

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021022\
 Data File : VX026947.D
 Acq On : 11 Feb 2022 02:45
 Operator : JC/MD
 Sample : N1467-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Quant Time: Feb 11 04:08:38 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)

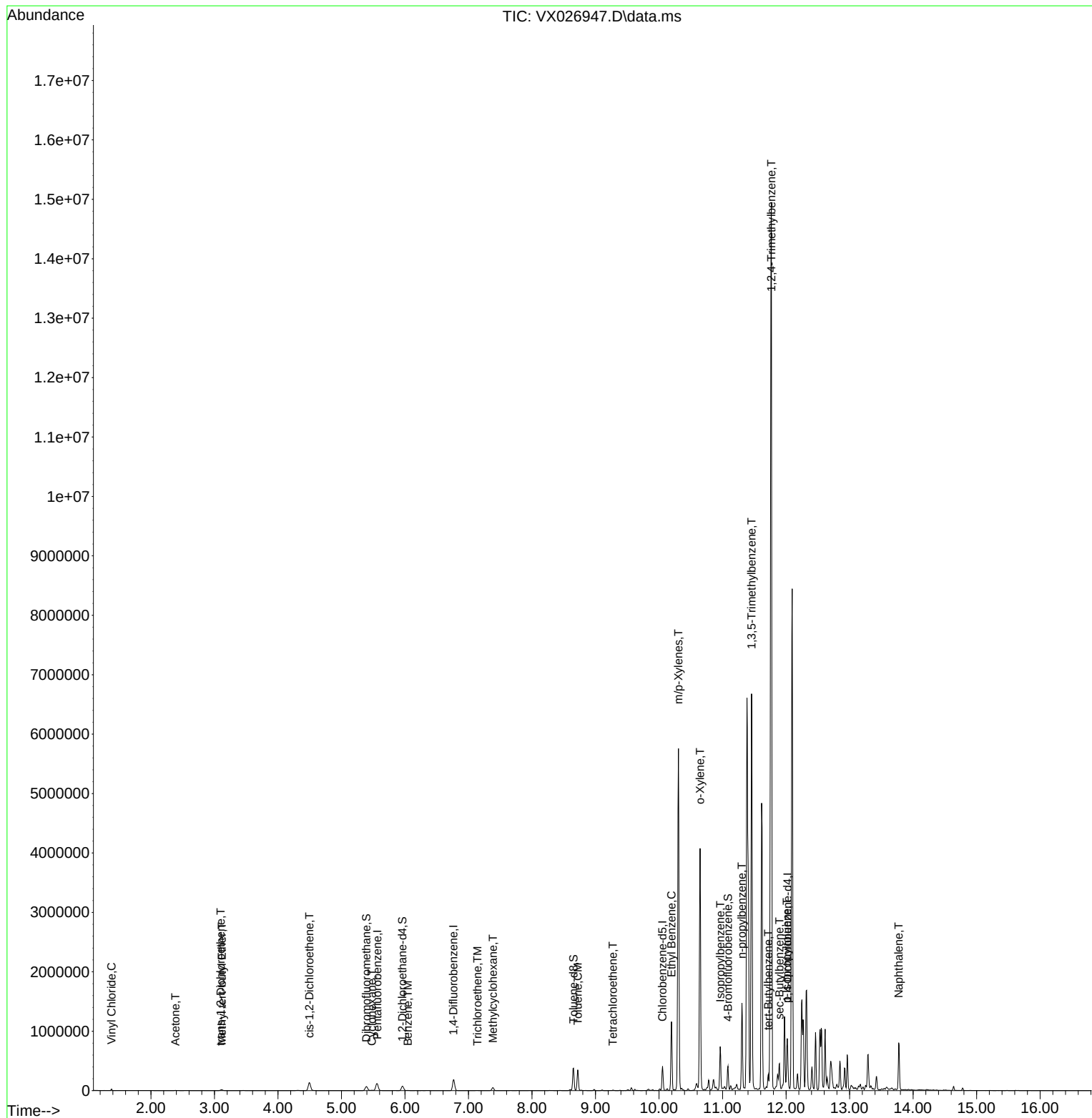
Internal Standards						
1) Pentafluorobenzene	5.562	168	114659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	193063	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74223	53.927	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.860%	
35) Dibromofluoromethane	5.391	113	60235	52.368	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.740%	
50) Toluene-d8	8.653	98	230686	54.637	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.280%	
62) 4-Bromofluorobenzene	11.085	95	86932	58.482	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.960%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.380	62	15742	12.966	ug/l	95
16) Acetone	2.386	43	4425	7.320	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	13381	3.222	ug/l #	85
21) trans-1,2-Dichloroethene	3.099	96	2030	1.644	ug/l	90
27) cis-1,2-Dichloroethene	4.495	96	86230	60.822	ug/l	89
31) Cyclohexane	5.476	56	4809	2.199	ug/l	93
39) Methylcyclohexane	7.385	83	22984	10.328	ug/l	99
40) Benzene	6.043	78	3976	0.752	ug/l #	89
44) Trichloroethene	7.141	130	1140	0.718	ug/l	98
52) Toluene	8.720	92	130442	38.958	ug/l	99
64) Tetrachloroethene	9.275	164	1590	0.860	ug/l	92
67) Ethyl Benzene	10.195	91	638840	94.818	ug/l	100
68) m/p-Xylenes	10.305	106	1322578	510.206	ug/l	96
69) o-Xylene	10.646	106	869295	342.233	ug/l	96
73) Isopropylbenzene	10.963	105	365731	57.280	ug/l	99
78) n-propylbenzene	11.305	91	876929	123.887	ug/l	100
80) 1,3,5-Trimethylbenzene	11.457	105	2830619	538.651	ug/l	97
83) tert-Butylbenzene	11.719	119	56930	11.367	ug/l	93
84) 1,2,4-Trimethylbenzene	11.768	105	6956556	1312.429	ug/l	91
85) sec-Butylbenzene	11.896	105	219216	34.529	ug/l	100
86) p-Isopropyltoluene	12.012	119	267096	49.660	ug/l	99
95) Naphthalene	13.774	128	481569	81.181	ug/l	99

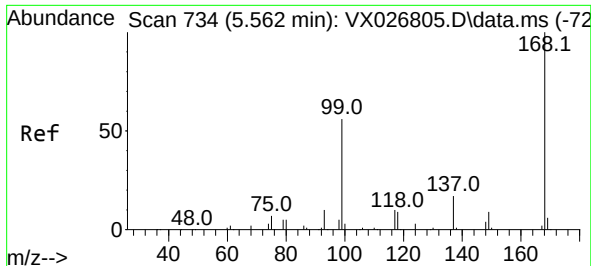
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 08 07:07:46 2022
Response via : Initial Calibration

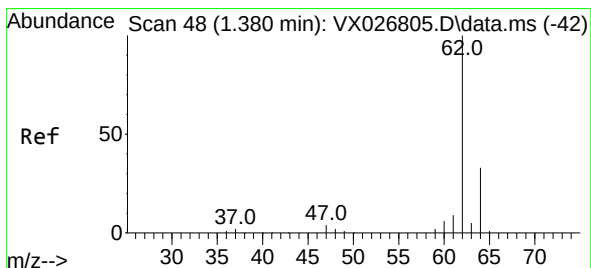
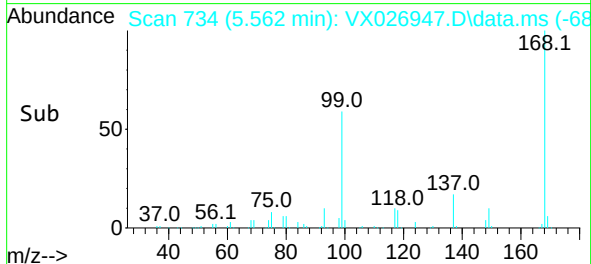
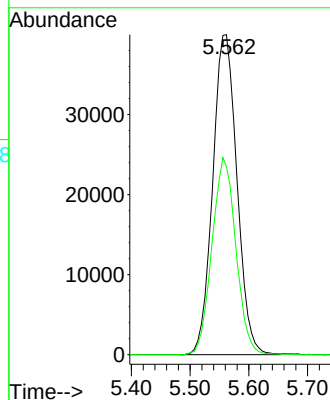
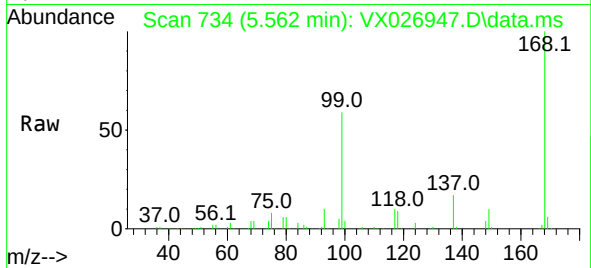




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

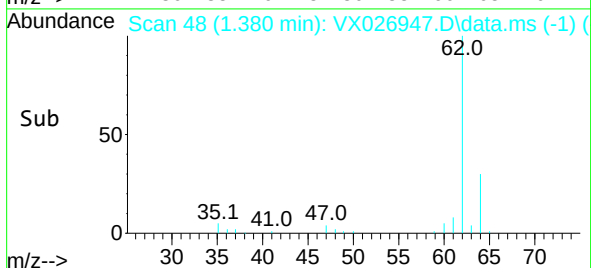
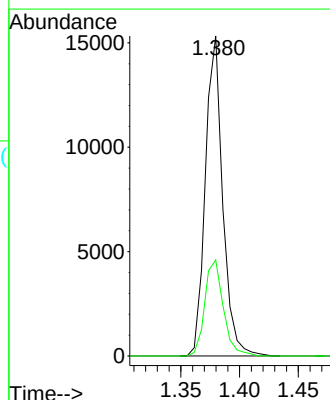
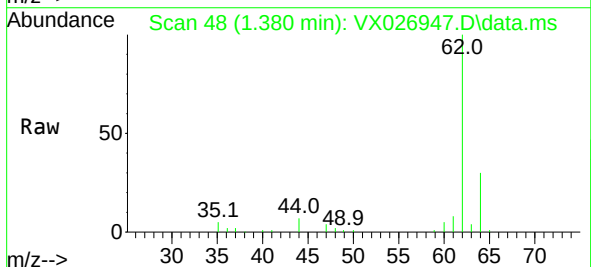
Instrument :
MSVOA_X
ClientSampleId :
MW-8

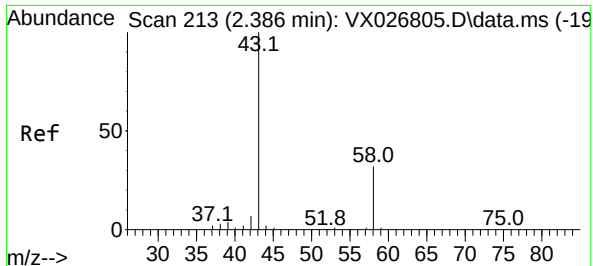
Tgt Ion:168 Resp: 114659
Ion Ratio Lower Upper
168 100
99 58.7 50.3 75.5



#4
Vinyl Chloride
Concen: 12.966 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Tgt Ion: 62 Resp: 15742
Ion Ratio Lower Upper
62 100
64 30.0 26.2 39.2

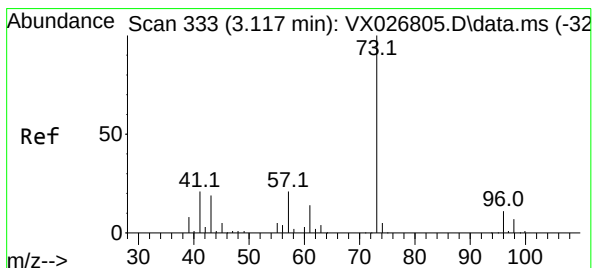
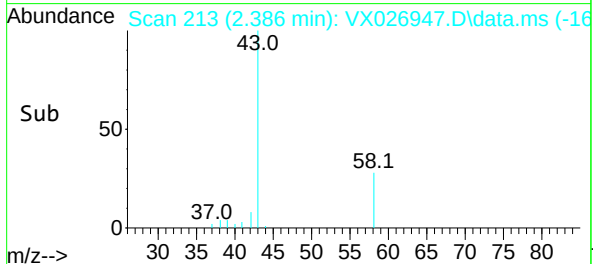
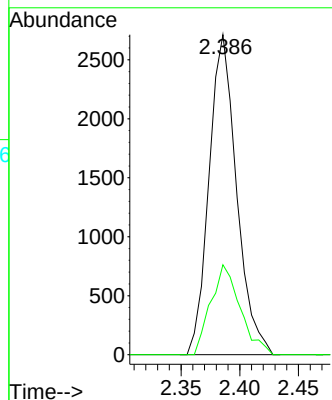
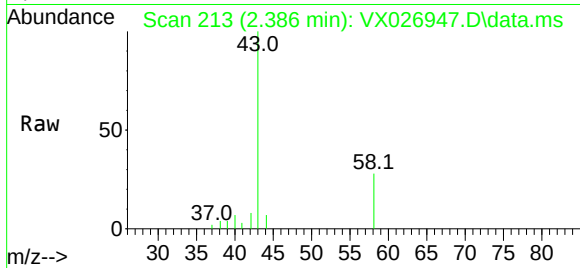




#16
Acetone
Concen: 7.320 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

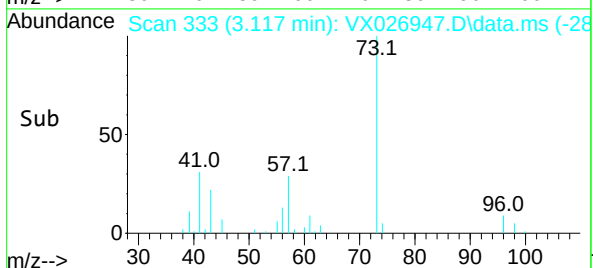
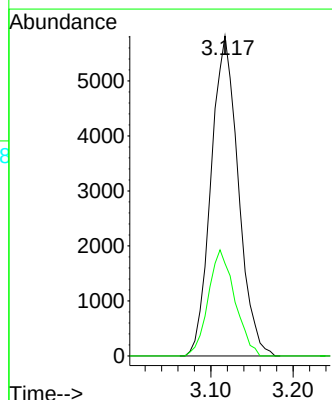
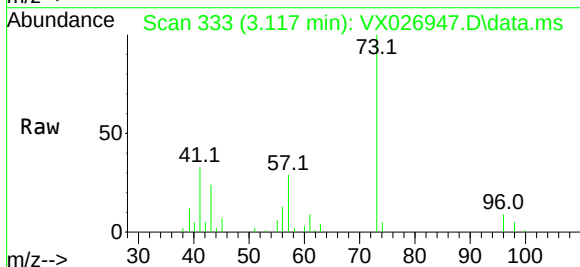
Instrument :
MSVOA_X
ClientSampleId :
MW-8

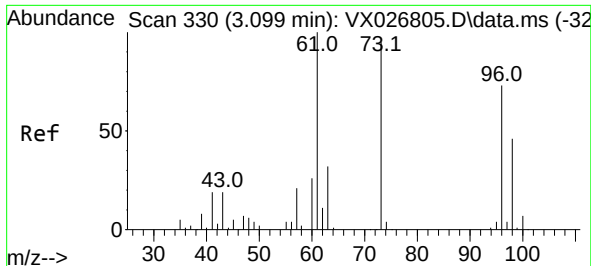
Tgt Ion: 43 Resp: 4425
Ion Ratio Lower Upper
43 100
58 28.1 23.0 34.6



#19
Methyl tert-butyl Ether
Concen: 3.222 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Tgt Ion: 73 Resp: 13381
Ion Ratio Lower Upper
73 100
57 28.9 17.4 26.2#

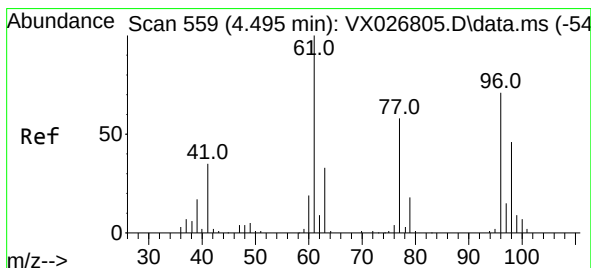
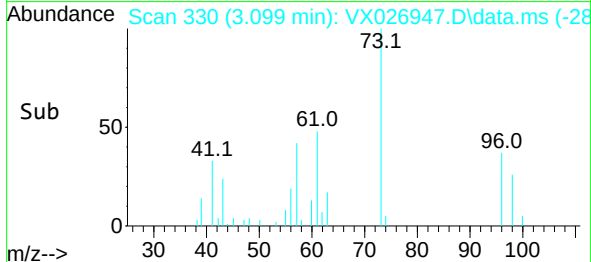
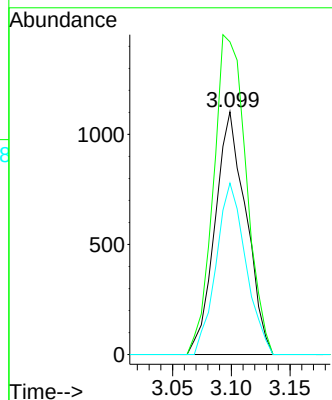
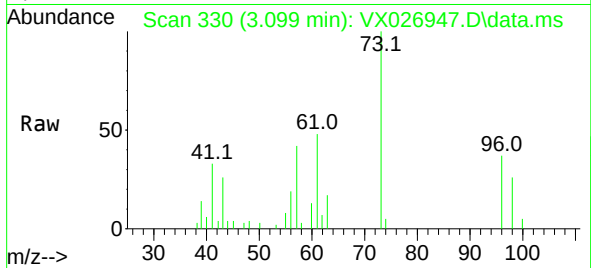




#21
trans-1,2-Dichloroethene
Concen: 1.644 ug/l
RT: 3.099 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

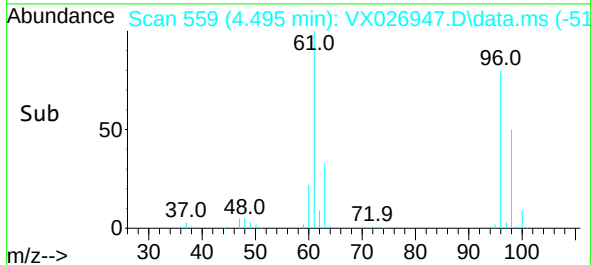
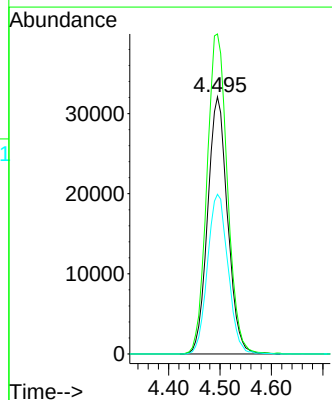
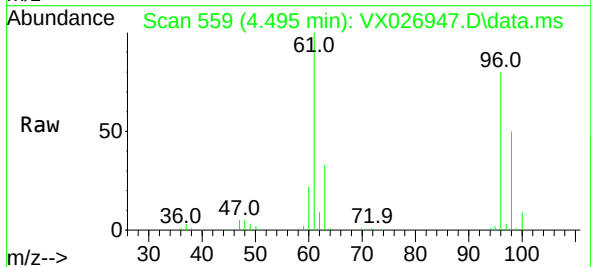
Instrument :
MSVOA_X
ClientSampleId :
MW-8

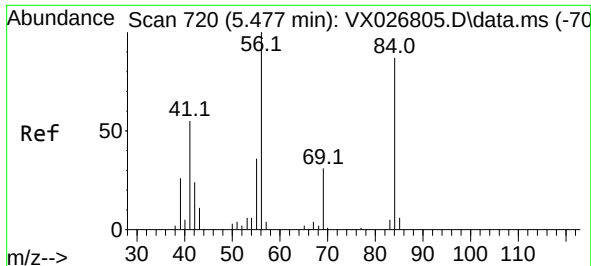
Tgt Ion: 96 Resp: 2030
Ion Ratio Lower Upper
96 100
61 128.7 112.9 169.3
98 70.6 49.5 74.3



#27
cis-1,2-Dichloroethene
Concen: 60.822 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Tgt Ion: 96 Resp: 86230
Ion Ratio Lower Upper
96 100
61 128.2 0.0 296.6
98 64.1 0.0 128.8

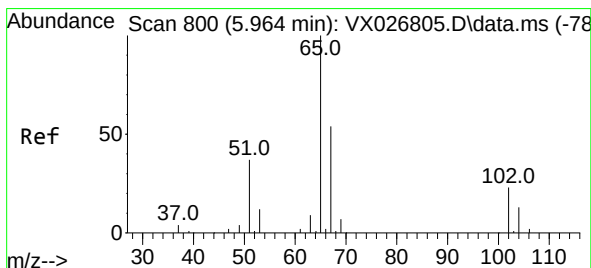
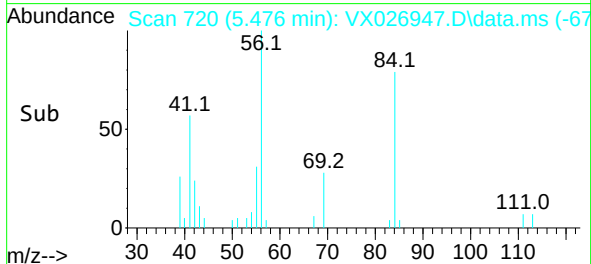
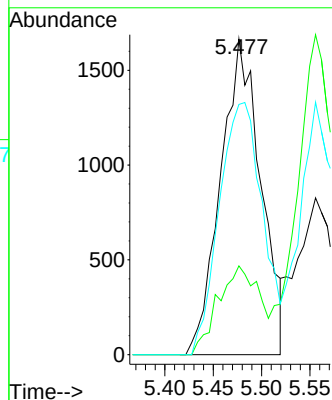
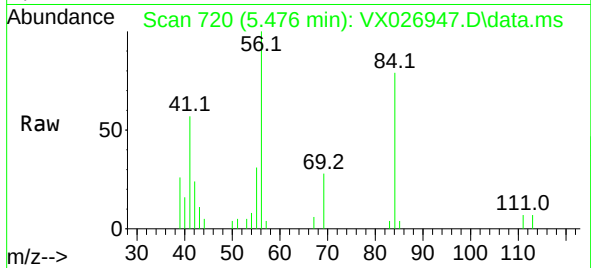




#31
Cyclohexane
Concen: 2.199 ug/l
RT: 5.476 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

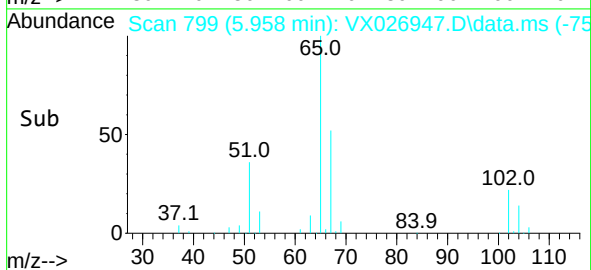
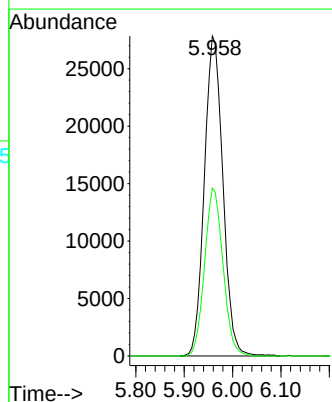
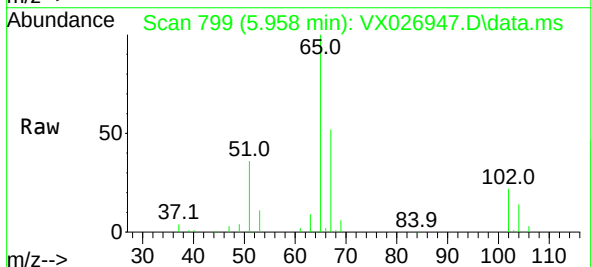
Instrument :
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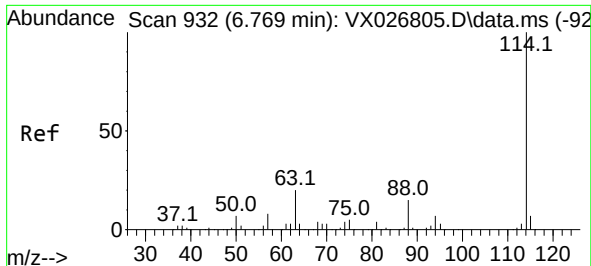
Tgt Ion: 56 Resp: 4809
Ion Ratio Lower Upper
56 100
69 28.1 25.8 38.6
84 79.3 68.9 103.3



#33
1,2-Dichloroethane-d4
Concen: 53.927 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Tgt Ion: 65 Resp: 74223
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.8

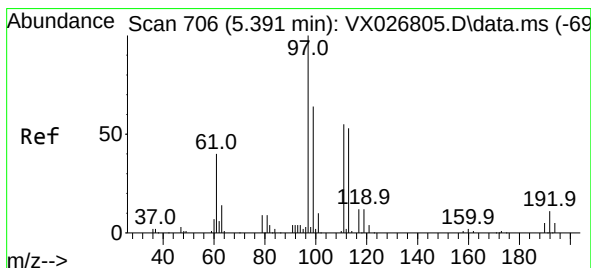
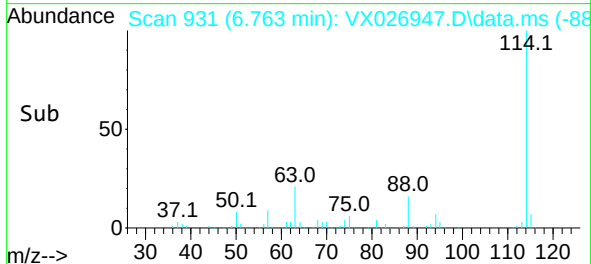
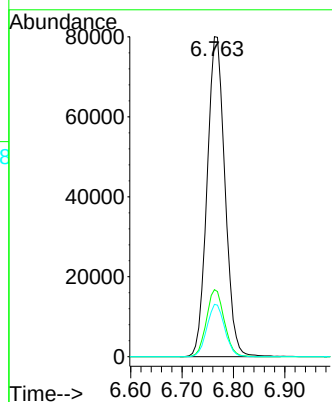
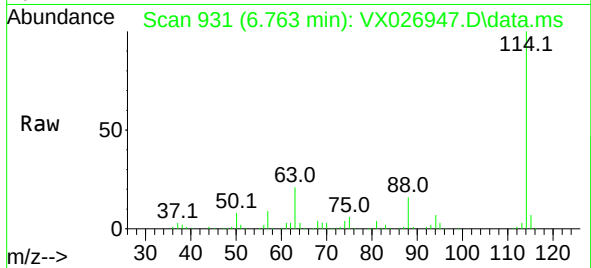




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

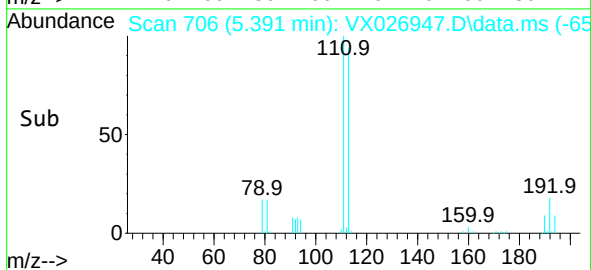
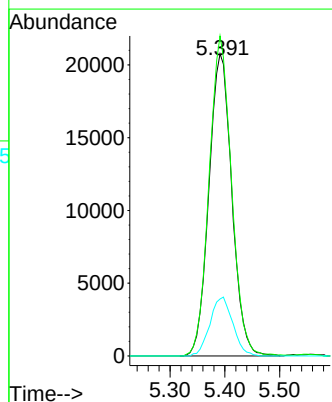
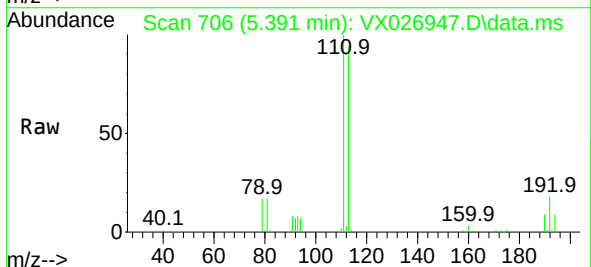
Instrument :
MSVOA_X
ClientSampleId :
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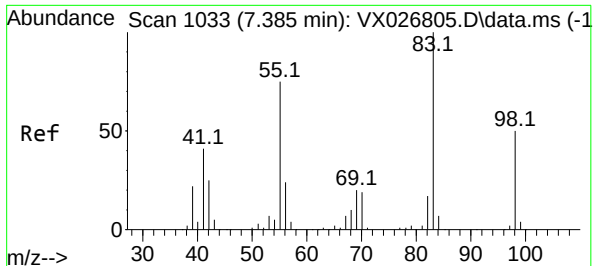
Tgt Ion:114 Resp: 193063
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.8
88 16.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 52.368 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Tgt Ion:113 Resp: 60235
Ion Ratio Lower Upper
113 100
111 103.6 81.2 121.8
192 19.4 15.0 22.4

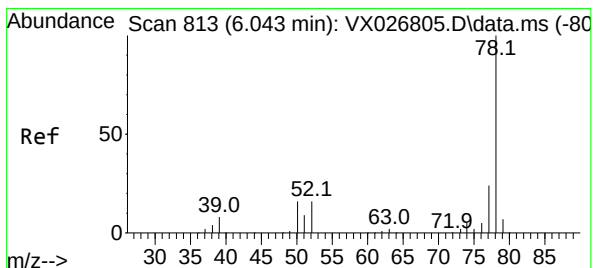
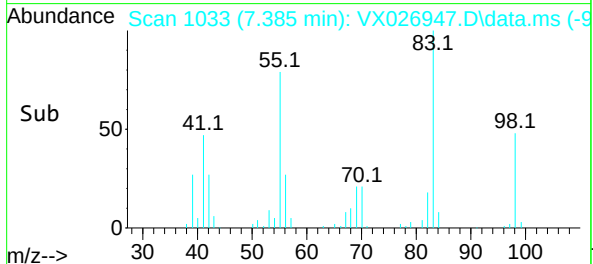
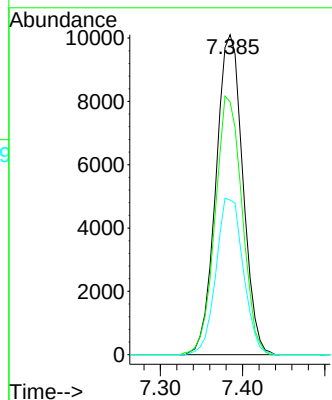
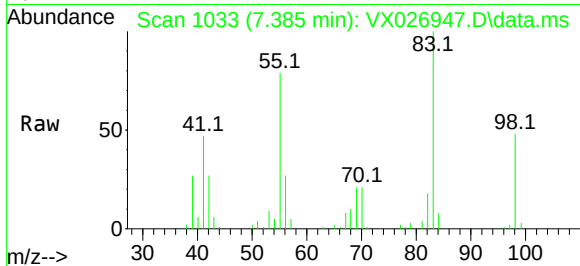




#39
Methylcyclohexane
Concen: 10.328 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

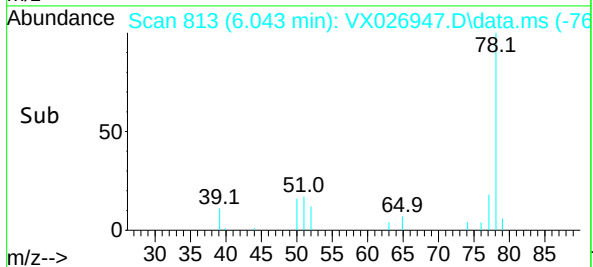
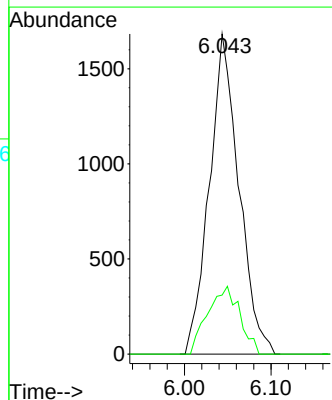
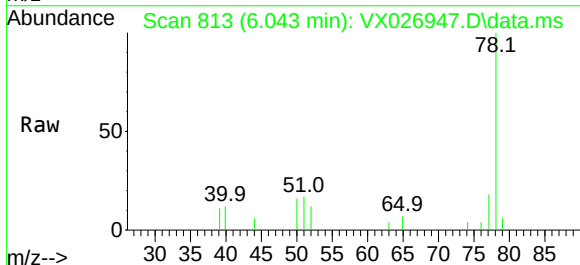
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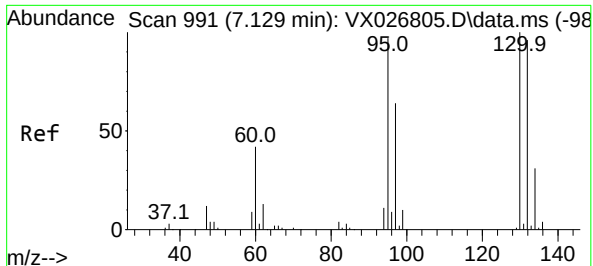
Tgt Ion: 83	Resp: 22984
Ion Ratio	Lower Upper
83 100	
55 79.0	63.6 95.4
98 48.3	38.4 57.6



#40
Benzene
Concen: 0.752 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Tgt Ion: 78	Resp: 3976		
Ion Ratio	Lower	Upper	
78 100			
77 18.4	18.9	28.3#	

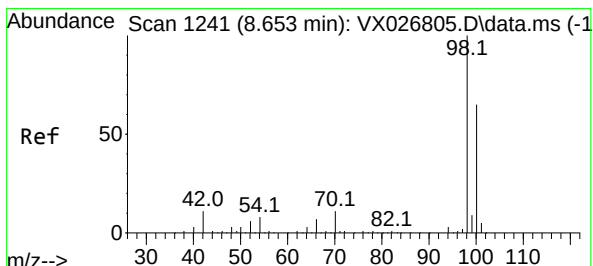
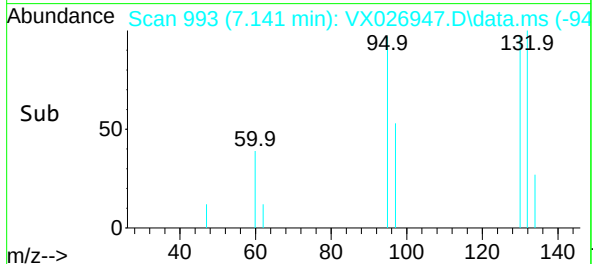
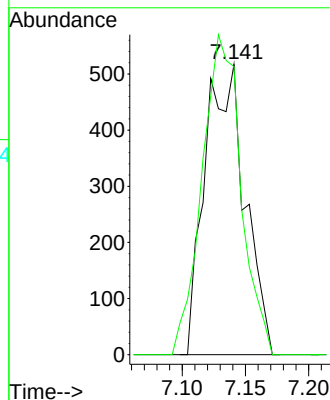
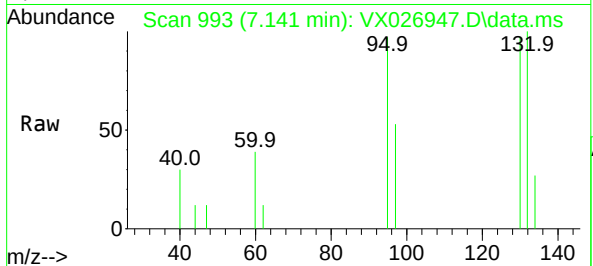




#44
Trichloroethene
Concen: 0.718 ug/l
RT: 7.141 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

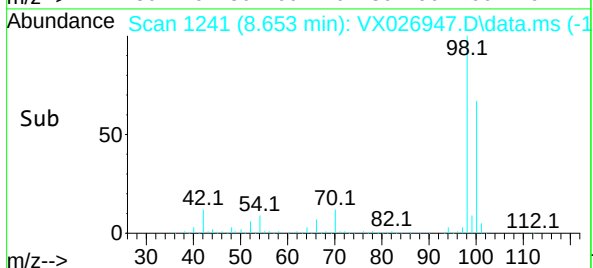
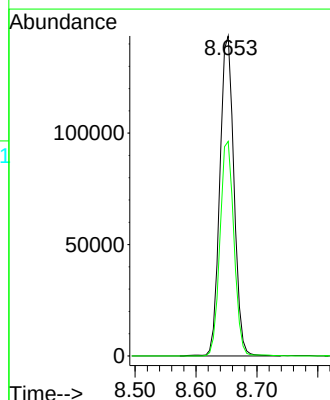
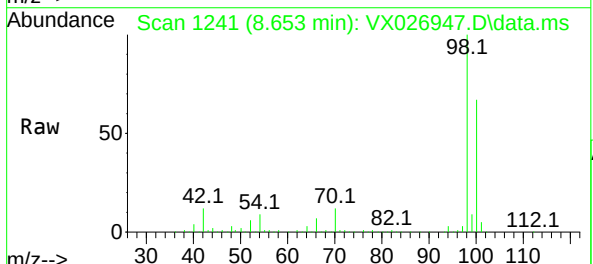
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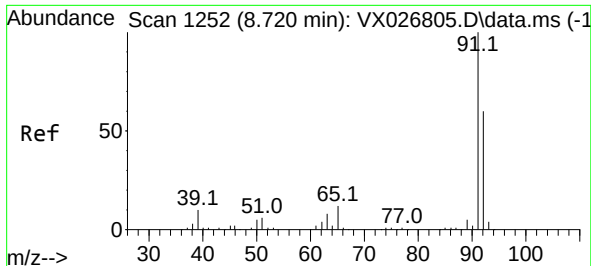
Tgt Ion:130 Resp: 1140
Ion Ratio Lower Upper
130 100
95 99.2 0.0 202.6



#50
Toluene-d8
Concen: 54.637 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Tgt Ion: 98 Resp: 230686
Ion Ratio Lower Upper
98 100
100 66.6 53.2 79.8

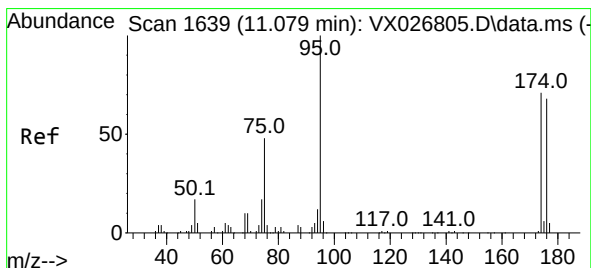
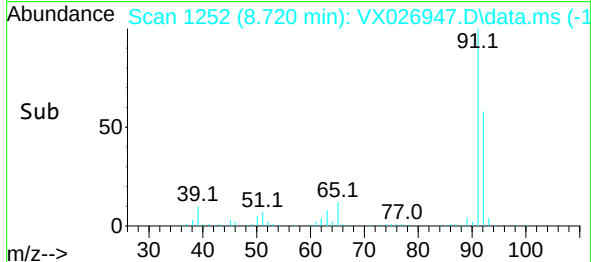
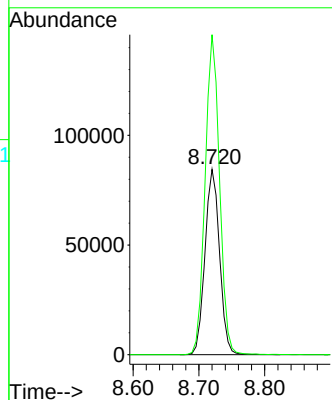
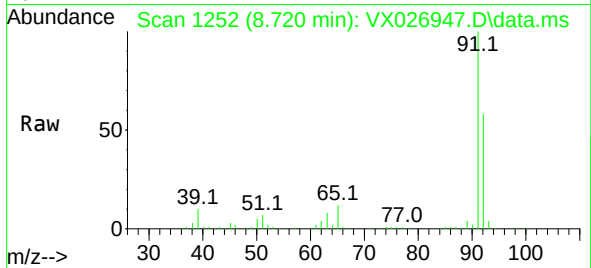




#52
Toluene
Concen: 38.958 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

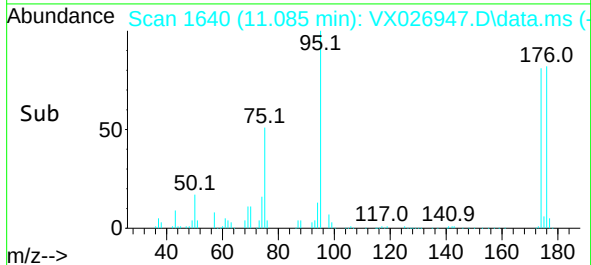
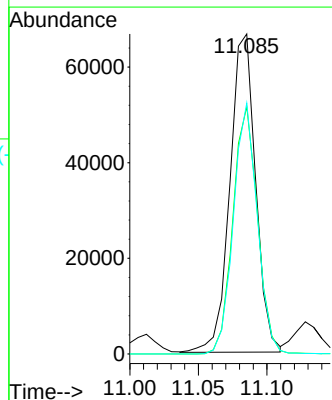
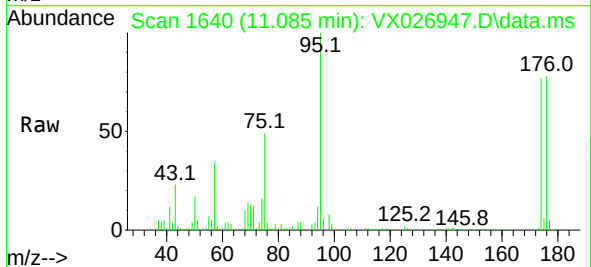
Instrument :
MSVOA_X
ClientSampleId :
MW-8

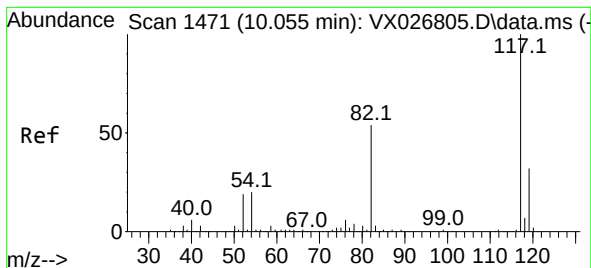
Tgt Ion: 92 Resp: 130442
Ion Ratio Lower Upper
92 100
91 170.5 135.7 203.5



#62
4-Bromofluorobenzene
Concen: 58.482 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Tgt Ion: 95 Resp: 86932
Ion Ratio Lower Upper
95 100
174 74.5 0.0 148.6
176 73.1 0.0 141.4

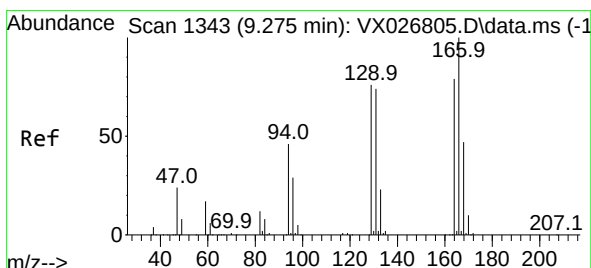
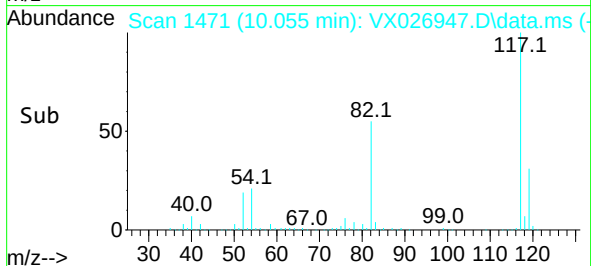
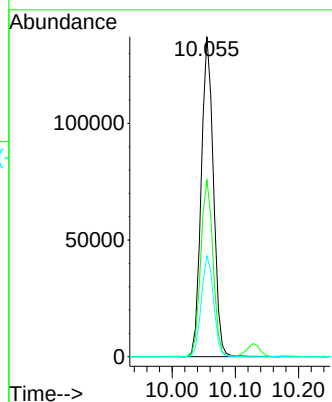
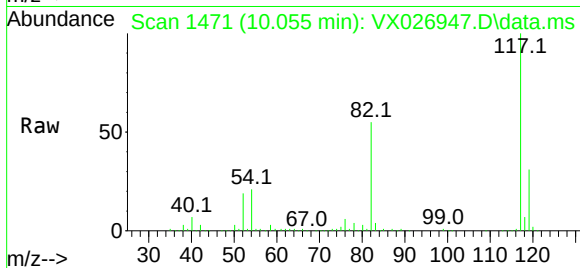




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

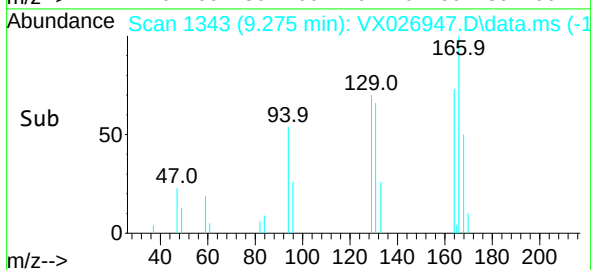
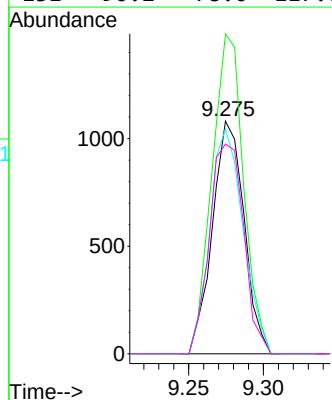
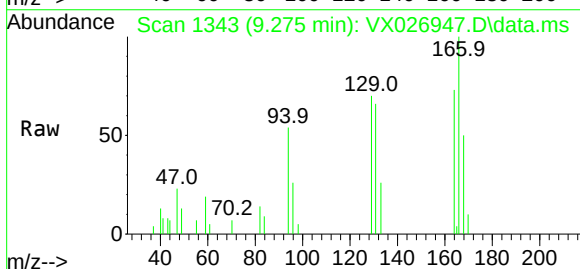
Instrument :
MSVOA_X
ClientSampleId :
MW-8

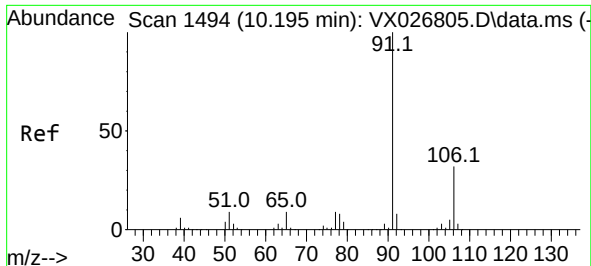
Tgt Ion:117 Resp: 184071
Ion Ratio Lower Upper
117 100
82 55.1 45.2 67.8
119 31.5 26.2 39.2



#64
Tetrachloroethene
Concen: 0.860 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Tgt Ion:164 Resp: 1590
Ion Ratio Lower Upper
164 100
166 137.5 101.8 152.6
129 96.7 83.3 124.9
131 90.2 78.0 117.0





#67

Ethyl Benzene

Concen: 94.818 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX026947.D

Acq: 11 Feb 2022 02:45

Instrument :

MSVOA_X

ClientSampleId :

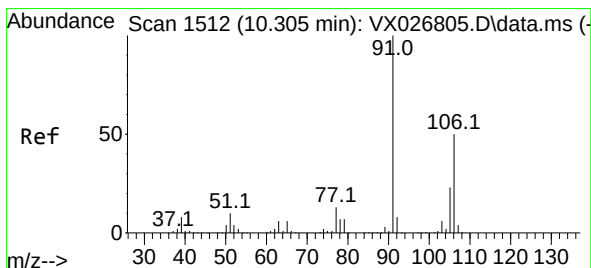
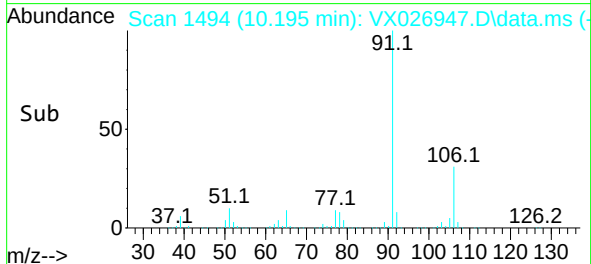
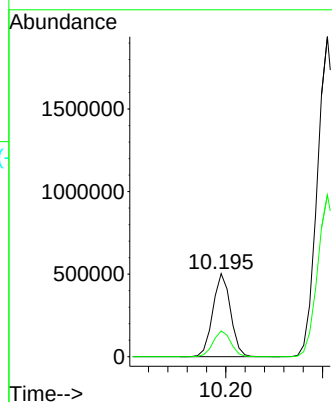
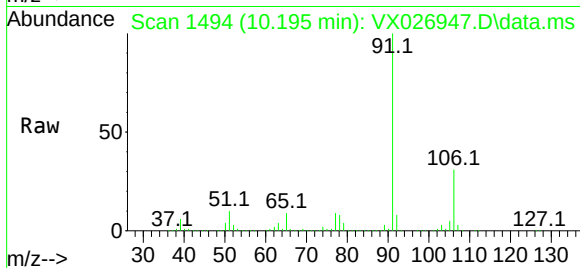
MW-8

Tgt Ion: 91 Resp: 638840

Ion Ratio Lower Upper

91 100

106 31.0 24.7 37.1



#68

m/p-Xylenes

Concen: 510.206 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX026947.D

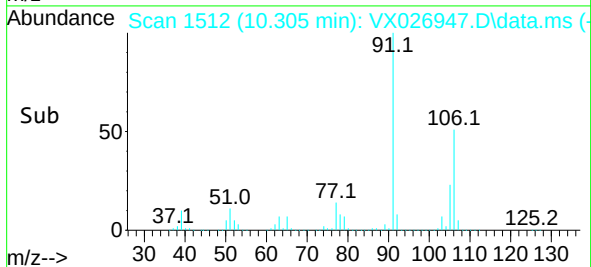
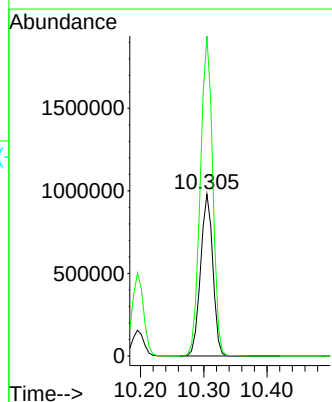
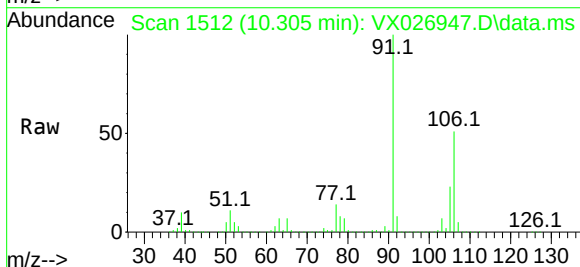
Acq: 11 Feb 2022 02:45

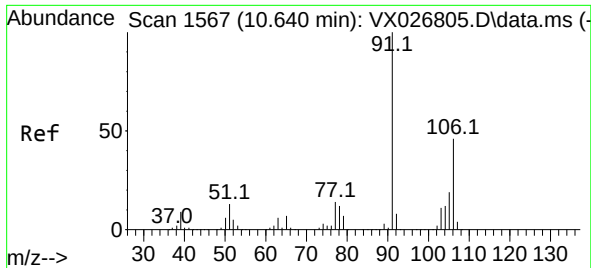
Tgt Ion: 106 Resp: 1322578

Ion Ratio Lower Upper

106 100

91 200.0 165.3 247.9

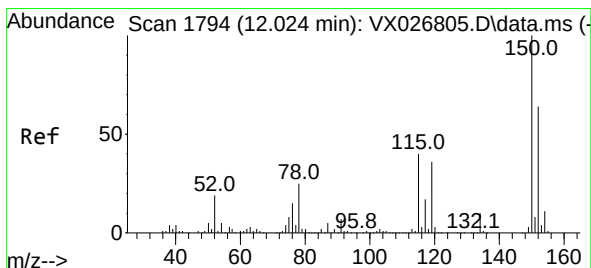
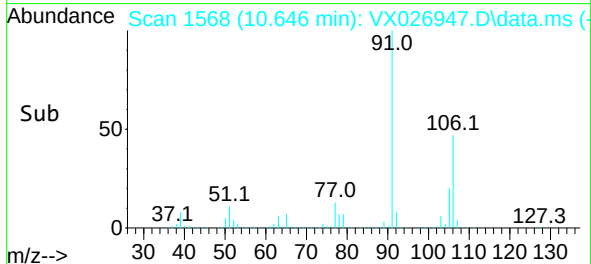
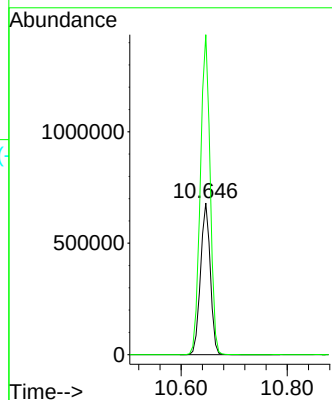
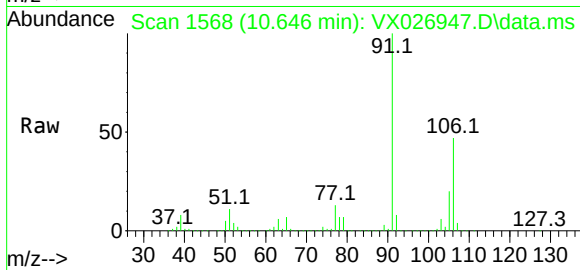




#69
o-Xylene
Concen: 342.233 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

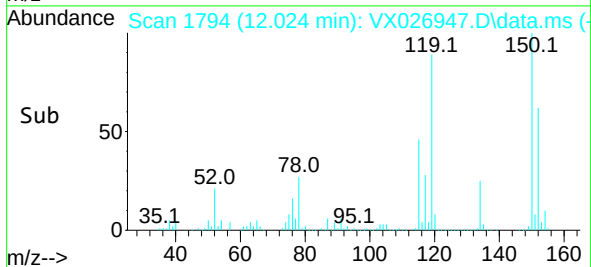
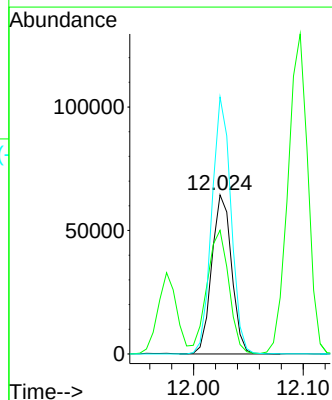
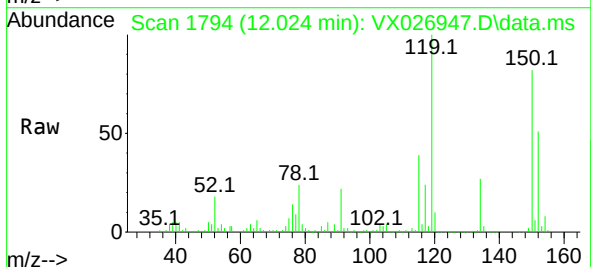
Instrument :
MSVOA_X
ClientSampleId :
MW-8

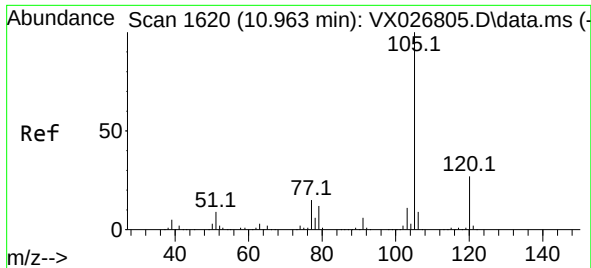
Tgt Ion:106 Resp: 869295
Ion Ratio Lower Upper
106 100
91 212.7 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Tgt Ion:152 Resp: 81061
Ion Ratio Lower Upper
152 100
115 85.6 44.2 132.6
150 156.5 0.0 348.2

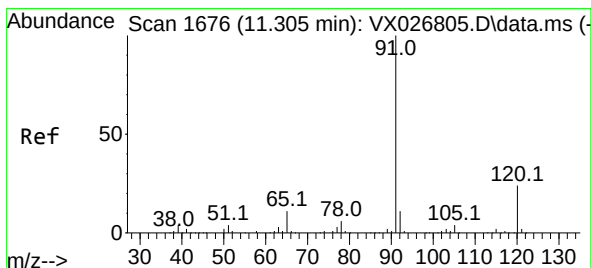
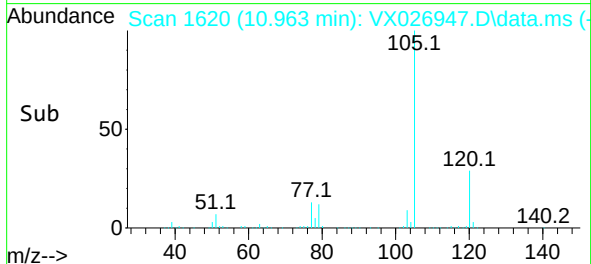
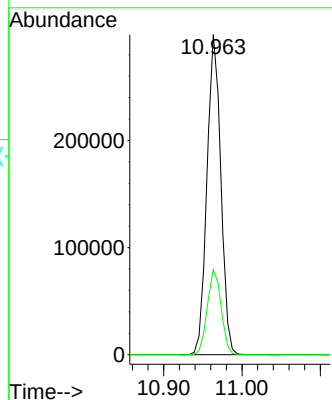
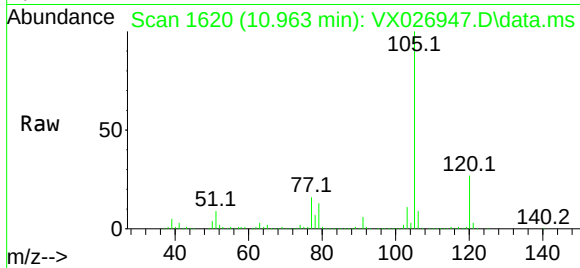




#73
Isopropylbenzene
Concen: 57.280 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

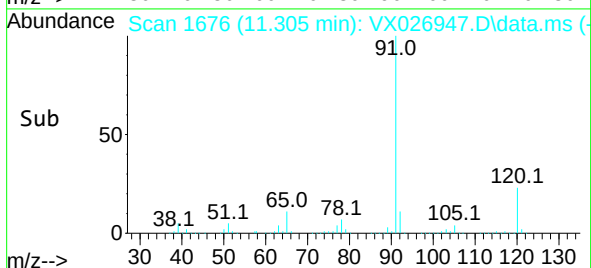
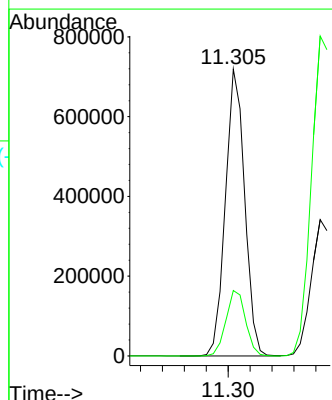
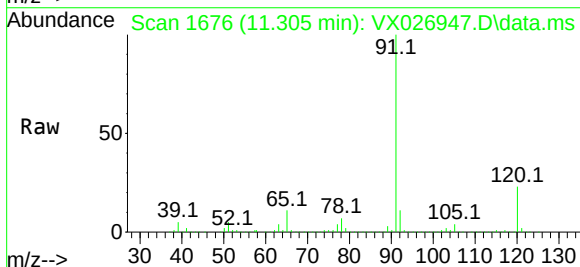
Instrument :
MSVOA_X
ClientSampleId :
MW-8

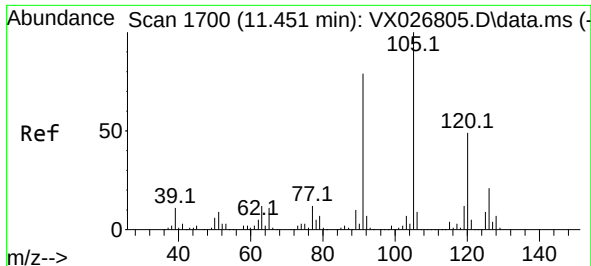
Tgt Ion:105 Resp: 365731
Ion Ratio Lower Upper
105 100
120 26.6 13.1 39.1



#78
n-propylbenzene
Concen: 123.887 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Tgt Ion: 91 Resp: 876929
Ion Ratio Lower Upper
91 100
120 23.3 11.6 34.7

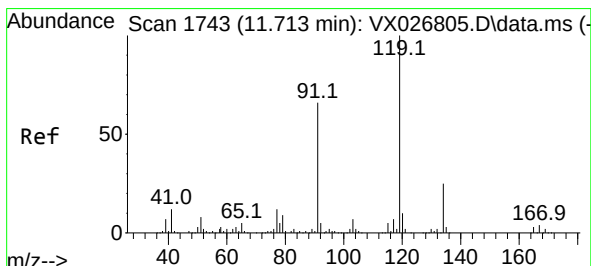
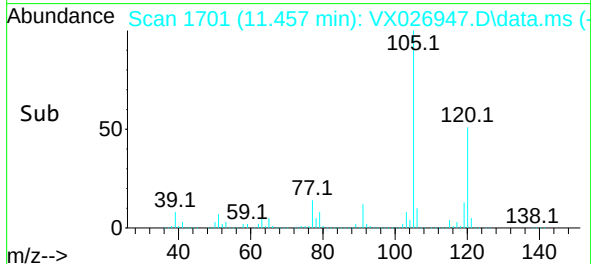
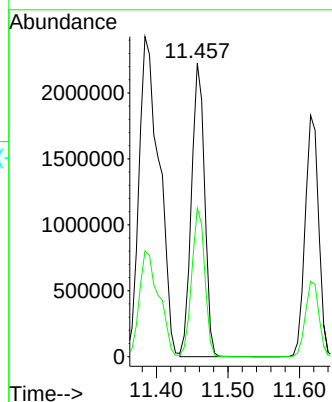
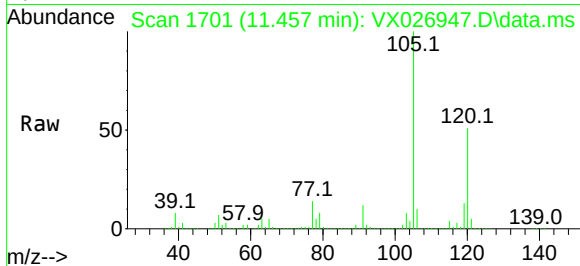




#80
1,3,5-Trimethylbenzene
Concen: 538.651 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

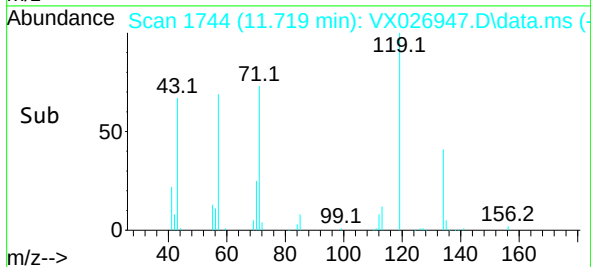
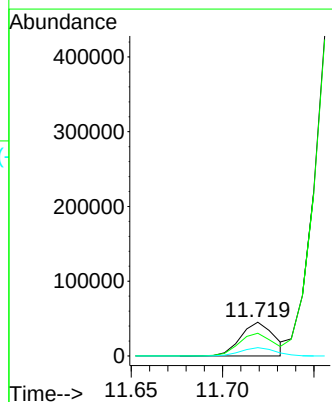
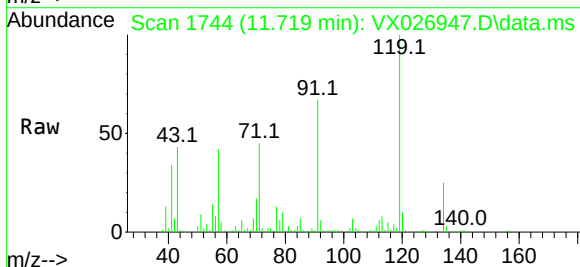
Instrument :
MSVOA_X
ClientSampleId :
MW-8

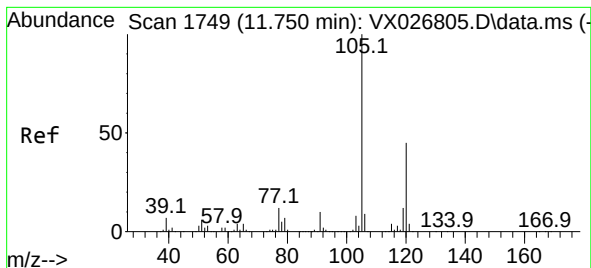
Tgt Ion:105 Resp: 2830619
Ion Ratio Lower Upper
105 100
120 50.2 24.0 72.0



#83
tert-Butylbenzene
Concen: 11.367 ug/l
RT: 11.719 min Scan# 1744
Delta R.T. 0.006 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Tgt Ion:119 Resp: 56930
Ion Ratio Lower Upper
119 100
91 69.2 31.4 94.0
134 25.7 11.8 35.3





#84

1,2,4-Trimethylbenzene

Concen: 1312.429 ug/l

RT: 11.768 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX026947.D

Acq: 11 Feb 2022 02:45

Instrument :

MSVOA_X

ClientSampleId :

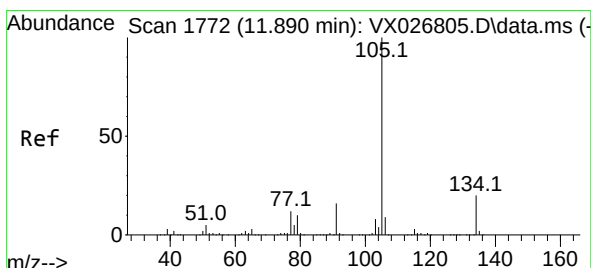
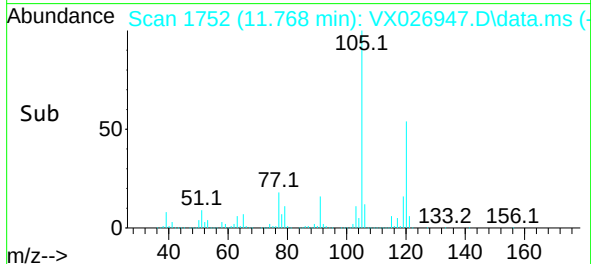
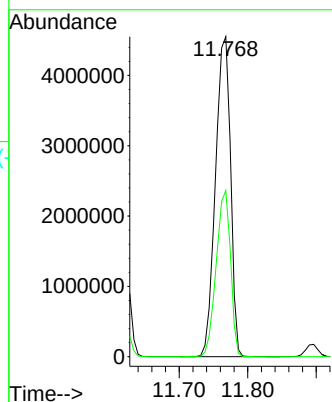
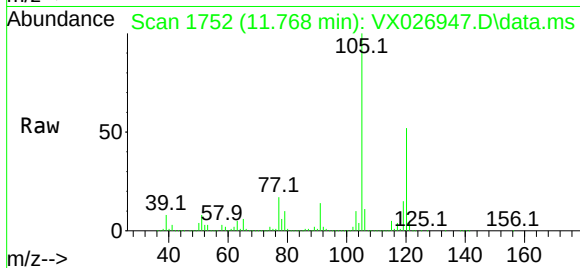
MW-8

Tgt Ion:105 Resp: 6956556

Ion Ratio Lower Upper

105 100

120 49.4 21.9 65.5



#85

sec-Butylbenzene

Concen: 34.529 ug/l

RT: 11.896 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VX026947.D

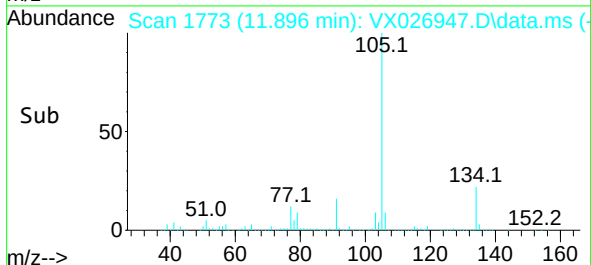
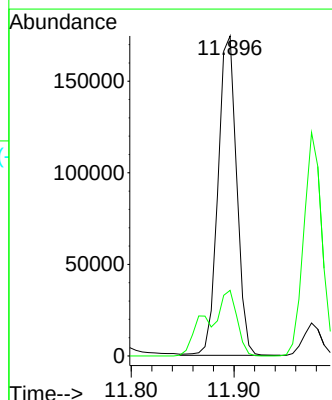
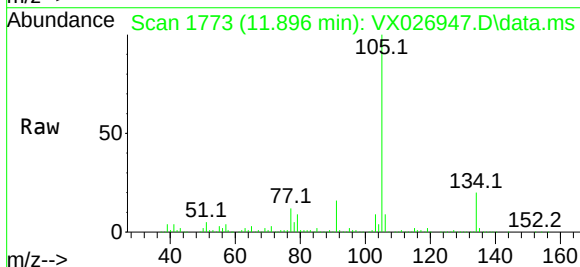
Acq: 11 Feb 2022 02:45

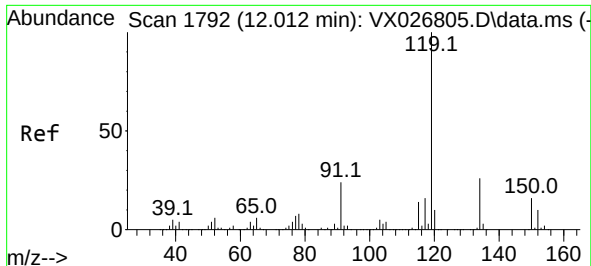
Tgt Ion:105 Resp: 219216

Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1

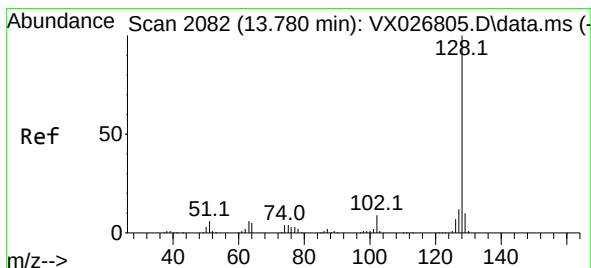
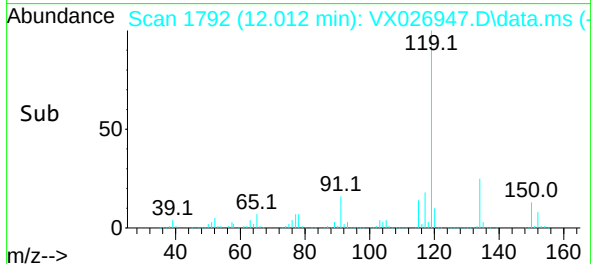
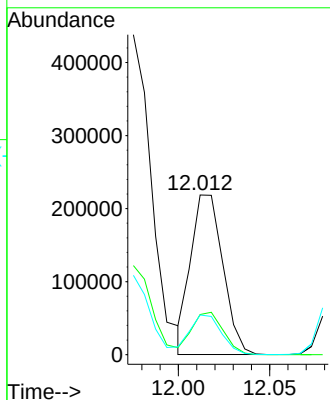
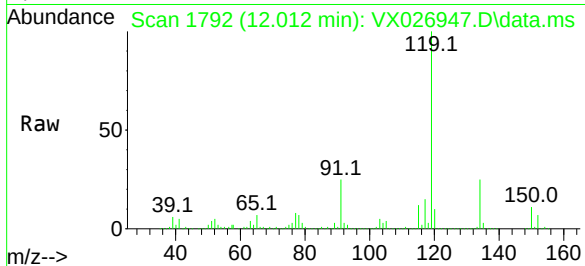




#86
p-Isopropyltoluene
Concen: 49.660 ug/l
RT: 12.012 min Scan# 119
Delta R.T. 0.000 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Instrument :
MSVOA_X
ClientSampleId :
MW-8

Tgt Ion:119 Resp: 267096
Ion Ratio Lower Upper
119 100
134 26.2 13.0 39.0
91 25.5 12.6 37.6



#95
Naphthalene
Concen: 81.181 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX026947.D
Acq: 11 Feb 2022 02:45

Tgt Ion:128 Resp: 481569
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.2 8.7 13.1

