

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021622\
 Data File : VX027058.D
 Acq On : 16 Feb 2022 18:35
 Operator : JC/MD
 Sample : N1575-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-24

Quant Time: Feb 17 07:16:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

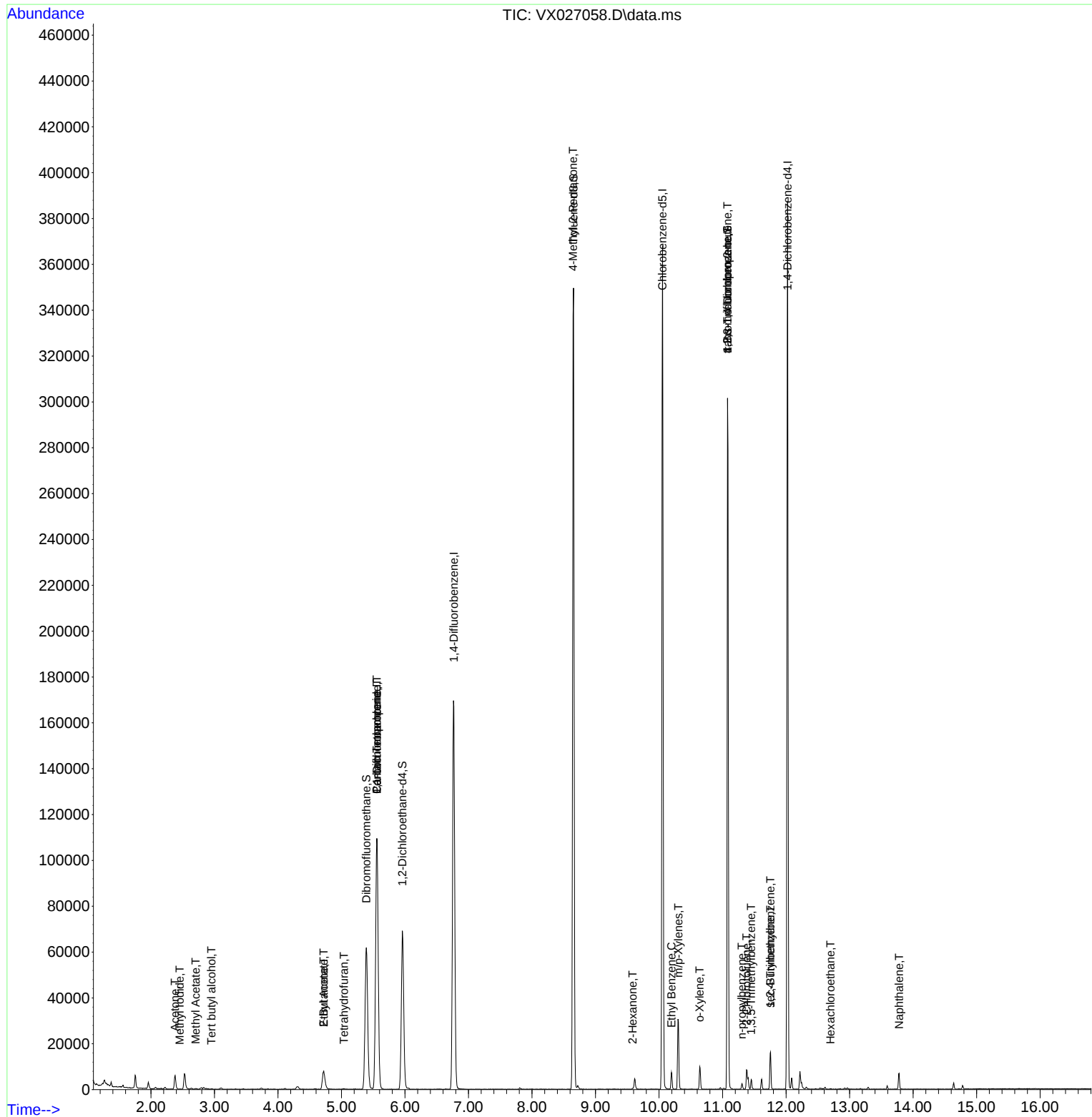
Internal Standards						
1) Pentafluorobenzene	5.556	168	106887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	178201	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	167259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66224	51.614	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.220%			
35) Dibromofluoromethane	5.391	113	54612	51.439	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.880%			
50) Toluene-d8	8.653	98	208228	53.431	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.860%			
62) 4-Bromofluorobenzene	11.079	95	82794	60.343	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 120.680%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.703	64	63	Below Cal	#	43
10) Methyl Iodide	2.453	142	42	2.280	ug/l #	37
11) Tert butyl alcohol	2.953	59	224	0.966	ug/l #	75
16) Acetone	2.380	43	6512	11.556	ug/l #	88
18) Methyl Acetate	2.703	43	427	0.263	ug/l #	73
25) 2-Butanone	4.721	43	14288	15.737	ug/l #	50
29) Tetrahydrofuran	5.038	42	234	0.379	ug/l #	40
36) 1,1-Dichloropropene	5.556	75	7899	4.716	ug/l #	50
37) Ethyl Acetate	4.721	43	14366	7.547	ug/l	97
38) Carbon Tetrachloride	5.556	117	10673	6.077	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	913	0.514	ug/l #	1
59) 2-Hexanone	9.586	43	344	0.265	ug/l #	25
67) Ethyl Benzene	10.195	91	4503	0.736	ug/l	92
68) m/p-Xylenes	10.305	106	7248	3.077	ug/l	95
69) o-Xylene	10.640	106	2212	0.958	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	40588	23.378	ug/l #	40
78) n-propylbenzene	11.305	91	1866	0.269	ug/l	96
79) 2-Chlorotoluene	11.378	91	875	0.204	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	2034	0.396	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	40588	71.529	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	7820	1.508	ug/l	97
85) sec-Butylbenzene	11.756	105	7820	1.259	ug/l #	56
90) Hexachloroethane	12.701	117	188	0.247	ug/l #	14
95) Naphthalene	13.780	128	5103	0.879	ug/l	97

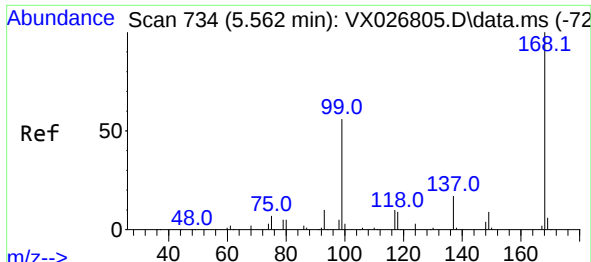
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 08 07:07:46 2022
Response via : Initial Calibration

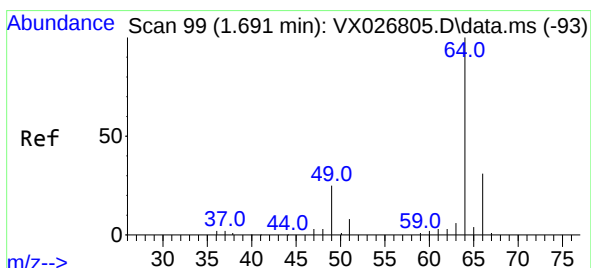
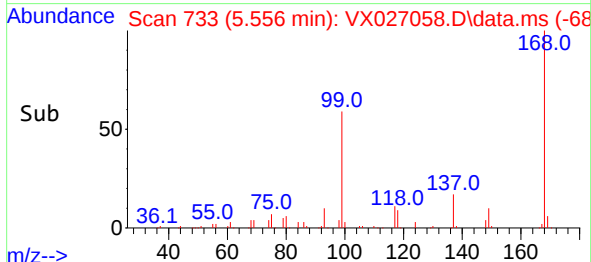
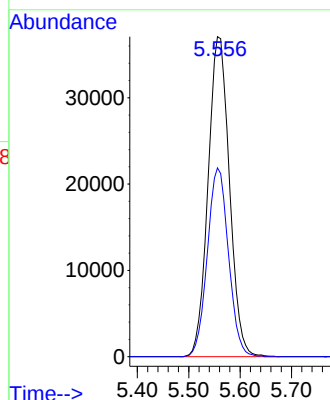
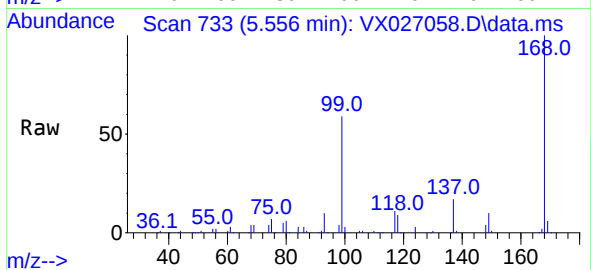




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

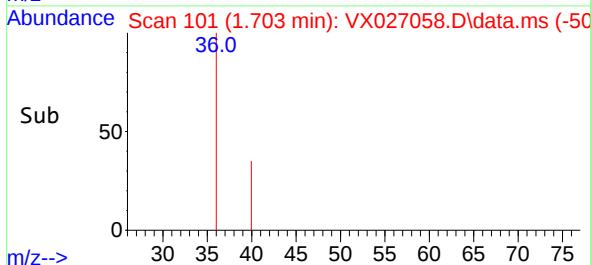
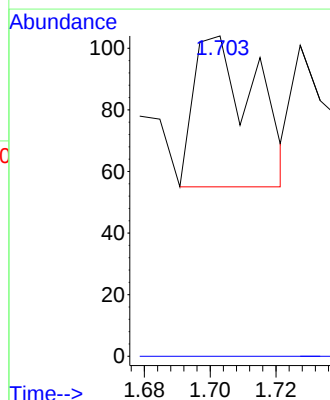
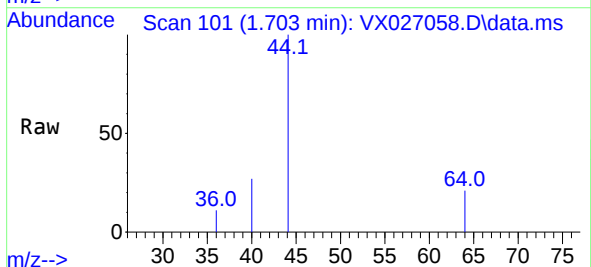
Instrument :
MSVOA_X
ClientSampleId :
MW-24

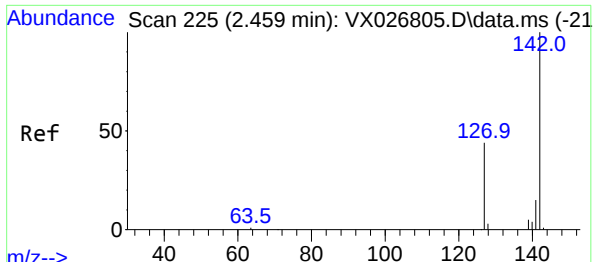
Tgt Ion:168 Resp: 106887
Ion Ratio Lower Upper
168 100
99 59.0 50.3 75.5



#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.012 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Tgt Ion: 64 Resp: 63
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

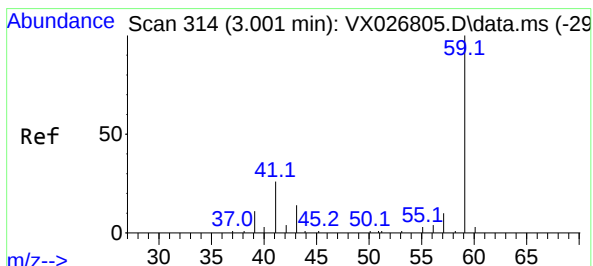
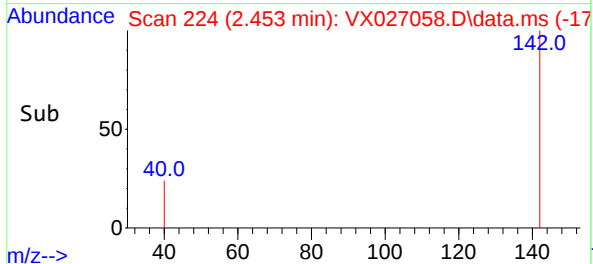
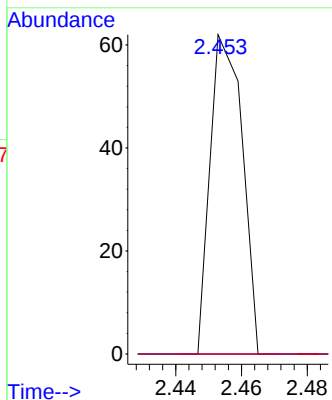
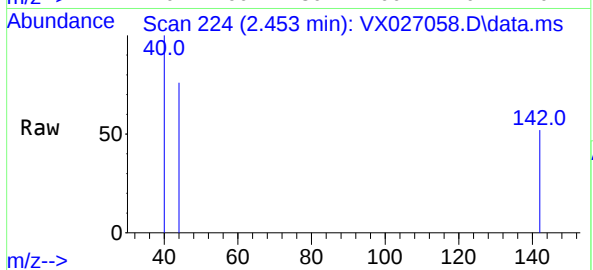




#10
Methyl Iodide
Concen: 2.280 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

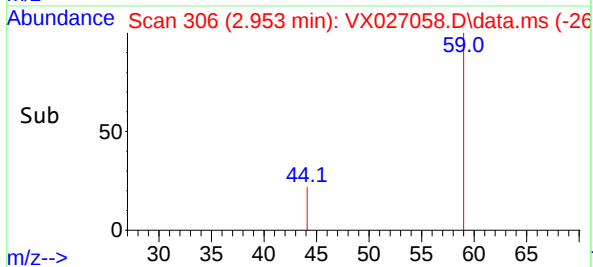
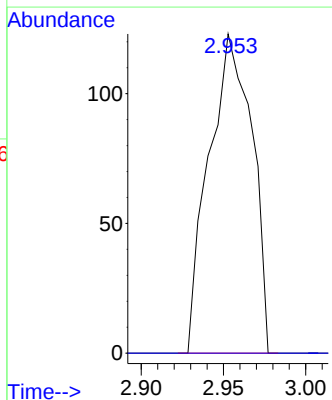
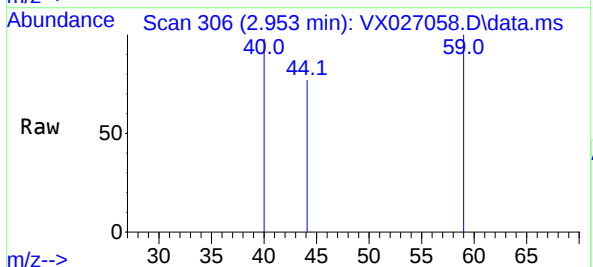
Instrument :
MSVOA_X
ClientSampleId :
MW-24

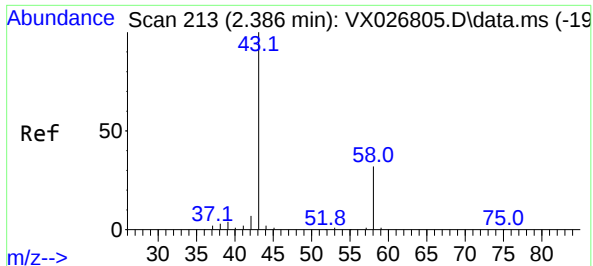
Tgt Ion:142 Resp: 42
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.966 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.048 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Tgt Ion: 59 Resp: 224
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

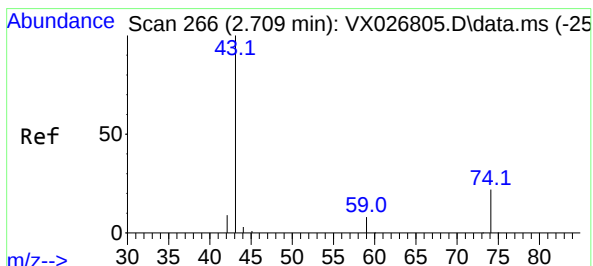
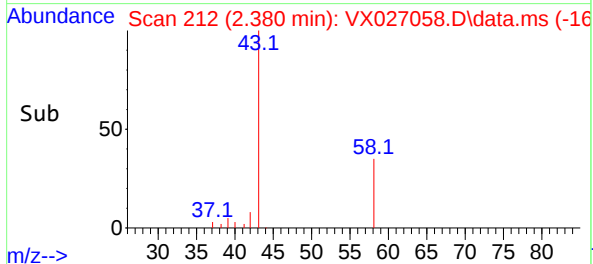
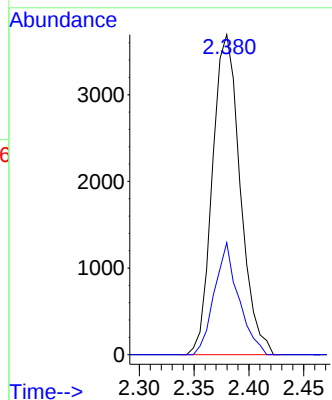
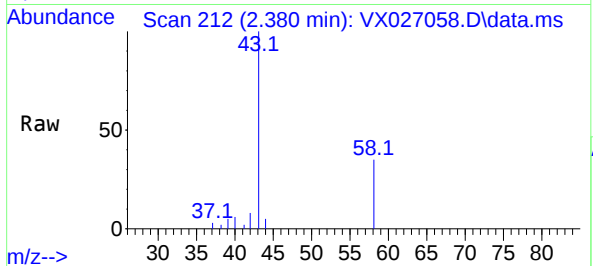




#16
Acetone
Concen: 11.556 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

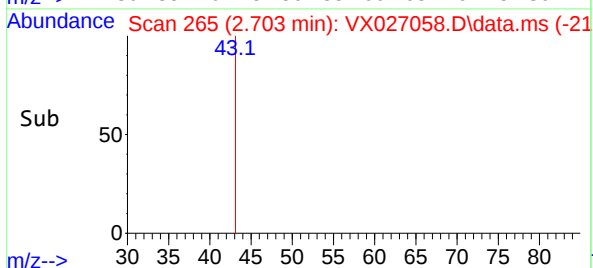
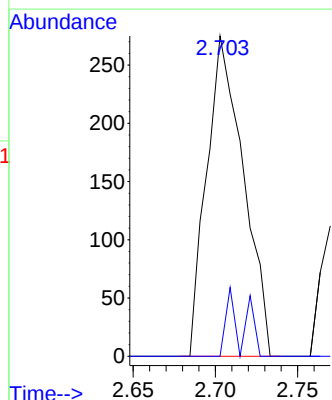
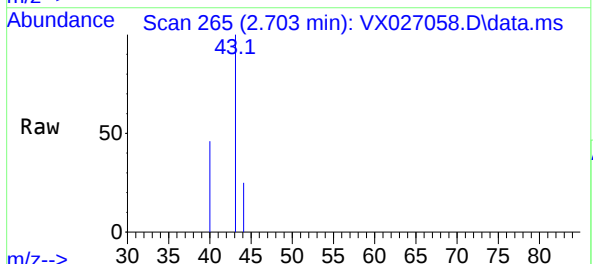
Instrument :
MSVOA_X
ClientSampleId :
MW-24

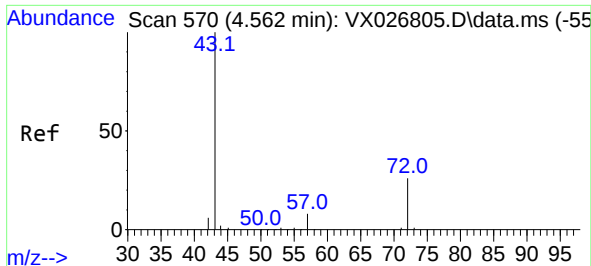
Tgt Ion: 43 Resp: 6512
Ion Ratio Lower Upper
43 100
58 35.0 23.0 34.6#



#18
Methyl Acetate
Concen: 0.263 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Tgt Ion: 43 Resp: 427
Ion Ratio Lower Upper
43 100
74 9.6 18.3 27.5#

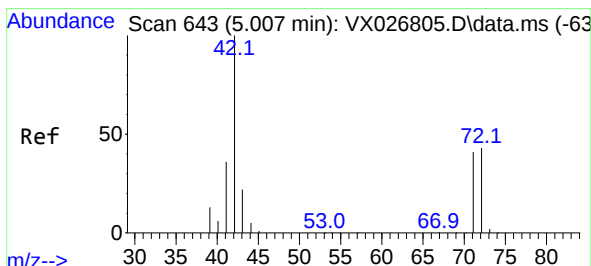
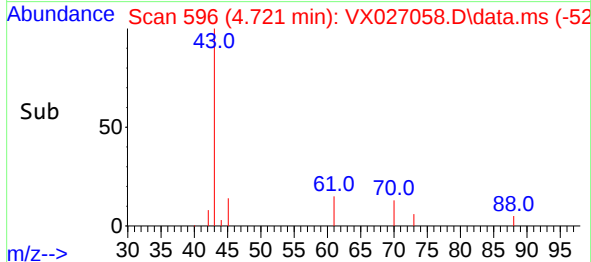
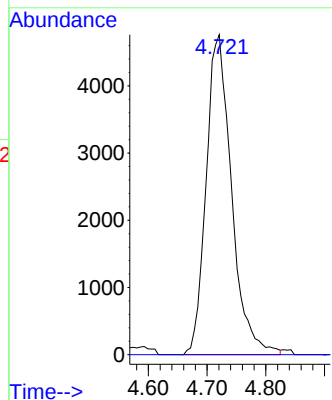
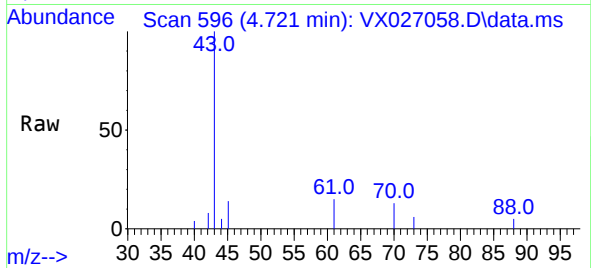




#25
2-Butanone
Concen: 15.737 ug/l
RT: 4.721 min Scan# 51
Delta R.T. 0.159 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

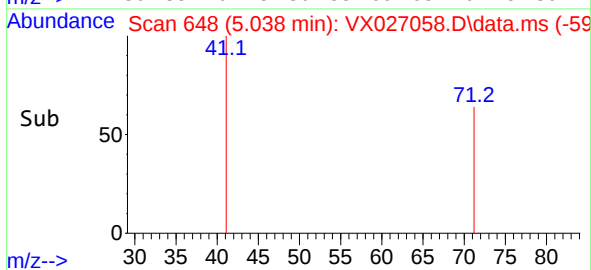
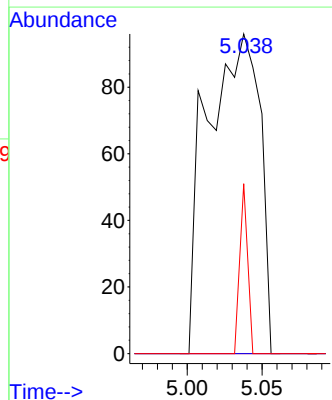
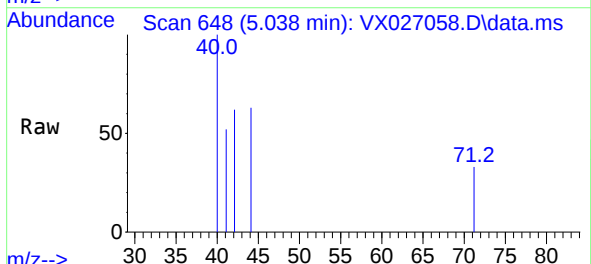
Instrument :
MSVOA_X
ClientSampleId :
MW-24

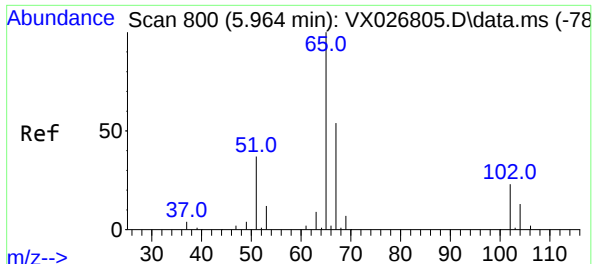
Tgt Ion: 43 Resp: 14288
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#29
Tetrahydrofuran
Concen: 0.379 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Tgt Ion: 42 Resp: 234
Ion Ratio Lower Upper
42 100
72 0.0 34.6 52.0#
71 8.1 31.8 47.8#





#33

1,2-Dichloroethane-d4

Concen: 51.614 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX027058.D

Acq: 16 Feb 2022 18:35

Instrument :

MSVOA_X

ClientSampleId :

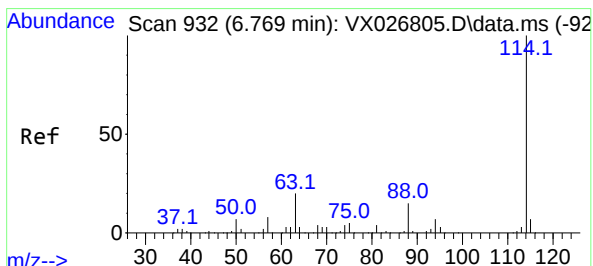
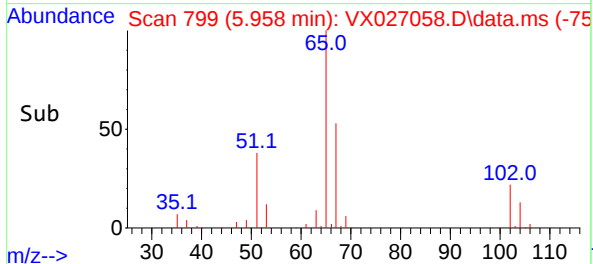
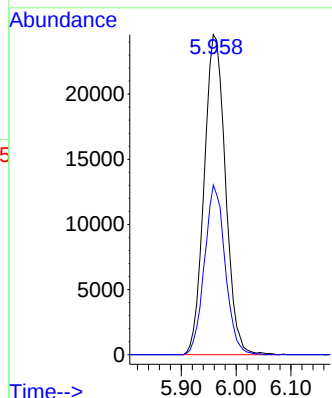
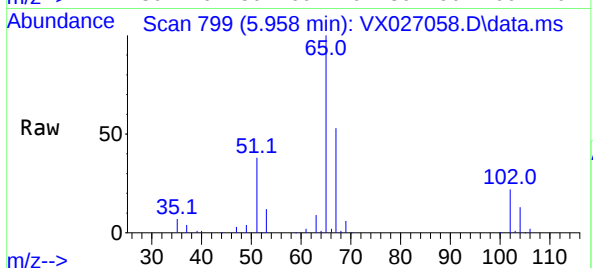
MW-24

Tgt Ion: 65 Resp: 66224

Ion Ratio Lower Upper

65 100

67 51.4 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX027058.D

Acq: 16 Feb 2022 18:35

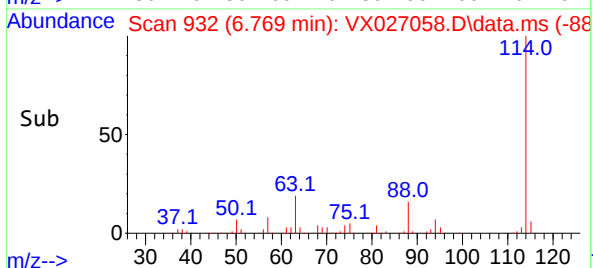
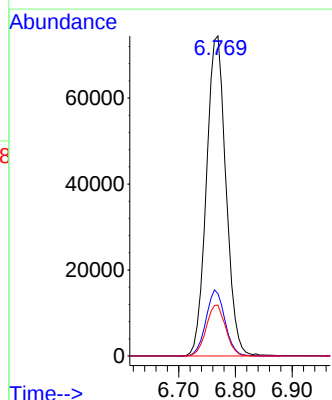
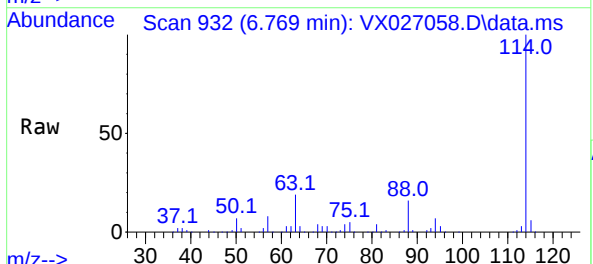
Tgt Ion: 114 Resp: 178201

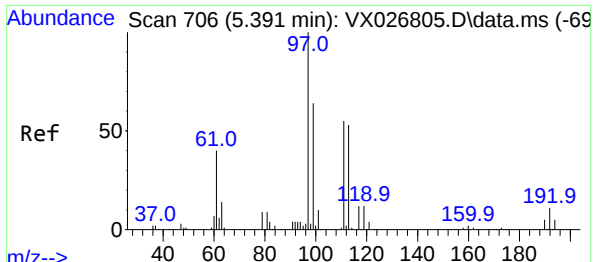
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.8

88 15.9 0.0 33.0

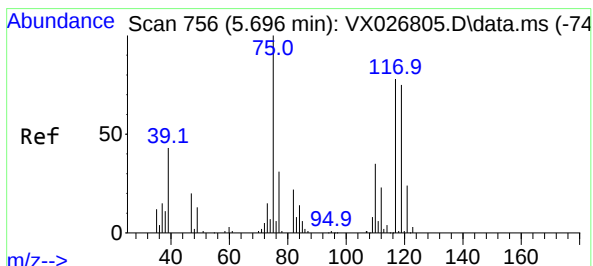
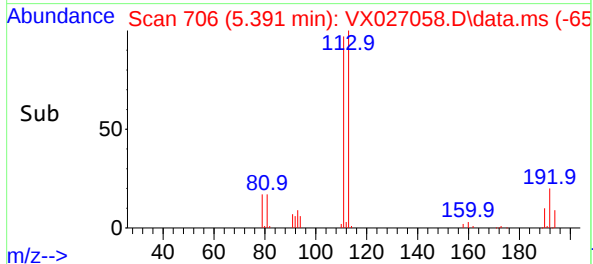
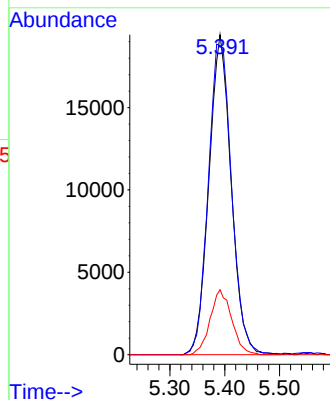
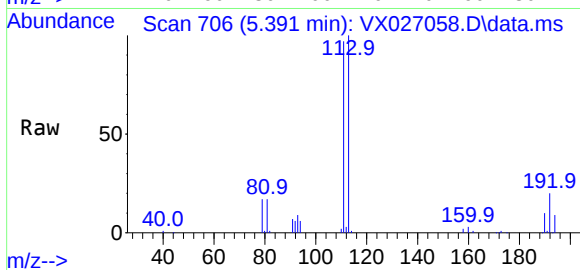




#35
Dibromofluoromethane
Concen: 51.439 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

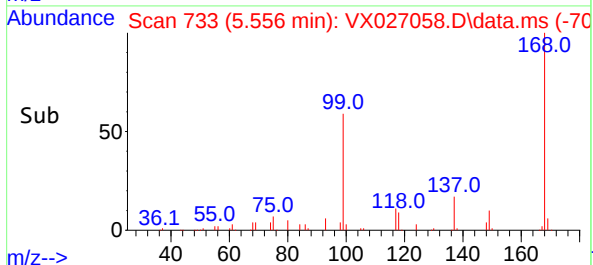
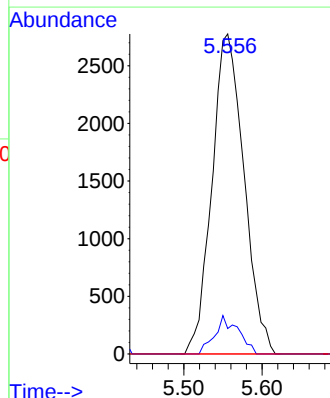
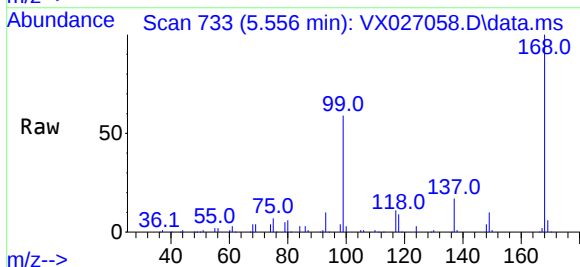
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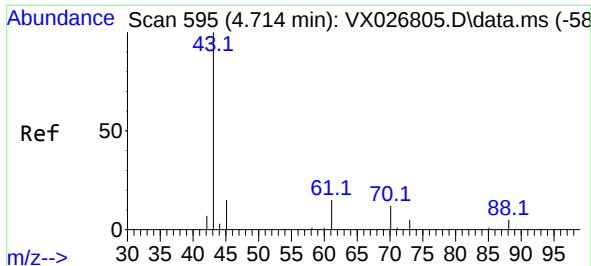
Tgt Ion:113 Resp: 54612
Ion Ratio Lower Upper
113 100
111 102.6 81.2 121.8
192 19.7 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.716 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Tgt Ion: 75 Resp: 7899
Ion Ratio Lower Upper
75 100
110 8.8 17.2 51.6#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 7.547 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX027058.D

Acq: 16 Feb 2022 18:35

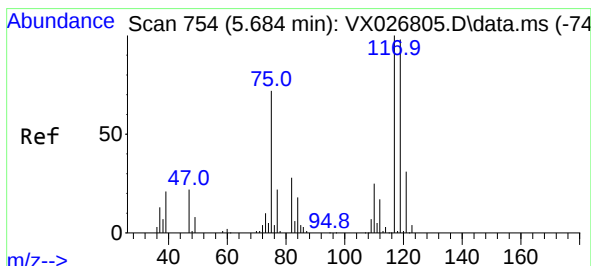
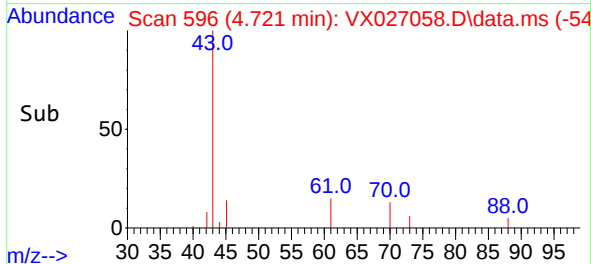
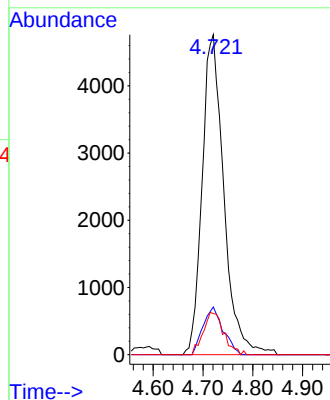
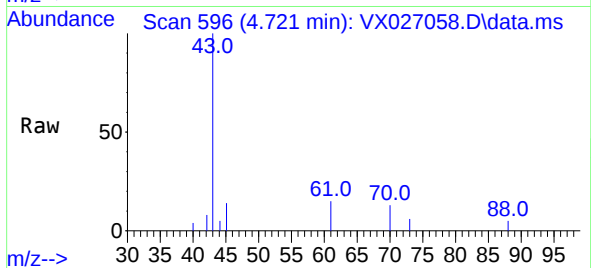
Instrument :

MSVOA_X

ClientSampleId :

MW-24

Tgt Ion:	43	Resp:	14366
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	16.0
70	12.5	8.5	12.7



#38

Carbon Tetrachloride

Concen: 6.077 ug/l

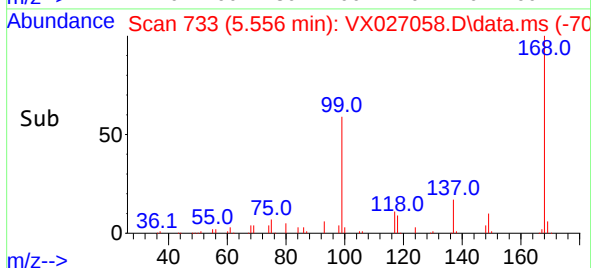
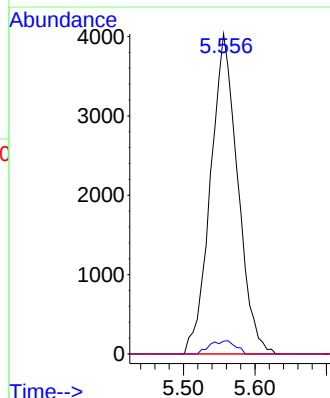
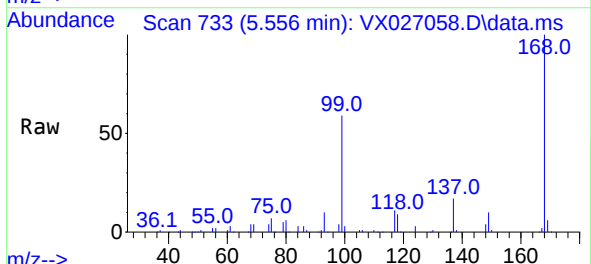
RT: 5.556 min Scan# 733

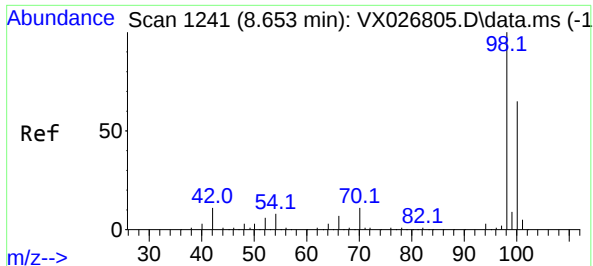
Delta R.T. -0.128 min

Lab File: VX027058.D

Acq: 16 Feb 2022 18:35

Tgt Ion:	117	Resp:	10673
Ion	Ratio	Lower	Upper
117	100		
119	4.0	74.7	112.1#
121	0.0	25.4	38.0#





#50

Toluene-d8

Concen: 53.431 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX027058.D

Acq: 16 Feb 2022 18:35

Instrument :

MSVOA_X

ClientSampleId :

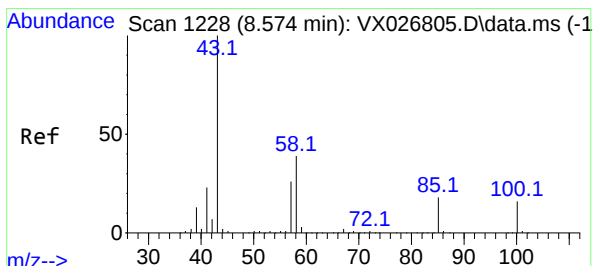
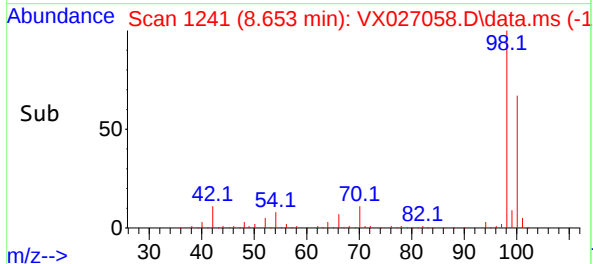
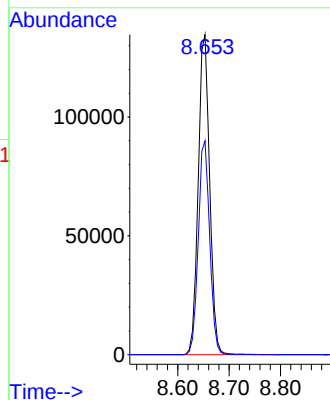
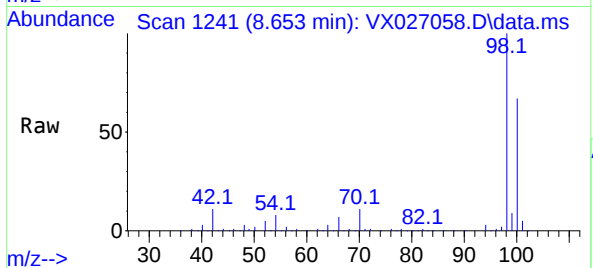
MW-24

Tgt Ion: 98 Resp: 208228

Ion Ratio Lower Upper

98 100

100 66.7 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 0.514 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX027058.D

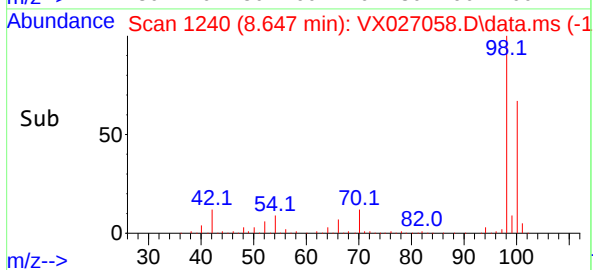
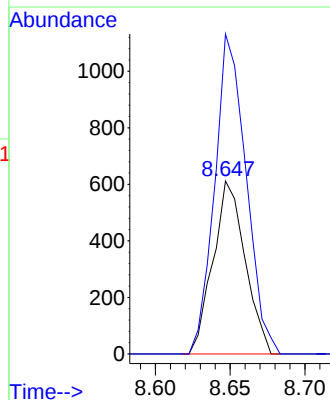
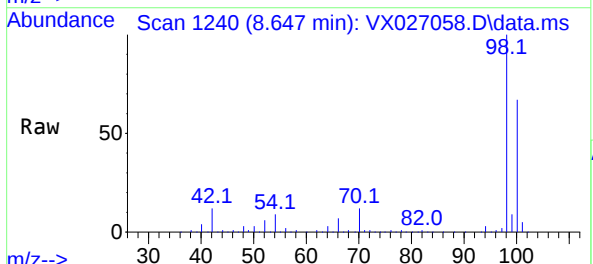
Acq: 16 Feb 2022 18:35

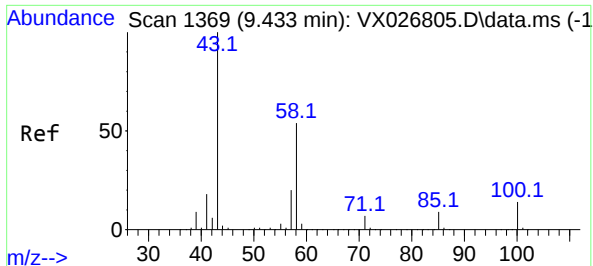
Tgt Ion: 43 Resp: 913

Ion Ratio Lower Upper

43 100

58 180.9 30.5 45.7#

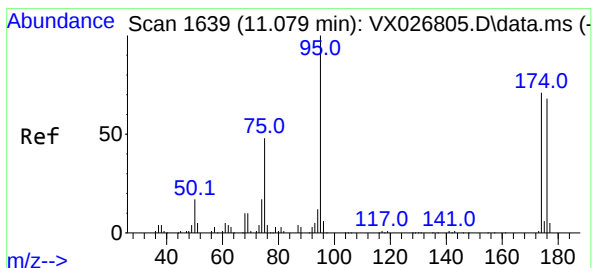
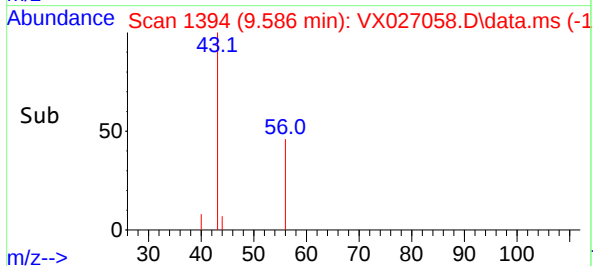
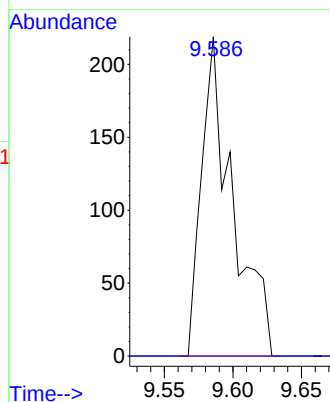
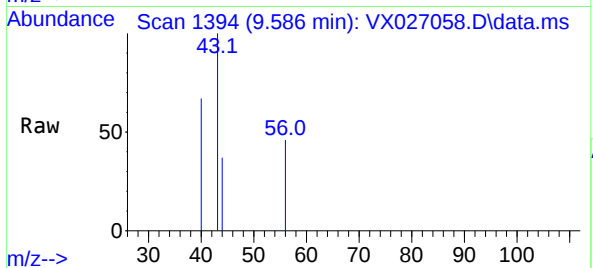




#59
2-Hexanone
Concen: 0.265 ug/l
RT: 9.586 min Scan# 1394
Delta R.T. 0.153 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

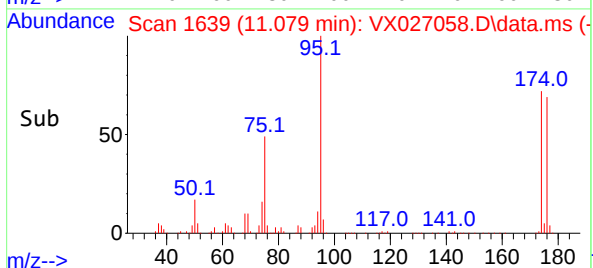
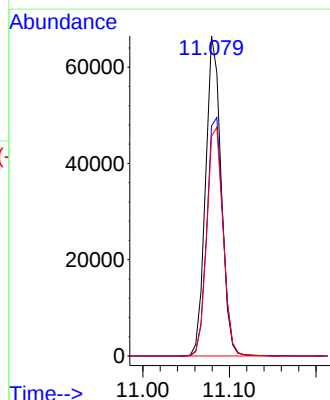
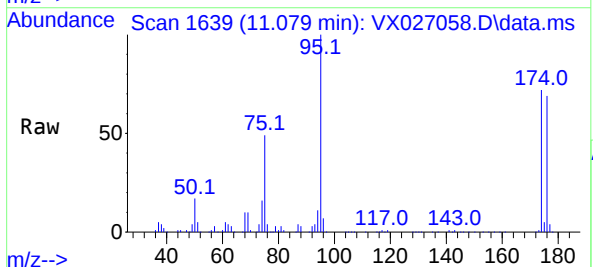
Instrument :
MSVOA_X
ClientSampleId :
MW-24

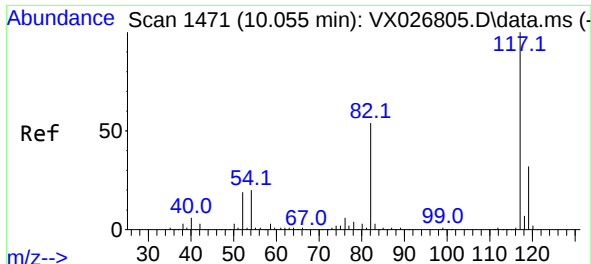
Tgt Ion: 43 Resp: 344
Ion Ratio Lower Upper
43 100
58 0.0 26.4 79.2#



#62
4-Bromofluorobenzene
Concen: 60.343 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Tgt Ion: 95 Resp: 82794
Ion Ratio Lower Upper
95 100
174 77.7 0.0 148.6
176 74.6 0.0 141.4

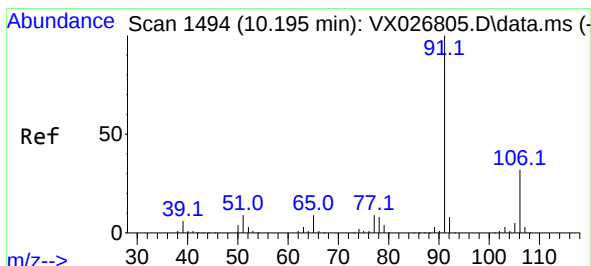
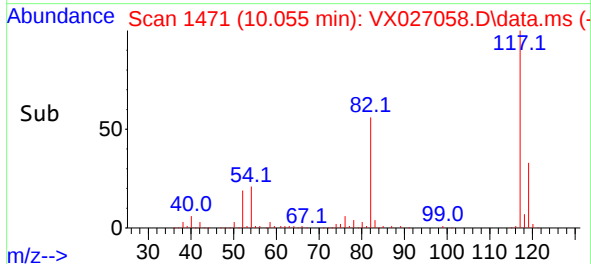
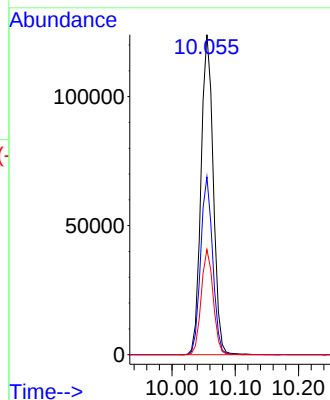
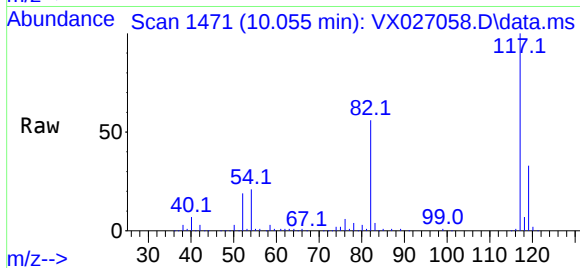




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

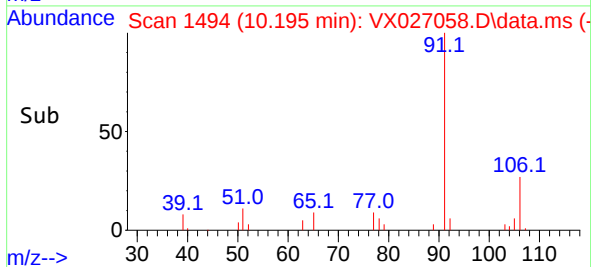
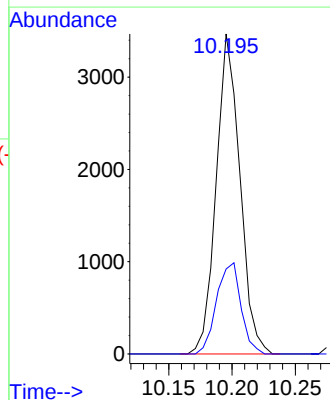
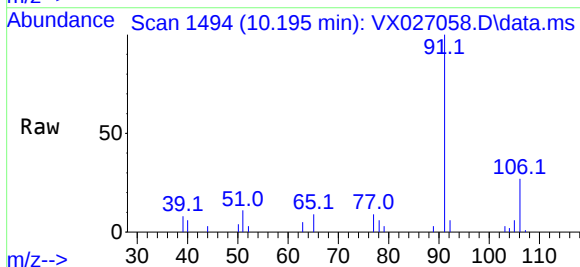
Instrument :
MSVOA_X
ClientSampleId :
MW-24

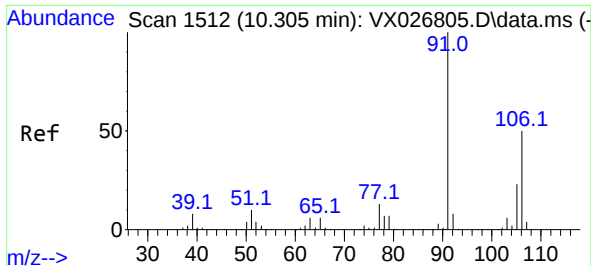
Tgt Ion:117 Resp: 167259
Ion Ratio Lower Upper
117 100
82 55.6 45.2 67.8
119 32.9 26.2 39.2



#67
Ethyl Benzene
Concen: 0.736 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Tgt Ion: 91 Resp: 4503
Ion Ratio Lower Upper
91 100
106 26.6 24.7 37.1

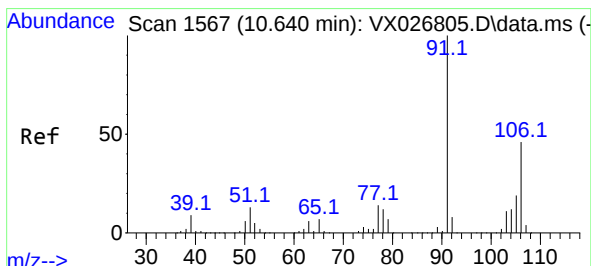
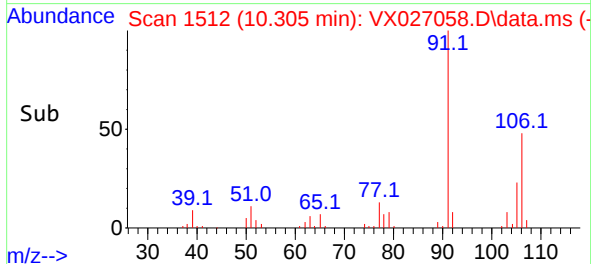
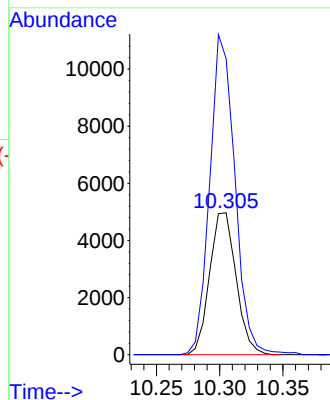
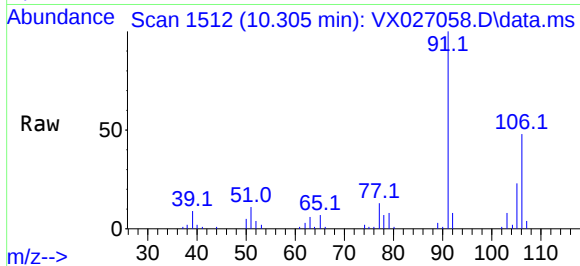




#68
m/p-Xylenes
Concen: 3.077 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

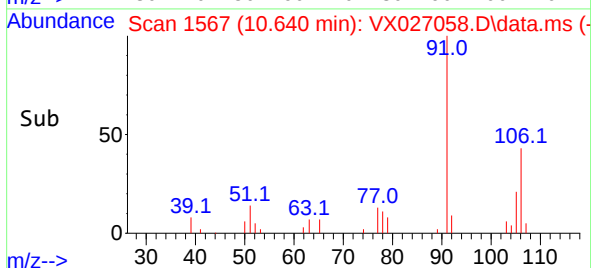
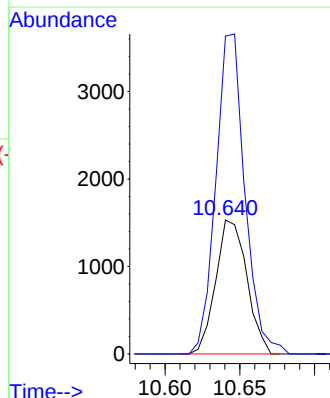
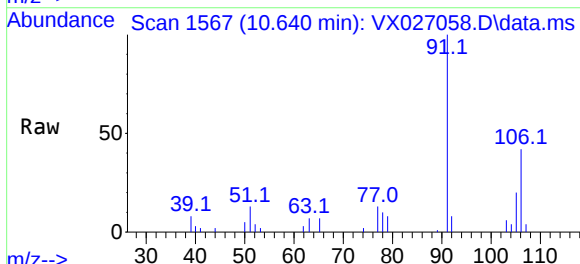
Instrument :
MSVOA_X
ClientSampleId :
MW-24

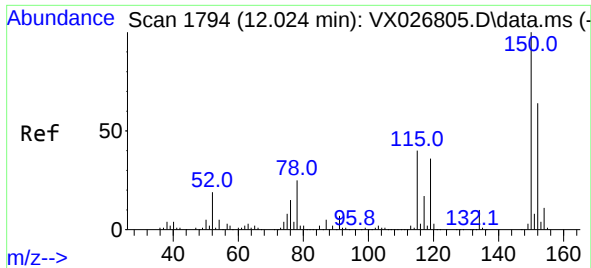
Tgt Ion:106 Resp: 7248
Ion Ratio Lower Upper
106 100
91 214.2 165.3 247.9



#69
o-Xylene
Concen: 0.958 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Tgt Ion:106 Resp: 2212
Ion Ratio Lower Upper
106 100
91 223.6 109.7 329.0

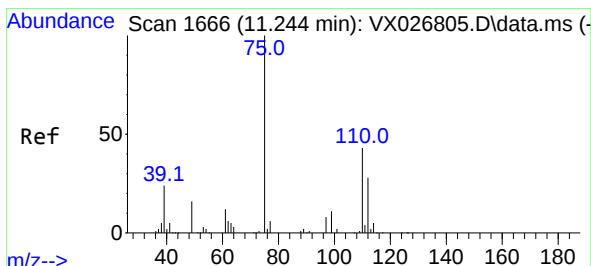
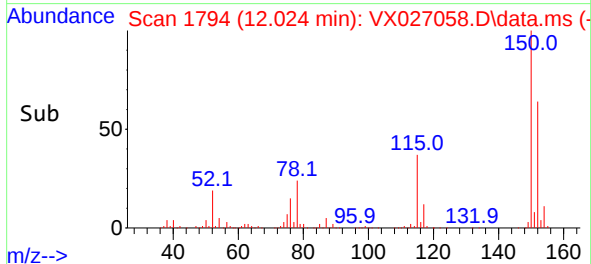
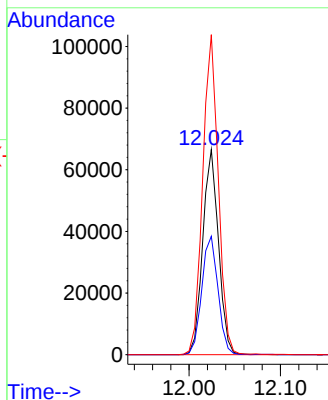
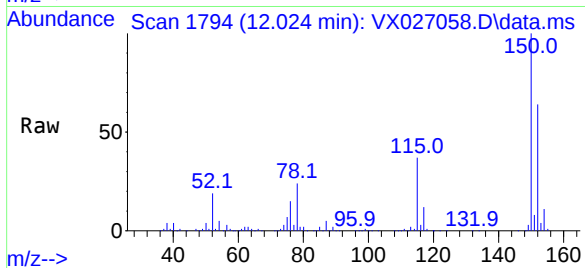




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

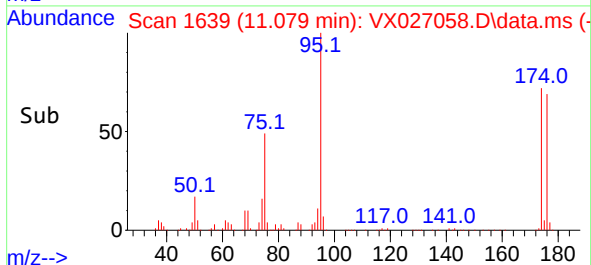
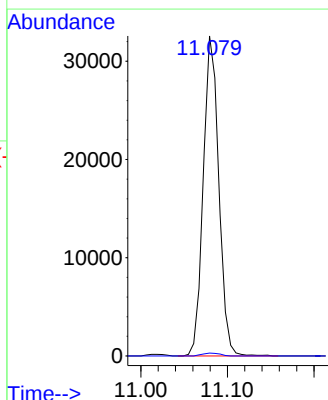
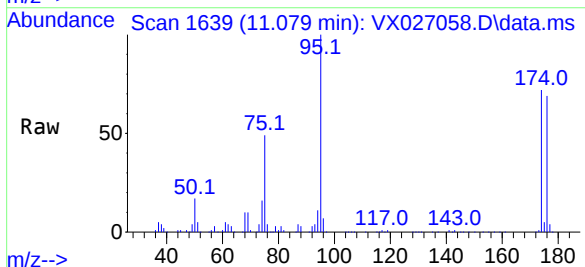
Instrument :
MSVOA_X
ClientSampleId :
MW-24

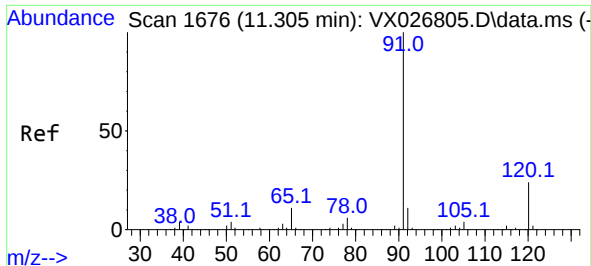
Tgt Ion:152 Resp: 79310
Ion Ratio Lower Upper
152 100
115 59.5 44.2 132.6
150 155.0 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 23.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Tgt Ion: 75 Resp: 40588
Ion Ratio Lower Upper
75 100
77 1.0 18.3 54.8#

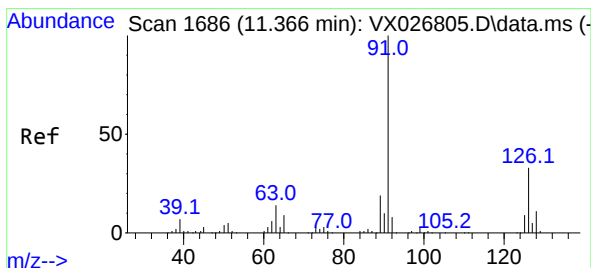
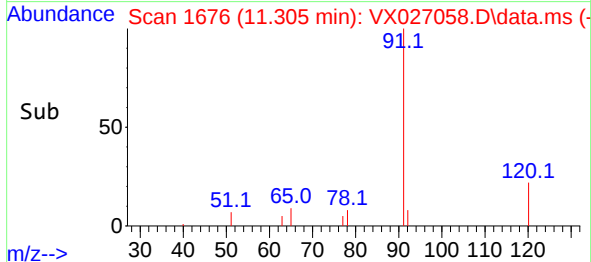
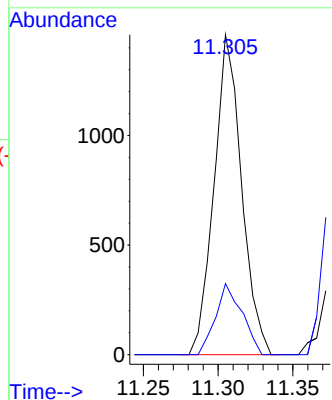
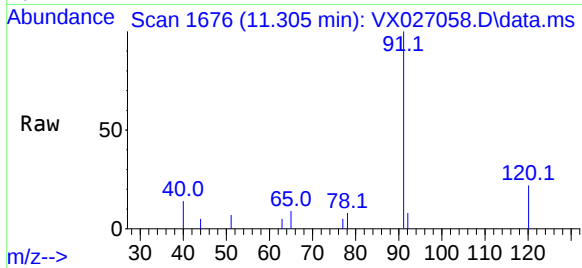




#78
n-propylbenzene
Concen: 0.269 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

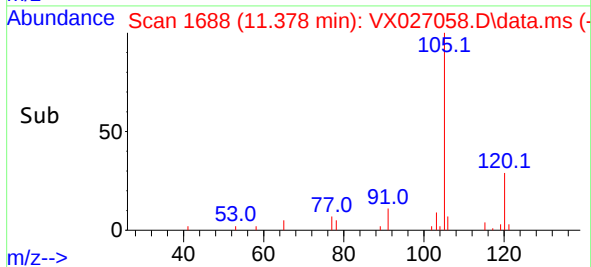
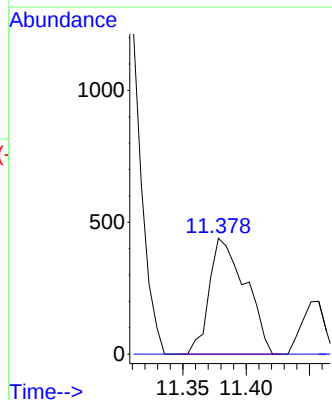
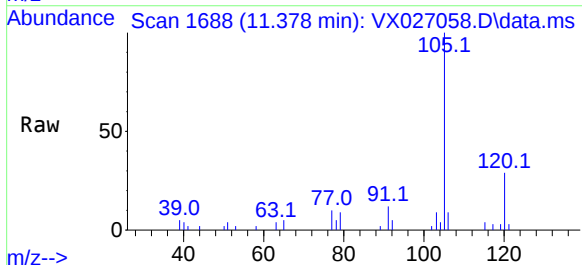
Instrument :
MSVOA_X
ClientSampleId :
MW-24

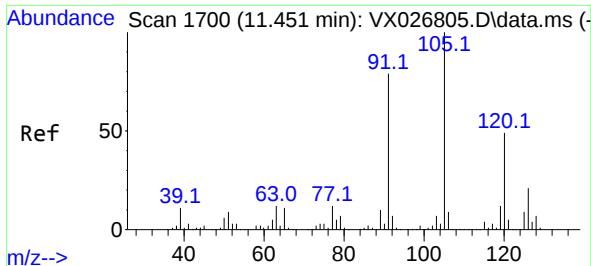
Tgt Ion: 91 Resp: 1866
Ion Ratio Lower Upper
91 100
120 21.3 11.6 34.7



#79
2-Chlorotoluene
Concen: 0.204 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.012 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Tgt Ion: 91 Resp: 875
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.2#

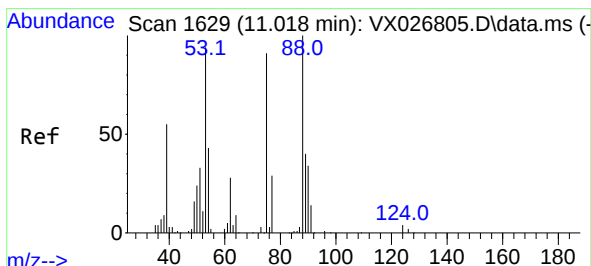
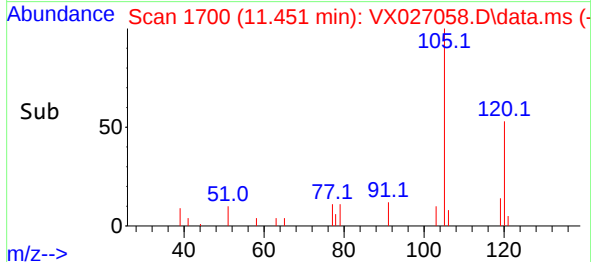
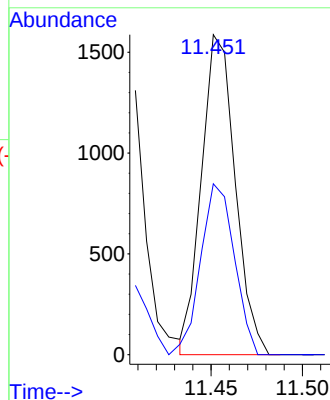
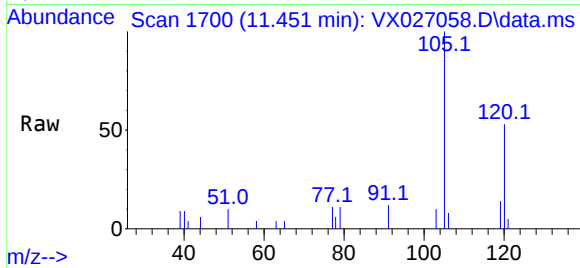




#80
1,3,5-Trimethylbenzene
Concen: 0.396 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

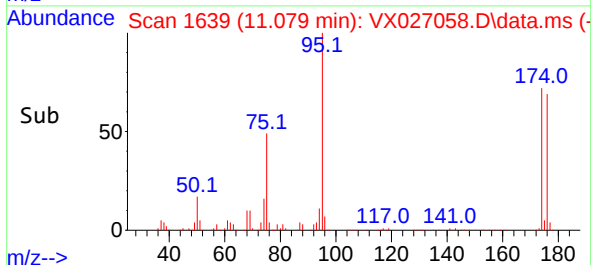
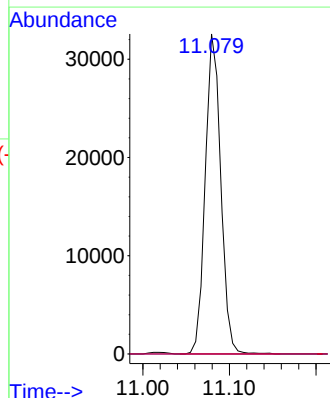
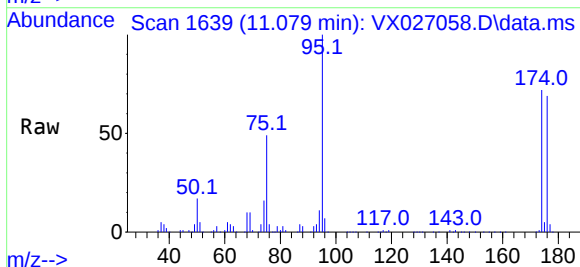
Instrument :
MSVOA_X
ClientSampleId :
MW-24

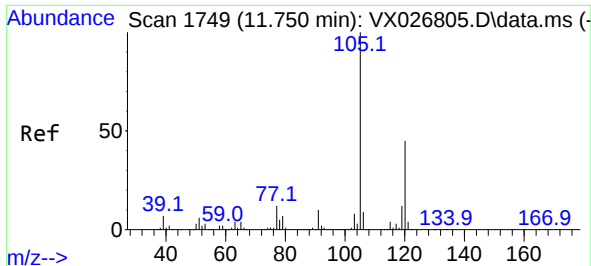
Tgt Ion:105 Resp: 2034
Ion Ratio Lower Upper
105 100
120 53.4 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 71.529 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Tgt Ion: 75 Resp: 40588
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

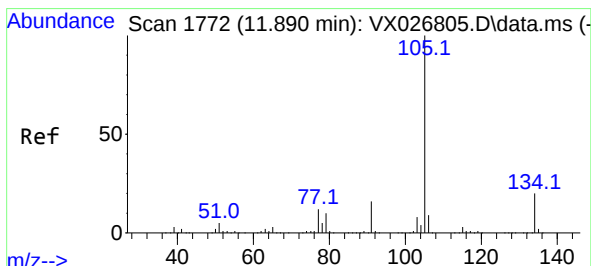
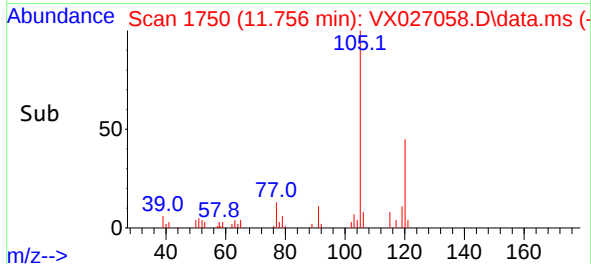
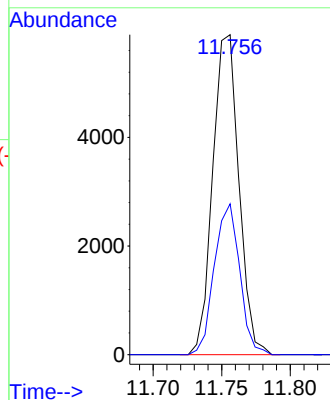
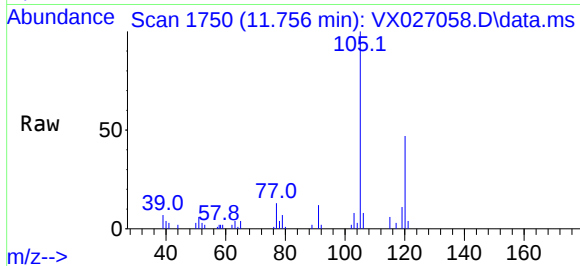




#84
1,2,4-Trimethylbenzene
Concen: 1.508 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

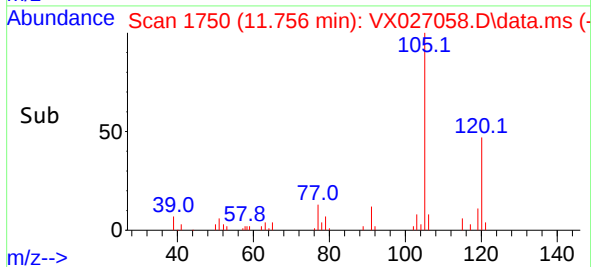
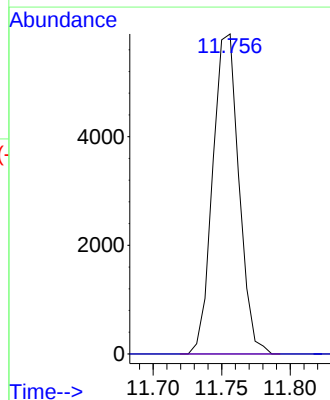
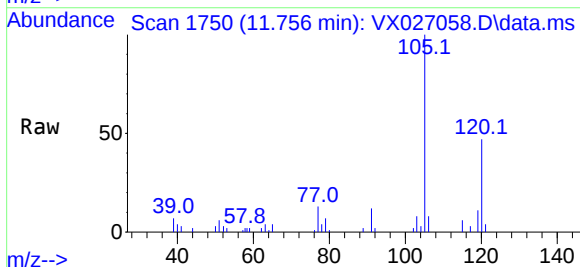
Instrument :
MSVOA_X
ClientSampleId :
MW-24

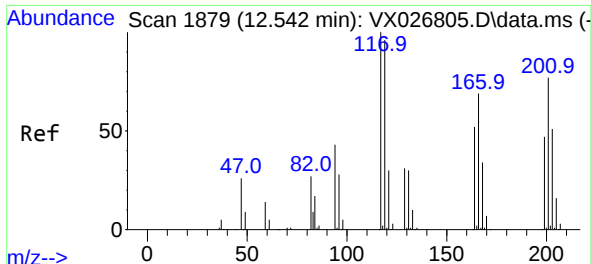
Tgt Ion:105 Resp: 7820
Ion Ratio Lower Upper
105 100
120 45.7 21.9 65.5



#85
sec-Butylbenzene
Concen: 1.259 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Tgt Ion:105 Resp: 7820
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#

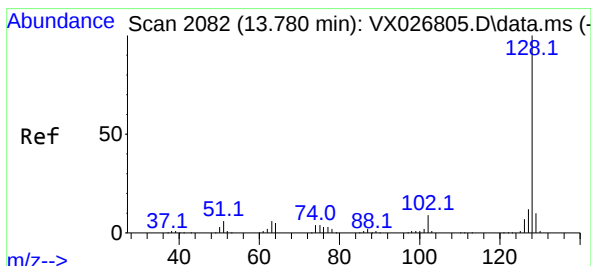
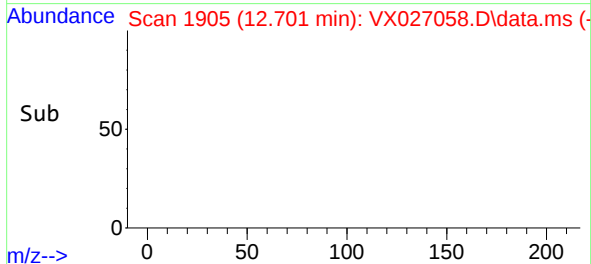
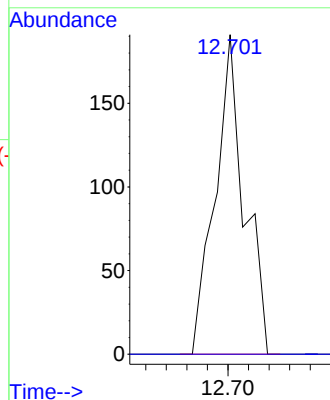
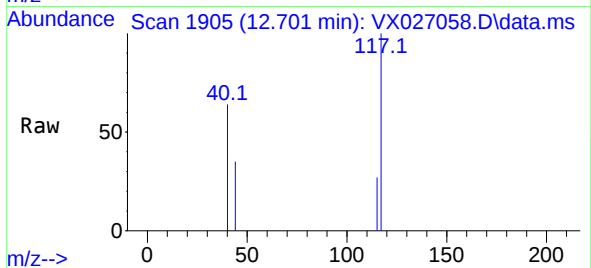




#90
Hexachloroethane
Concen: 0.247 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Instrument :
MSVOA_X
ClientSampleId :
MW-24

Tgt Ion:117 Resp: 188
Ion Ratio Lower Upper
117 100
201 0.0 35.6 106.8#



#95
Naphthalene
Concen: 0.879 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX027058.D
Acq: 16 Feb 2022 18:35

Tgt Ion:128 Resp: 5103
Ion Ratio Lower Upper
128 100
127 11.3 10.3 15.5
129 10.0 8.7 13.1

