

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112522\
 Data File : VX033064.D
 Acq On : 25 Nov 2022 13:46
 Operator : JC/MD
 Sample : N5747-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-28DL

Quant Time: Nov 28 00:46:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

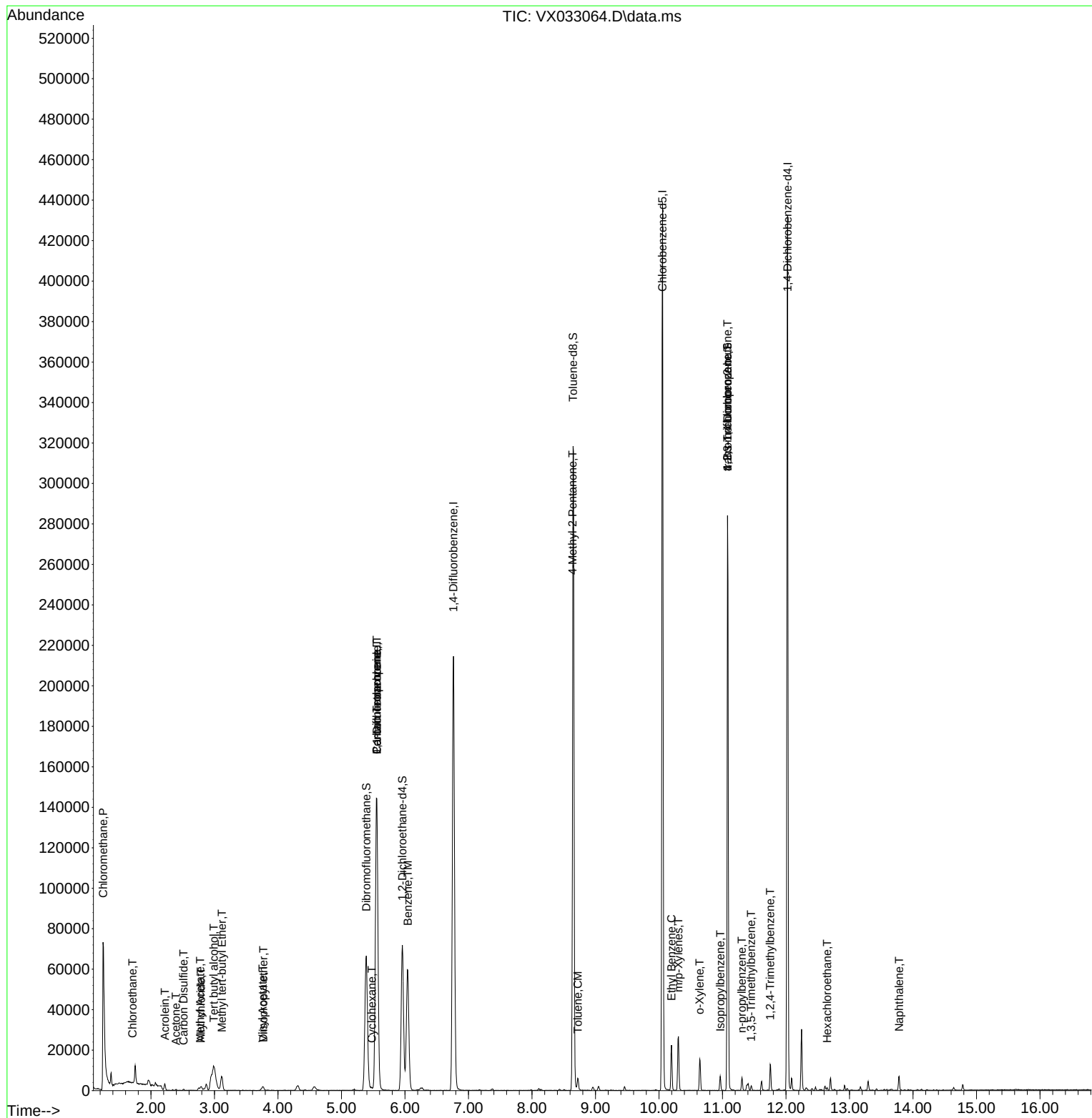
Internal Standards						
1) Pentafluorobenzene	5.556	168	137452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	219492	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72190	53.999	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.000%			
35) Dibromofluoromethane	5.391	113	57335	46.335	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.660%			
50) Toluene-d8	8.647	98	195106	52.512	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.020%			
62) 4-Bromofluorobenzene	11.079	95	70626	43.450	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.900%			
Target Compounds					Qvalue	
3) Chloromethane	1.246	50	2115	1.866	ug/l #	43
6) Chloroethane	1.709	64	225	0.219	ug/l #	49
11) Tert butyl alcohol	2.989	59	26103	123.017	ug/l	97
13) Acrolein	2.221	56	85	0.349	ug/l #	1
14) Allyl chloride	2.788	41	411	0.212	ug/l #	20
16) Acetone	2.392	43	530	0.848	ug/l #	88
17) Carbon Disulfide	2.514	76	766	0.231	ug/l #	74
18) Methyl Acetate	2.776	43	774	0.447	ug/l #	51
19) Methyl tert-butyl Ether	3.117	73	6705	1.612	ug/l #	90
20) Methylene Chloride	2.794	84	510	Below Cal	#	68
22) Diisopropyl ether	3.770	45	1766	0.419	ug/l	87
23) Vinyl Acetate	3.758	43	1086	0.329	ug/l #	72
31) Cyclohexane	5.477	56	759	0.350	ug/l	85
36) 1,1-Dichloropropene	5.556	75	10754	5.435	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14268	6.500	ug/l #	15
40) Benzene	6.044	78	72091	12.995	ug/l	99
51) 4-Methyl-2-Pentanone	8.641	43	915	0.519	ug/l #	1
52) Toluene	8.720	92	2334	0.640	ug/l	94
67) Ethyl Benzene	10.195	91	12268	1.792	ug/l	99
68) m/p-Xylenes	10.305	106	6297	2.348	ug/l	91
69) o-Xylene	10.640	106	3566	1.374	ug/l	94
73) Isopropylbenzene	10.964	105	3860	0.605	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	38274	22.646	ug/l #	37
78) n-propylbenzene	11.305	91	4573	0.627	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	1346	0.251	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	38274	73.610	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.750	105	5888	1.102	ug/l	98
90) Hexachloroethane	12.646	117	693	0.780	ug/l #	12
95) Naphthalene	13.780	128	5186	0.909	ug/l	98

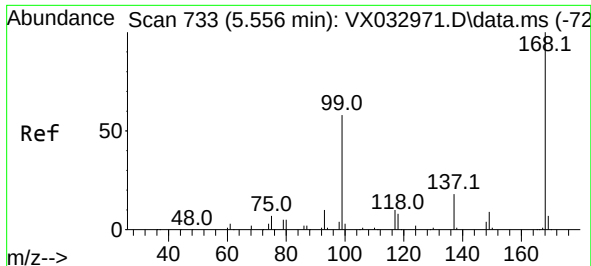
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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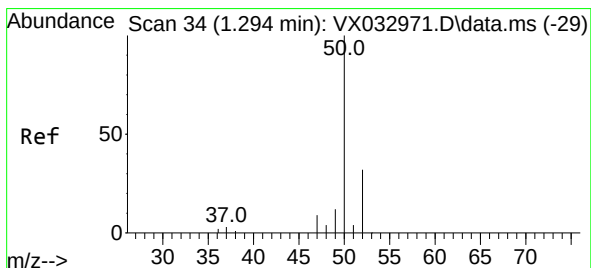
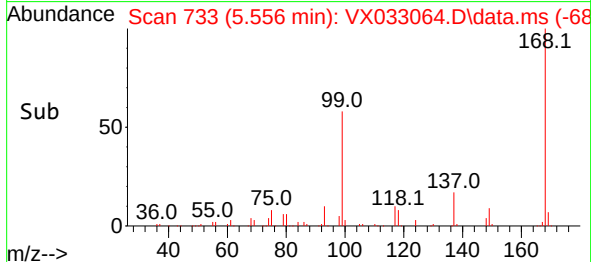
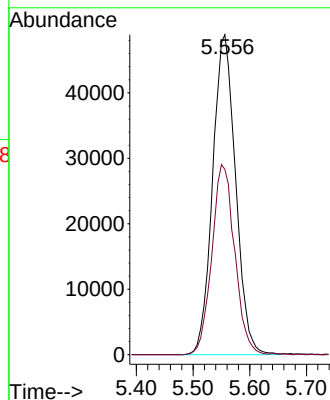
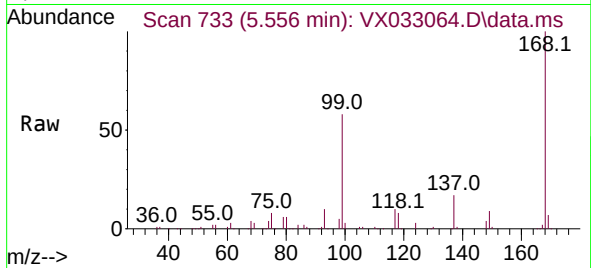




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

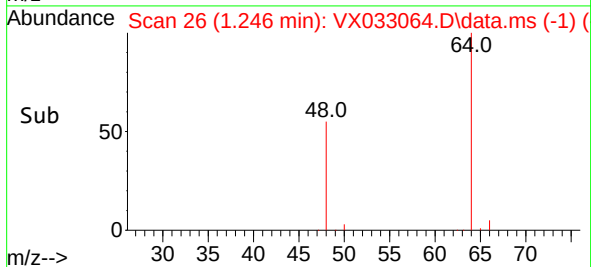
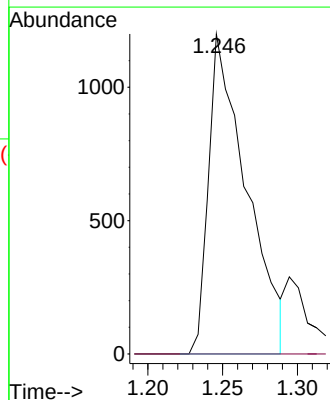
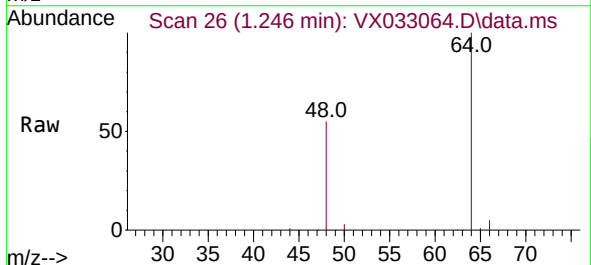
Instrument :
MSVOA_X
ClientSampleId :
MW-28DL

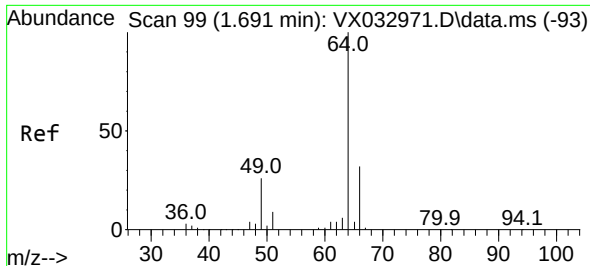
Tgt Ion:168 Resp: 137452
Ion Ratio Lower Upper
168 100
99 58.0 46.1 69.1



#3
Chloromethane
Concen: 1.866 ug/l
RT: 1.246 min Scan# 26
Delta R.T. -0.048 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

Tgt Ion: 50 Resp: 2115
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

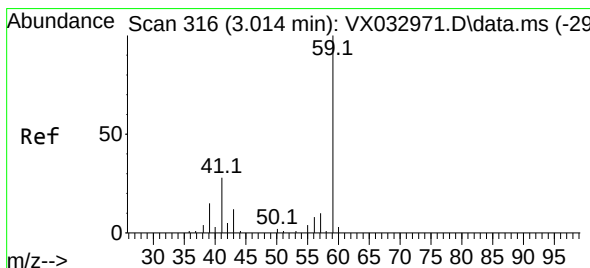
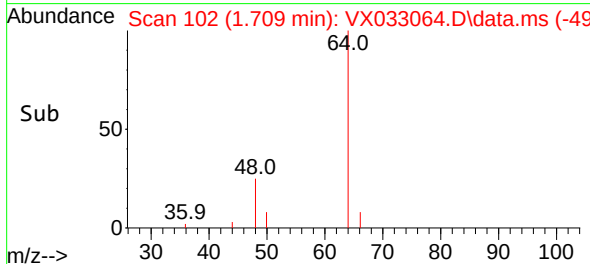
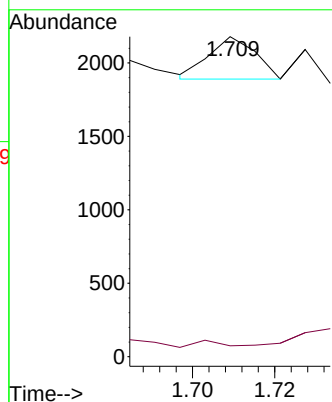
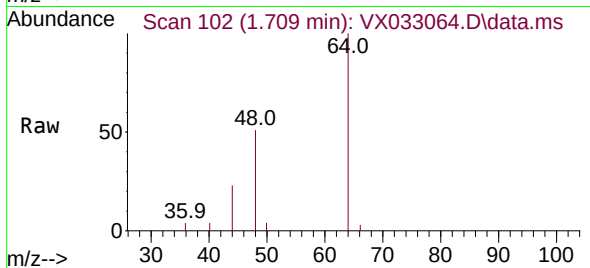




#6
Chloroethane
Concen: 0.219 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.024 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

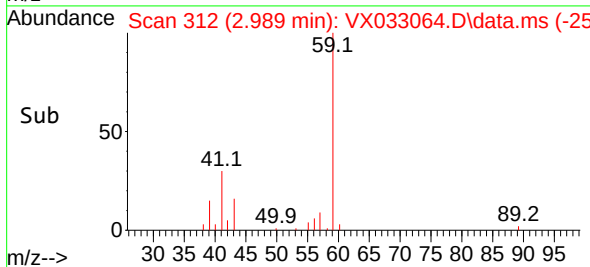
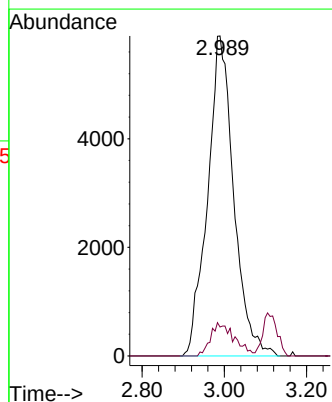
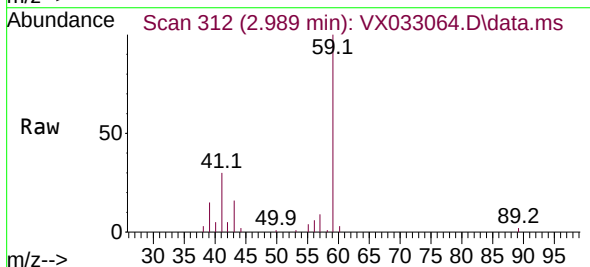
Instrument :
MSVOA_X
ClientSampleId :
MW-28DL

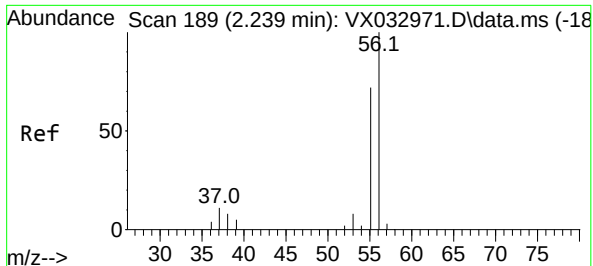
Tgt Ion: 64 Resp: 225
Ion Ratio Lower Upper
64 100
66 3.8 26.0 39.0#



#11
Tert butyl alcohol
Concen: 123.017 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.024 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

Tgt Ion: 59 Resp: 26103
Ion Ratio Lower Upper
59 100
57 9.3 8.2 12.4

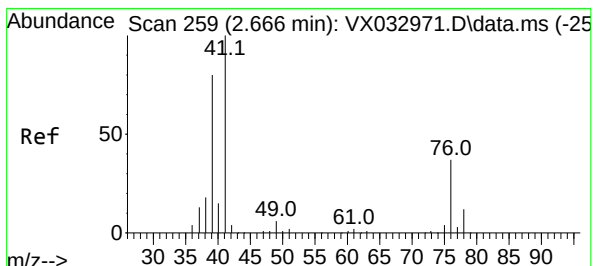
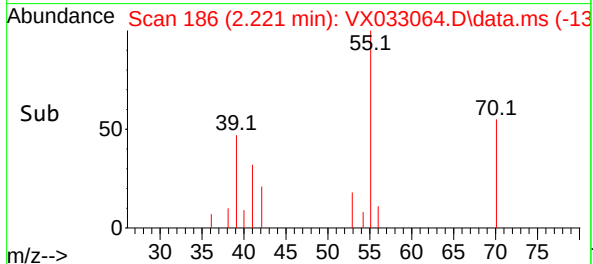
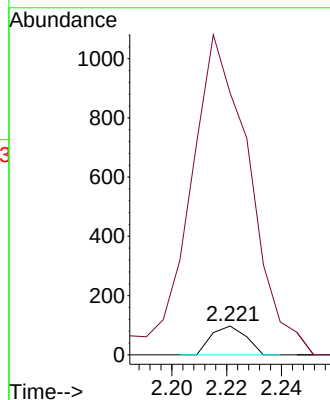
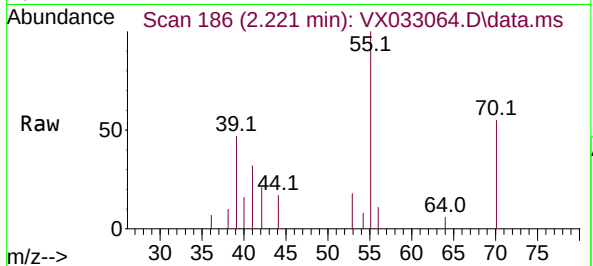




#13
Acrolein
Concen: 0.349 ug/l
RT: 2.221 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

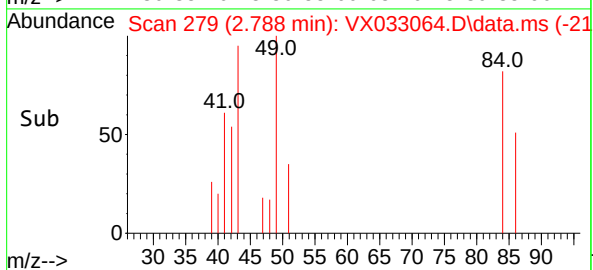
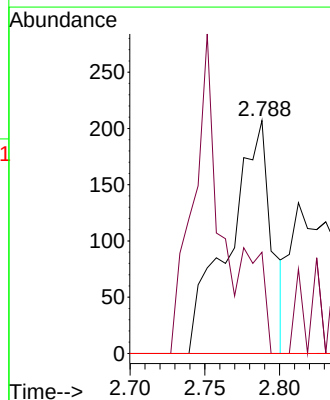
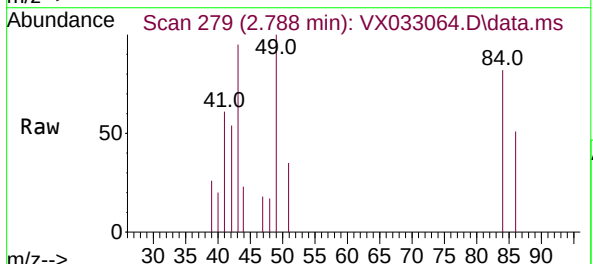
Instrument :
MSVOA_X
ClientSampleId :
MW-28DL

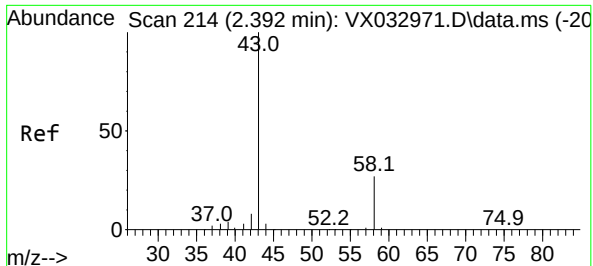
Tgt Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
55 1868.2 56.9 85.3#



#14
Allyl chloride
Concen: 0.212 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.122 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

Tgt Ion: 41 Resp: 411
Ion Ratio Lower Upper
41 100
39 0.0 61.4 92.2#
76 0.0 29.2 43.8#

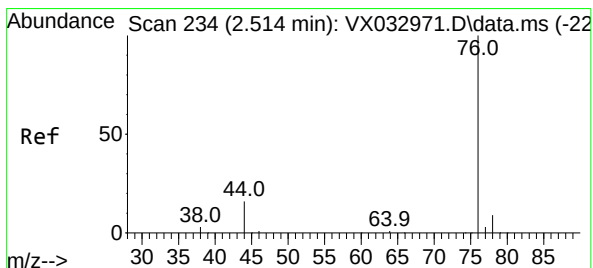
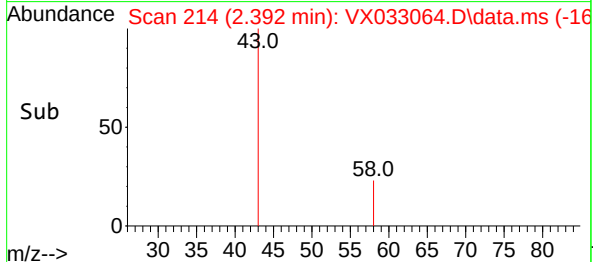
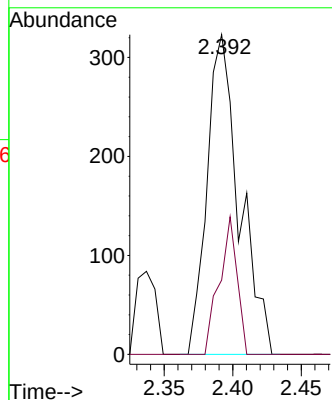
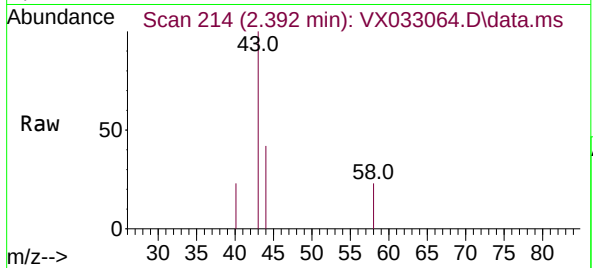




#16
Acetone
Concen: 0.848 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

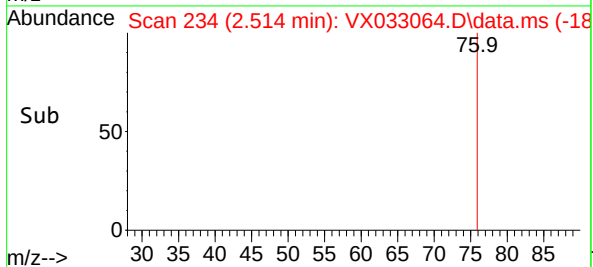
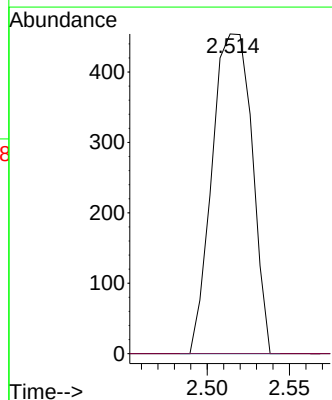
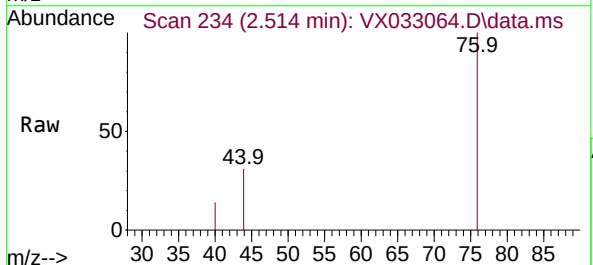
Instrument :
MSVOA_X
ClientSampleId :
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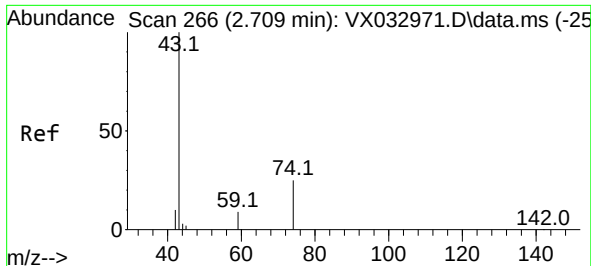
Tgt Ion: 43 Resp: 530
Ion Ratio Lower Upper
43 100
58 23.2 23.8 35.8#



#17
Carbon Disulfide
Concen: 0.231 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

Tgt Ion: 76 Resp: 766
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#18

Methyl Acetate

Concen: 0.447 ug/l

RT: 2.776 min Scan# 21

Delta R.T. 0.073 min

Lab File: VX033064.D

Acq: 25 Nov 2022 13:46

Instrument :

MSVOA_X

ClientSampleId :

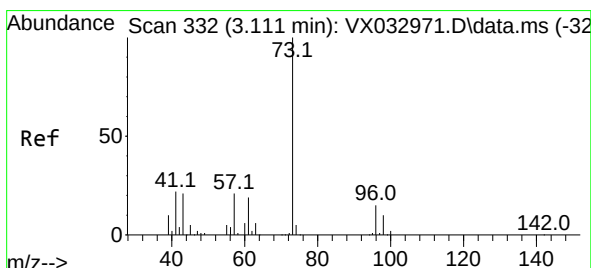
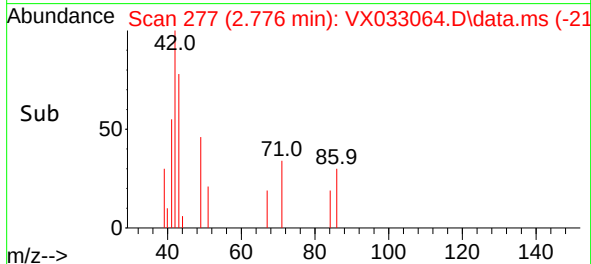
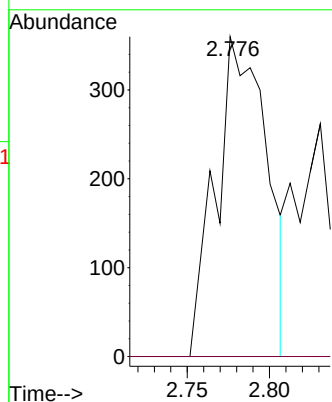
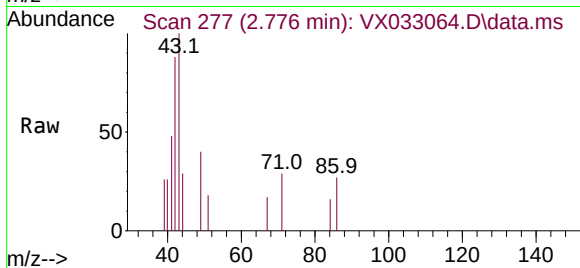
MW-28DL

Tgt Ion: 43 Resp: 774

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.0#



#19

Methyl tert-butyl Ether

Concen: 1.612 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX033064.D

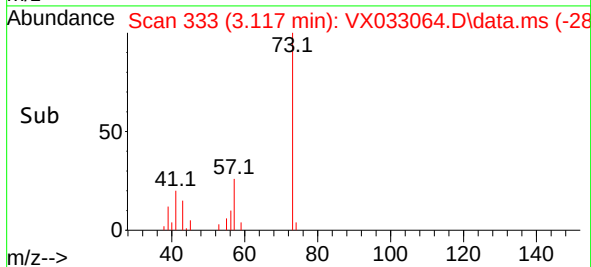
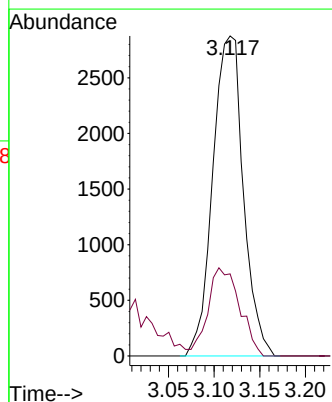
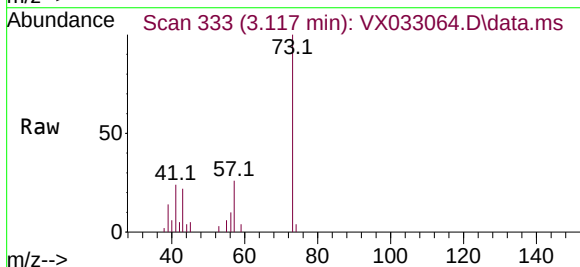
Acq: 25 Nov 2022 13:46

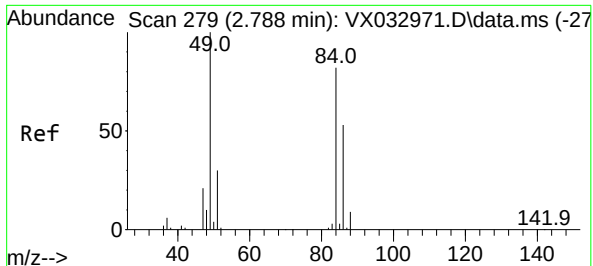
Tgt Ion: 73 Resp: 6705

Ion Ratio Lower Upper

73 100

57 25.7 16.6 25.0#

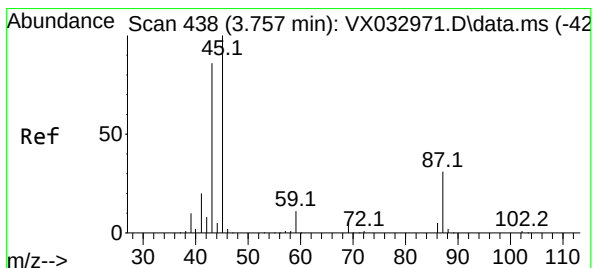
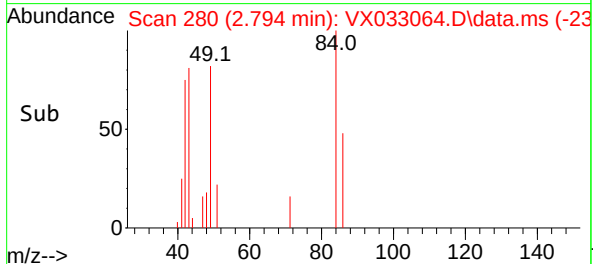
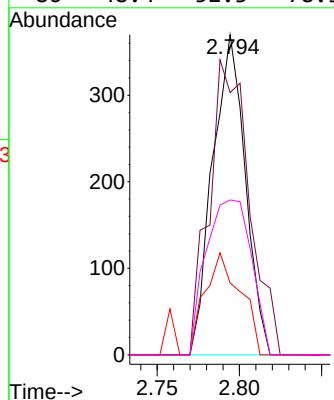
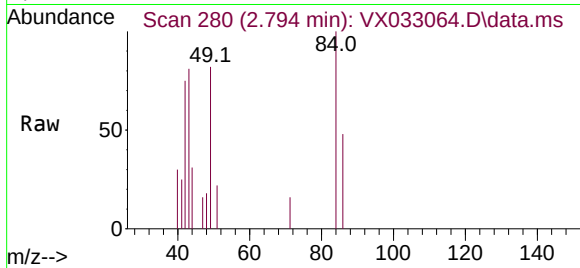




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

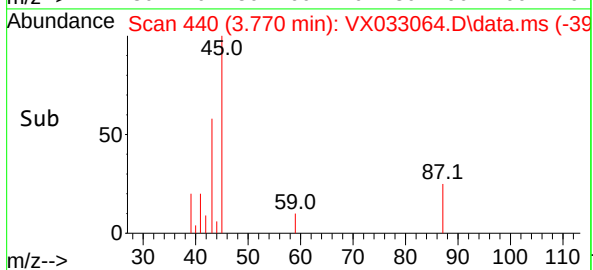
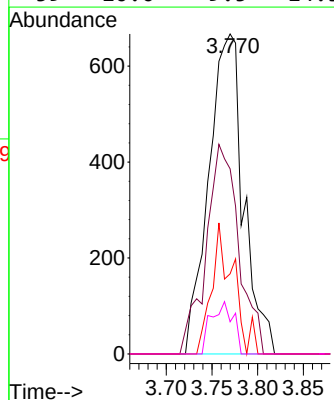
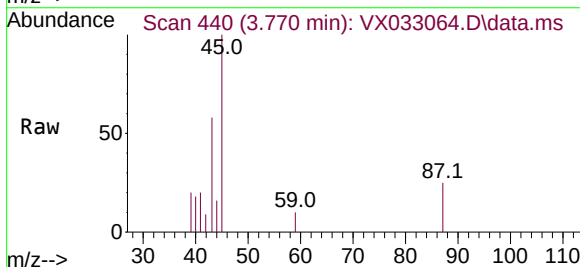
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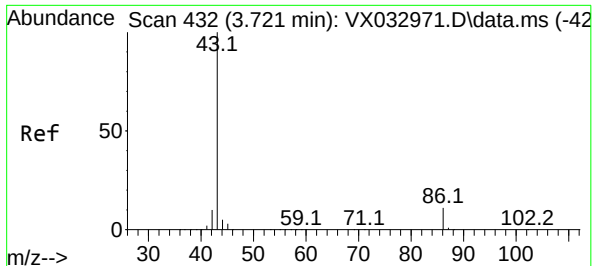
Tgt Ion:	84	Resp:	510
Ion	Ratio	Lower	Upper
84	100		
49	81.9	101.0	151.6#
51	22.4	31.1	46.7#
86	48.4	52.3	78.5#



#22
Diisopropyl ether
Concen: 0.419 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.007 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

Tgt Ion:	45	Resp:	1766
Ion	Ratio	Lower	Upper
45	100		
43	57.9	56.4	84.6
87	25.0	24.4	36.6
59	10.0	9.5	14.3

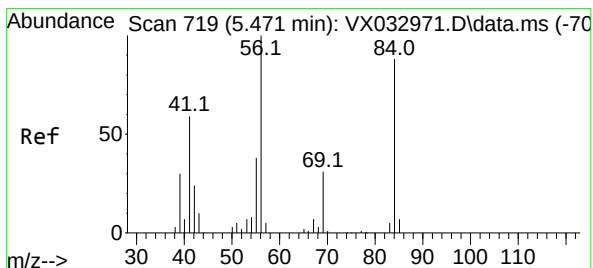
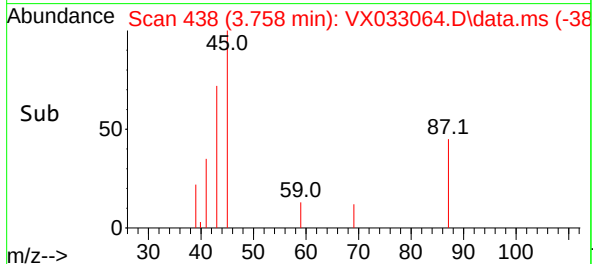
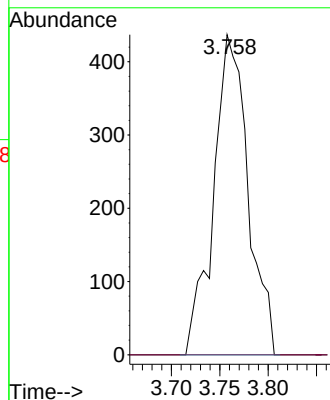
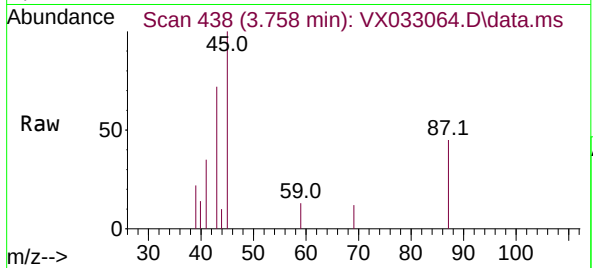




#23
 Vinyl Acetate
 Concen: 0.329 ug/l
 RT: 3.758 min Scan# 41
 Delta R.T. 0.037 min
 Lab File: VX033064.D
 Acq: 25 Nov 2022 13:46

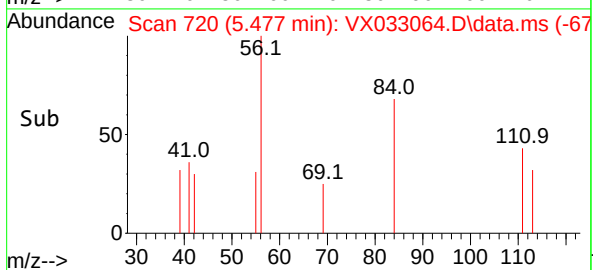
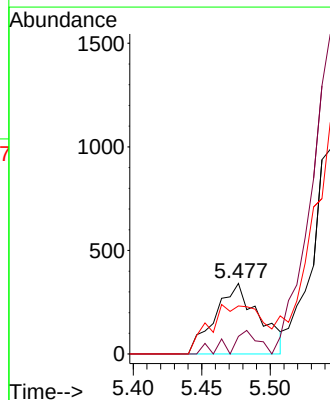
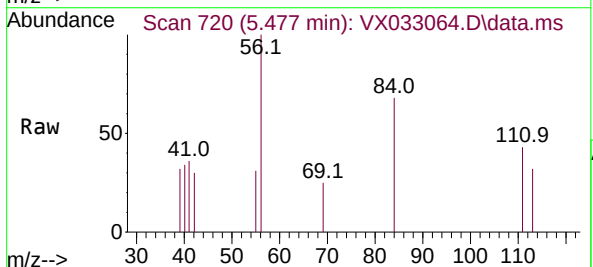
Instrument :
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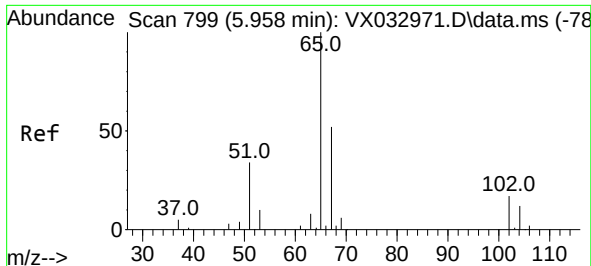
Tgt Ion: 43 Resp: 1086
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#31
 Cyclohexane
 Concen: 0.350 ug/l
 RT: 5.477 min Scan# 720
 Delta R.T. 0.007 min
 Lab File: VX033064.D
 Acq: 25 Nov 2022 13:46

Tgt Ion: 56 Resp: 759
 Ion Ratio Lower Upper
 56 100
 69 24.9 24.1 36.1
 84 68.0 66.9 100.3

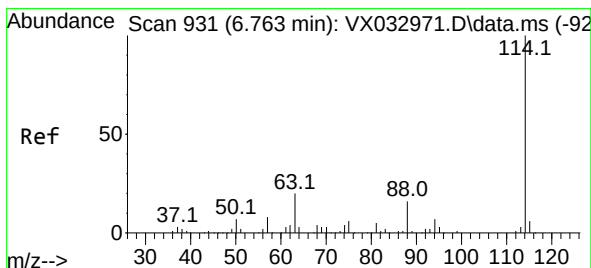
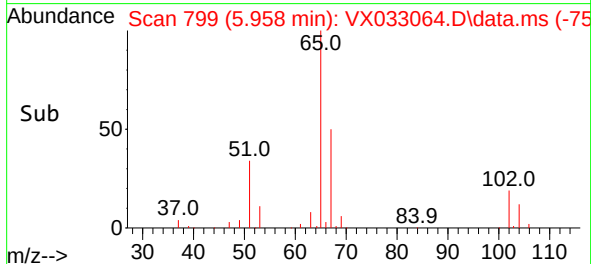
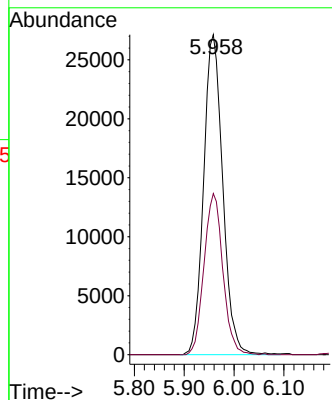
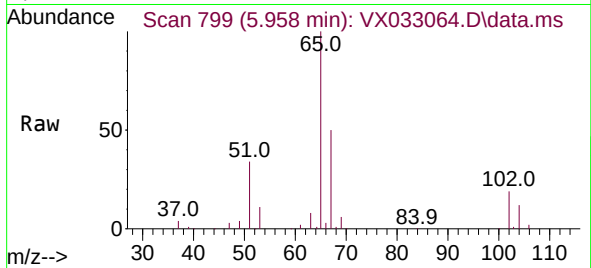




#33
 1,2-Dichloroethane-d4
 Concen: 53.999 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX033064.D
 Acq: 25 Nov 2022 13:46

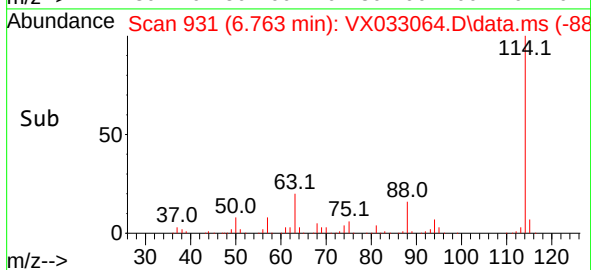
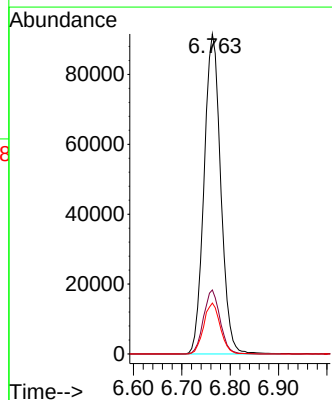
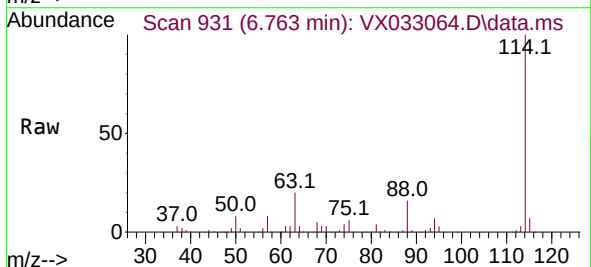
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-28DL

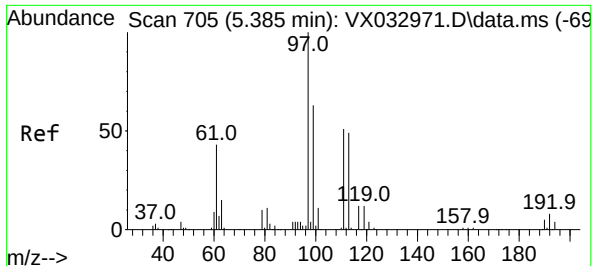
Tgt Ion: 65 Resp: 72190
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX033064.D
 Acq: 25 Nov 2022 13:46

Tgt Ion: 114 Resp: 219492
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.6
 88 15.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.335 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX033064.D

Acq: 25 Nov 2022 13:46

Instrument :

MSVOA_X

ClientSampleId :

MW-28DL

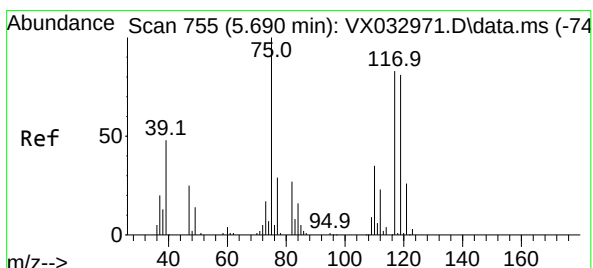
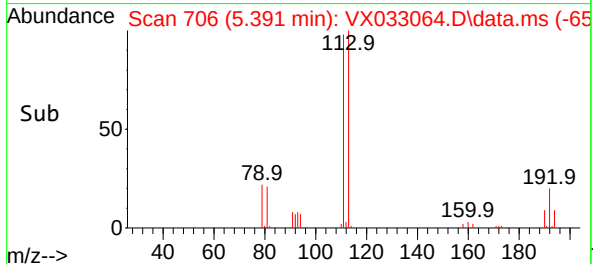
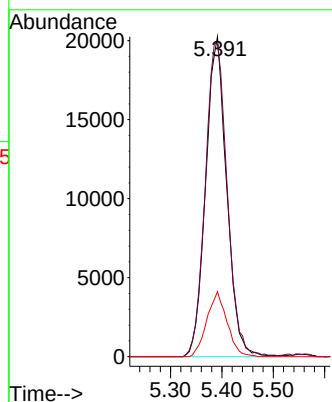
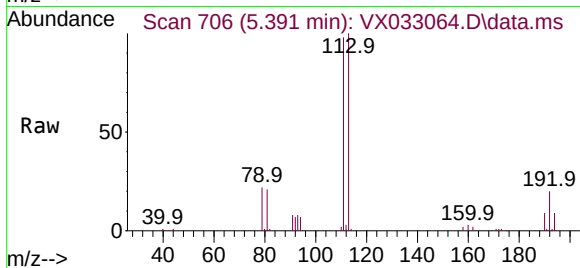
Tgt Ion:113 Resp: 57335

Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

192 19.6 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.435 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX033064.D

Acq: 25 Nov 2022 13:46

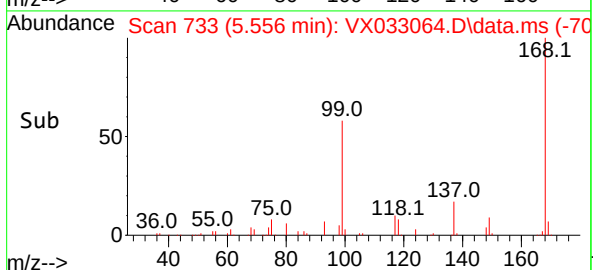
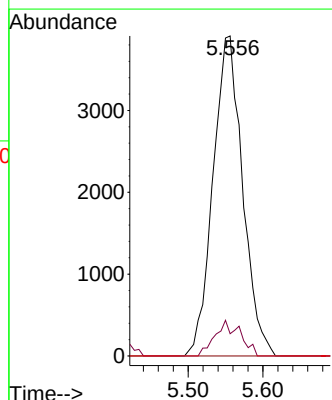
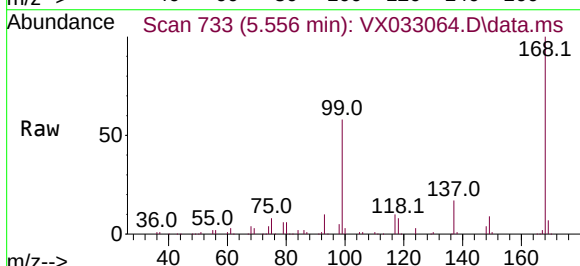
Tgt Ion: 75 Resp: 10754

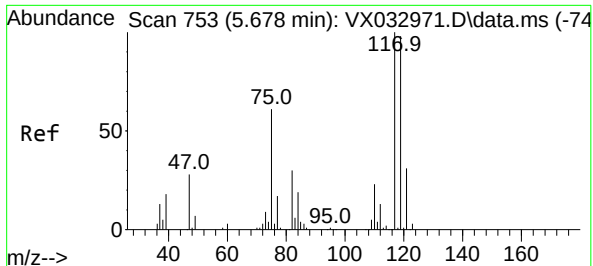
Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.2#

77 0.0 24.5 36.7#

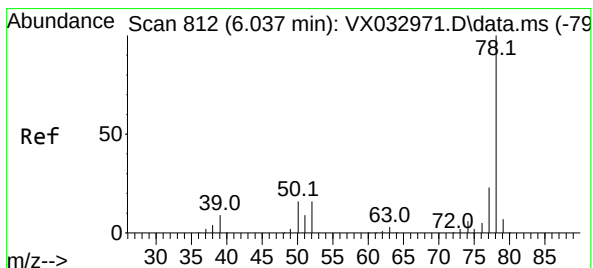
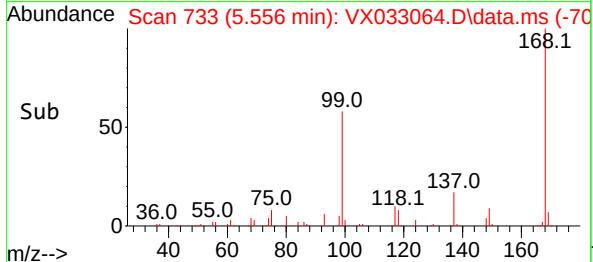
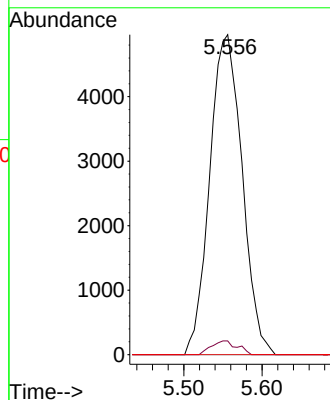
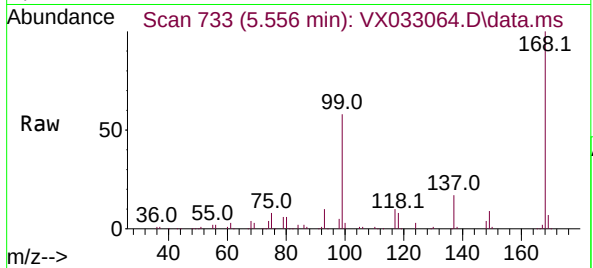




#38
Carbon Tetrachloride
Concen: 6.500 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

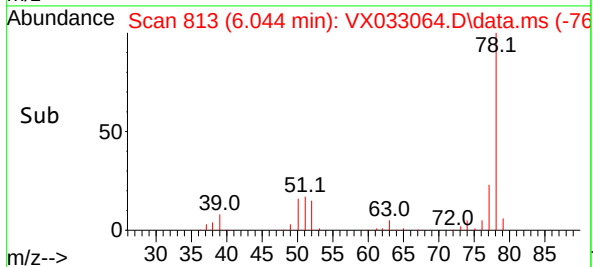
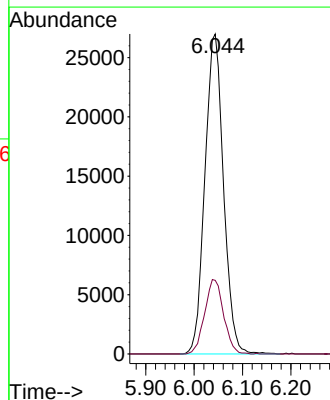
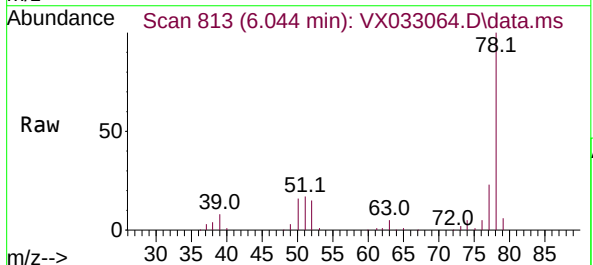
Instrument :
MSVOA_X
ClientSampleId :
MW-28DL

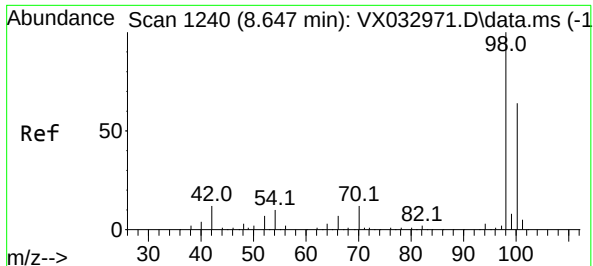
Tgt Ion:117 Resp: 14268
Ion Ratio Lower Upper
117 100
119 4.3 77.2 115.8#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 12.995 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.007 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

Tgt Ion: 78 Resp: 72091
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4





#50

Toluene-d8

Concen: 52.512 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033064.D

Acq: 25 Nov 2022 13:46

Instrument :

MSVOA_X

ClientSampleId :

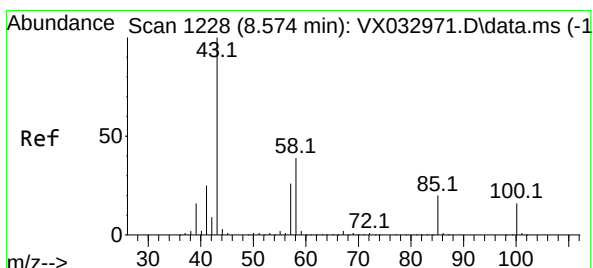
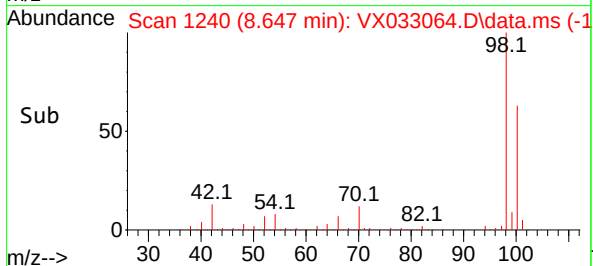
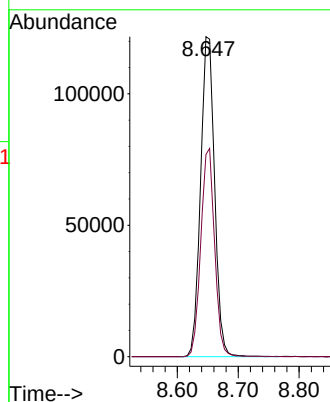
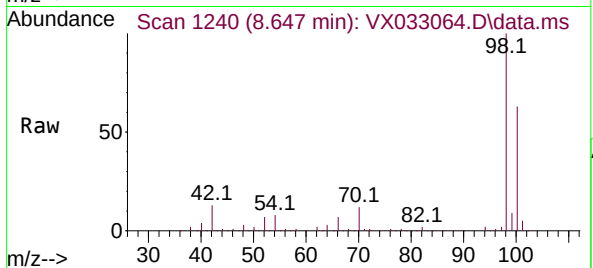
MW-28DL

Tgt Ion: 98 Resp: 195106

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.519 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX033064.D

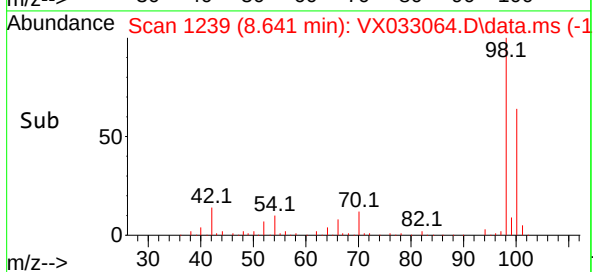
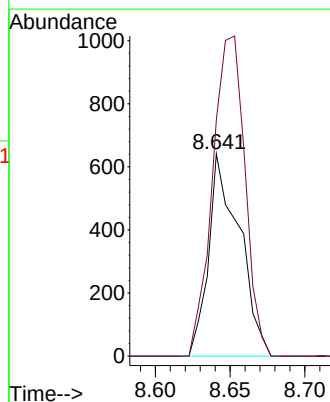
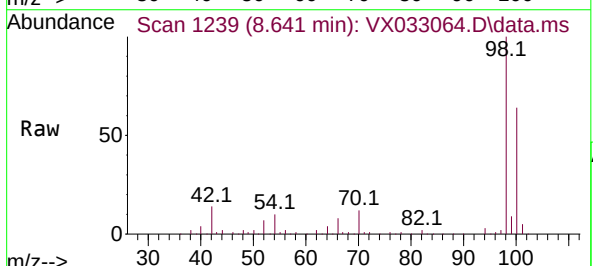
Acq: 25 Nov 2022 13:46

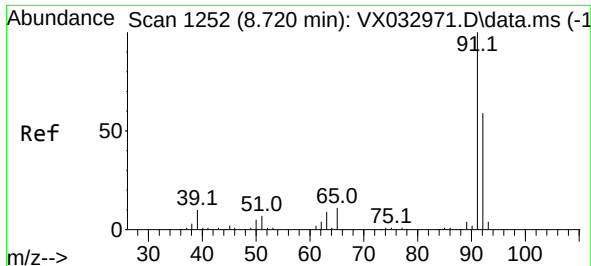
Tgt Ion: 43 Resp: 915

Ion Ratio Lower Upper

43 100

58 167.2 30.9 46.3#

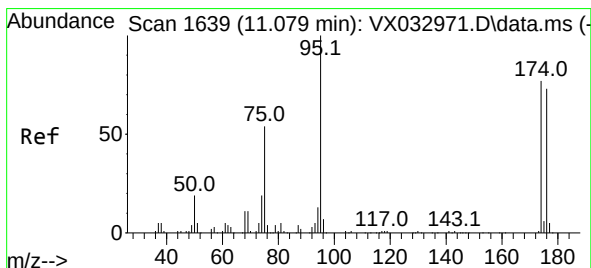
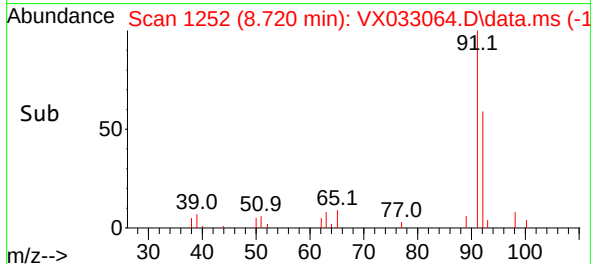
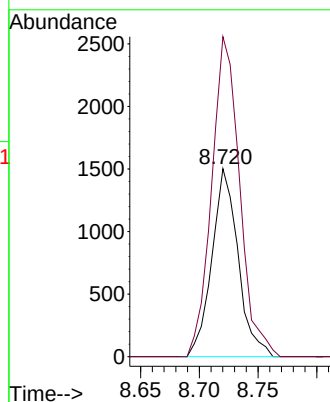
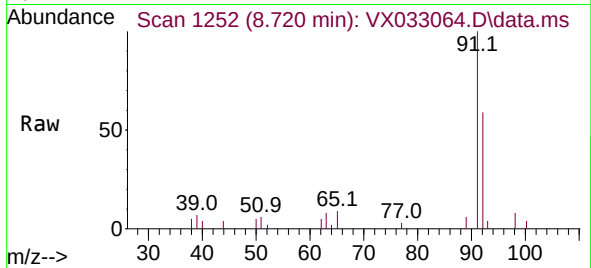




#52
Toluene
Concen: 0.640 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

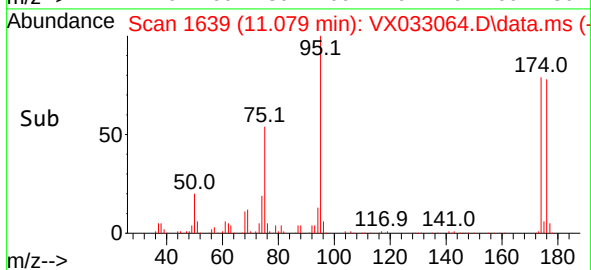
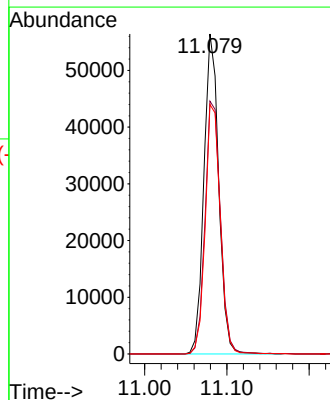
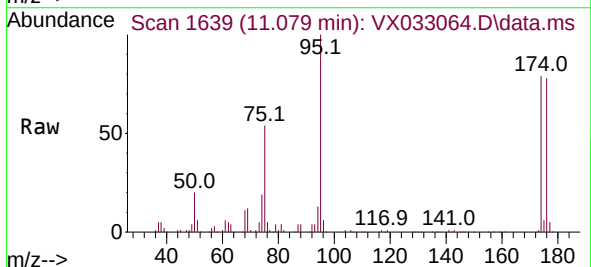
Instrument :
MSVOA_X
ClientSampleId :
MW-28DL

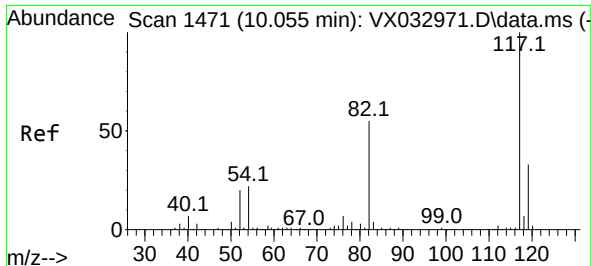
Tgt Ion: 92 Resp: 2334
Ion Ratio Lower Upper
92 100
91 181.5 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 43.450 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

Tgt Ion: 95 Resp: 70626
Ion Ratio Lower Upper
95 100
174 82.2 0.0 164.0
176 79.4 0.0 154.4

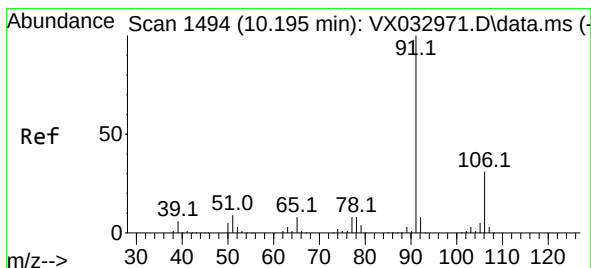
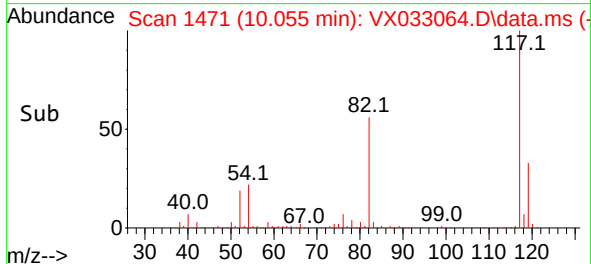
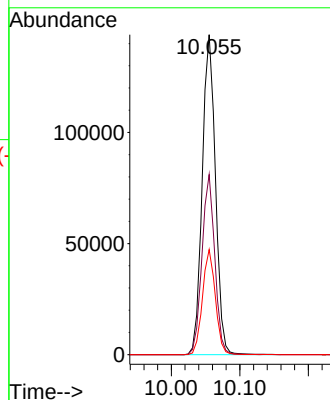
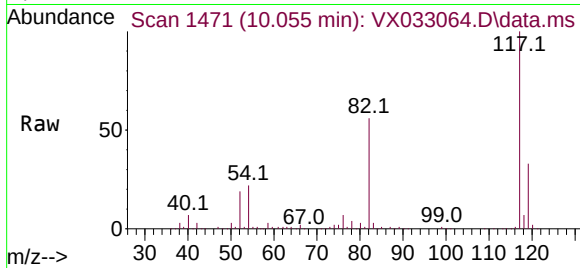




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

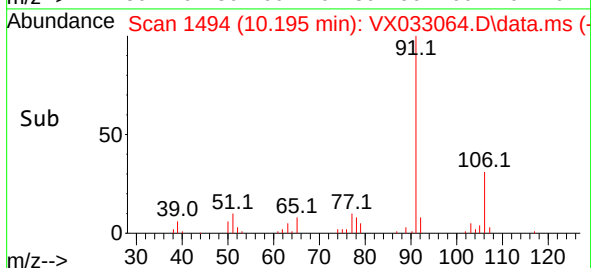
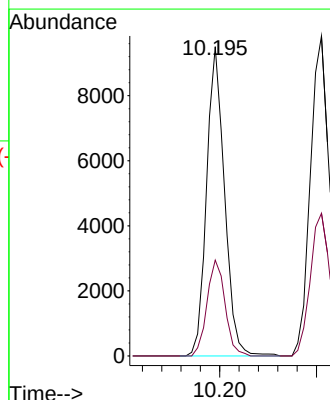
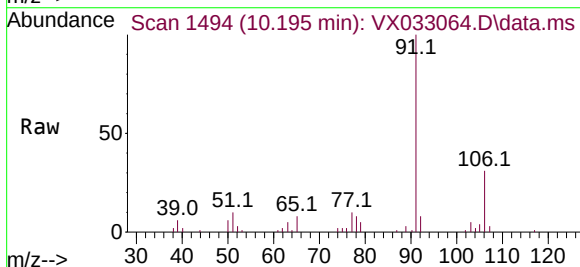
Instrument :
MSVOA_X
ClientSampleId :
MW-28DL

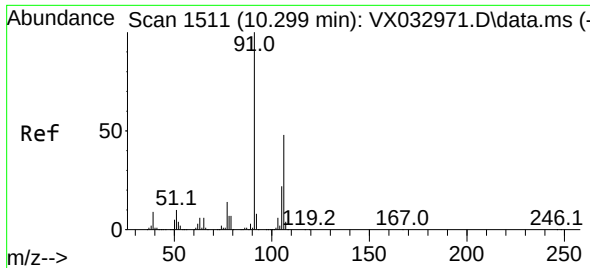
Tgt Ion:117 Resp: 193619
Ion Ratio Lower Upper
117 100
82 56.3 44.3 66.5
119 32.9 25.7 38.5



#67
Ethyl Benzene
Concen: 1.792 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

Tgt Ion: 91 Resp: 12268
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6

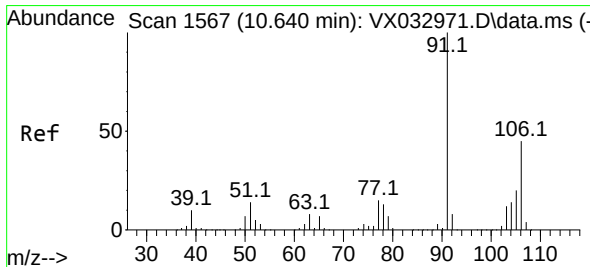
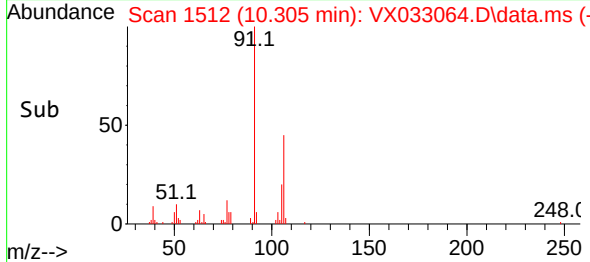
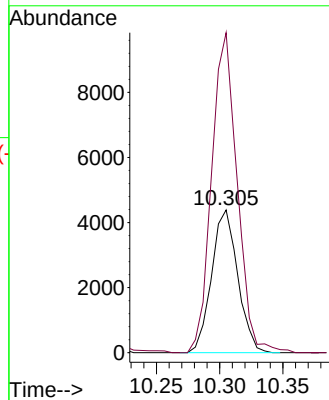
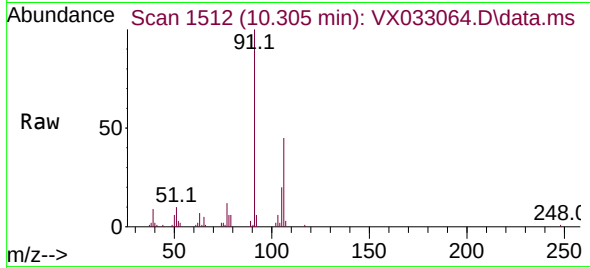




#68
m/p-Xylenes
Concen: 2.348 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

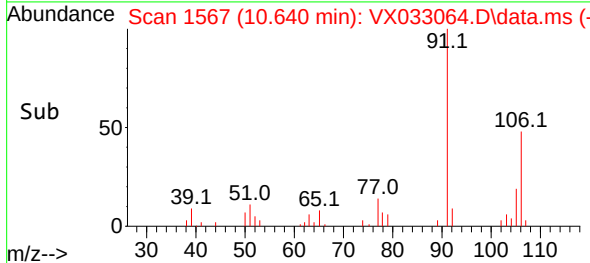
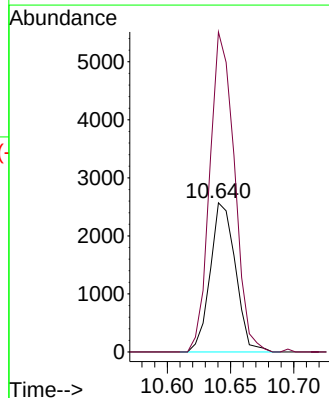
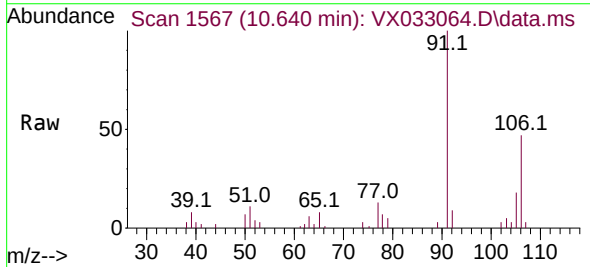
Instrument :
MSVOA_X
ClientSampleId :
MW-28DL

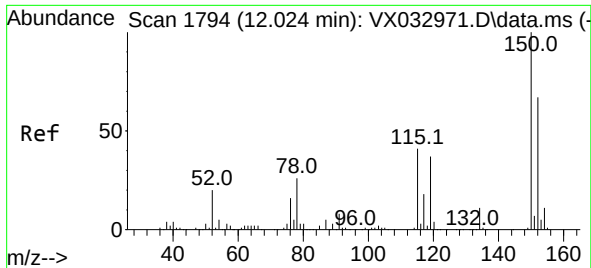
Tgt Ion:106 Resp: 6297
Ion Ratio Lower Upper
106 100
91 219.1 164.5 246.7



#69
o-Xylene
Concen: 1.374 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

Tgt Ion:106 Resp: 3566
Ion Ratio Lower Upper
106 100
91 209.6 109.2 327.6

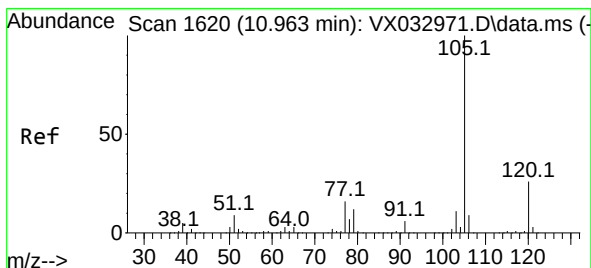
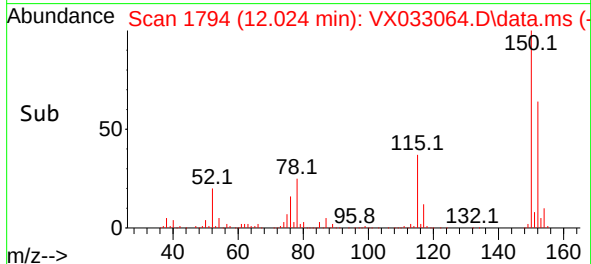
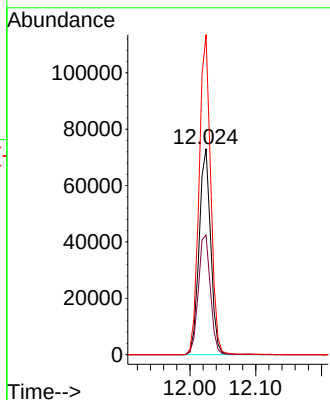
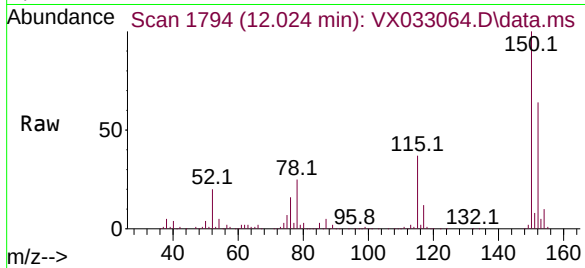




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

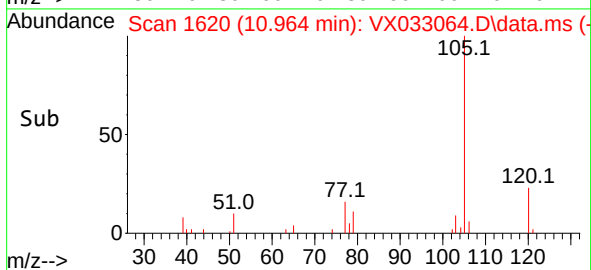
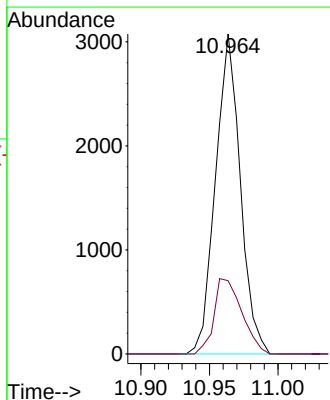
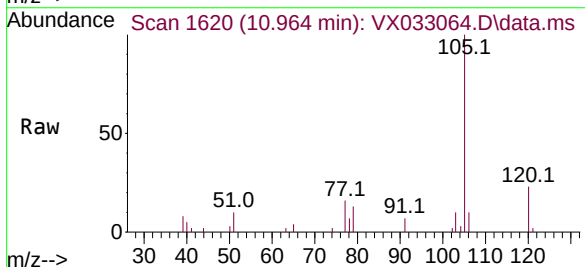
Instrument :
MSVOA_X
ClientSampleId :
MW-28DL

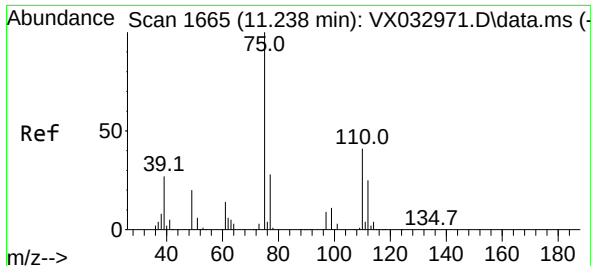
Tgt Ion:152 Resp: 89242
Ion Ratio Lower Upper
152 100
115 60.4 44.0 132.0
150 156.0 0.0 351.8



#73
Isopropylbenzene
Concen: 0.605 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

Tgt Ion:105 Resp: 3860
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.3

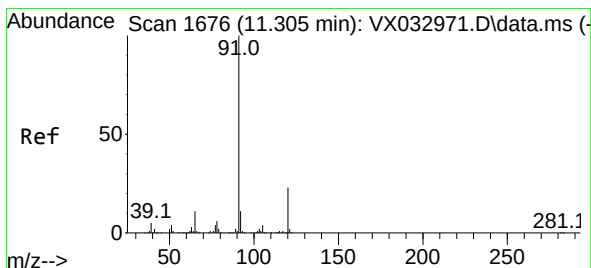
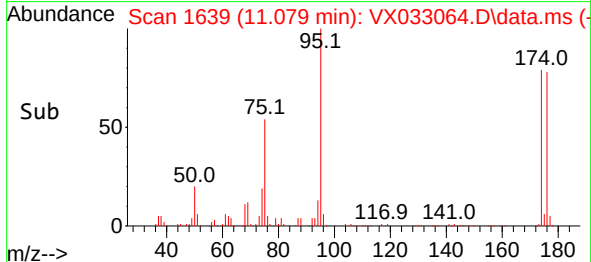
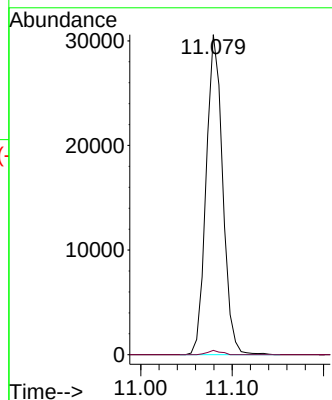
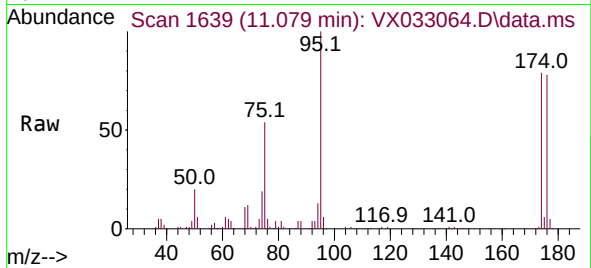




#76
1,2,3-Trichloropropane
Concen: 22.646 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

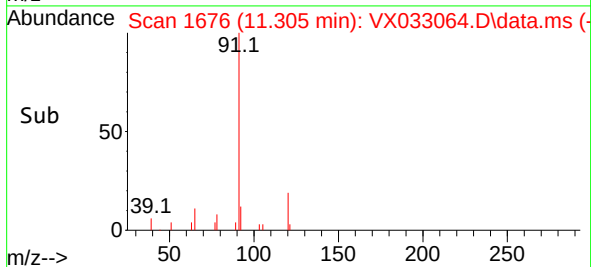
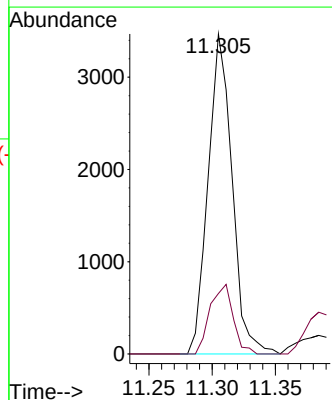
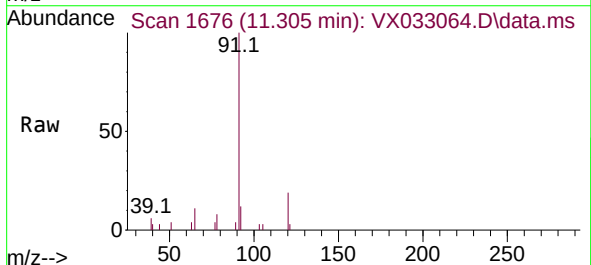
Instrument :
MSVOA_X
ClientSampleId :
MW-28DL

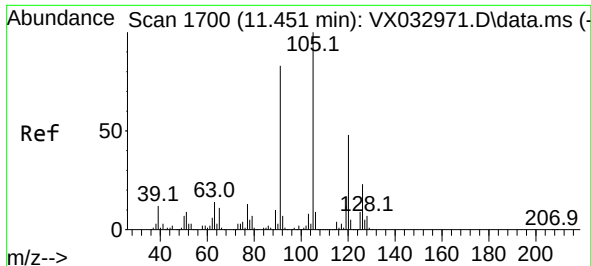
Tgt Ion: 75 Resp: 38274
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#78
n-propylbenzene
Concen: 0.627 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

Tgt Ion: 91 Resp: 4573
Ion Ratio Lower Upper
91 100
120 21.0 11.6 34.8

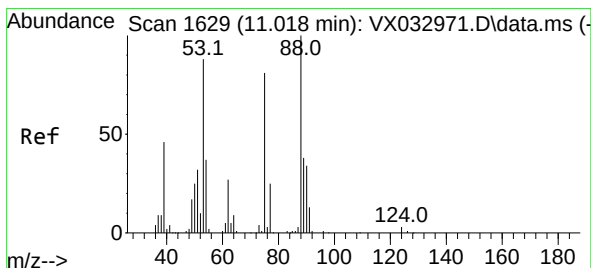
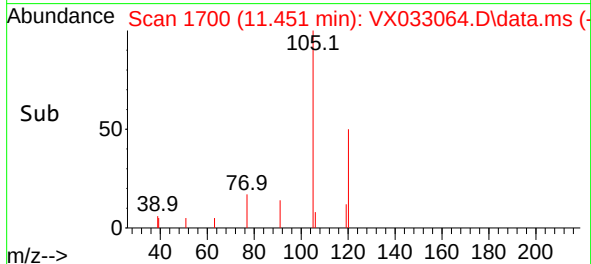
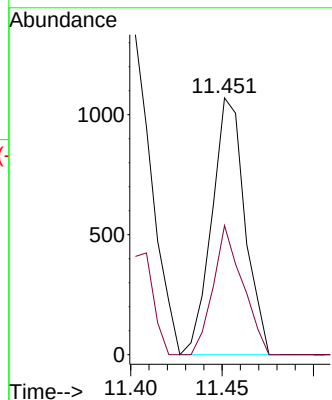
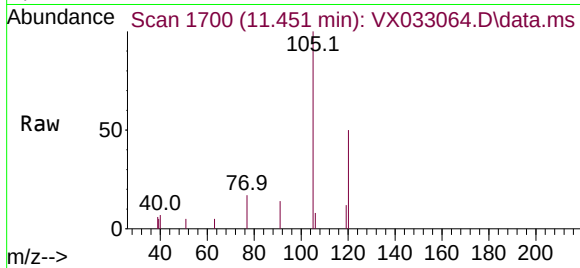




#80
1,3,5-Trimethylbenzene
Concen: 0.251 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

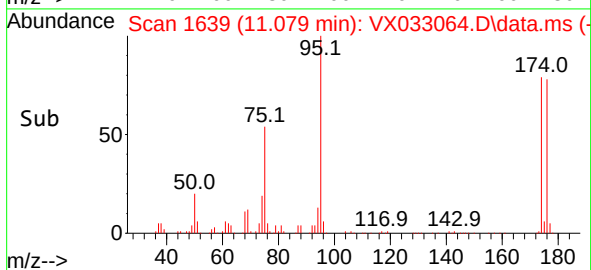
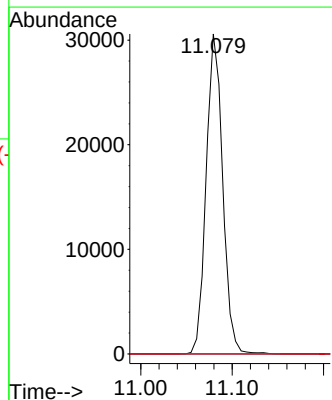
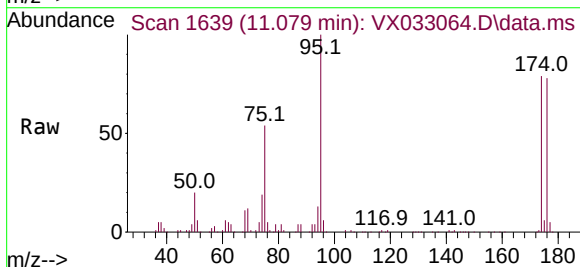
Instrument :
MSVOA_X
ClientSampleId :
MW-28DL

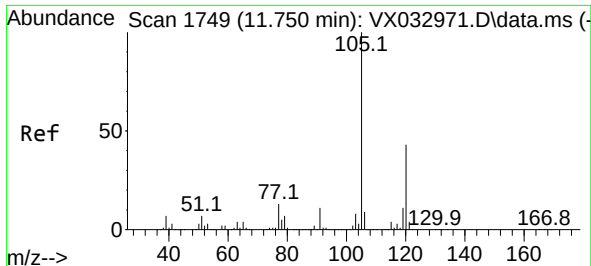
Tgt Ion:105 Resp: 1346
Ion Ratio Lower Upper
105 100
120 44.9 23.6 71.0



#81
trans-1,4-Dichloro-2-butene
Concen: 73.610 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033064.D
Acq: 25 Nov 2022 13:46

Tgt Ion: 75 Resp: 38274
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

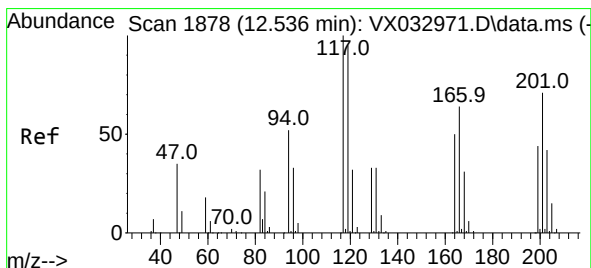
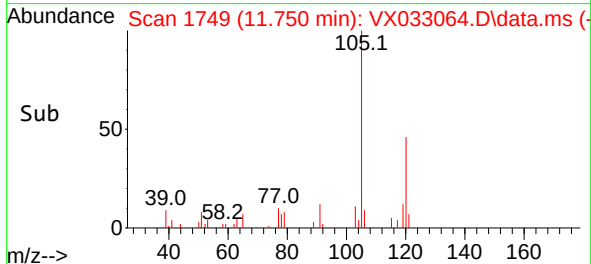
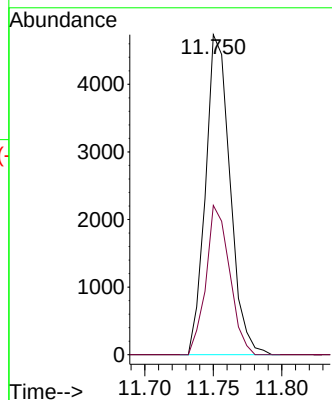
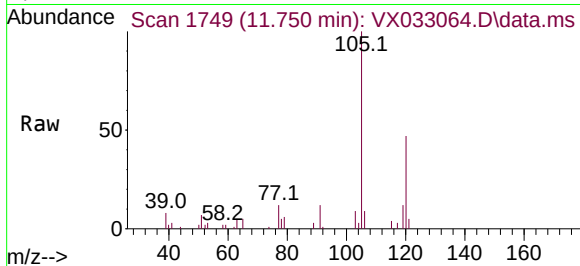




#84
 1,2,4-Trimethylbenzene
 Concen: 1.102 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX033064.D
 Acq: 25 Nov 2022 13:46

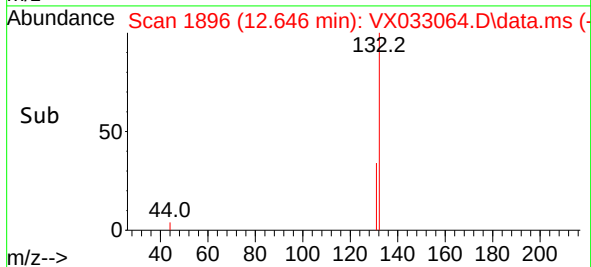
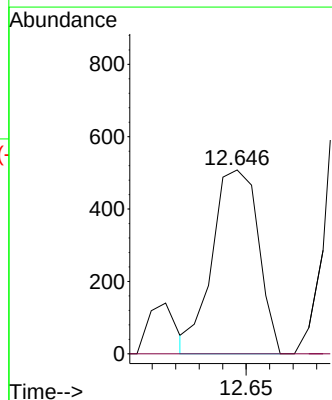
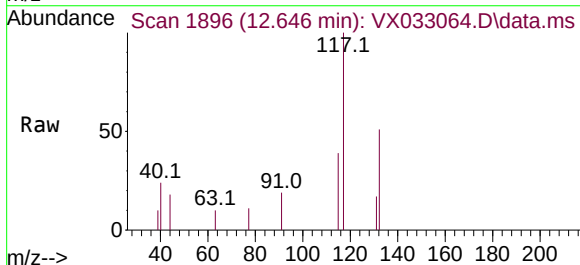
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-28DL

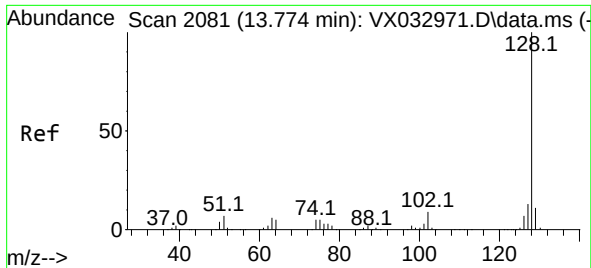
Tgt Ion:105 Resp: 5888
 Ion Ratio Lower Upper
 105 100
 120 44.9 21.9 65.5



#90
 Hexachloroethane
 Concen: 0.780 ug/l
 RT: 12.646 min Scan# 1896
 Delta R.T. 0.104 min
 Lab File: VX033064.D
 Acq: 25 Nov 2022 13:46

Tgt Ion:117 Resp: 693
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.6 112.9#





#95

Naphthalene

Concen: 0.909 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX033064.D

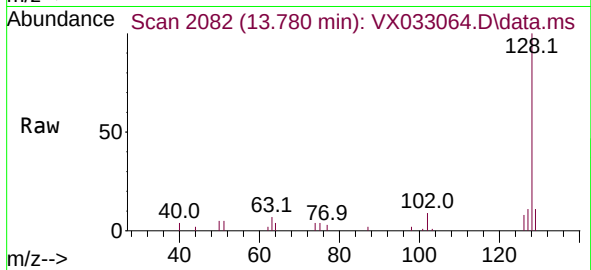
Acq: 25 Nov 2022 13:46

Instrument :

MSVOA_X

ClientSampleId :

MW-28DL



Tgt Ion:	128	Resp:	5186
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	9.6	8.9	13.3

