

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062022\
 Data File : VX029640.D
 Acq On : 21 Jun 2022 04:59
 Operator : JC/MD
 Sample : N3354-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-48

Quant Time: Jun 21 08:47:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

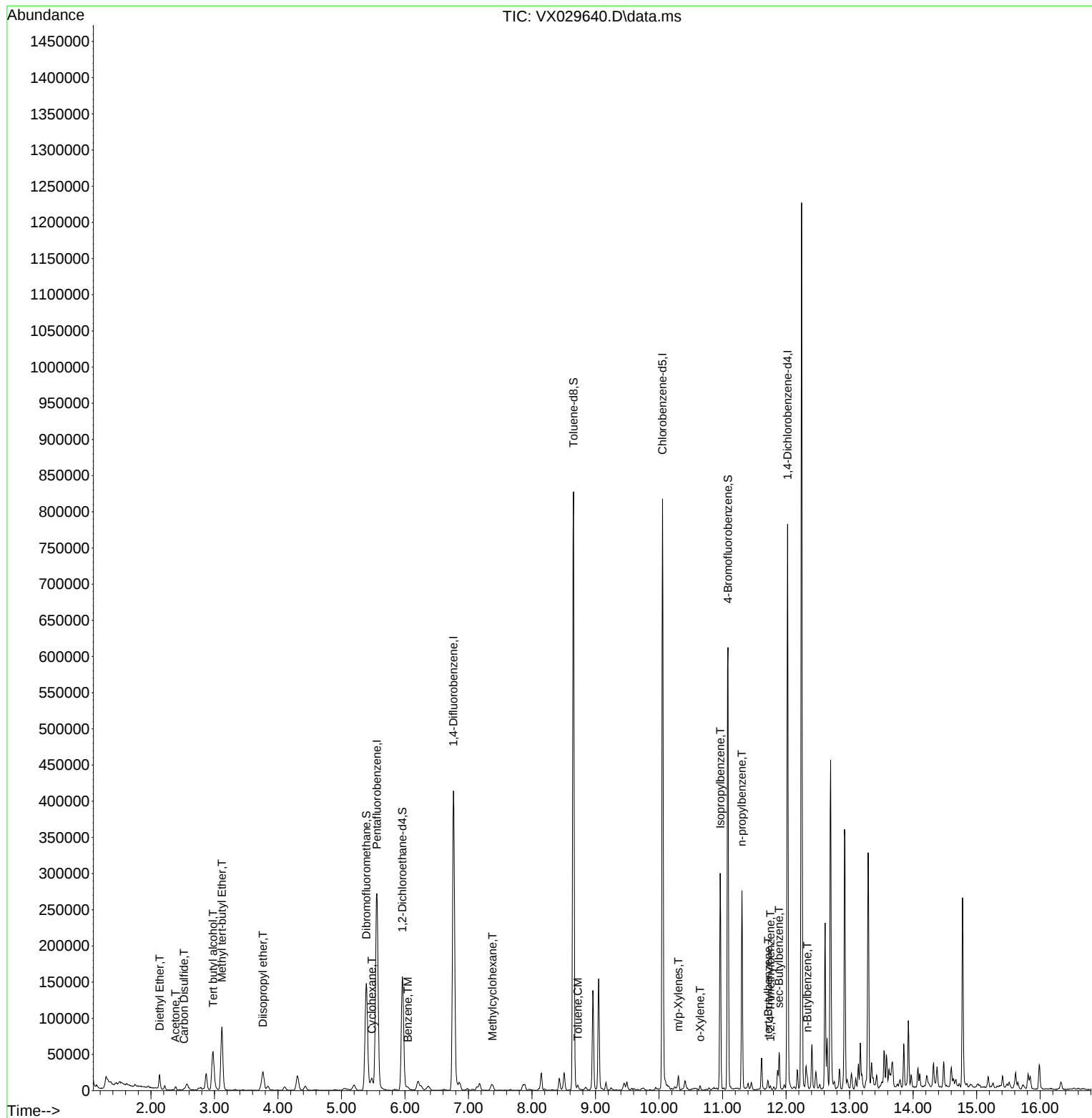
Internal Standards						
1) Pentafluorobenzene	5.556	168	264389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	440882	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	381167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	163684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151140	43.185	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.380%
35) Dibromofluoromethane	5.391	113	132160	45.998	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.000%
50) Toluene-d8	8.653	98	505063	48.119	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.240%
62) 4-Bromofluorobenzene	11.085	95	179502	45.349	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.700%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	6579	3.774	ug/l	88
11) Tert butyl alcohol	2.977	59	81927	101.940	ug/l	100
16) Acetone	2.386	43	5608	4.020	ug/l	91
17) Carbon Disulfide	2.520	76	4070	0.586	ug/l #	93
19) Methyl tert-butyl Ether	3.117	73	98570	10.600	ug/l	97
22) Diisopropyl ether	3.763	45	26651	3.115	ug/l #	88
31) Cyclohexane	5.477	56	11222	2.388	ug/l	91
39) Methylcyclohexane	7.379	83	2888	0.596	ug/l #	83
40) Benzene	6.044	78	5235	0.454	ug/l #	89
52) Toluene	8.720	92	2424	0.328	ug/l	91
68) m/p-Xylenes	10.305	106	4771	0.909	ug/l	98
69) o-Xylene	10.646	106	1240	0.239	ug/l	92
73) Isopropylbenzene	10.963	105	155579	12.677	ug/l	98
78) n-propylbenzene	11.305	91	166820	12.069	ug/l	100
83) tert-Butylbenzene	11.719	119	2686	0.267	ug/l	74
84) 1,2,4-Trimethylbenzene	11.756	105	2615	0.254	ug/l	87
85) sec-Butylbenzene	11.890	105	27004	2.162	ug/l #	77
89) n-Butylbenzene	12.335	91	8628	0.978	ug/l #	66

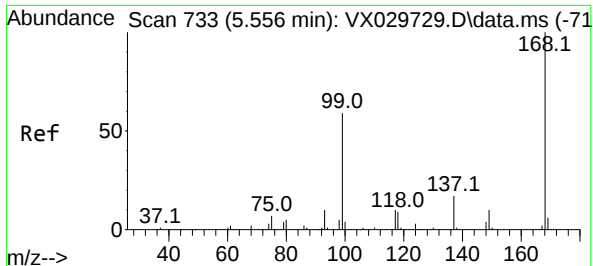
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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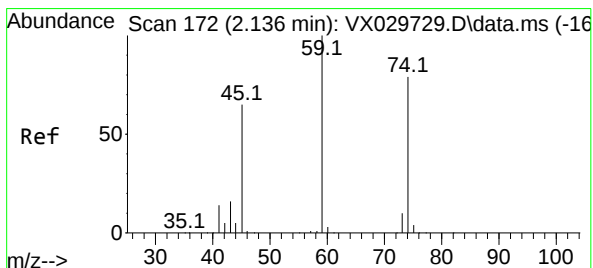
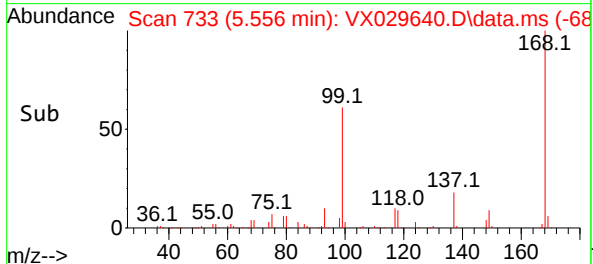
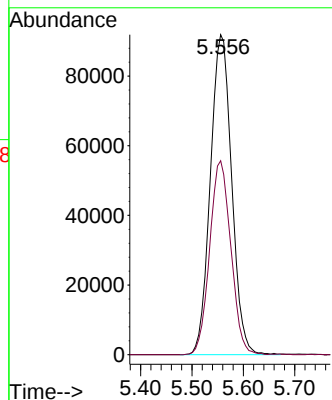
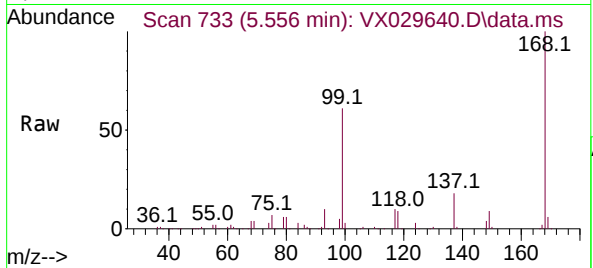




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

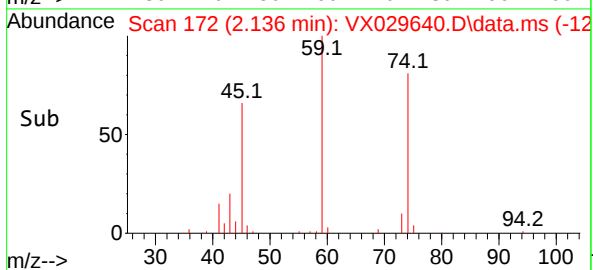
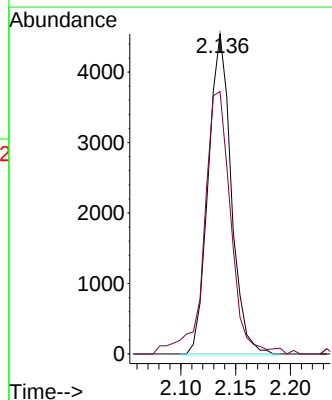
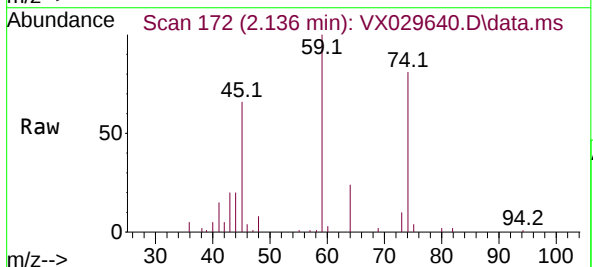
Instrument :
MSVOA_X
ClientSampleId :
MW-48

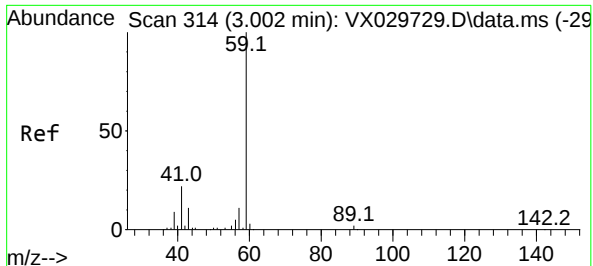
Tgt Ion:168 Resp: 264389
Ion Ratio Lower Upper
168 100
99 60.6 41.7 62.5



#8
Diethyl Ether
Concen: 3.774 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

Tgt Ion: 74 Resp: 6579
Ion Ratio Lower Upper
74 100
45 95.2 42.0 126.0





#11

Tert butyl alcohol

Concen: 101.940 ug/l

RT: 2.977 min Scan# 314

Delta R.T. -0.006 min

Lab File: VX029640.D

Acq: 21 Jun 2022 04:59

Instrument :

MSVOA_X

ClientSampleId :

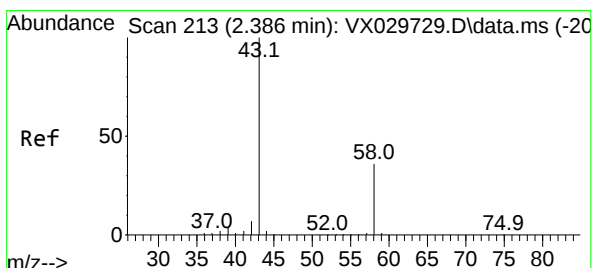
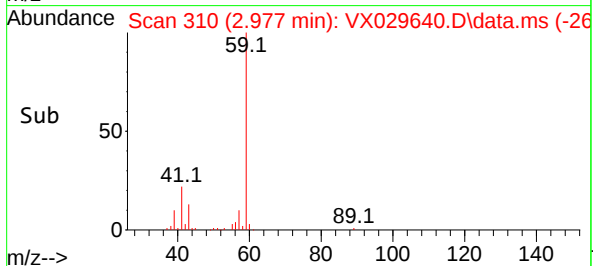
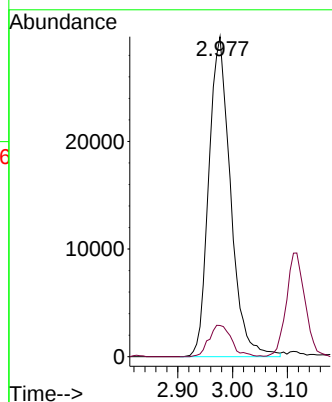
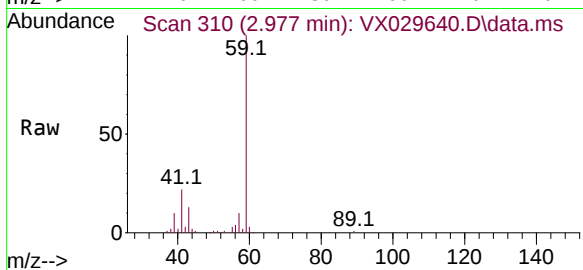
MW-48

Tgt Ion: 59 Resp: 81927

Ion Ratio Lower Upper

59 100

57 10.3 8.3 12.5



#16

Acetone

Concen: 4.020 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX029640.D

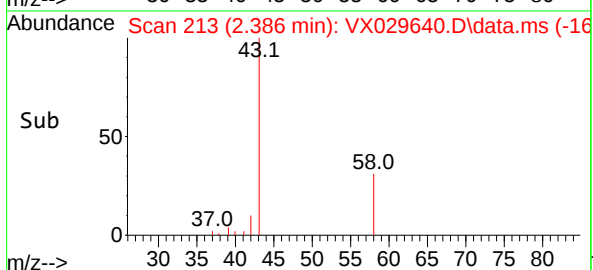
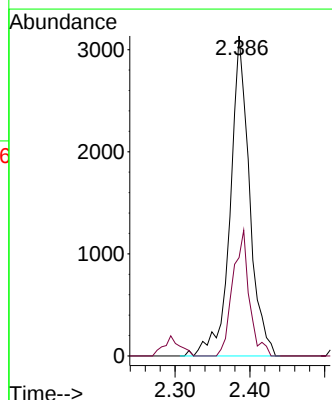
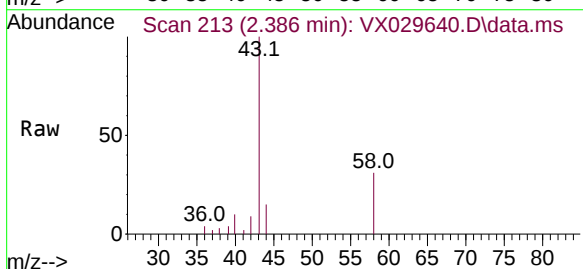
Acq: 21 Jun 2022 04:59

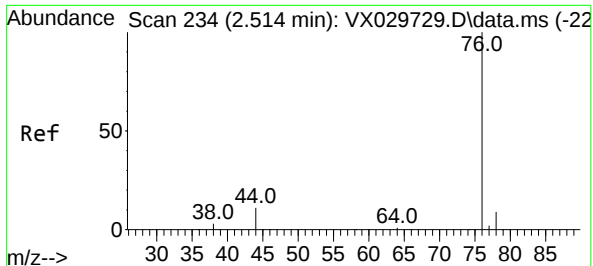
Tgt Ion: 43 Resp: 5608

Ion Ratio Lower Upper

43 100

58 30.8 28.8 43.2





#17

Carbon Disulfide

Concen: 0.586 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX029640.D

Acq: 21 Jun 2022 04:59

Instrument :

MSVOA_X

ClientSampleId :

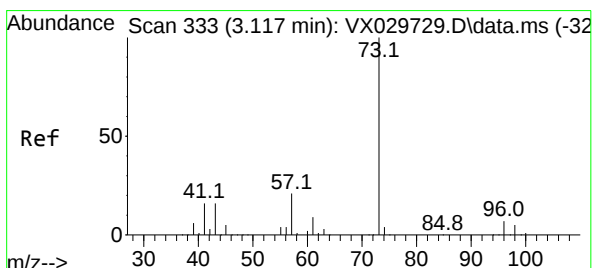
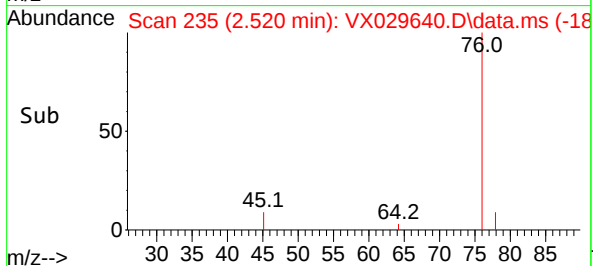
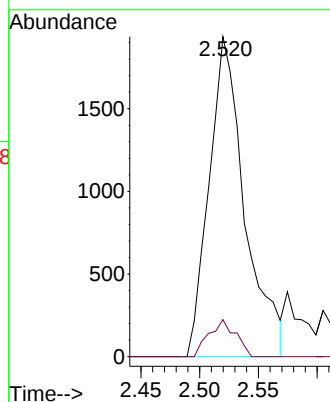
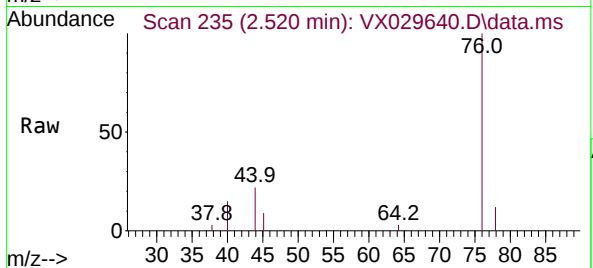
MW-48

Tgt Ion: 76 Resp: 4070

Ion Ratio Lower Upper

76 100

78 11.6 7.2 10.8#



#19

Methyl tert-butyl Ether

Concen: 10.600 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX029640.D

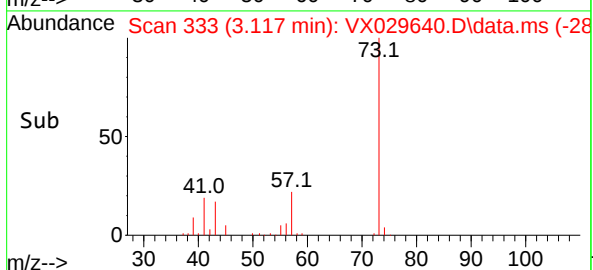
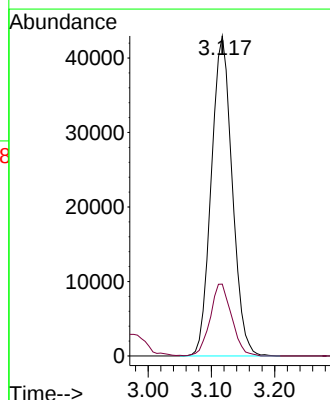
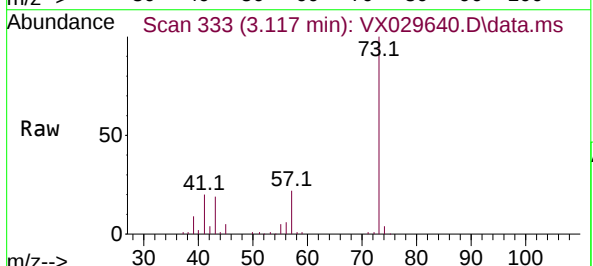
Acq: 21 Jun 2022 04:59

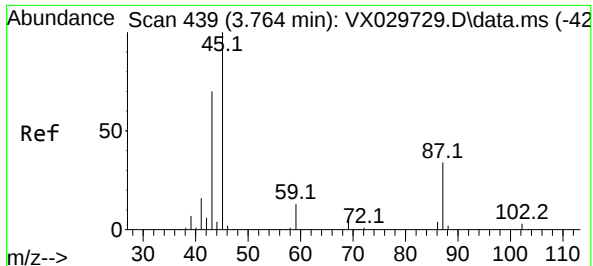
Tgt Ion: 73 Resp: 98570

Ion Ratio Lower Upper

73 100

57 22.4 16.8 25.2

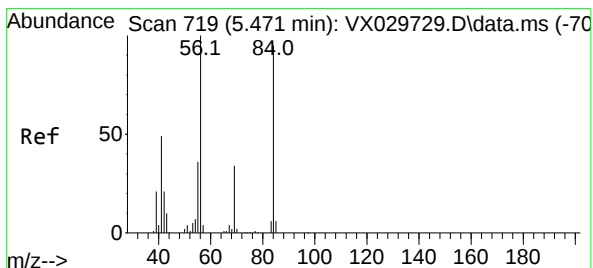
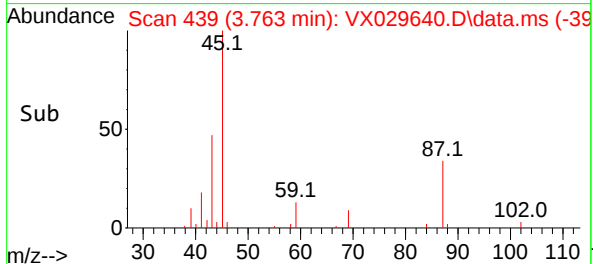
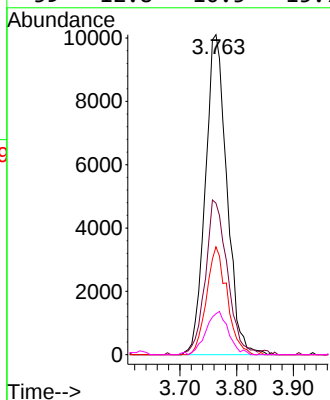
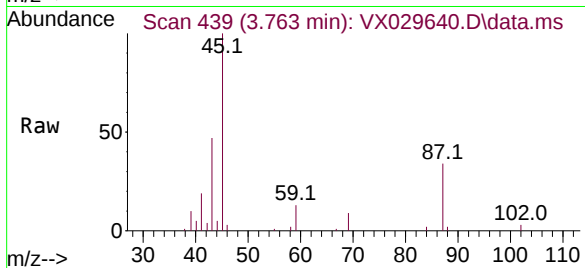




#22
Diisopropyl ether
Concen: 3.115 ug/l
RT: 3.763 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

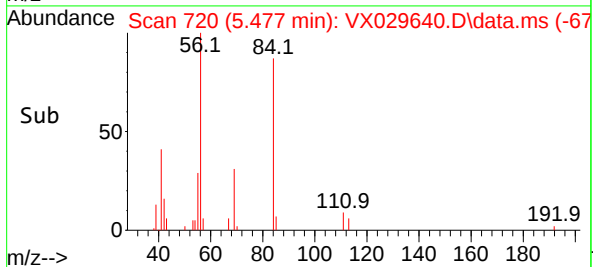
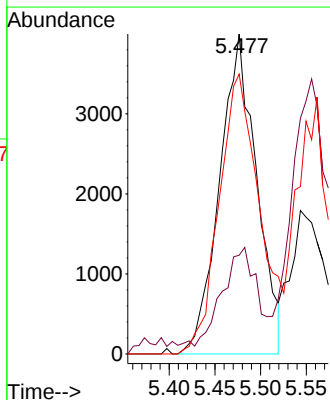
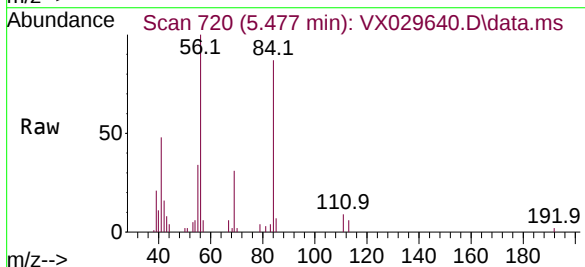
Instrument :
MSVOA_X
ClientSampleId :
MW-48

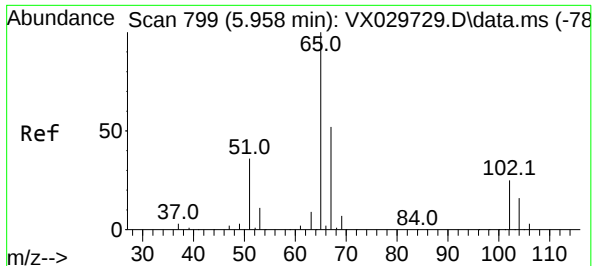
Tgt Ion: 45	Resp: 26651
Ion Ratio	Lower Upper
45	100
43	47.4 50.8 76.2#
87	33.7 26.6 39.8
59	12.8 10.5 15.7



#31
Cyclohexane
Concen: 2.388 ug/l
RT: 5.477 min Scan# 720
Delta R.T. -0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

Tgt Ion: 56	Resp: 11222
Ion Ratio	Lower Upper
56	100
69	28.2 26.7 40.1
84	87.5 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 43.185 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029640.D

Acq: 21 Jun 2022 04:59

Instrument :

MSVOA_X

ClientSampleId :

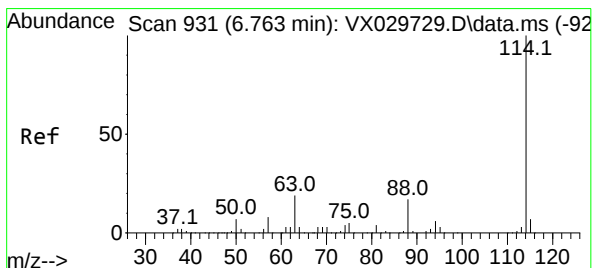
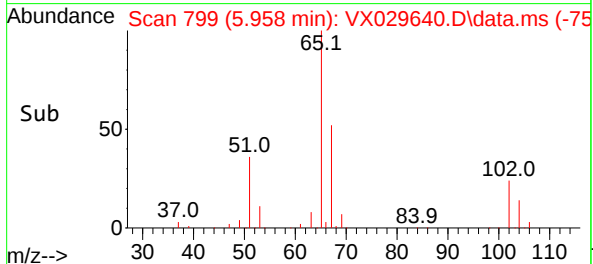
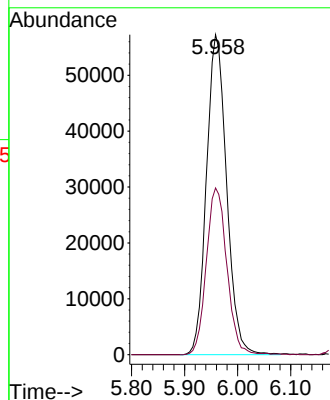
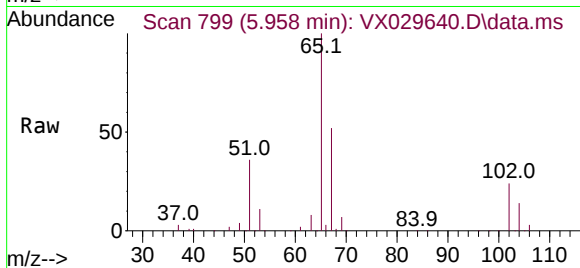
MW-48

Tgt Ion: 65 Resp: 151140

Ion Ratio Lower Upper

65 100

67 53.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX029640.D

Acq: 21 Jun 2022 04:59

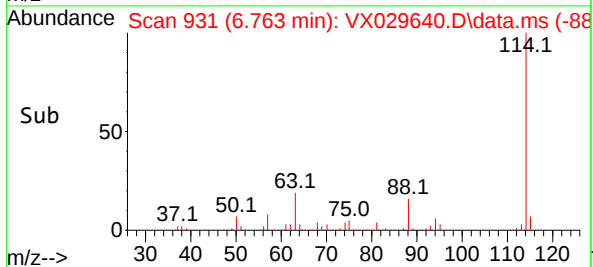
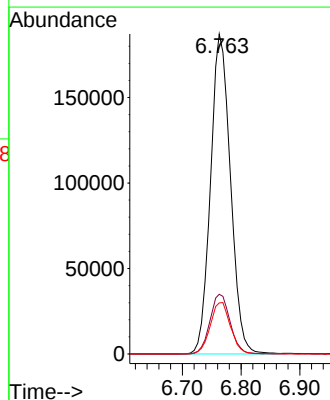
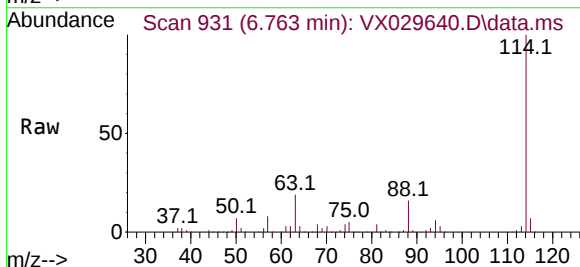
Tgt Ion: 114 Resp: 440882

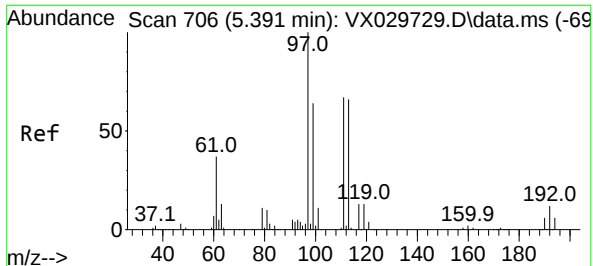
Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.8

88 15.9 0.0 32.4

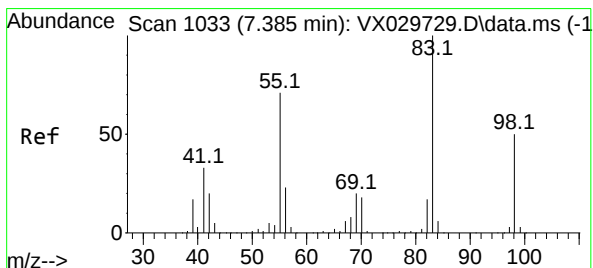
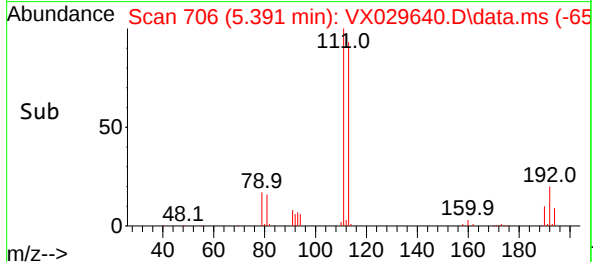
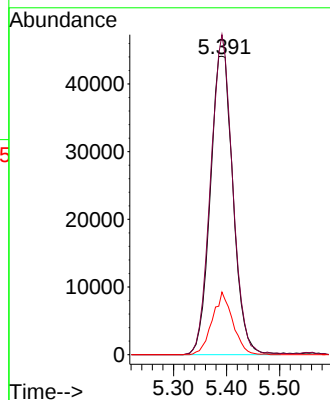
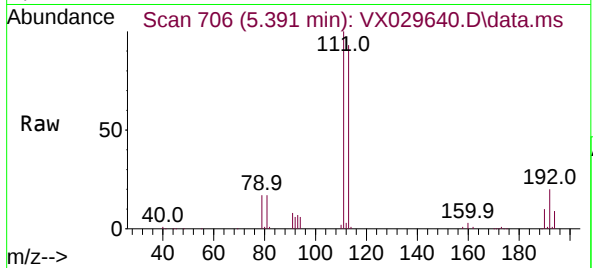




#35
Dibromofluoromethane
Concen: 45.998 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

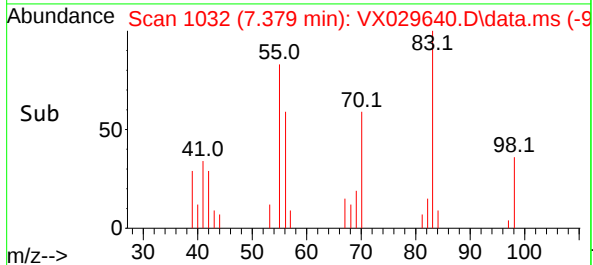
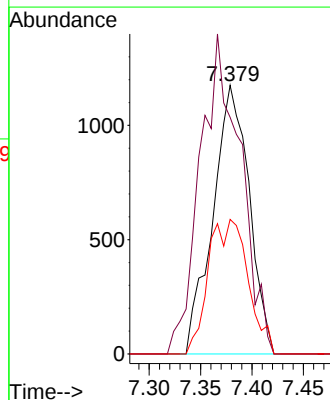
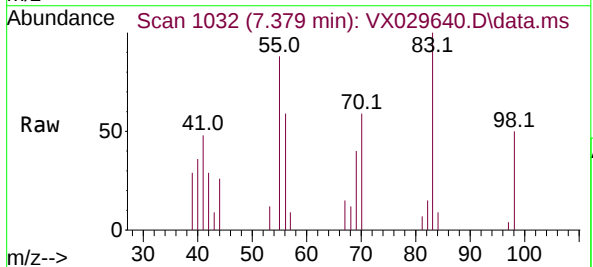
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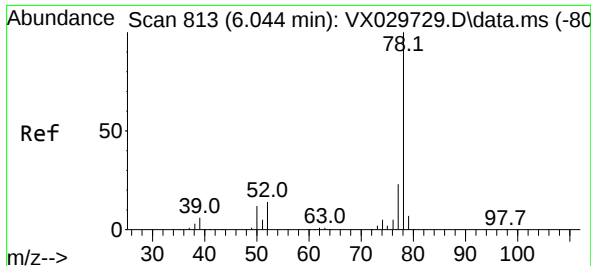
Tgt Ion:113 Resp: 132160
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 18.8 16.9 25.3



#39
Methylcyclohexane
Concen: 0.596 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

Tgt Ion: 83 Resp: 2888
Ion Ratio Lower Upper
83 100
55 88.1 54.6 81.8#
98 50.1 37.4 56.2

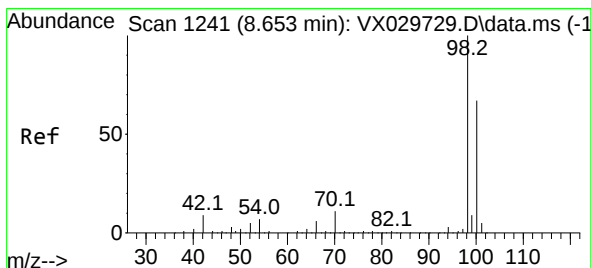
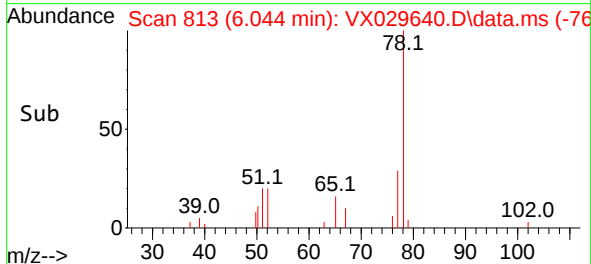
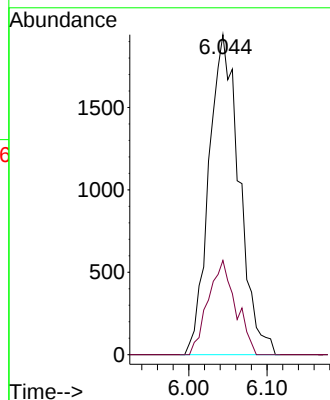
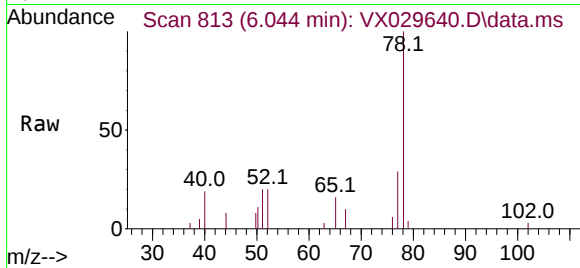




#40
Benzene
Concen: 0.454 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

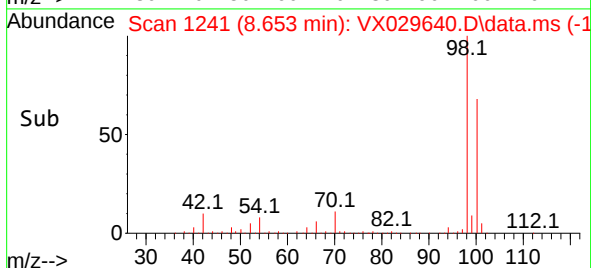
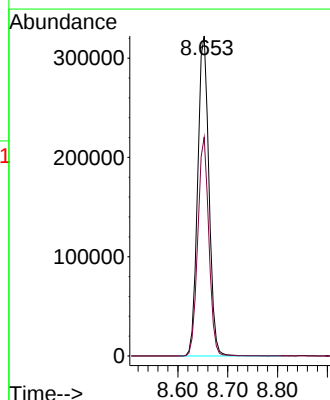
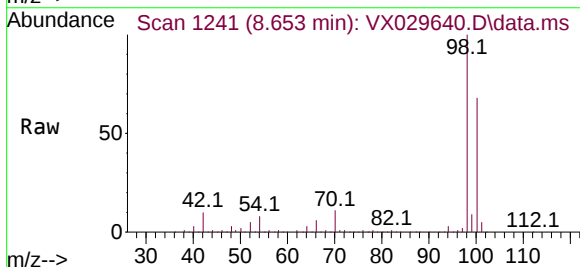
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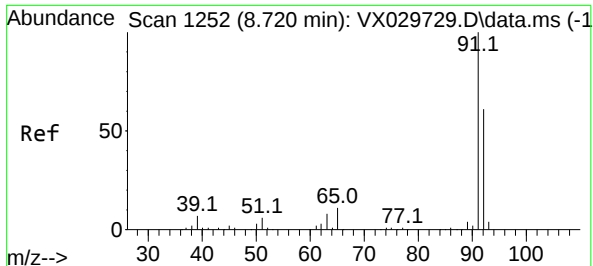
Tgt Ion: 78 Resp: 5235
Ion Ratio Lower Upper
78 100
77 29.5 19.3 28.9#



#50
Toluene-d8
Concen: 48.119 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

Tgt Ion: 98 Resp: 505063
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8

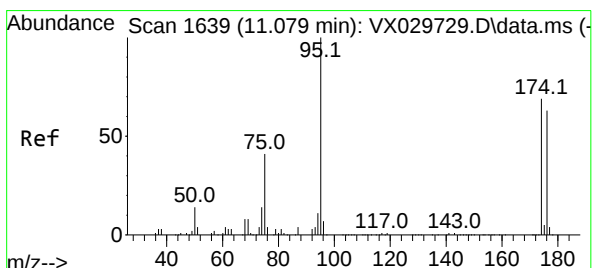
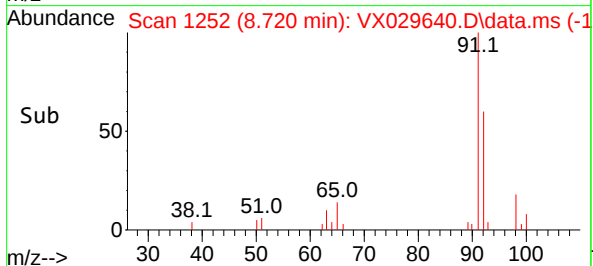
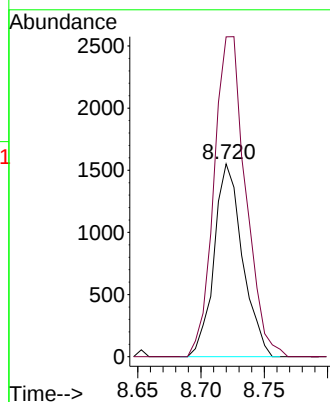
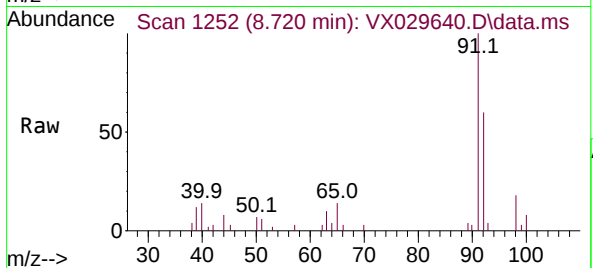




#52
Toluene
Concen: 0.328 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

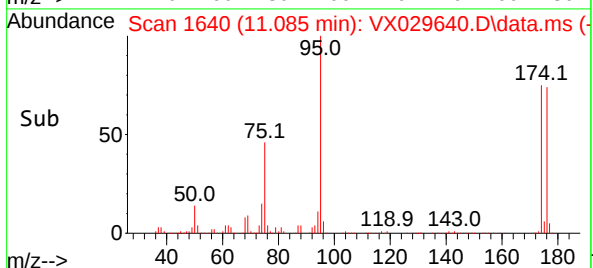
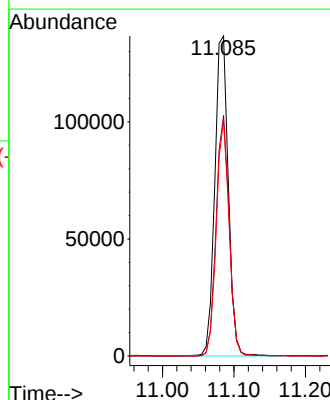
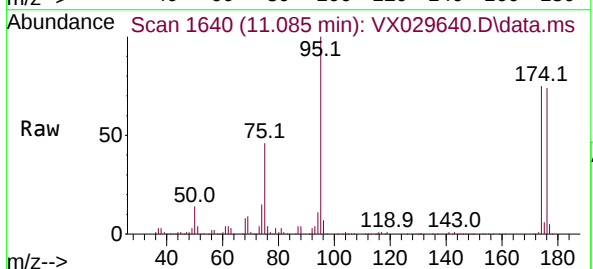
Instrument :
MSVOA_X
ClientSampleId :
MW-48

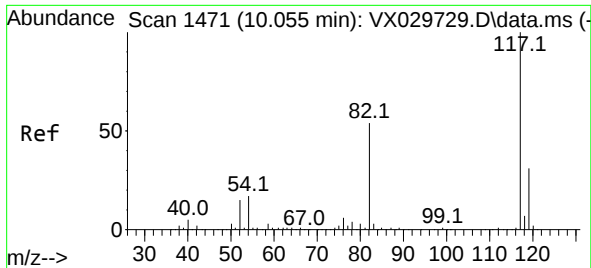
Tgt Ion: 92 Resp: 2424
Ion Ratio Lower Upper
92 100
91 185.0 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 45.349 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

Tgt Ion: 95 Resp: 179502
Ion Ratio Lower Upper
95 100
174 72.4 0.0 163.0
176 69.8 0.0 155.0

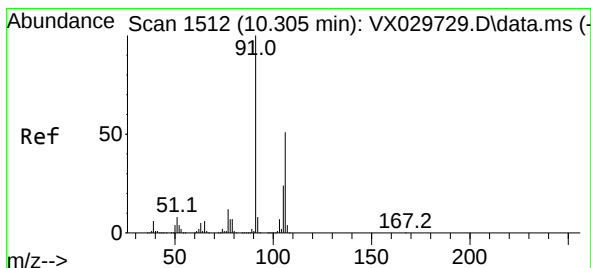
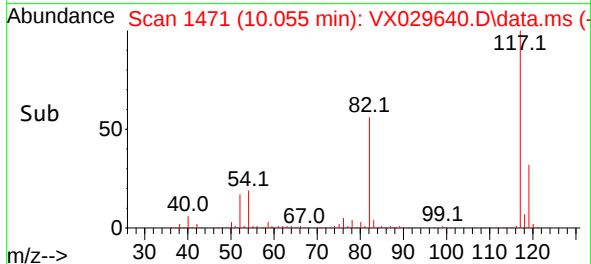
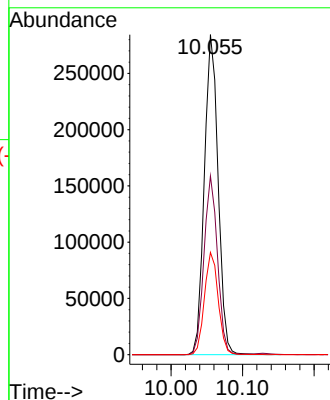
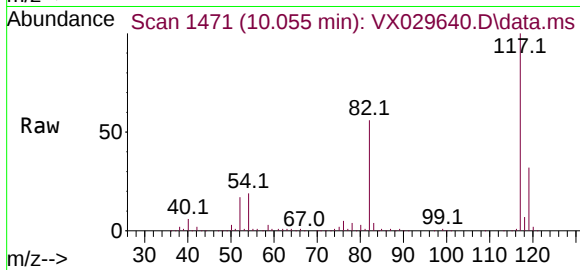




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

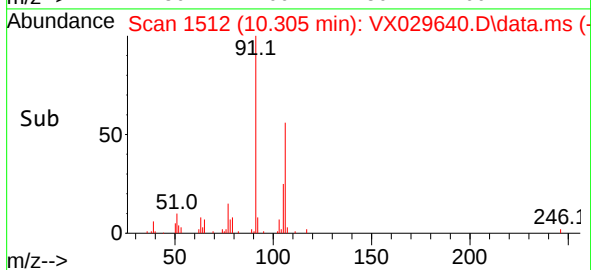
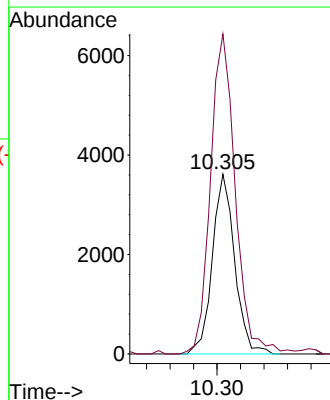
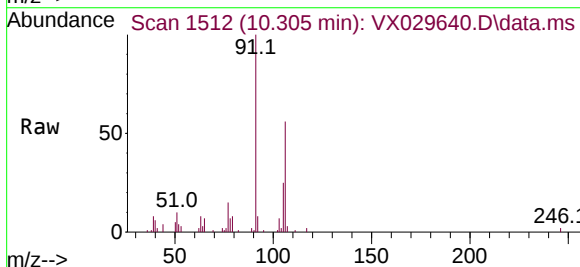
Instrument :
MSVOA_X
ClientSampleId :
MW-48

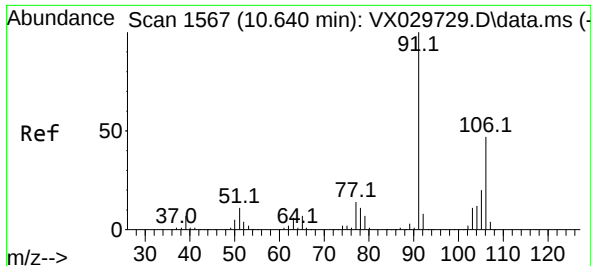
Tgt Ion:117 Resp: 381167
Ion Ratio Lower Upper
117 100
82 55.9 41.8 62.8
119 32.0 24.8 37.2



#68
m/p-Xylenes
Concen: 0.909 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

Tgt Ion:106 Resp: 4771
Ion Ratio Lower Upper
106 100
91 198.2 160.4 240.6

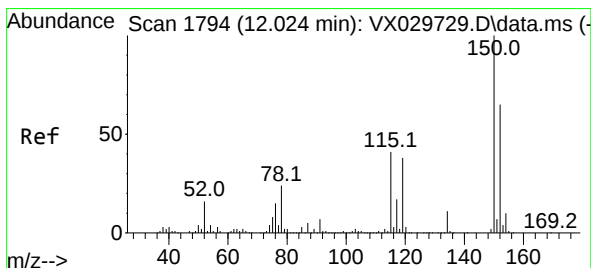
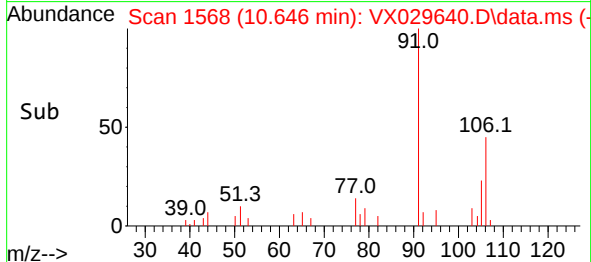
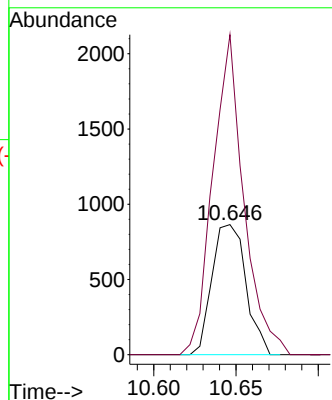
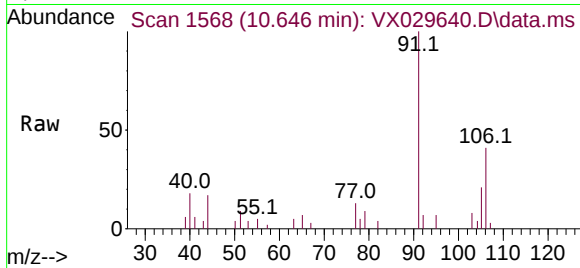




#69
o-Xylene
Concen: 0.239 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

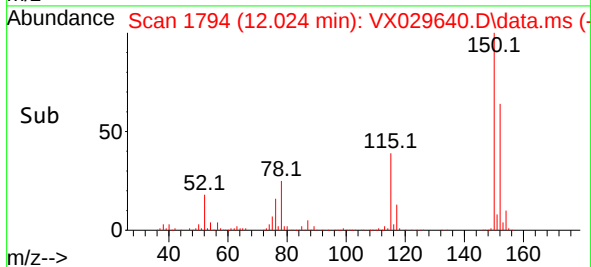
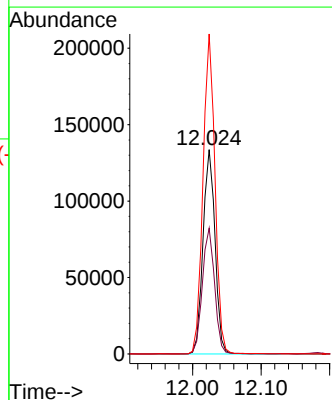
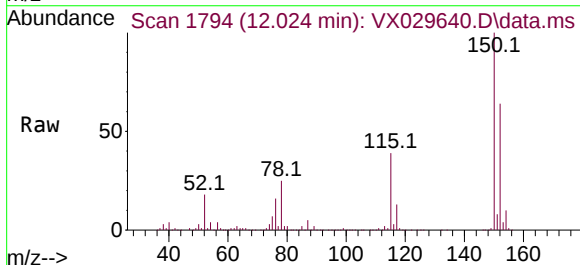
Instrument :
MSVOA_X
ClientSampleId :
MW-48

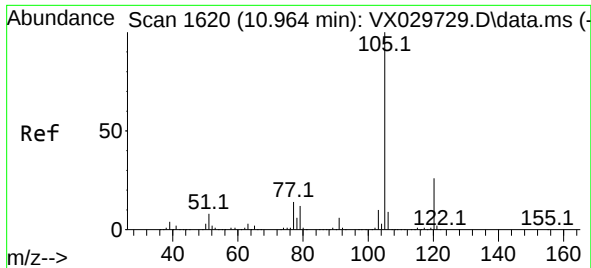
Tgt Ion:106 Resp: 1240
Ion Ratio Lower Upper
106 100
91 224.2 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

Tgt Ion:152 Resp: 163684
Ion Ratio Lower Upper
152 100
115 62.6 37.5 112.7
150 155.7 0.0 338.2

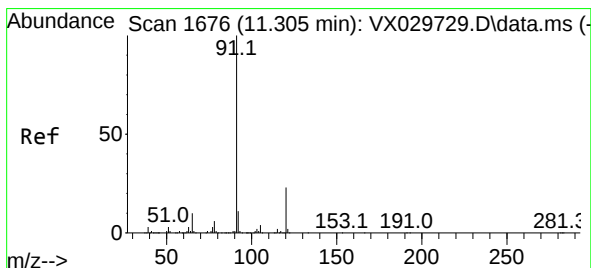
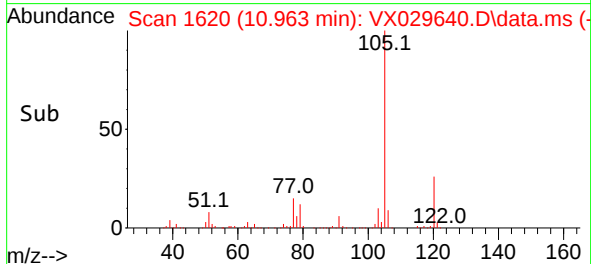
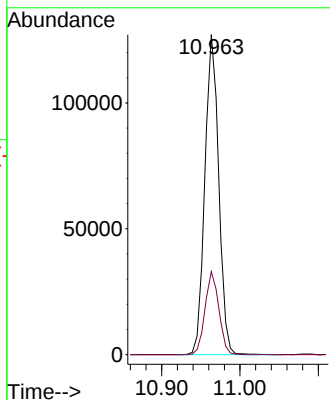
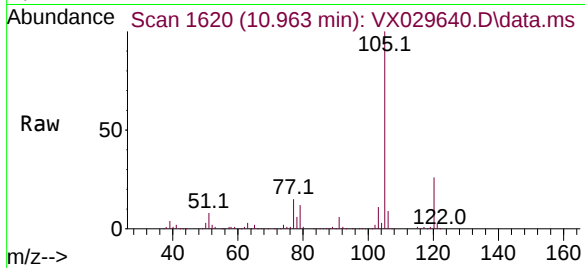




#73
Isopropylbenzene
Concen: 12.677 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

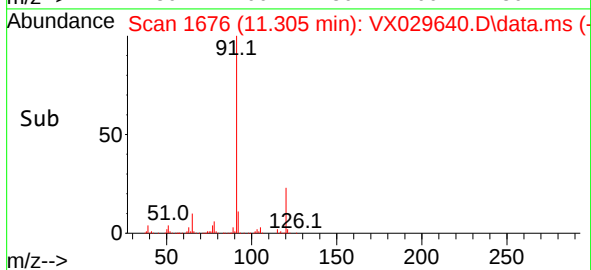
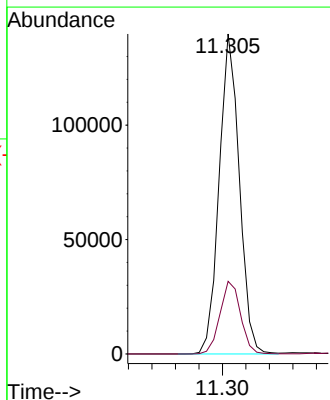
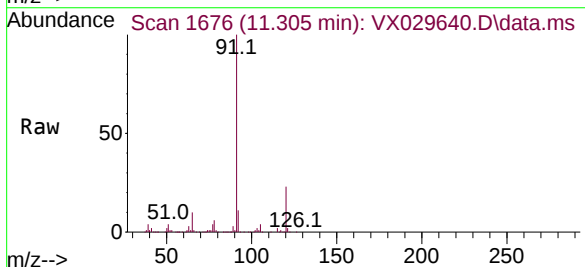
Instrument :
MSVOA_X
ClientSampleId :
MW-48

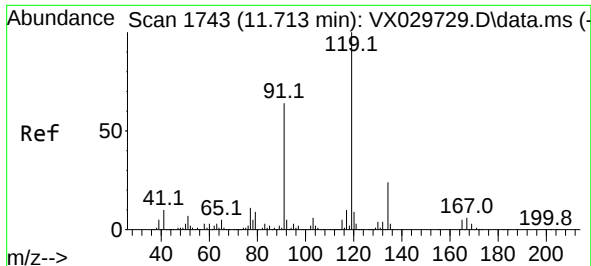
Tgt Ion:105 Resp: 155579
Ion Ratio Lower Upper
105 100
120 25.9 13.5 40.5



#78
n-propylbenzene
Concen: 12.069 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX029640.D
Acq: 21 Jun 2022 04:59

Tgt Ion: 91 Resp: 166820
Ion Ratio Lower Upper
91 100
120 23.2 11.6 34.8

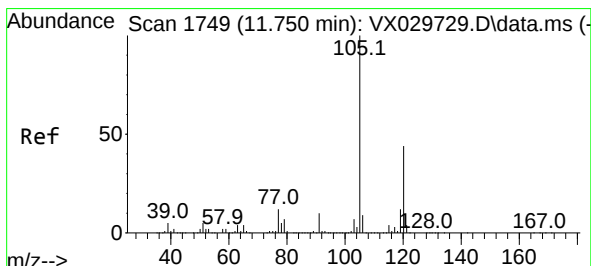
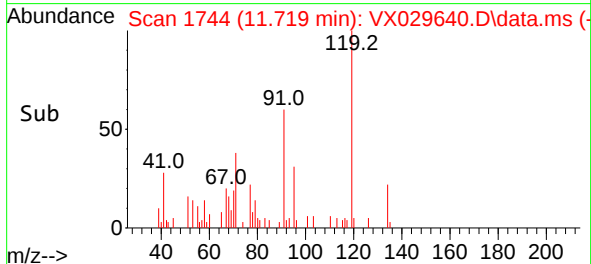
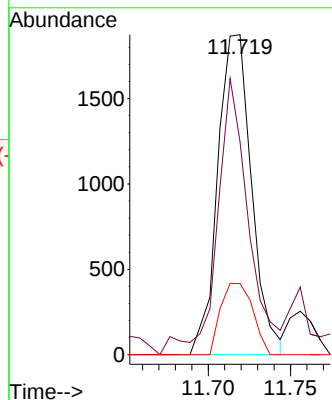
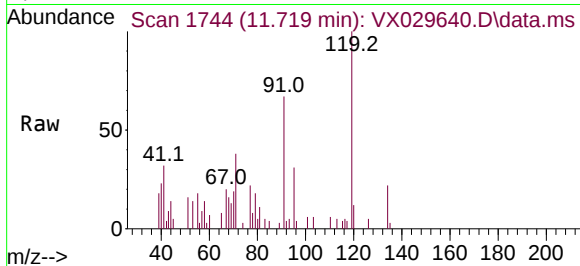




#83
 tert-Butylbenzene
 Concen: 0.267 ug/l
 RT: 11.719 min Scan# 1744
 Delta R.T. 0.000 min
 Lab File: VX029640.D
 Acq: 21 Jun 2022 04:59

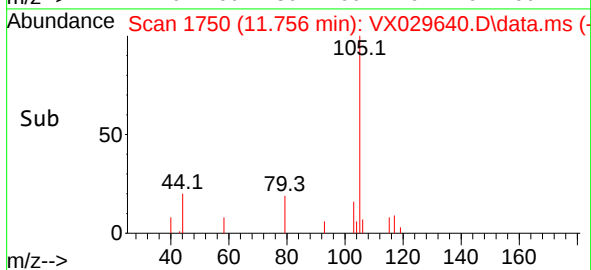
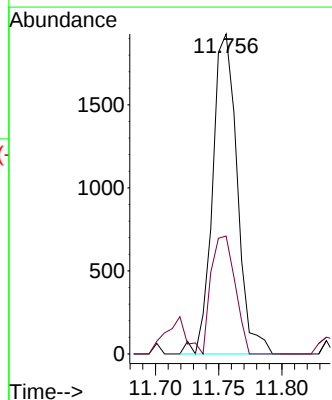
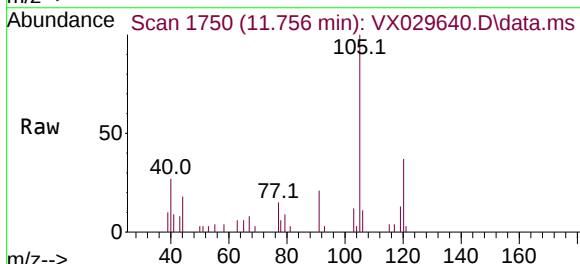
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-48

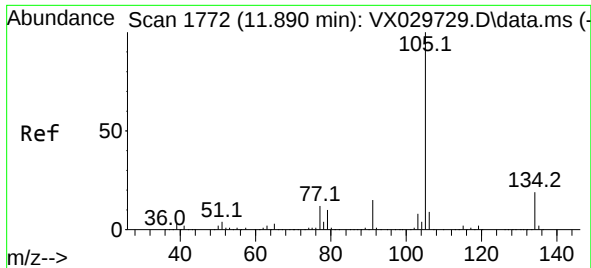
Tgt Ion:	119	Resp:	2686
Ion	Ratio	Lower	Upper
119	100		
91	79.5	26.9	80.6
134	21.0	11.4	34.2



#84
 1,2,4-Trimethylbenzene
 Concen: 0.254 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.000 min
 Lab File: VX029640.D
 Acq: 21 Jun 2022 04:59

Tgt Ion:	105	Resp:	2615
Ion	Ratio	Lower	Upper
105	100		
120	36.7	22.6	67.8

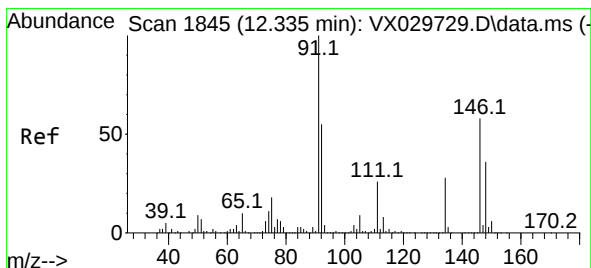
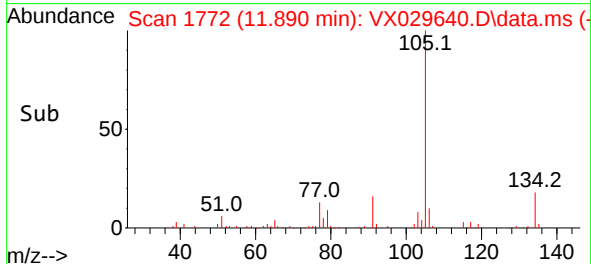
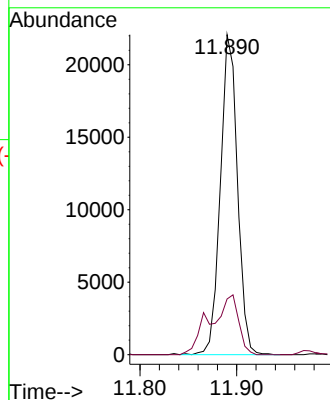
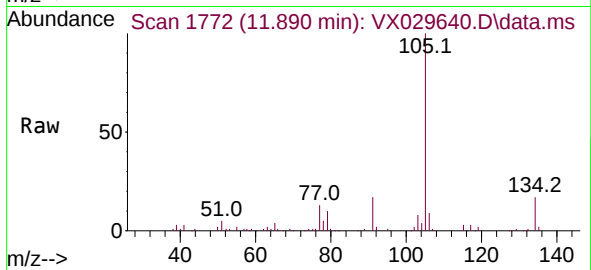




#85
 sec-Butylbenzene
 Concen: 2.162 ug/l
 RT: 11.890 min Scan# 1177
 Delta R.T. 0.000 min
 Lab File: VX029640.D
 Acq: 21 Jun 2022 04:59

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-48

Tgt Ion:105 Resp: 27004
 Ion Ratio Lower Upper
 105 100
 134 30.9 10.2 30.4#



#89
 n-Butylbenzene
 Concen: 0.978 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX029640.D
 Acq: 21 Jun 2022 04:59

Tgt Ion: 91 Resp: 8628
 Ion Ratio Lower Upper
 91 100
 92 41.4 27.8 83.3
 134 60.4 13.3 39.8#

