

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
 Data File : VX025441.D
 Acq On : 02 Dec 2021 20:14
 Operator : JC/MD
 Sample : M4917-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27

Quant Time: Dec 03 03:12:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	107291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	179653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	62425	55.20	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.40%	
35) Dibromofluoromethane	5.391	113	55267	50.14	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.28%	
50) Toluene-d8	8.653	98	209627	50.58	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.16%	
62) 4-Bromofluorobenzene	11.085	95	75225	47.98	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.96%	

Target Compounds

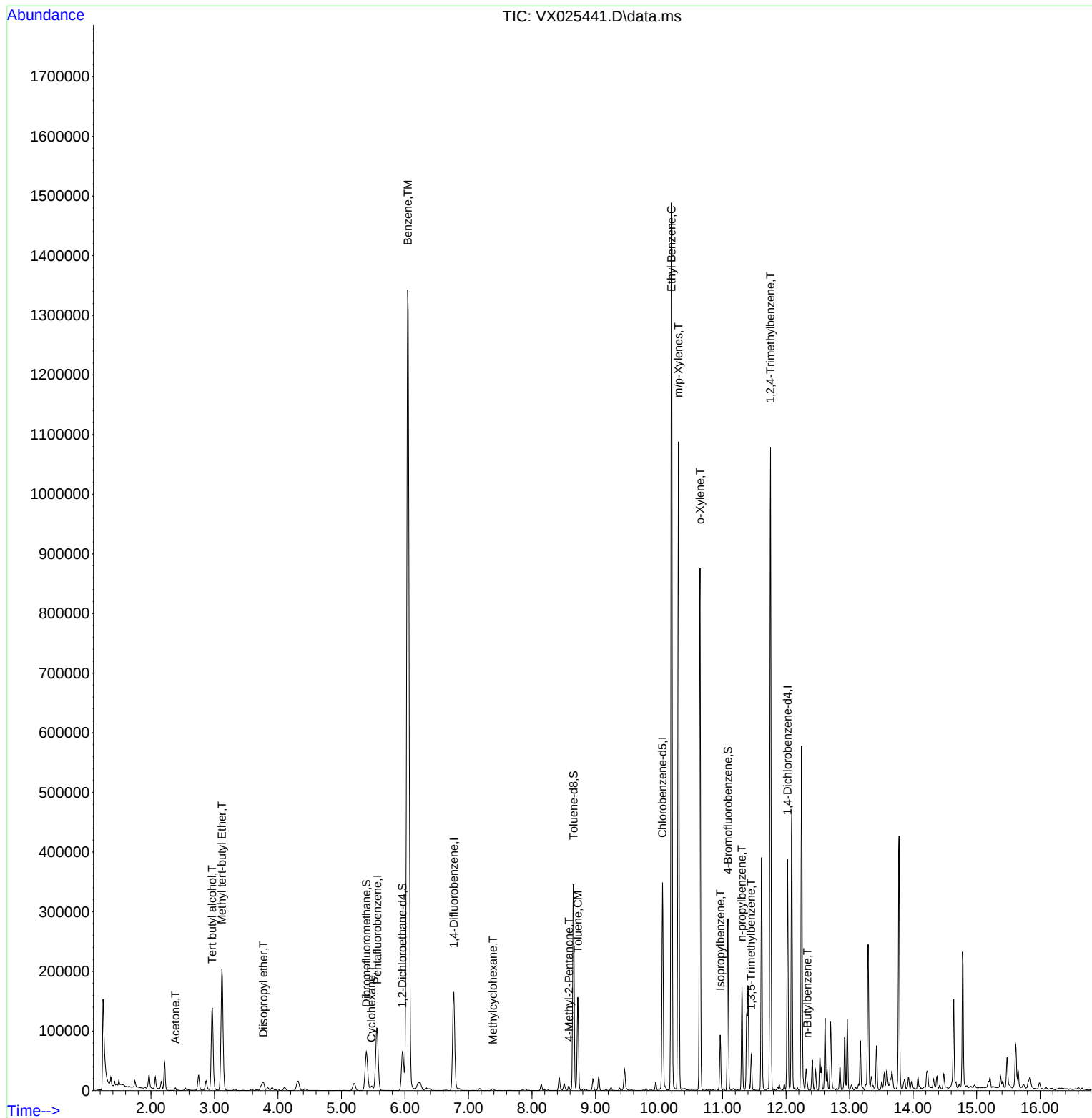
						Qvalue
11) Tert butyl alcohol	2.965	59	168472	615.29	ug/l	99
16) Acetone	2.386	43	4468	7.11	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	231469	66.80	ug/l	99
22) Diisopropyl ether	3.770	45	14900	4.35	ug/l #	80
31) Cyclohexane	5.471	56	5389	3.08	ug/l	97
39) Methylcyclohexane	7.385	83	1278	0.64	ug/l	99
40) Benzene	6.044	78	1663607	350.37	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	4277	2.30	ug/l	95
52) Toluene	8.720	92	58000	18.71	ug/l	99
67) Ethyl Benzene	10.195	91	849702	147.38	ug/l	97
68) m/p-Xylenes	10.305	106	252282	107.13	ug/l	93
69) o-Xylene	10.646	106	196115	85.09	ug/l	91
73) Isopropylbenzene	10.963	105	46798	8.27	ug/l	98
78) n-propylbenzene	11.305	91	105243	16.56	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	26954	5.66	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	478708	101.77	ug/l	95
89) n-Butylbenzene	12.335	91	6468	1.52	ug/l #	43

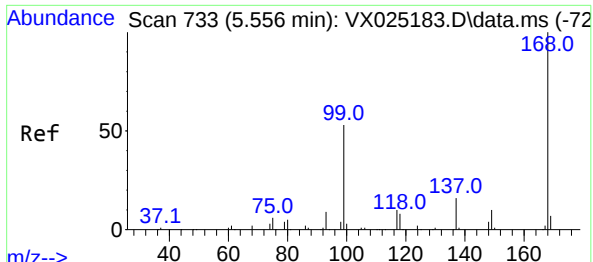
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration

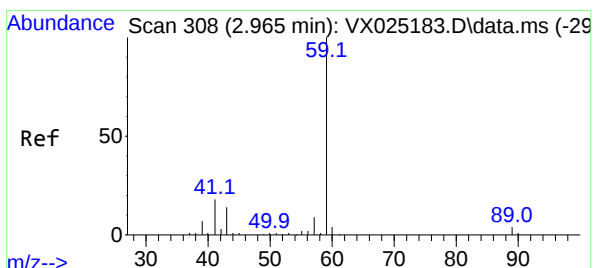
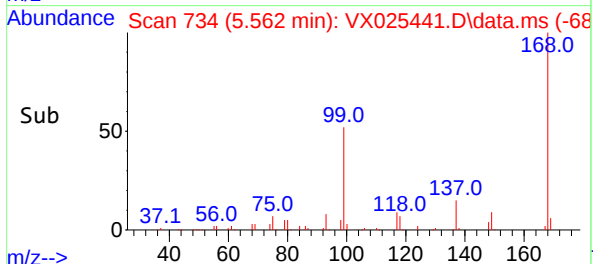
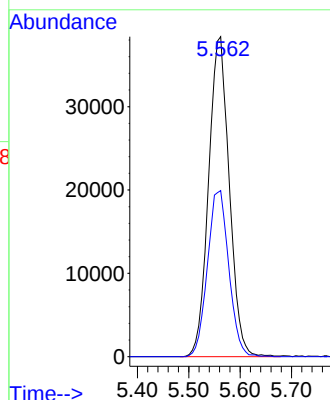
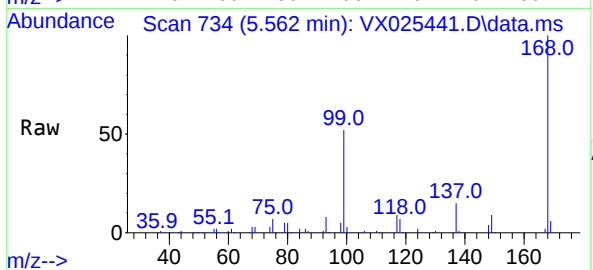




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

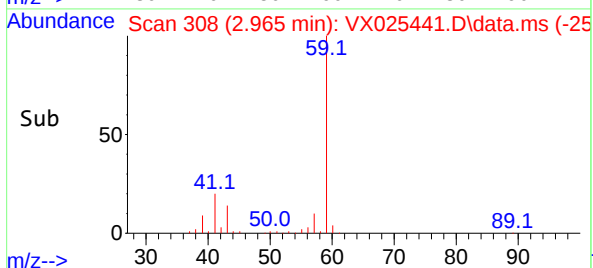
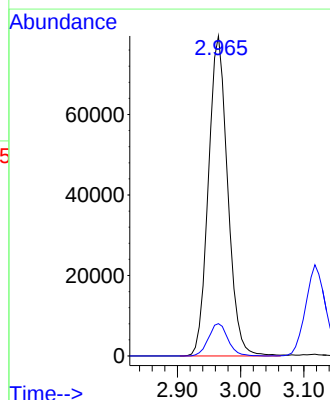
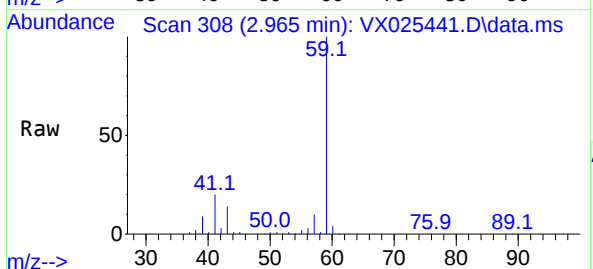
Instrument :
MSVOA_X
ClientSampleId :
MW-27

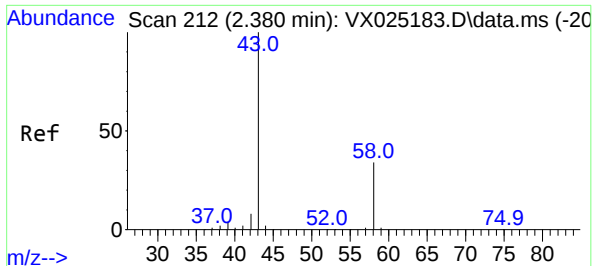
Tgt Ion:168 Resp: 107291
Ion Ratio Lower Upper
168 100
99 51.9 46.4 69.6



#11
Tert butyl alcohol
Concen: 615.29 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.000 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

Tgt Ion: 59 Resp: 168472
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7

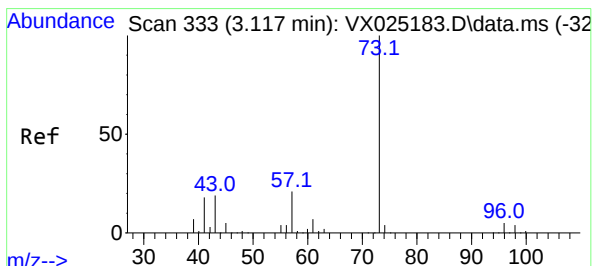
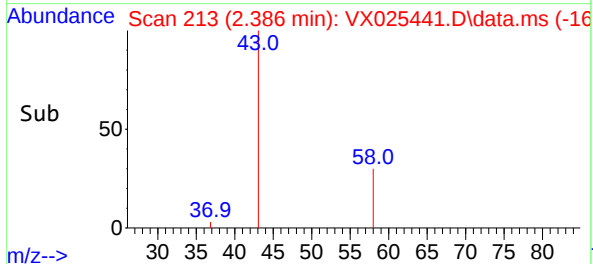
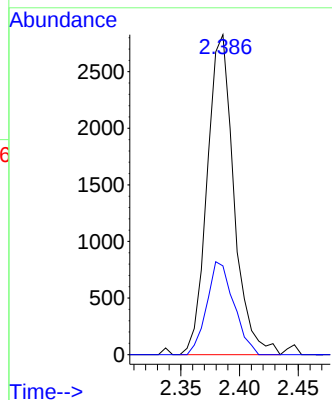
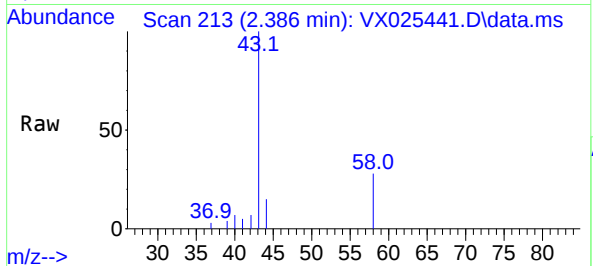




#16
Acetone
Concen: 7.11 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

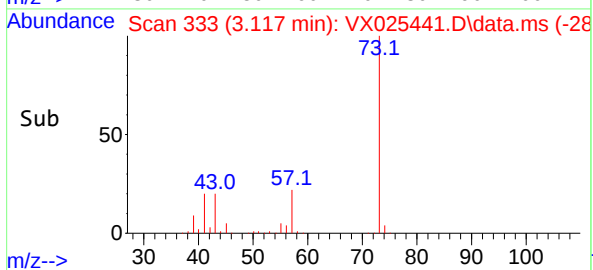
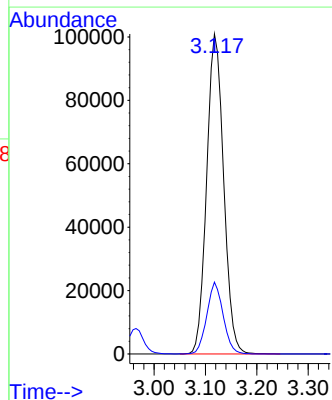
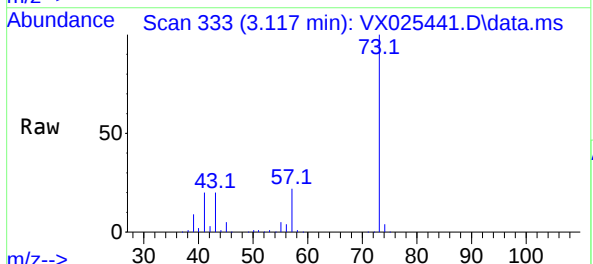
Instrument :
MSVOA_X
ClientSampleId :
MW-27

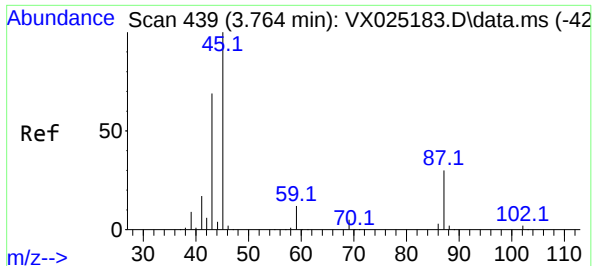
Tgt Ion: 43 Resp: 4468
Ion Ratio Lower Upper
43 100
58 27.8 24.0 36.0



#19
Methyl tert-butyl Ether
Concen: 66.80 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

Tgt Ion: 73 Resp: 231469
Ion Ratio Lower Upper
73 100
57 22.5 17.5 26.3

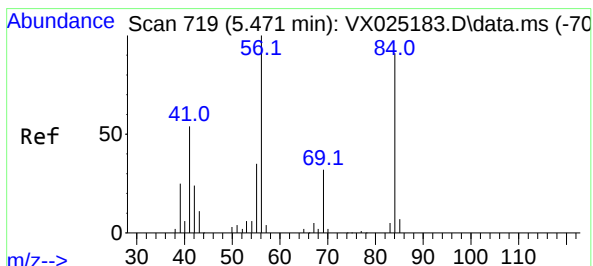
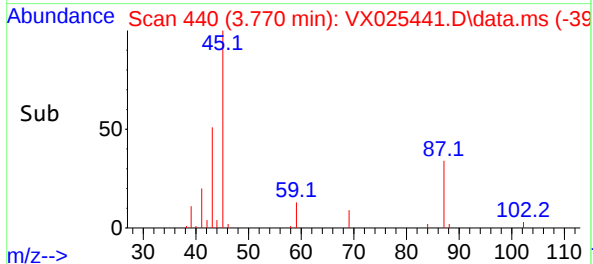
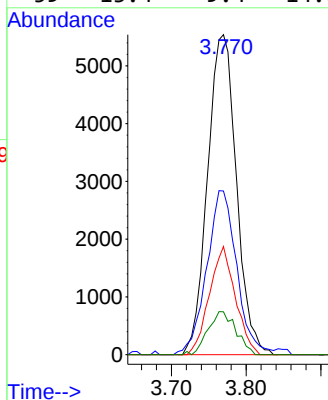
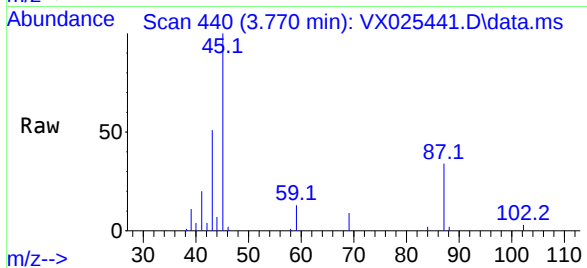




#22
Diisopropyl ether
Concen: 4.35 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

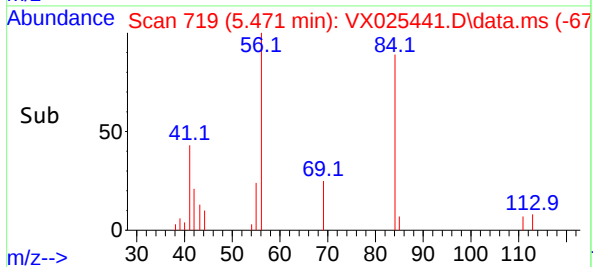
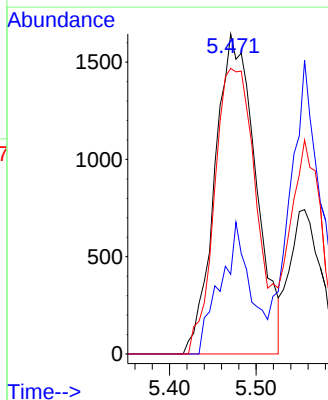
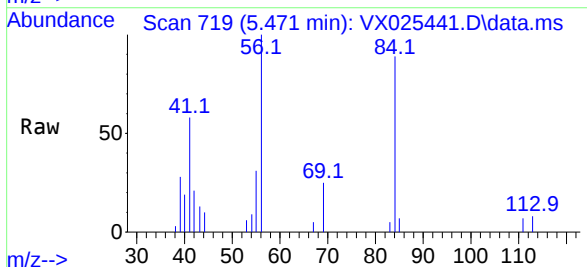
Instrument :
MSVOA_X
ClientSampleId :
MW-27

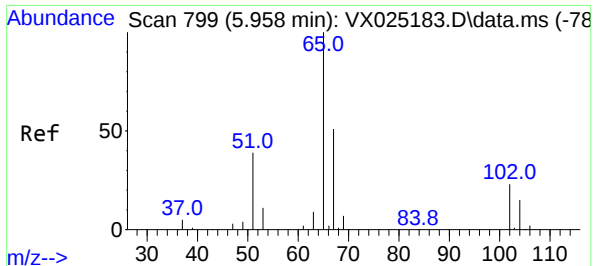
Tgt Ion: 45	Resp: 14900
Ion Ratio	Lower Upper
45 100	
43 50.2	58.3 87.5#
87 33.8	23.7 35.5
59 13.4	9.4 14.0



#31
Cyclohexane
Concen: 3.08 ug/l
RT: 5.471 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

Tgt Ion: 56	Resp: 5389		
Ion Ratio	Lower	Upper	
56 100			
69 24.9	24.2	36.2	
84 89.2	71.5	107.3	





#33

1,2-Dichloroethane-d4

Concen: 55.20 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025441.D

Acq: 02 Dec 2021 20:14

Instrument :

MSVOA_X

ClientSampleId :

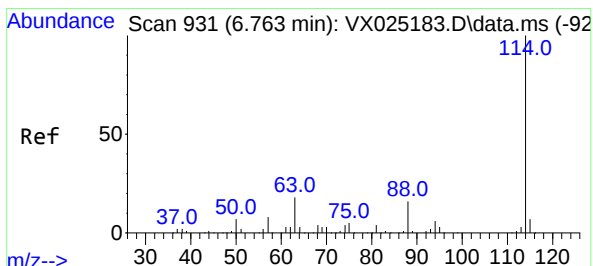
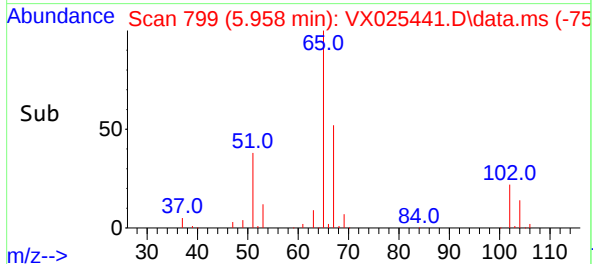
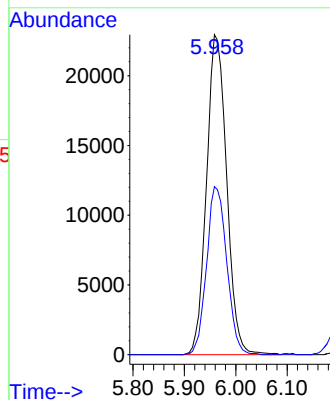
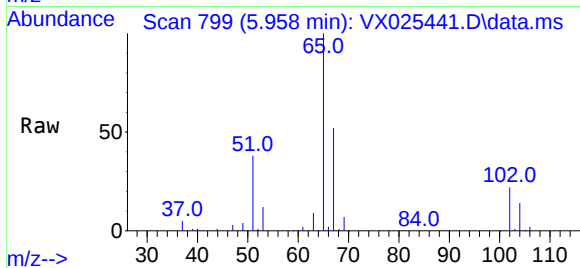
MW-27

Tgt Ion: 65 Resp: 62425

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX025441.D

Acq: 02 Dec 2021 20:14

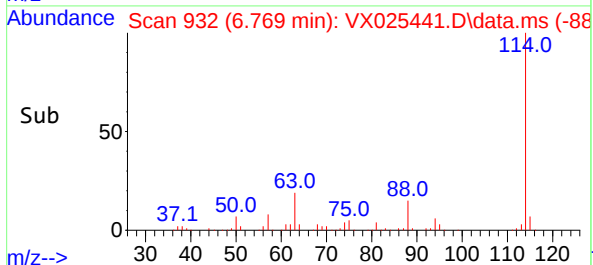
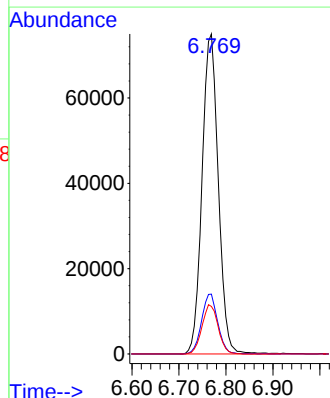
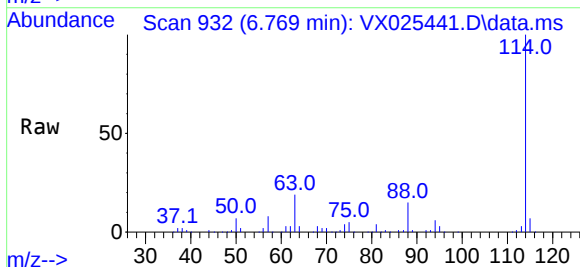
Tgt Ion:114 Resp: 179653

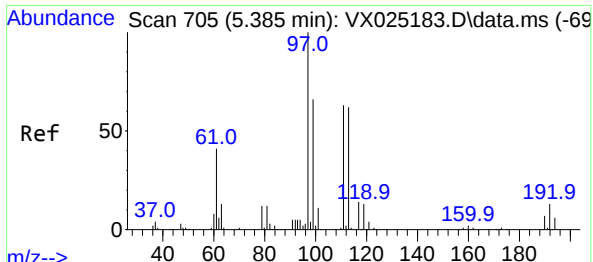
Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.0

88 14.8 0.0 34.8

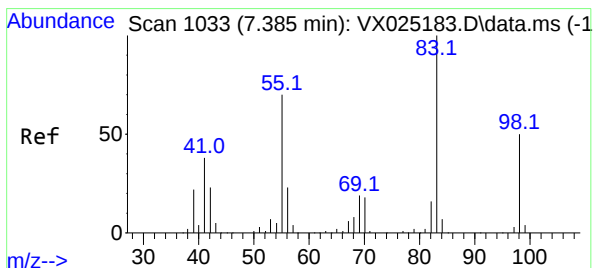
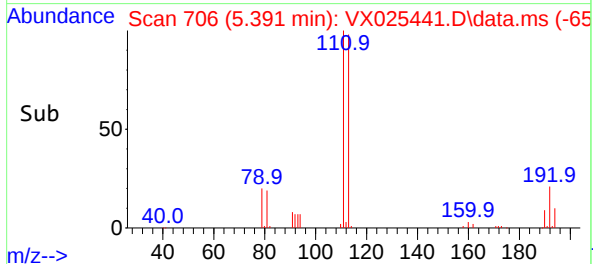
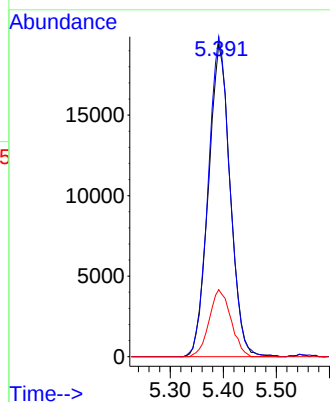
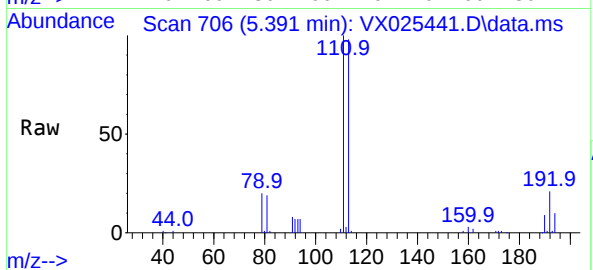




#35
Dibromofluoromethane
Concen: 50.14 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

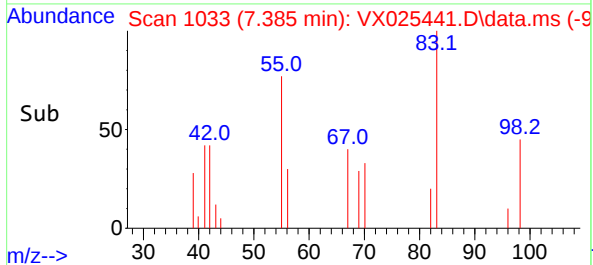
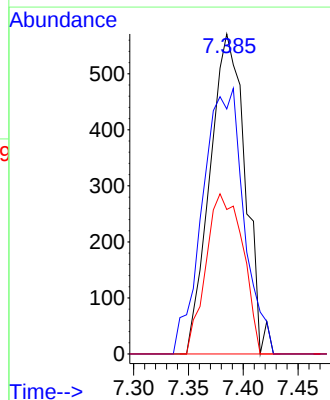
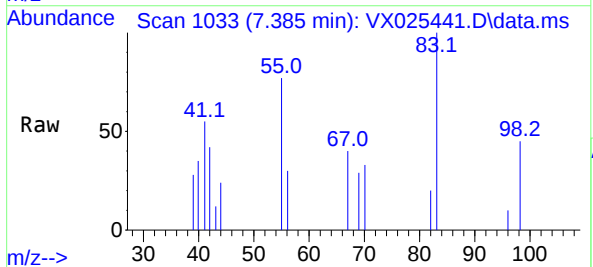
Instrument :
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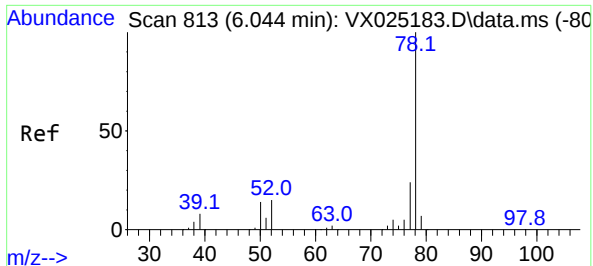
Tgt Ion:113 Resp: 55267
Ion Ratio Lower Upper
113 100
111 102.0 82.1 123.1
192 21.4 15.6 23.4



#39
Methylcyclohexane
Concen: 0.64 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

Tgt Ion: 83 Resp: 1278
Ion Ratio Lower Upper
83 100
55 76.5 60.8 91.2
98 45.2 37.0 55.4

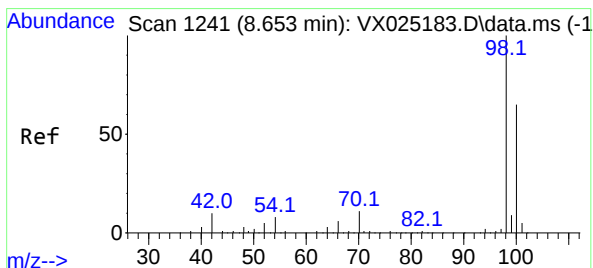
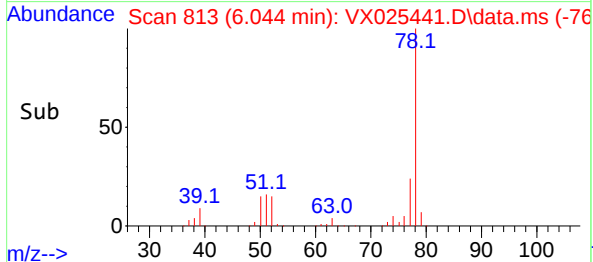
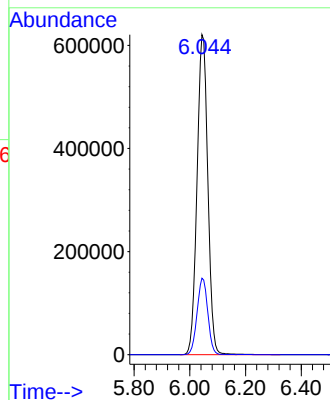
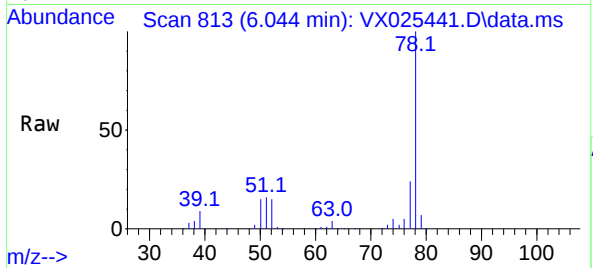




#40
Benzene
Concen: 350.37 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

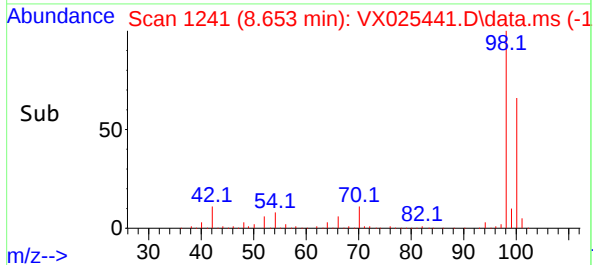
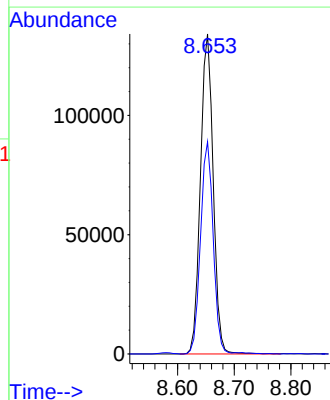
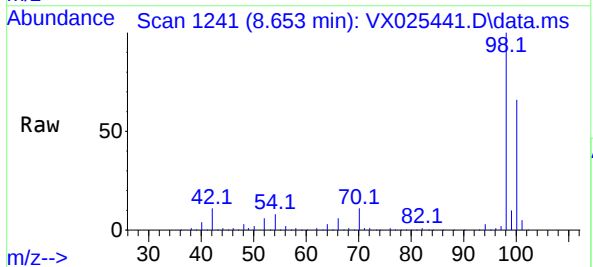
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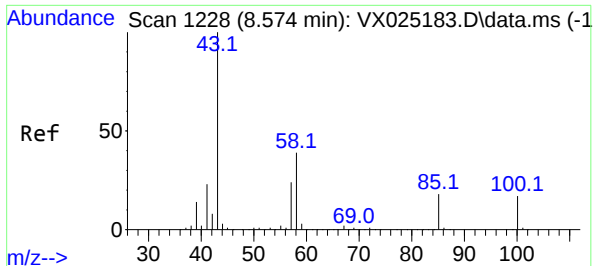
Tgt Ion: 78 Resp: 1663607
Ion Ratio Lower Upper
78 100
77 23.9 18.3 27.5



#50
Toluene-d8
Concen: 50.58 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

Tgt Ion: 98 Resp: 209627
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 2.30 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX025441.D

Acq: 02 Dec 2021 20:14

Instrument :

MSVOA_X

ClientSampleId :

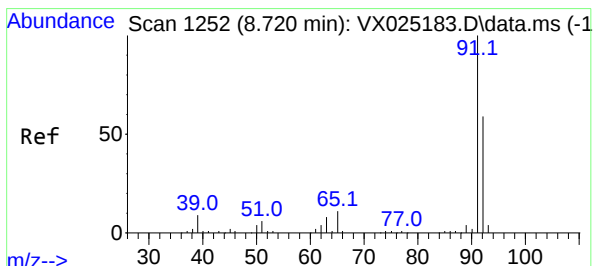
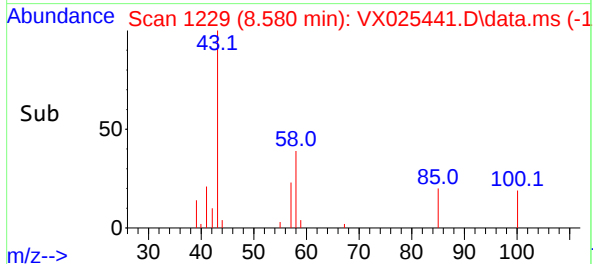
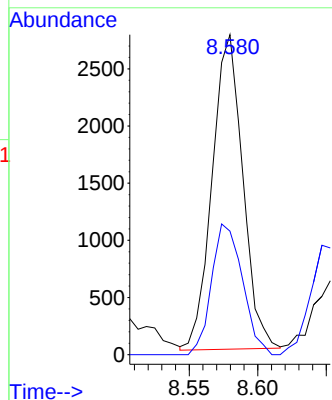
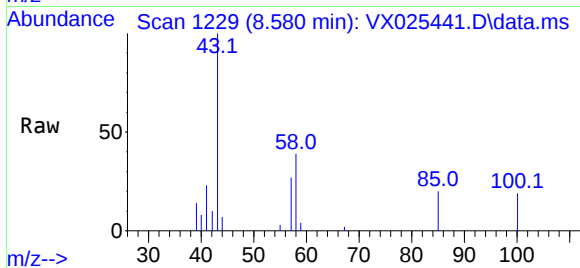
MW-27

Tgt Ion: 43 Resp: 4277

Ion Ratio Lower Upper

43 100

58 41.9 30.9 46.3



#52

Toluene

Concen: 18.71 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX025441.D

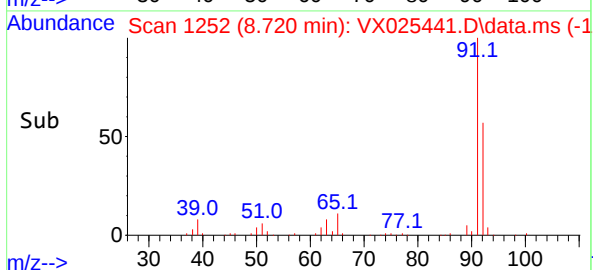
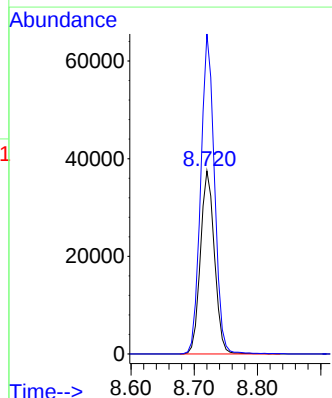
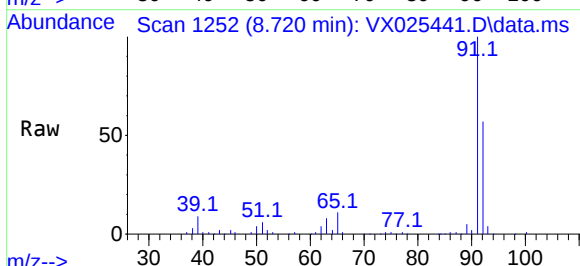
Acq: 02 Dec 2021 20:14

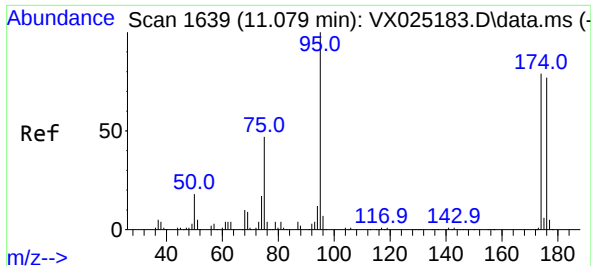
Tgt Ion: 92 Resp: 58000

Ion Ratio Lower Upper

92 100

91 171.7 138.6 208.0

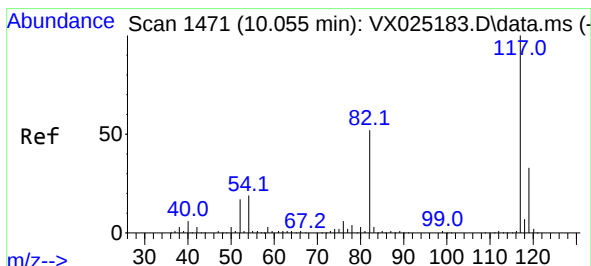
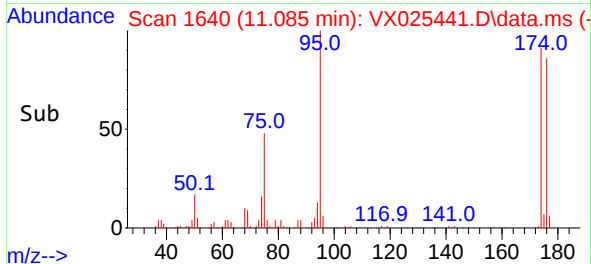
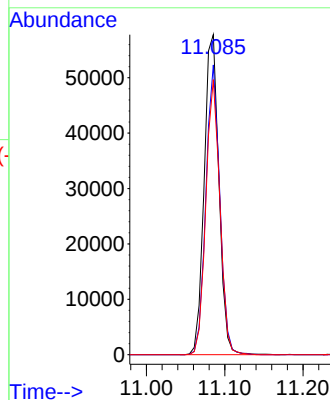
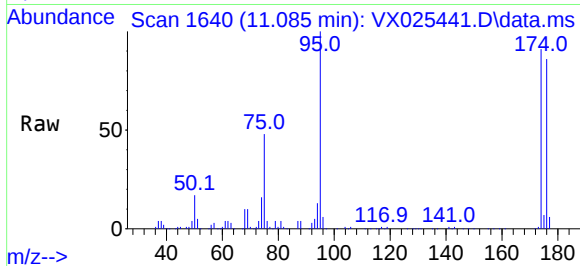




#62
4-Bromofluorobenzene
Concen: 47.98 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

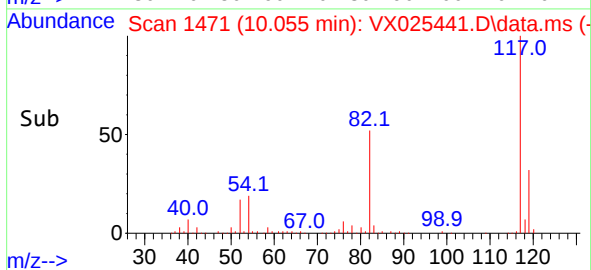
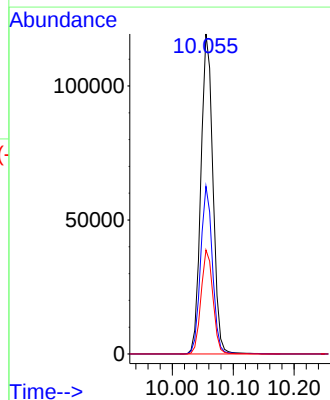
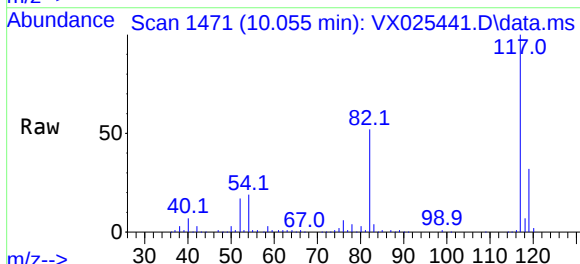
Instrument :
MSVOA_X
ClientSampleId :
MW-27

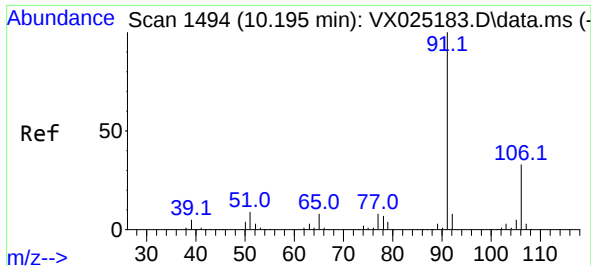
Tgt Ion: 95 Resp: 75225
Ion Ratio Lower Upper
95 100
174 85.6 0.0 158.0
176 81.9 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

Tgt Ion: 117 Resp: 163715
Ion Ratio Lower Upper
117 100
82 52.4 44.6 67.0
119 32.5 24.8 37.2





#67

Ethyl Benzene

Concen: 147.38 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX025441.D

Acq: 02 Dec 2021 20:14

Instrument :

MSVOA_X

ClientSampleId :

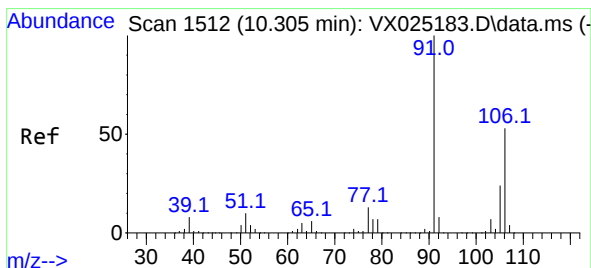
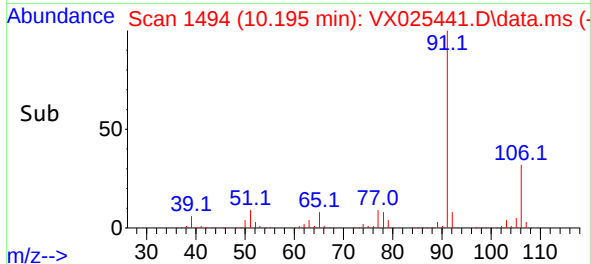
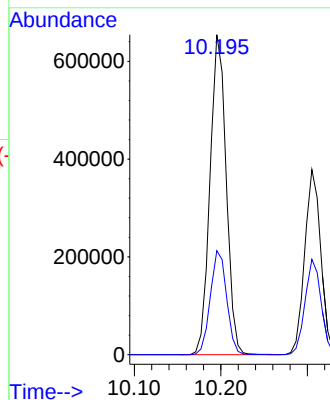
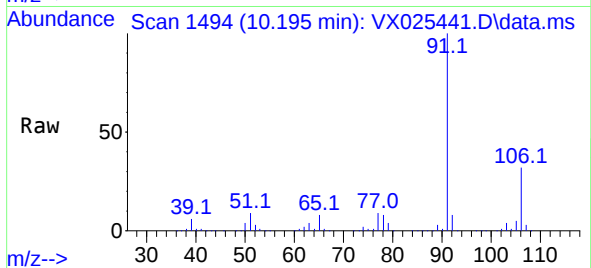
MW-27

Tgt Ion: 91 Resp: 849702

Ion Ratio Lower Upper

91 100

106 32.5 24.7 37.1



#68

m/p-Xylenes

Concen: 107.13 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX025441.D

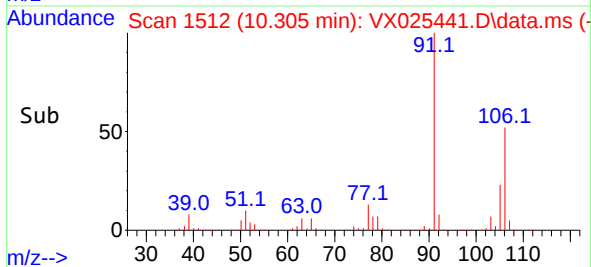
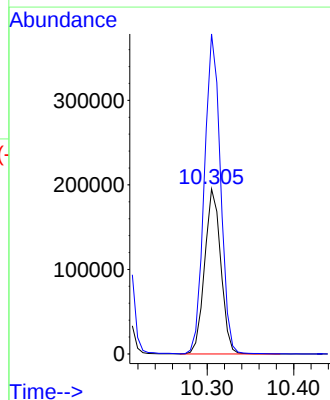
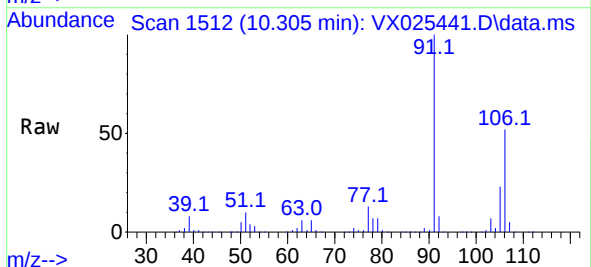
Acq: 02 Dec 2021 20:14

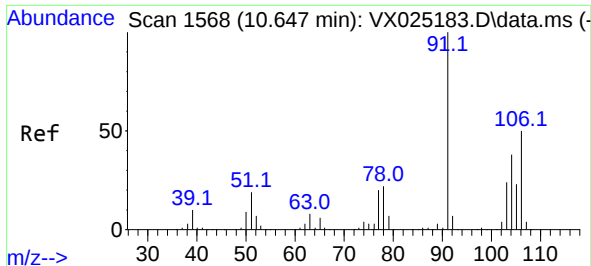
Tgt Ion:106 Resp: 252282

Ion Ratio Lower Upper

106 100

91 194.0 163.4 245.0

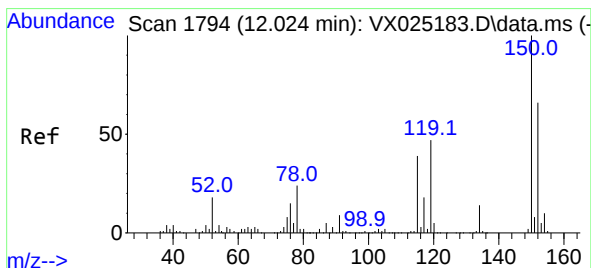
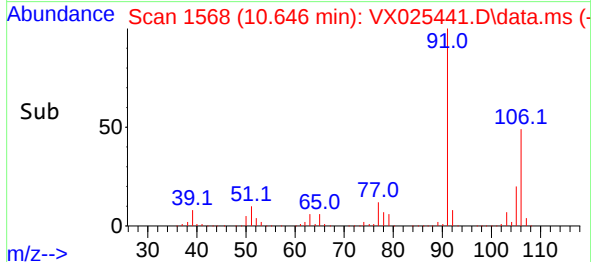
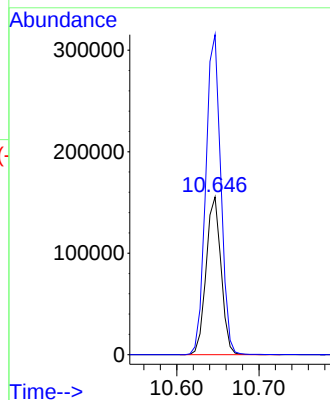
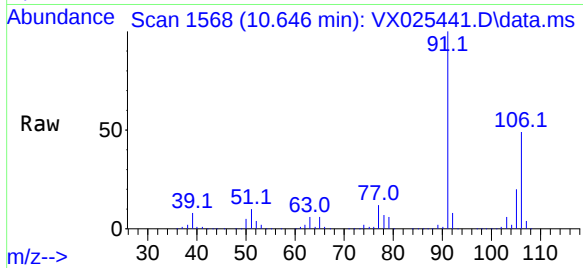




#69
o-Xylene
Concen: 85.09 ug/l
RT: 10.646 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

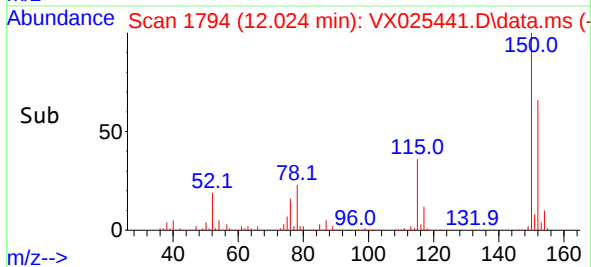
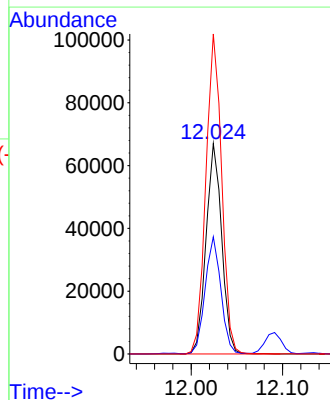
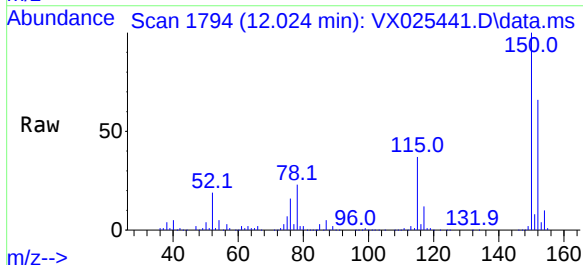
Instrument :
MSVOA_X
ClientSampleId :
MW-27

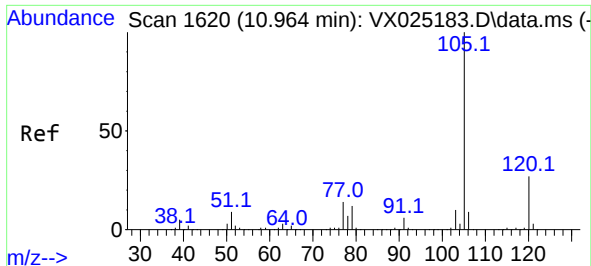
Tgt Ion:106 Resp: 196115
Ion Ratio Lower Upper
106 100
91 204.6 109.5 328.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

Tgt Ion:152 Resp: 79444
Ion Ratio Lower Upper
152 100
115 55.9 43.3 129.8
150 153.4 0.0 351.2

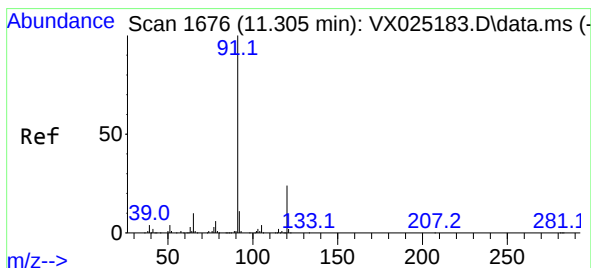
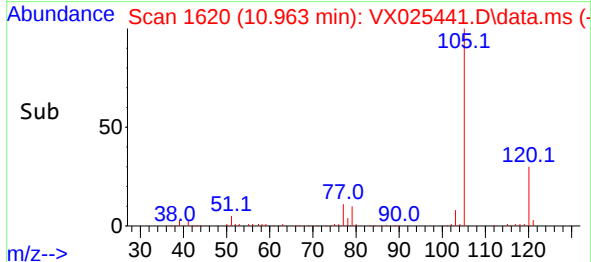
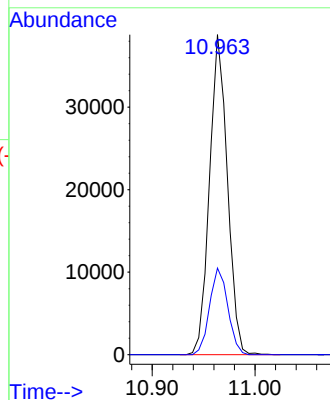
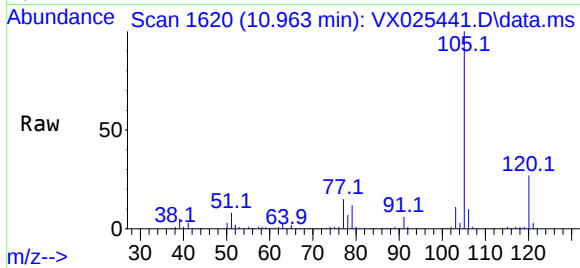




#73
Isopropylbenzene
Concen: 8.27 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

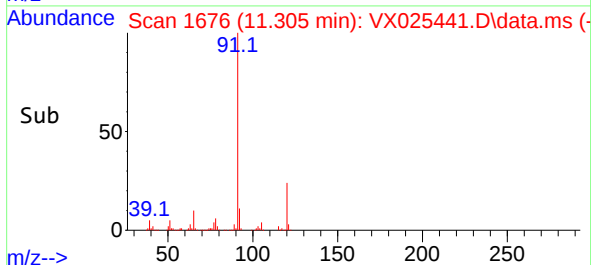
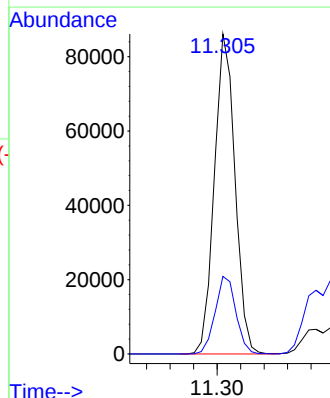
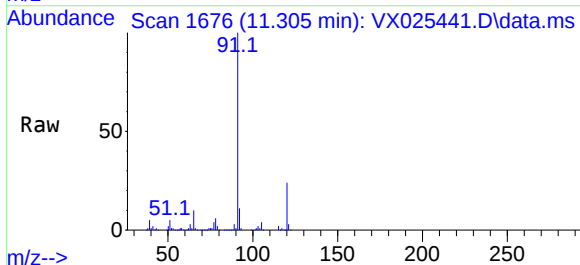
Instrument :
MSVOA_X
ClientSampleId :
MW-27

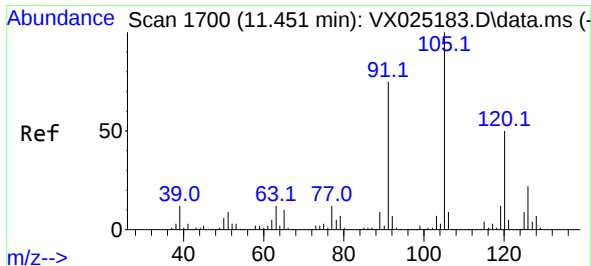
Tgt Ion:105 Resp: 46798
Ion Ratio Lower Upper
105 100
120 27.6 13.3 39.8



#78
n-propylbenzene
Concen: 16.56 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

Tgt Ion: 91 Resp: 105243
Ion Ratio Lower Upper
91 100
120 24.4 11.7 35.0

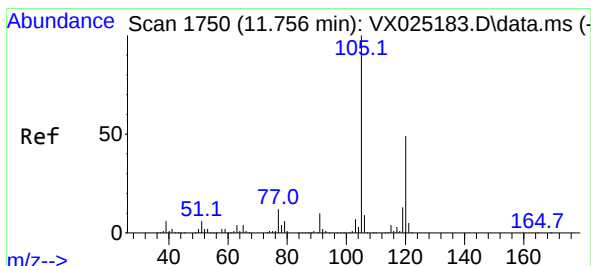
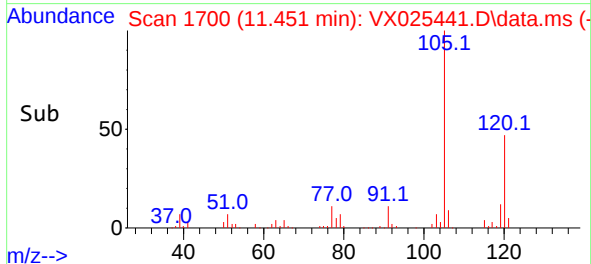
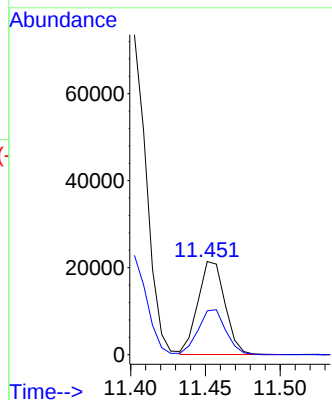
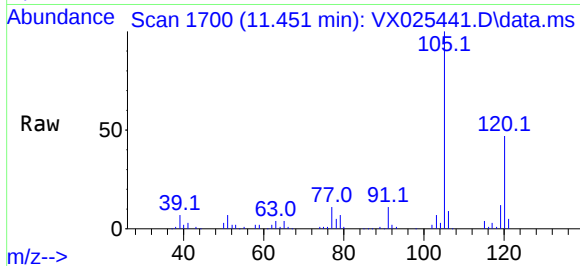




#80
1,3,5-Trimethylbenzene
Concen: 5.66 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

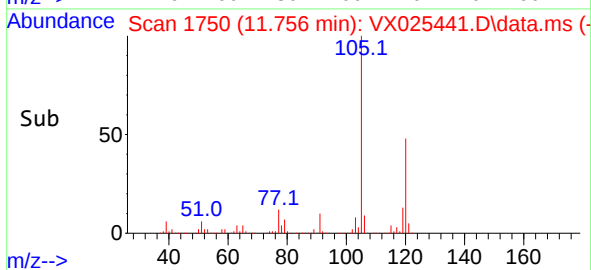
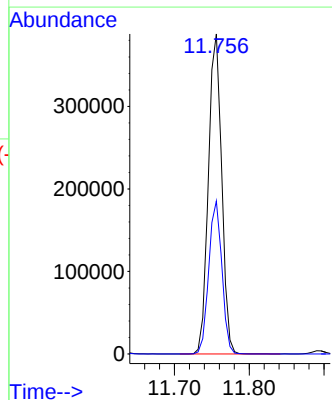
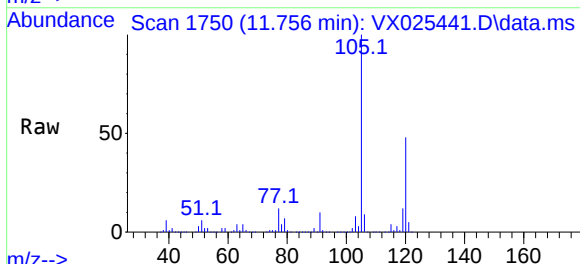
Instrument :
MSVOA_X
ClientSampleId :
MW-27

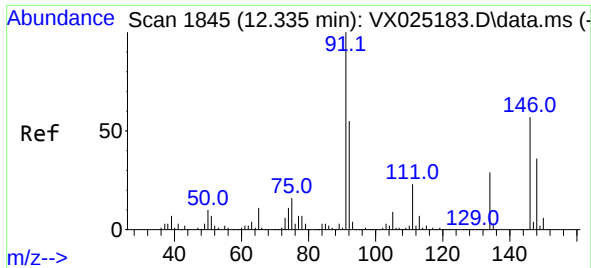
Tgt Ion:105 Resp: 26954
Ion Ratio Lower Upper
105 100
120 49.8 23.8 71.5



#84
1,2,4-Trimethylbenzene
Concen: 101.77 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX025441.D
Acq: 02 Dec 2021 20:14

Tgt Ion:105 Resp: 478708
Ion Ratio Lower Upper
105 100
120 47.2 22.1 66.3





#89
 n-Butylbenzene
 Concen: 1.52 ug/l
 RT: 12.335 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025441.D
 Acq: 02 Dec 2021 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27

Tgt Ion: 91 Resp: 6468
 Ion Ratio Lower Upper
 91 100
 92 36.1 26.3 78.8
 134 90.4 13.0 38.9#

