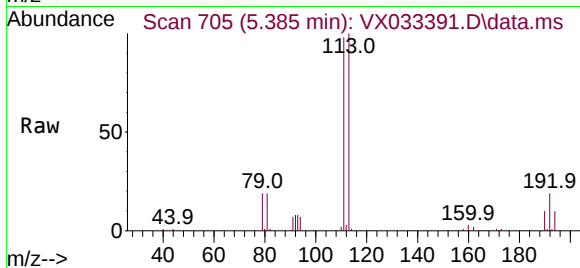
Tgt Ion:113 Resp: 47845

Ion Ratio Lower Upper

113 100

111 100.6 82.4 123.6

192 19.1 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.368 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX033391.D

Acq: 13 Dec 2022 14:44

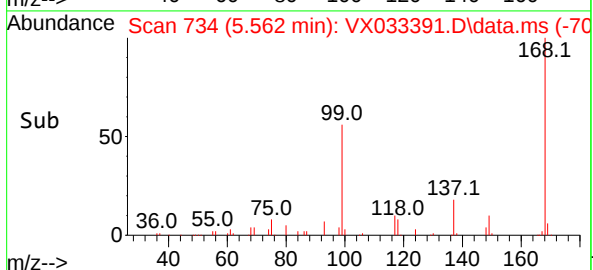
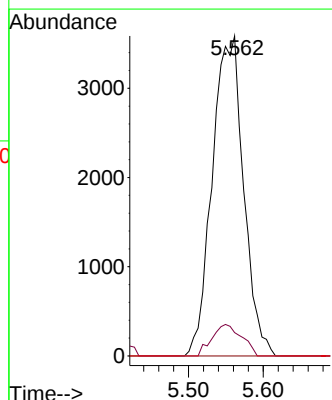
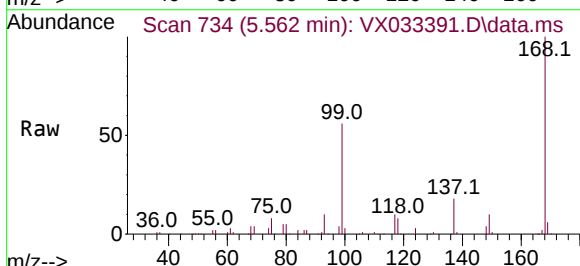
Tgt Ion: 75 Resp: 10423

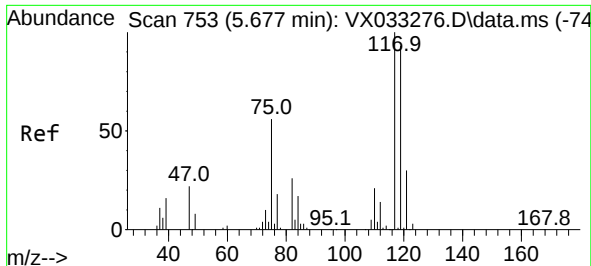
Ion Ratio Lower Upper

75 100

110 9.3 18.4 55.2#

77 0.0 24.5 36.7#

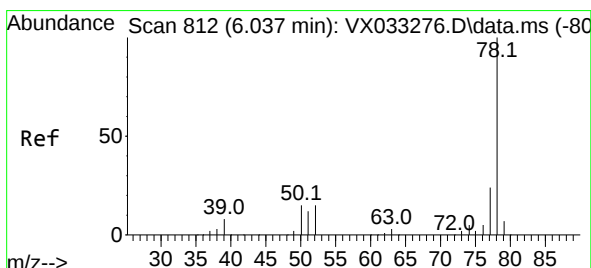
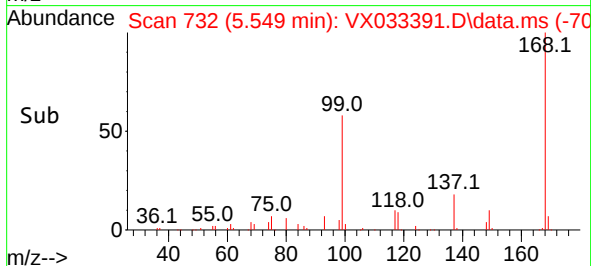
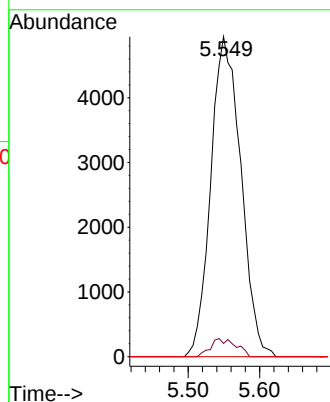
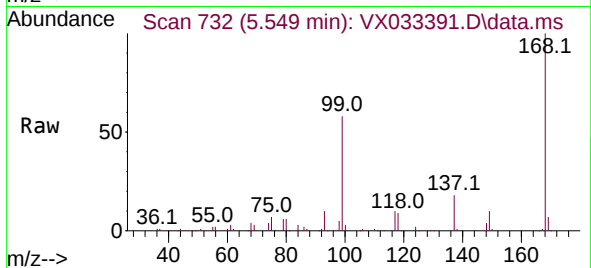




#38
Carbon Tetrachloride
Concen: 6.630 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

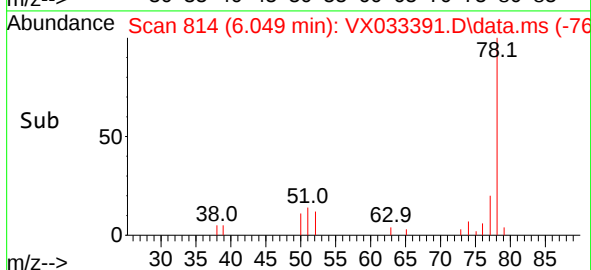
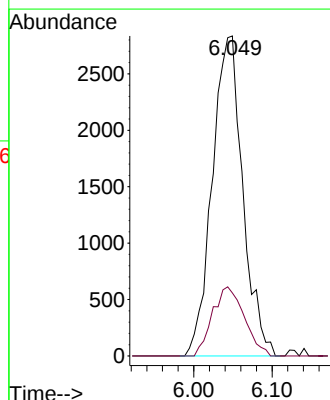
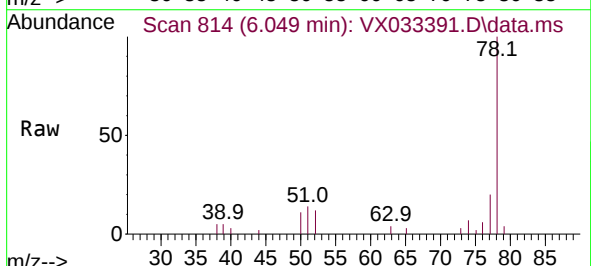
Instrument :
MSVOA_X
ClientSampleId :
MW-6M

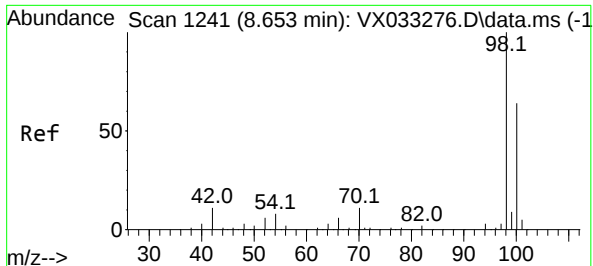
Tgt Ion:117 Resp: 14423
Ion Ratio Lower Upper
117 100
119 4.1 77.2 115.8#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 1.356 ug/l
RT: 6.049 min Scan# 814
Delta R.T. 0.012 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

Tgt Ion: 78 Resp: 7675
Ion Ratio Lower Upper
78 100
77 19.7 19.0 28.4

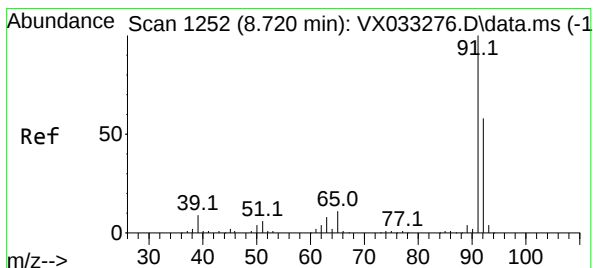
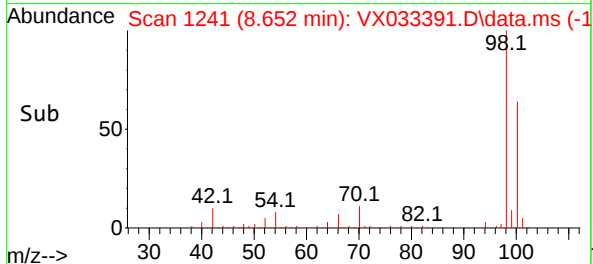
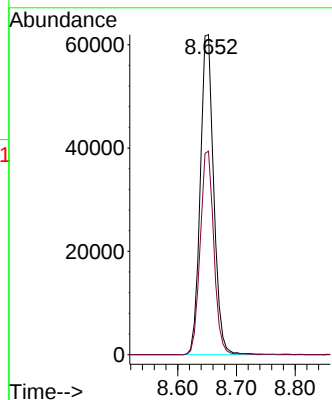
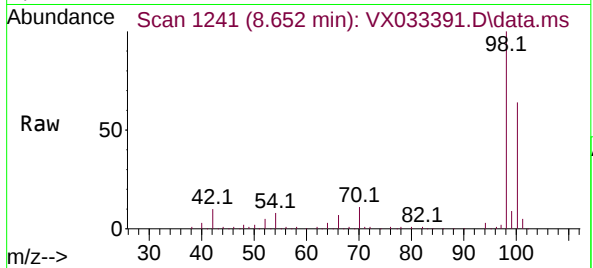




#50
Toluene-d8
Concen: 47.315 ug/l
RT: 8.652 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

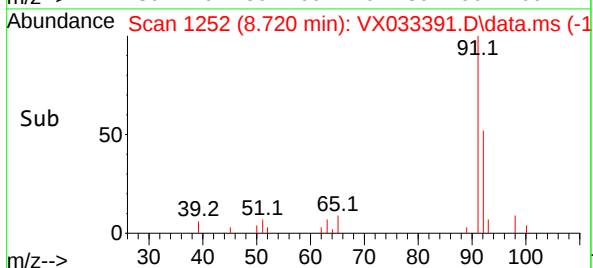
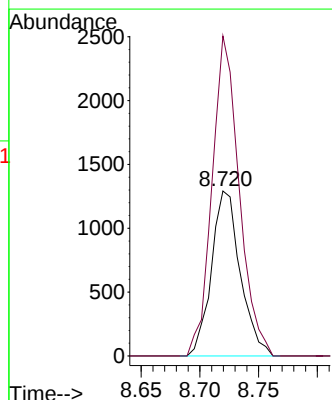
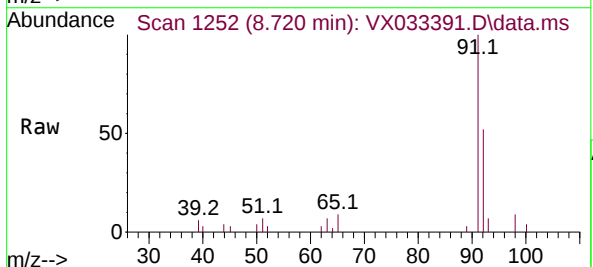
Instrument :
MSVOA_X
ClientSampleId :
MW-6M

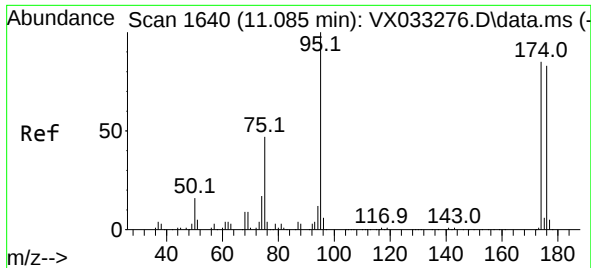
Tgt Ion: 98 Resp: 98580
Ion Ratio Lower Upper
98 100
100 64.5 50.9 76.3



#52
Toluene
Concen: 0.602 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

Tgt Ion: 92 Resp: 2204
Ion Ratio Lower Upper
92 100
91 182.8 138.3 207.5

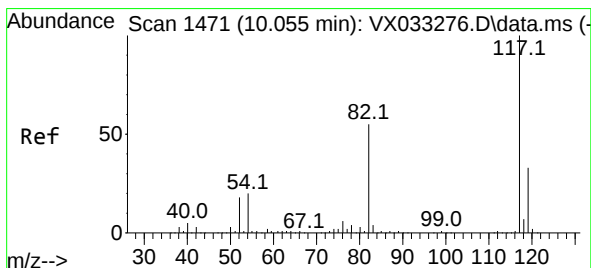
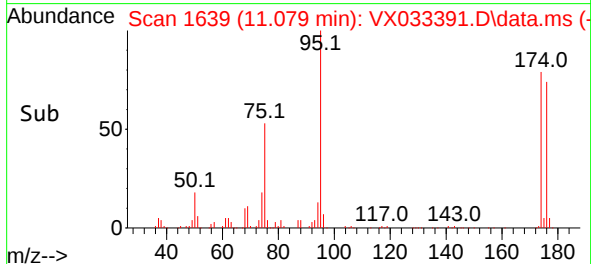
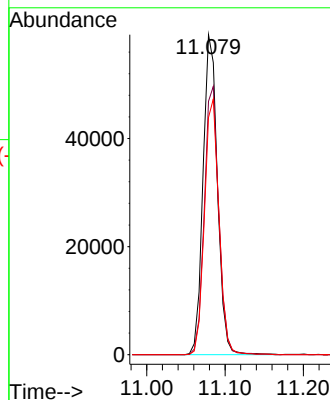
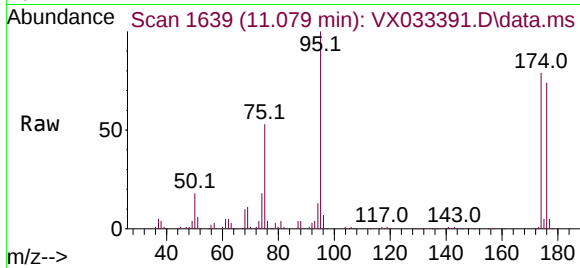




#62
4-Bromofluorobenzene
Concen: 47.475 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

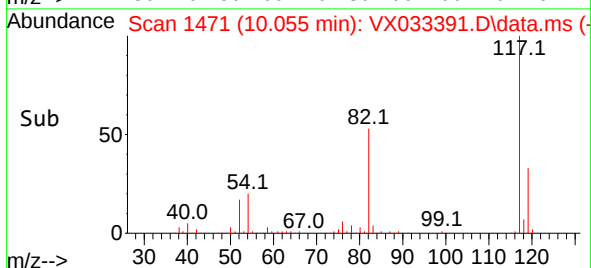
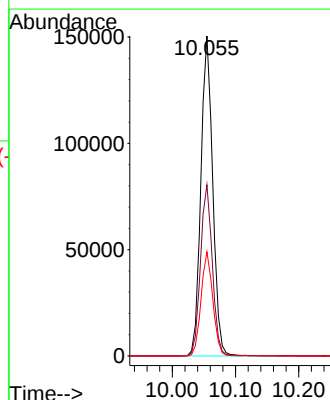
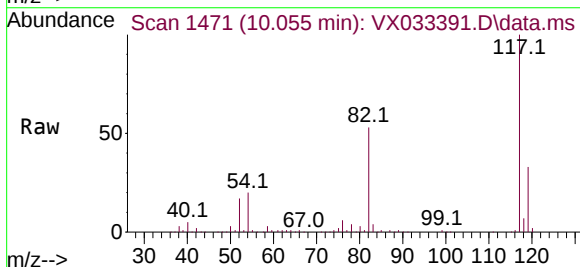
Instrument :
MSVOA_X
ClientSampleId :
MW-6M

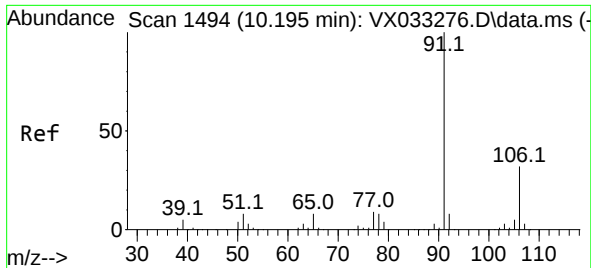
Tgt Ion: 95 Resp: 75631
Ion Ratio Lower Upper
95 100
174 84.1 0.0 164.0
176 80.5 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

Tgt Ion: 117 Resp: 196492
Ion Ratio Lower Upper
117 100
82 53.5 44.3 66.5
119 32.5 25.7 38.5

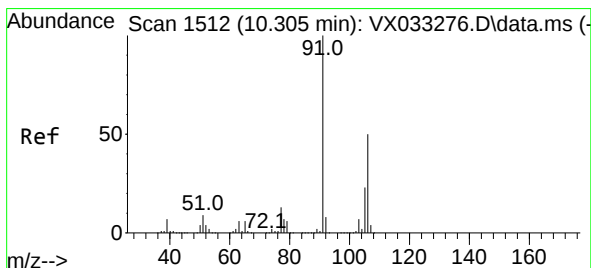
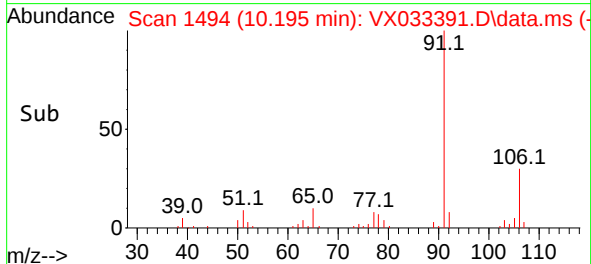
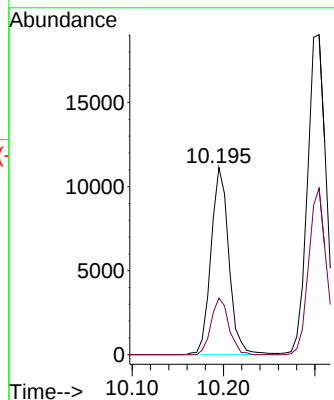
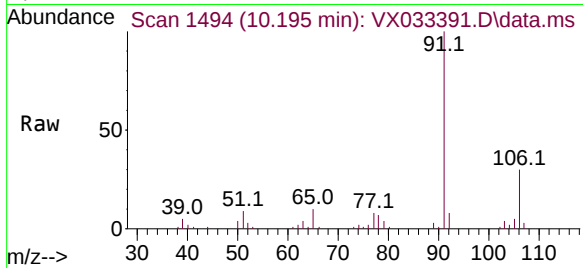




#67
Ethyl Benzene
Concen: 2.189 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

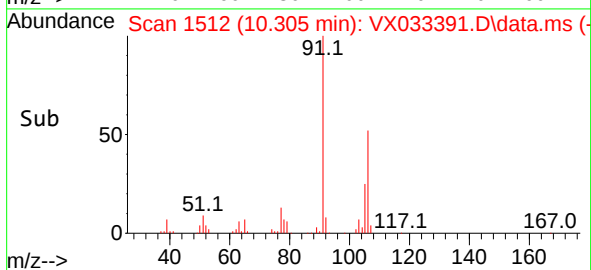
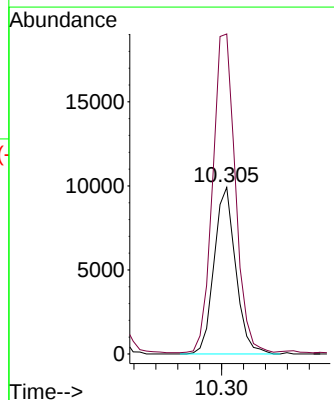
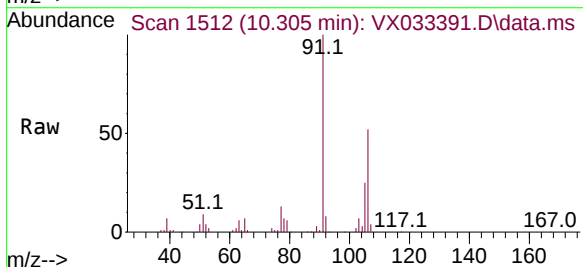
Instrument :
MSVOA_X
ClientSampleId :
MW-6M

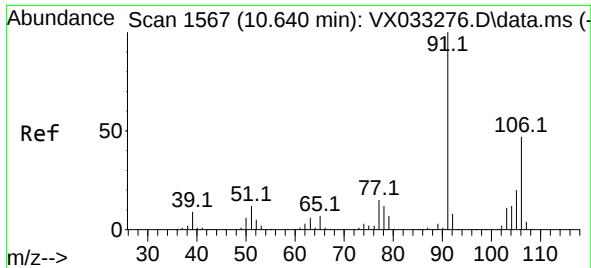
Tgt Ion: 91 Resp: 15172
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.6



#68
m/p-Xylenes
Concen: 5.028 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

Tgt Ion: 106 Resp: 13561
Ion Ratio Lower Upper
106 100
91 200.9 164.5 246.7

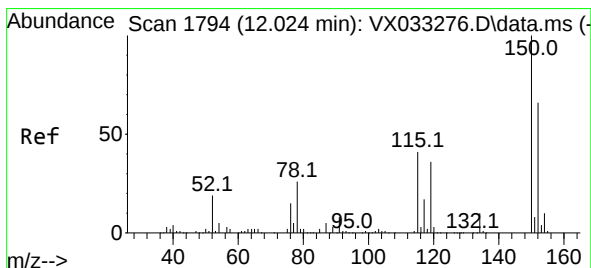
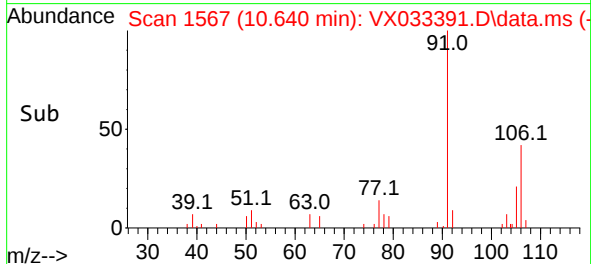
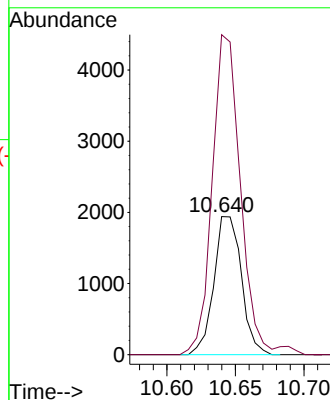
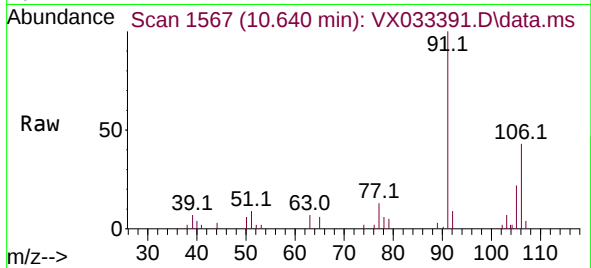




#69
o-Xylene
Concen: 1.016 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

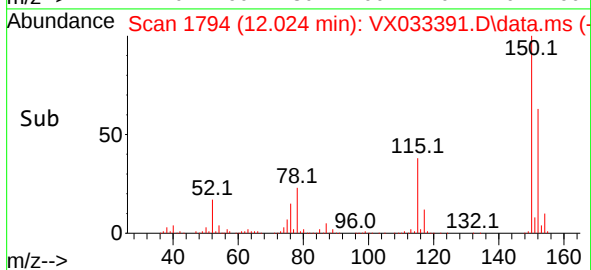
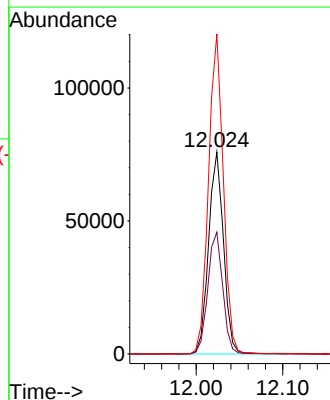
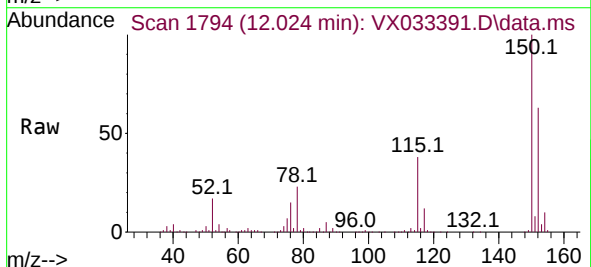
Instrument :
MSVOA_X
ClientSampleId :
MW-6M

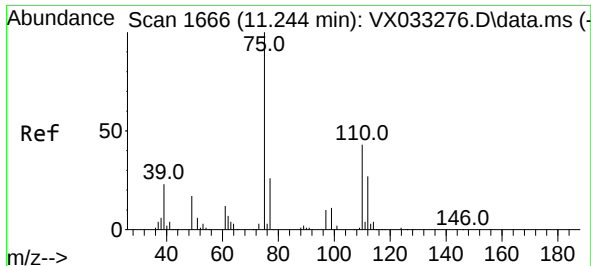
Tgt Ion:106 Resp: 2709
Ion Ratio Lower Upper
106 100
91 239.2 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

Tgt Ion:152 Resp: 90787
Ion Ratio Lower Upper
152 100
115 60.4 44.0 132.0
150 157.4 0.0 351.8

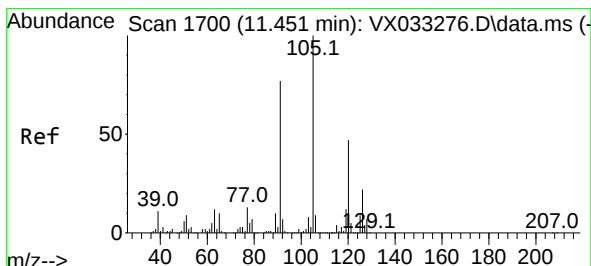
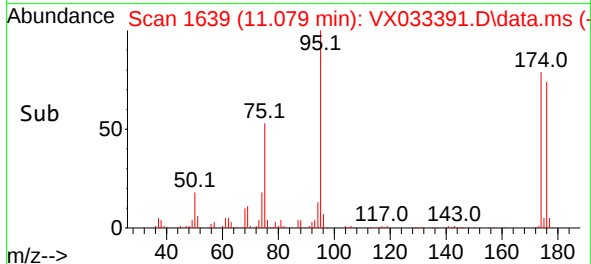
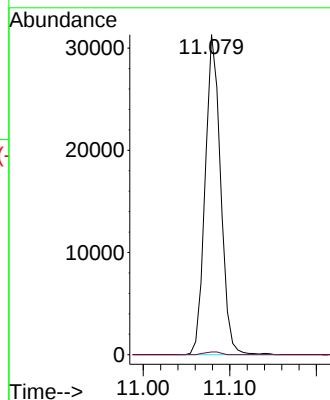
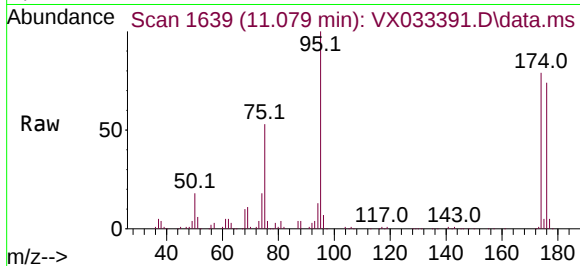




#76
1,2,3-Trichloropropane
Concen: 21.002 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

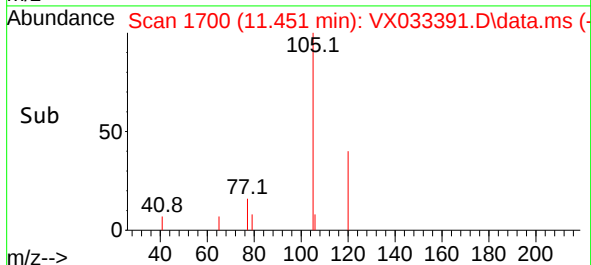
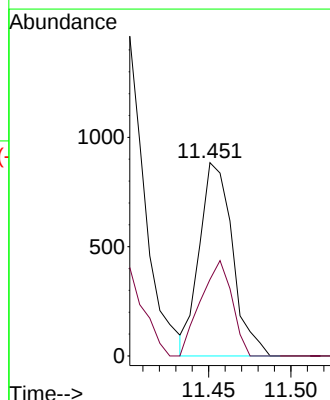
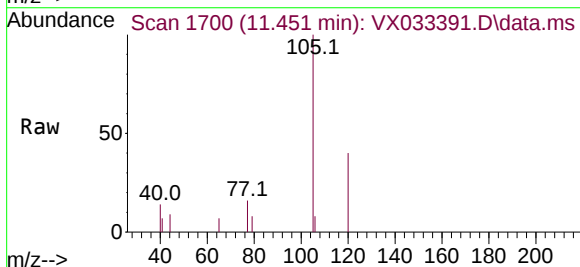
Instrument :
MSVOA_X
ClientSampleId :
MW-6M

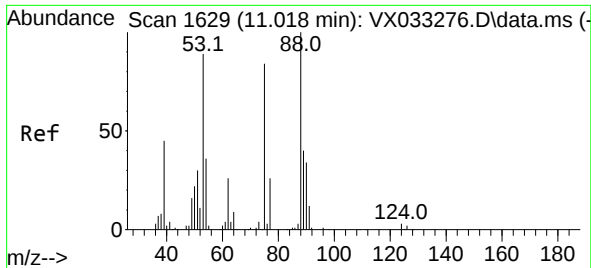
Tgt Ion: 75 Resp: 38793
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.226 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

Tgt Ion:105 Resp: 1239
Ion Ratio Lower Upper
105 100
120 46.6 23.6 71.0

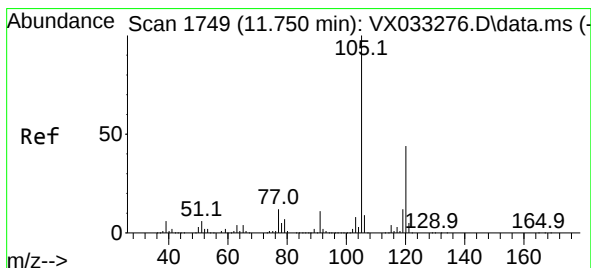
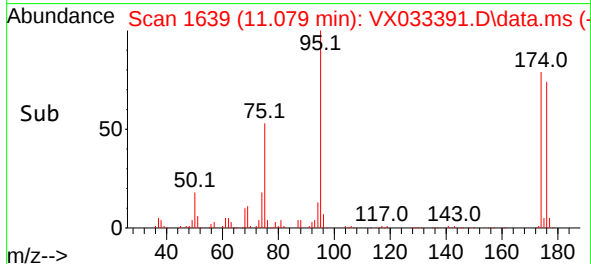
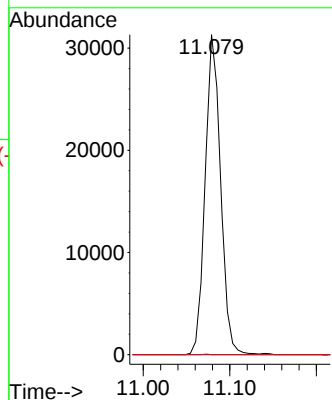
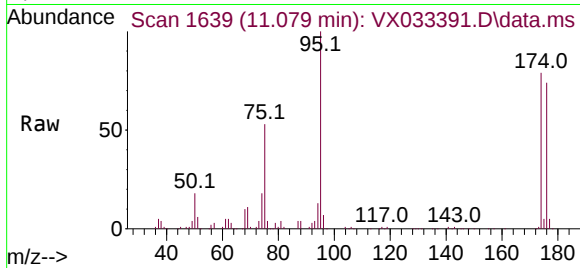




#81
trans-1,4-Dichloro-2-butene
Concen: 65.332 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

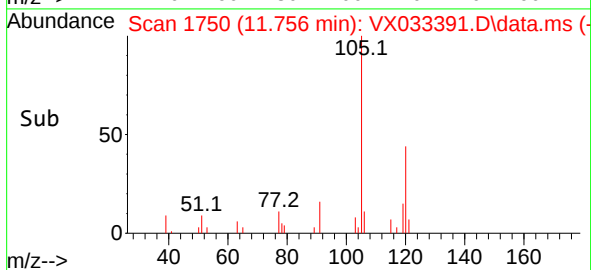
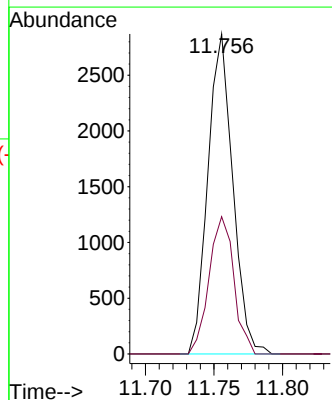
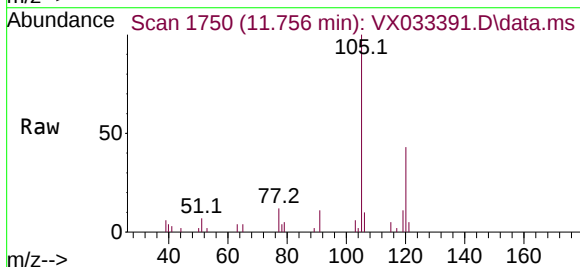
Instrument :
MSVOA_X
ClientSampleId :
MW-6M

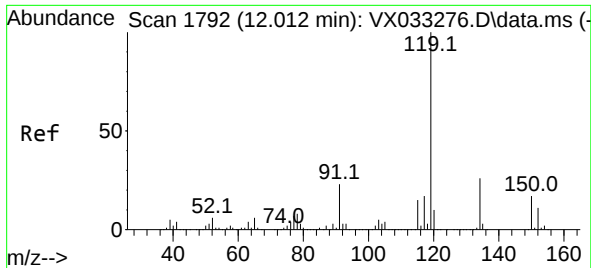
Tgt Ion: 75 Resp: 38793
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.1 38.3 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.663 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

Tgt Ion: 105 Resp: 3625
Ion Ratio Lower Upper
105 100
120 42.7 21.9 65.5

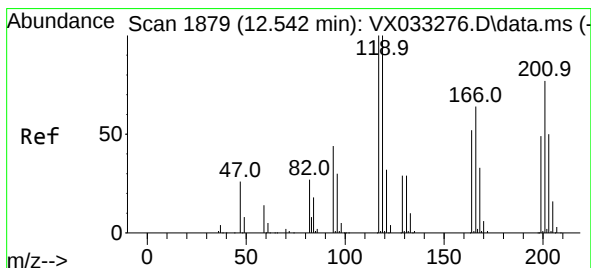
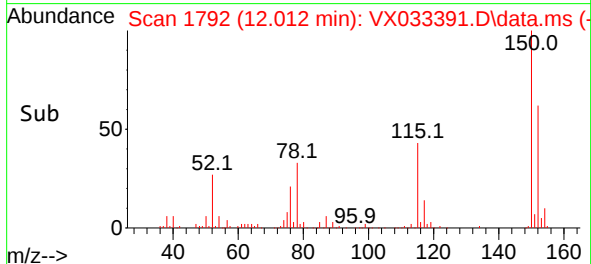
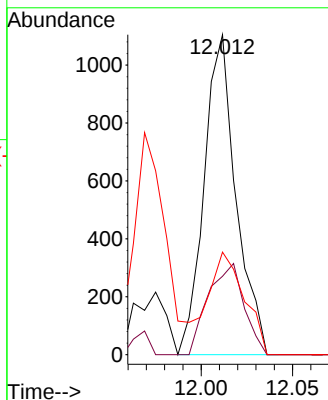
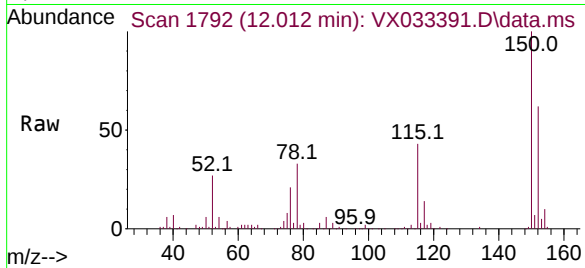




#86
p-Isopropyltoluene
Concen: 0.245 ug/l
RT: 12.012 min Scan# 119
Delta R.T. -0.000 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW-6M

Tgt Ion:	119	Resp:	1344
Ion	Ratio	Lower	Upper
119	100		
134	32.1	12.9	38.7
91	36.4	12.5	37.5



#90
Hexachloroethane
Concen: 0.205 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.158 min
Lab File: VX033391.D
Acq: 13 Dec 2022 14:44

Tgt Ion:	117	Resp:	191
Ion	Ratio	Lower	Upper
117	100		
201	0.0	37.6	112.9#

