

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
 Data File : VX029884.D
 Acq On : 30 Jun 2022 01:20
 Operator : JC/MD
 Sample : N3481-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16

Quant Time: Jun 30 06:26:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	230454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	396586	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	347539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	157788	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	130364	44.689	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.380%
35) Dibromofluoromethane	5.391	113	114364	46.143	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.280%
50) Toluene-d8	8.653	98	459002	49.366	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.740%
62) 4-Bromofluorobenzene	11.085	95	156269	47.546	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.100%

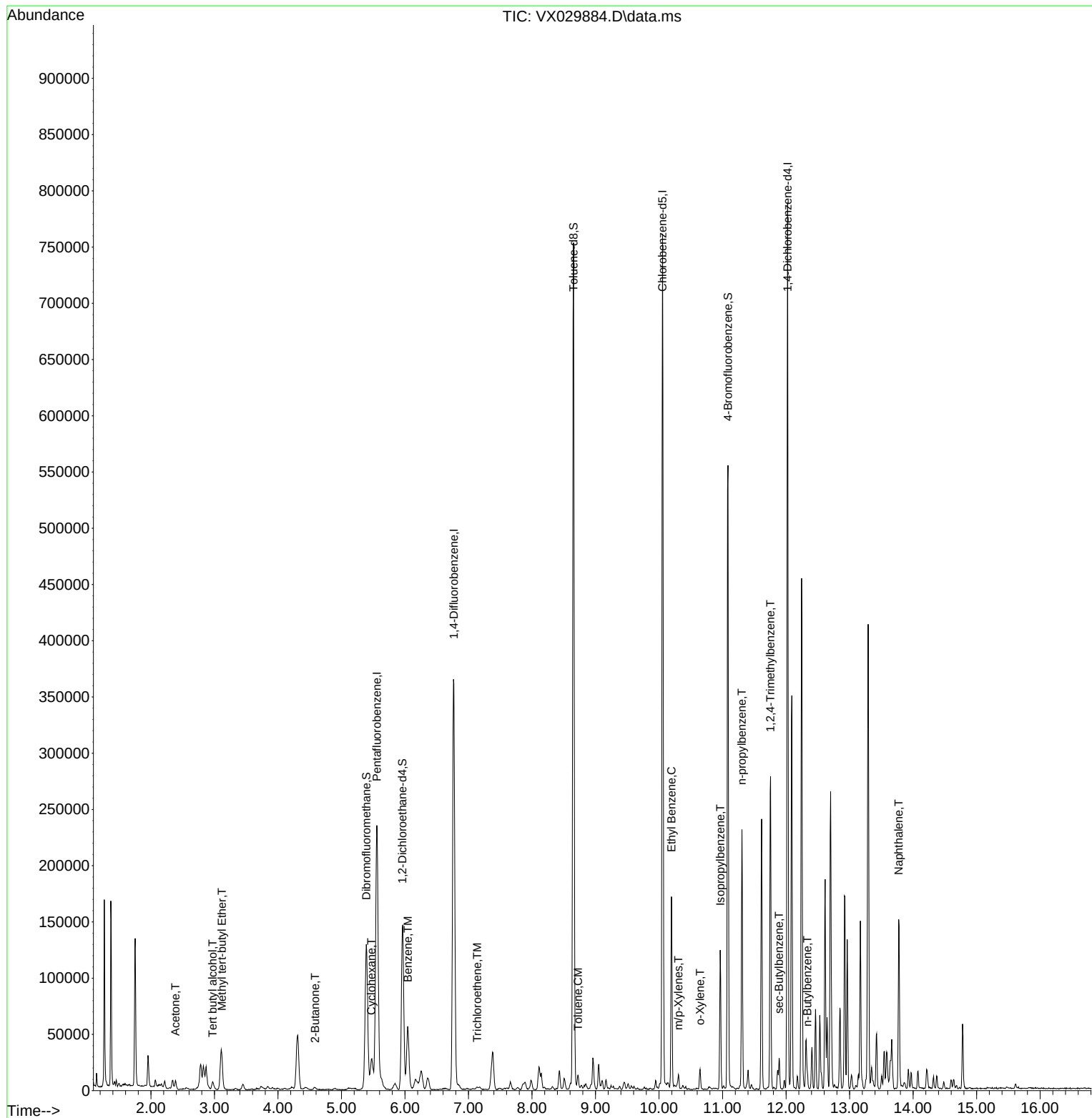
Target Compounds						Qvalue
11) Tert butyl alcohol	2.971	59	8336	10.927	ug/l #	94
16) Acetone	2.386	43	7986	5.596	ug/l	88
19) Methyl tert-butyl Ether	3.117	73	15859	1.979	ug/l #	1
25) 2-Butanone	4.586	43	4045	1.633	ug/l #	74
31) Cyclohexane	5.470	56	19108	4.698	ug/l	93
40) Benzene	6.044	78	68521	6.428	ug/l	91
44) Trichloroethene	7.135	130	946	0.330	ug/l	82
52) Toluene	8.726	92	4603	0.716	ug/l	95
67) Ethyl Benzene	10.195	91	94761	7.809	ug/l	94
68) m/p-Xylenes	10.305	106	3025	0.650	ug/l	92
69) o-Xylene	10.646	106	3746	0.795	ug/l	95
73) Isopropylbenzene	10.963	105	61116	5.353	ug/l	96
78) n-propylbenzene	11.305	91	137286	10.195	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	124058	13.066	ug/l	100
85) sec-Butylbenzene	11.890	105	15141	1.279	ug/l	99
89) n-Butylbenzene	12.335	91	10219	1.151	ug/l #	70
95) Naphthalene	13.774	128	95473	7.491	ug/l	99

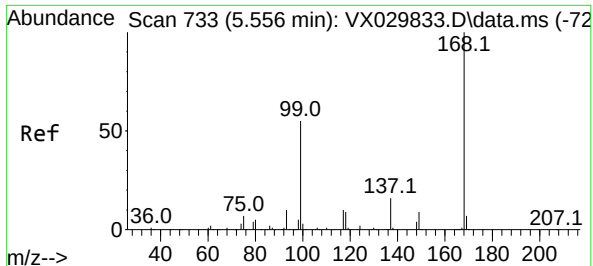
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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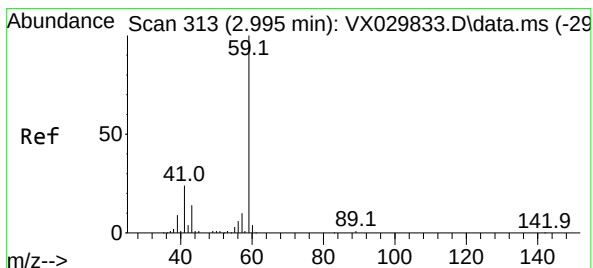
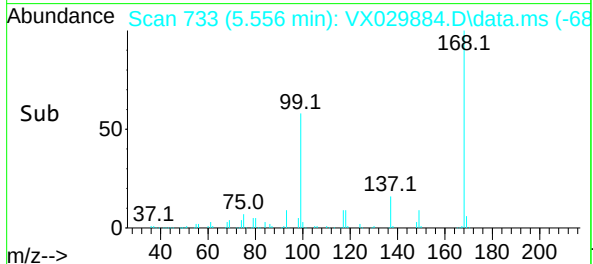
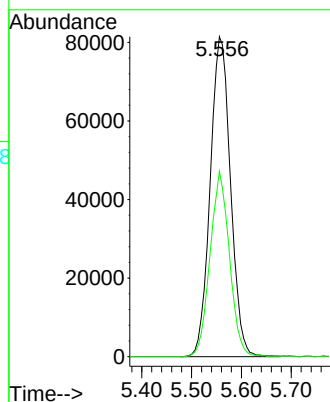
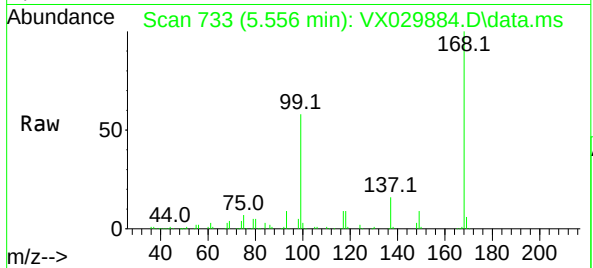




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

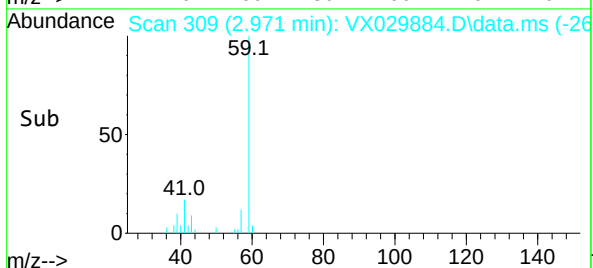
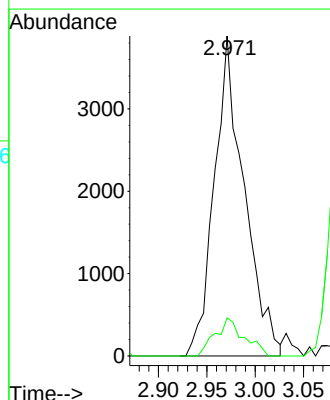
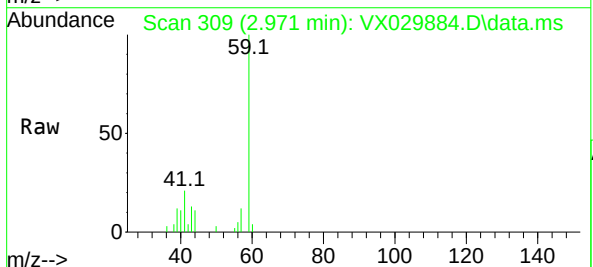
Instrument :
MSVOA_X
ClientSampleId :
MW-16

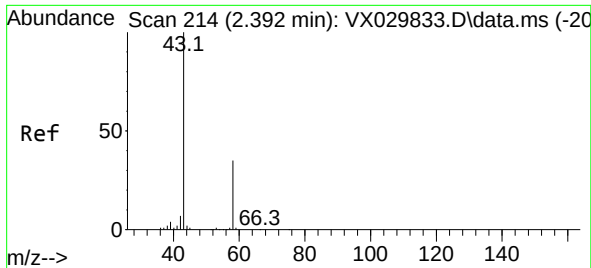
Tgt Ion:168 Resp: 230454
Ion Ratio Lower Upper
168 100
99 58.0 44.0 66.0



#11
Tert butyl alcohol
Concen: 10.927 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

Tgt Ion: 59 Resp: 8336
Ion Ratio Lower Upper
59 100
57 11.4 7.4 11.2#

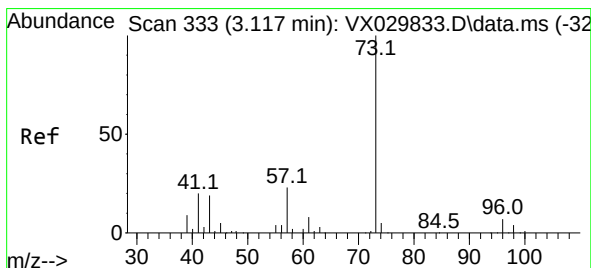
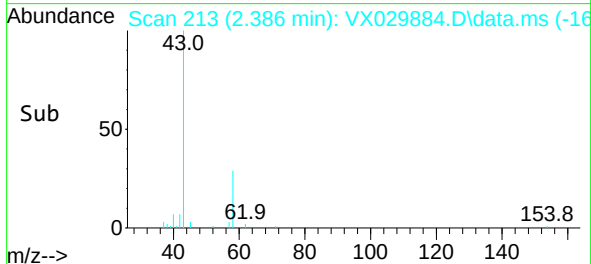
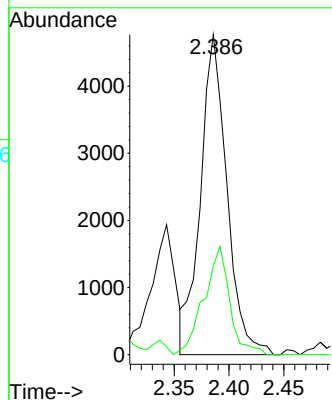
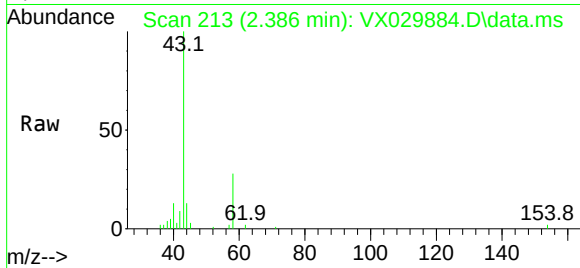




#16
Acetone
Concen: 5.596 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

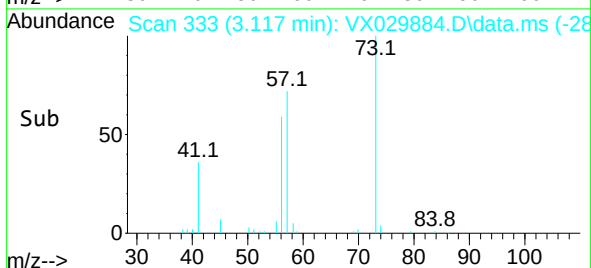
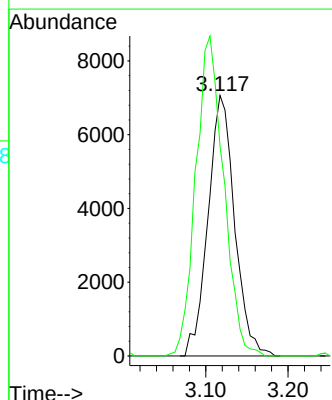
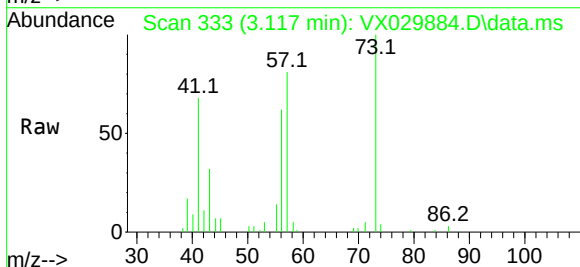
Instrument :
MSVOA_X
ClientSampleId :
MW-16

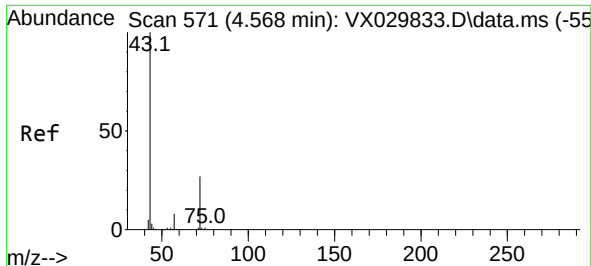
Tgt Ion: 43 Resp: 7986
Ion Ratio Lower Upper
43 100
58 27.8 27.7 41.5



#19
Methyl tert-butyl Ether
Concen: 1.979 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

Tgt Ion: 73 Resp: 15859
Ion Ratio Lower Upper
73 100
57 80.6 19.0 28.6#

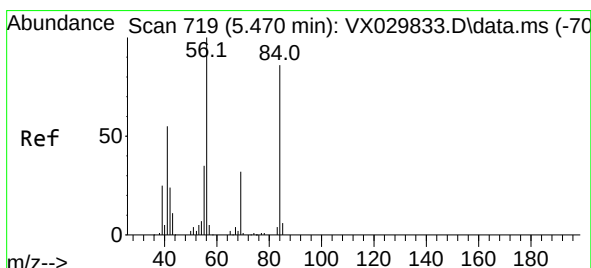
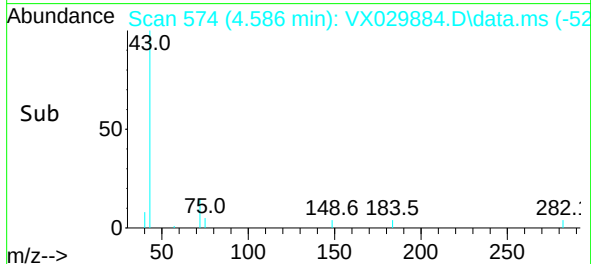
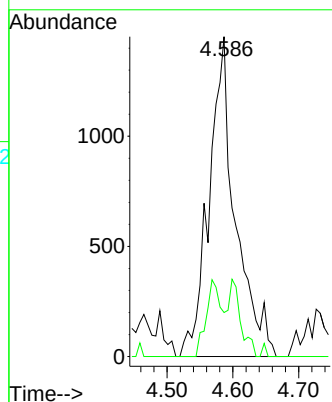
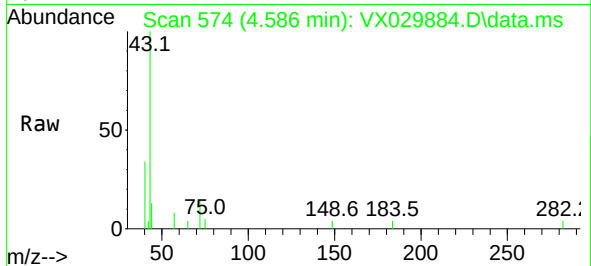




#25
2-Butanone
Concen: 1.633 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

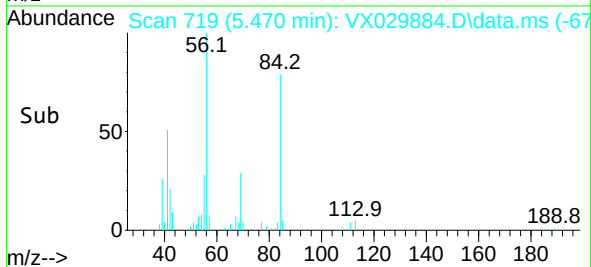
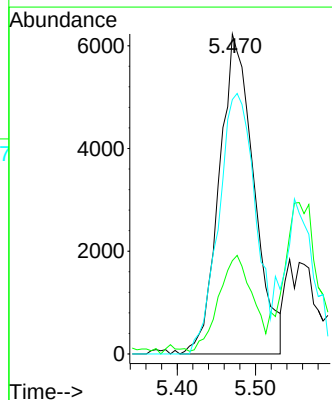
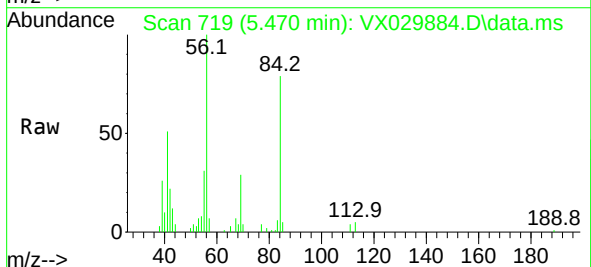
Instrument :
MSVOA_X
ClientSampleId :
MW-16

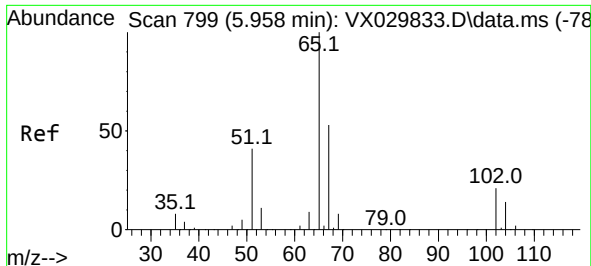
Tgt Ion: 43 Resp: 4045
Ion Ratio Lower Upper
43 100
72 13.8 21.7 32.5#



#31
Cyclohexane
Concen: 4.698 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

Tgt Ion: 56 Resp: 19108
Ion Ratio Lower Upper
56 100
69 27.7 25.4 38.0
84 79.5 68.9 103.3





#33

1,2-Dichloroethane-d4

Concen: 44.689 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029884.D

Acq: 30 Jun 2022 01:20

Instrument :

MSVOA_X

ClientSampleId :

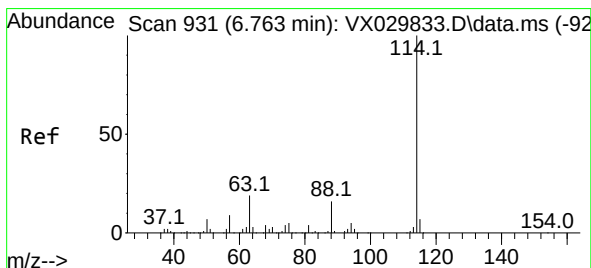
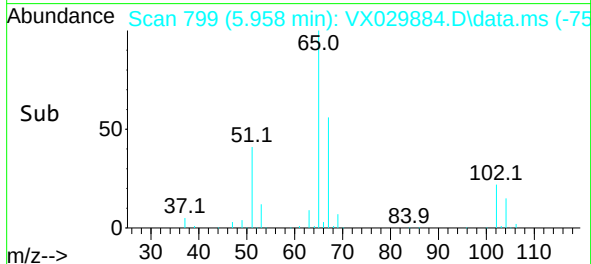
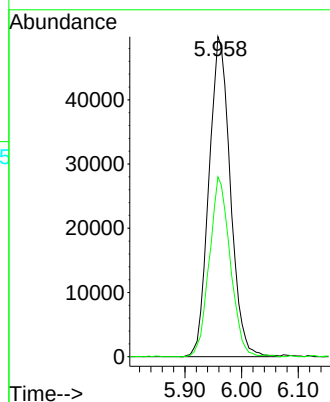
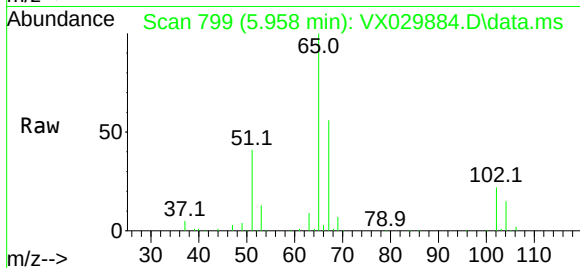
MW-16

Tgt Ion: 65 Resp: 130364

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029884.D

Acq: 30 Jun 2022 01:20

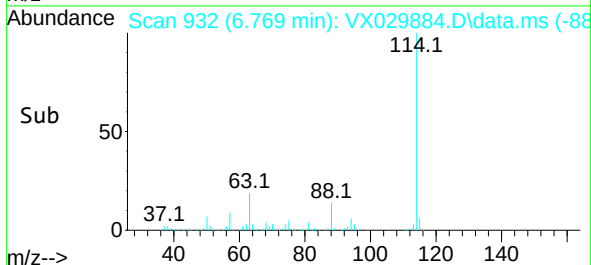
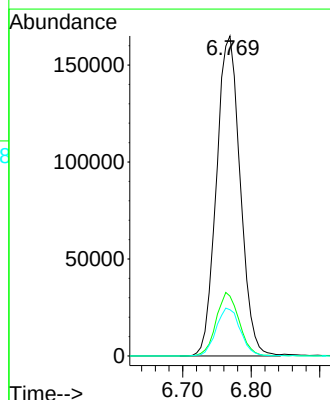
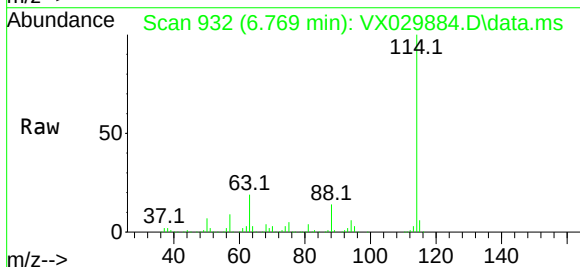
Tgt Ion: 114 Resp: 396586

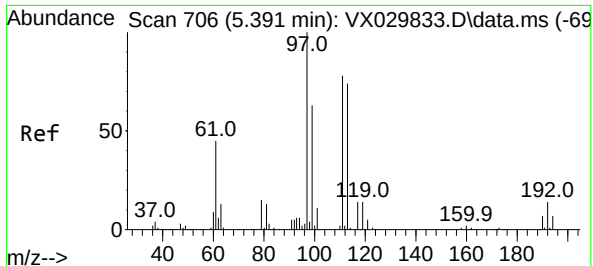
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 14.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.143 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029884.D

Acq: 30 Jun 2022 01:20

Instrument :

MSVOA_X

ClientSampleId :

MW-16

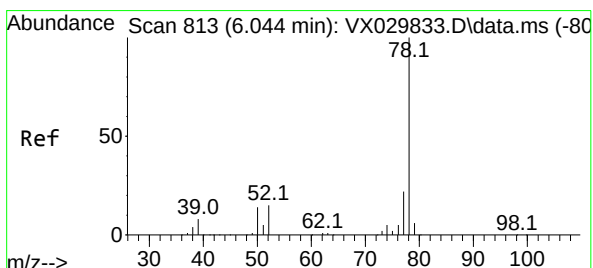
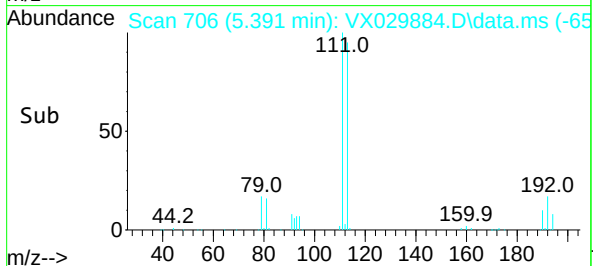
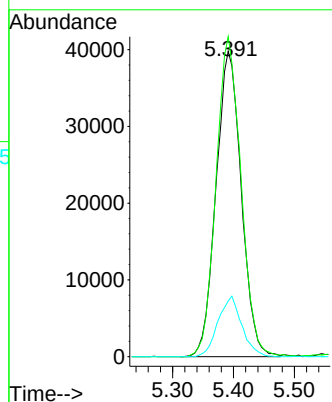
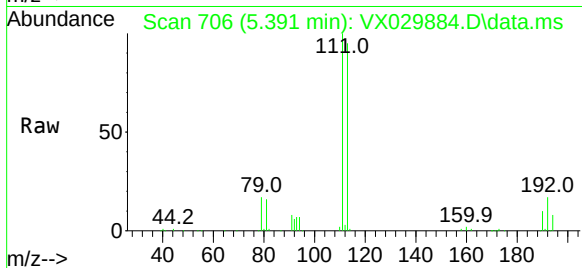
Tgt Ion:113 Resp: 114364

Ion Ratio Lower Upper

113 100

111 103.6 83.2 124.8

192 18.7 14.8 22.2



#40

Benzene

Concen: 6.428 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.000 min

Lab File: VX029884.D

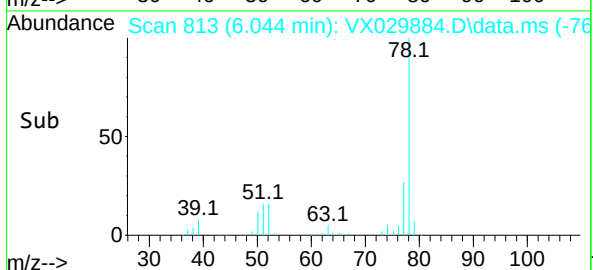
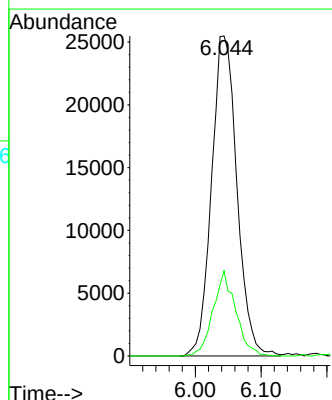
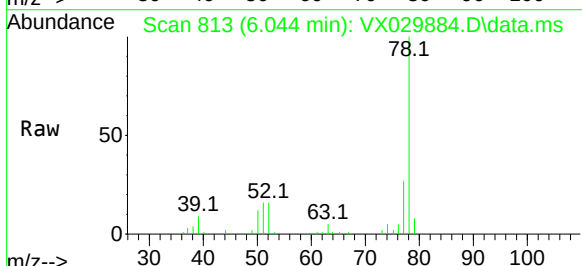
Acq: 30 Jun 2022 01:20

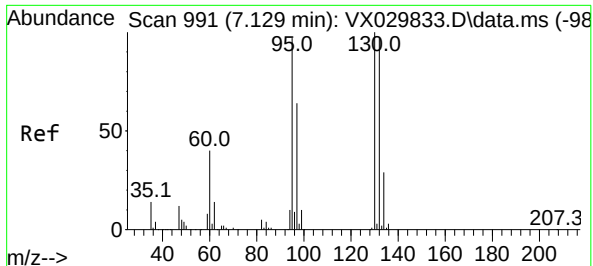
Tgt Ion: 78 Resp: 68521

Ion Ratio Lower Upper

78 100

77 26.6 18.0 27.0

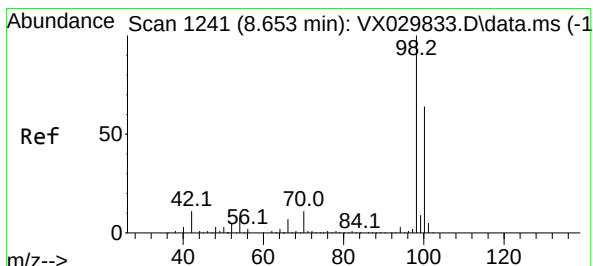
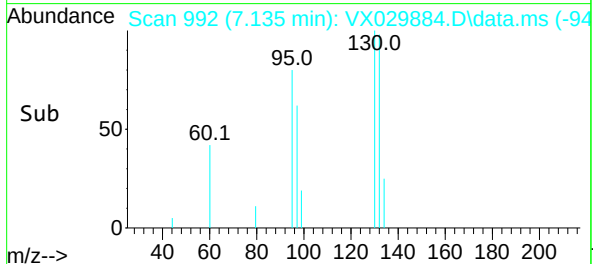
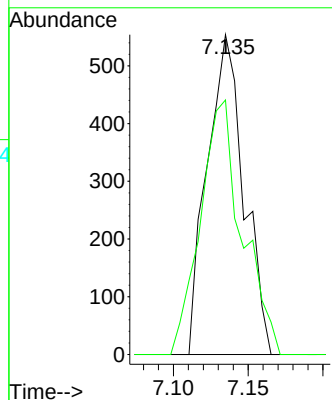
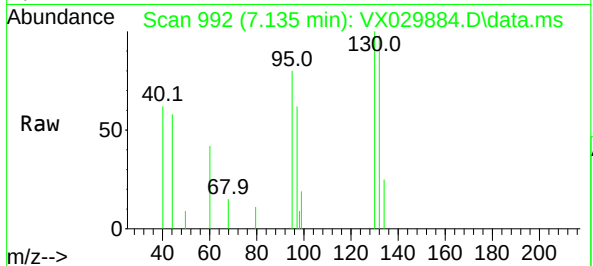




#44
 Trichloroethene
 Concen: 0.330 ug/l
 RT: 7.135 min Scan# 991
 Delta R.T. 0.006 min
 Lab File: VX029884.D
 Acq: 30 Jun 2022 01:20

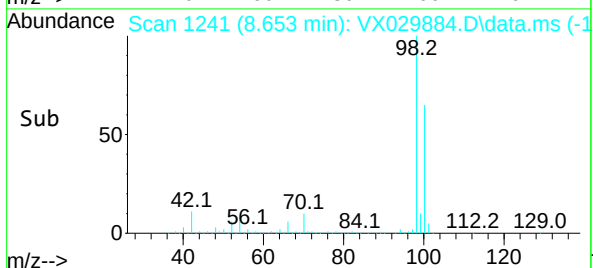
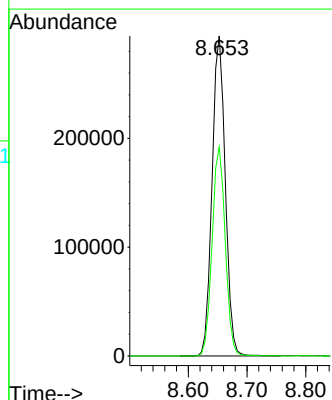
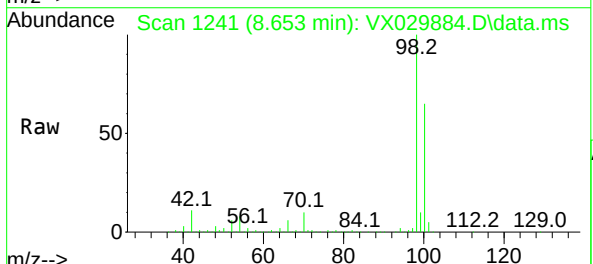
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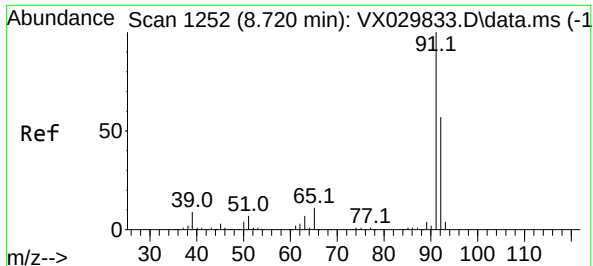
Tgt Ion:130 Resp: 946
 Ion Ratio Lower Upper
 130 100
 95 79.6 0.0 194.8



#50
 Toluene-d8
 Concen: 49.366 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. 0.000 min
 Lab File: VX029884.D
 Acq: 30 Jun 2022 01:20

Tgt Ion: 98 Resp: 459002
 Ion Ratio Lower Upper
 98 100
 100 65.1 52.3 78.5

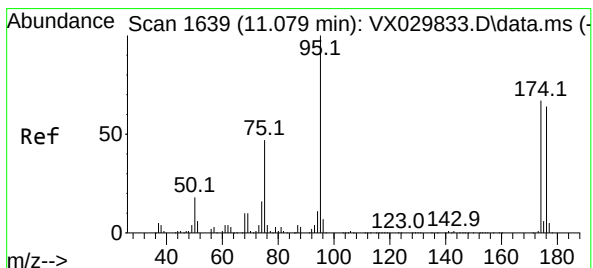
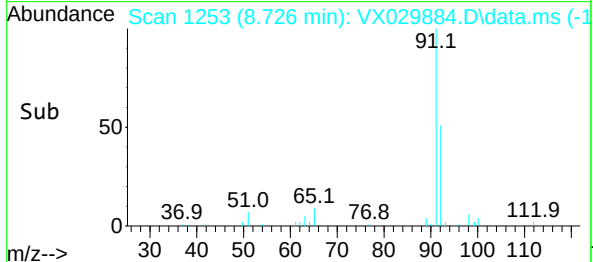
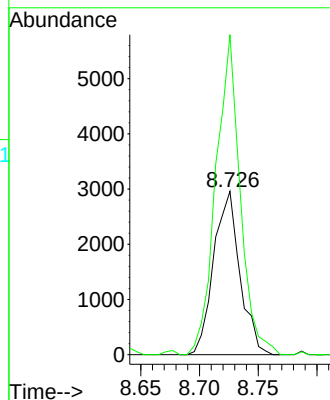
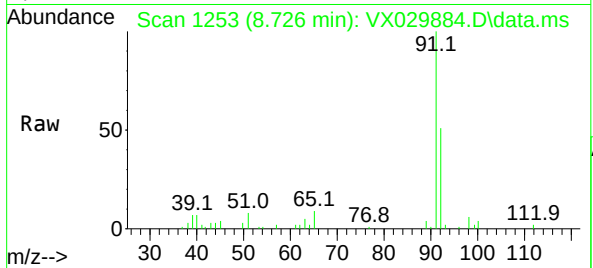




#52
Toluene
Concen: 0.716 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

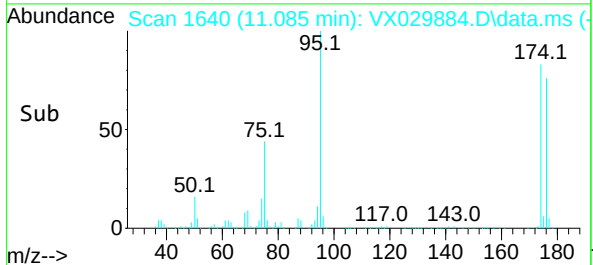
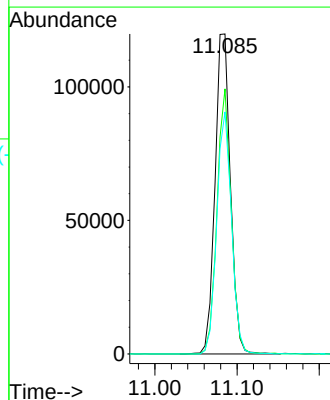
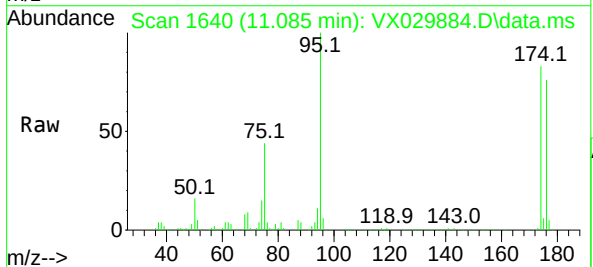
Instrument :
MSVOA_X
ClientSampleId :
MW-16

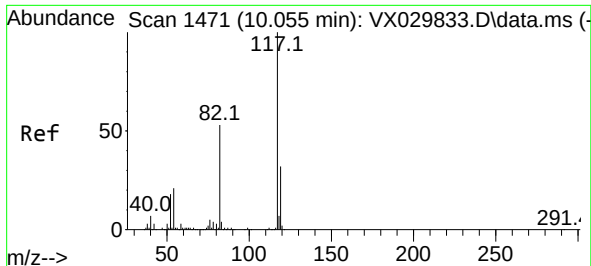
Tgt Ion: 92 Resp: 4603
Ion Ratio Lower Upper
92 100
91 181.4 139.2 208.8



#62
4-Bromofluorobenzene
Concen: 47.546 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

Tgt Ion: 95 Resp: 156269
Ion Ratio Lower Upper
95 100
174 76.4 0.0 149.0
176 72.3 0.0 146.0

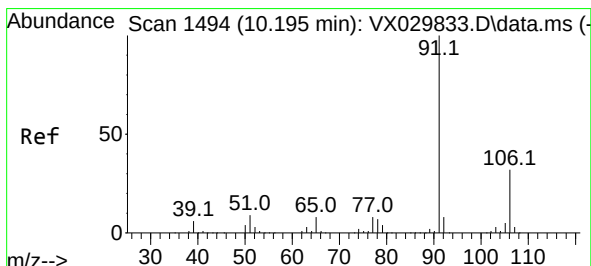
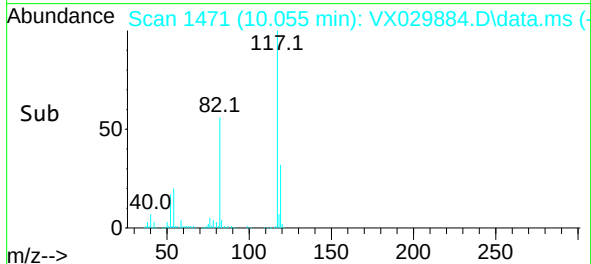
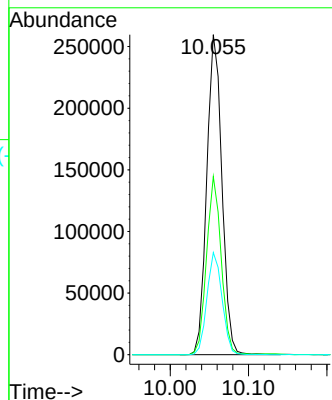
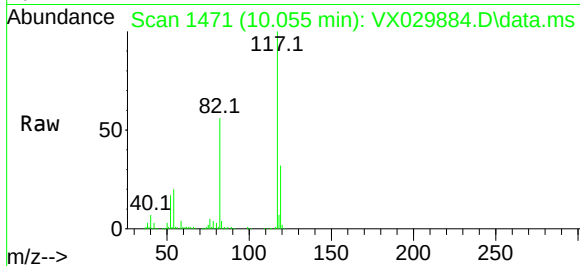




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

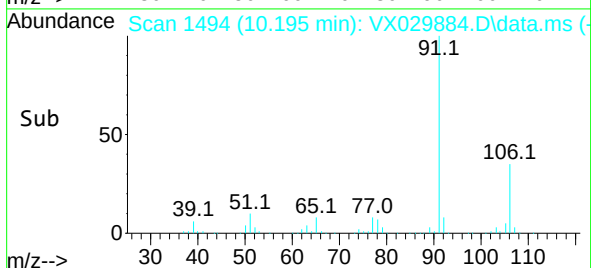
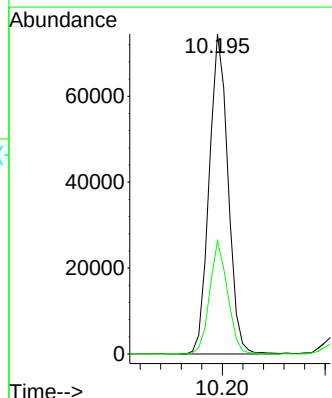
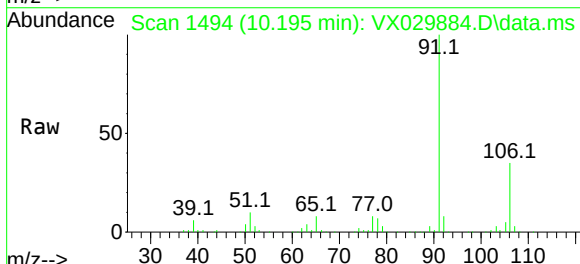
Instrument :
MSVOA_X
ClientSampleId :
MW-16

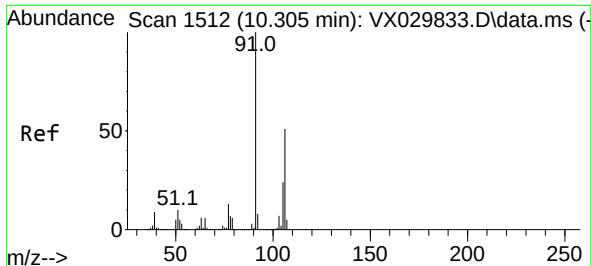
Tgt Ion:117 Resp: 347539
Ion Ratio Lower Upper
117 100
82 55.6 42.7 64.1
119 31.9 25.4 38.2



#67
Ethyl Benzene
Concen: 7.809 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

Tgt Ion: 91 Resp: 94761
Ion Ratio Lower Upper
91 100
106 35.4 25.5 38.3

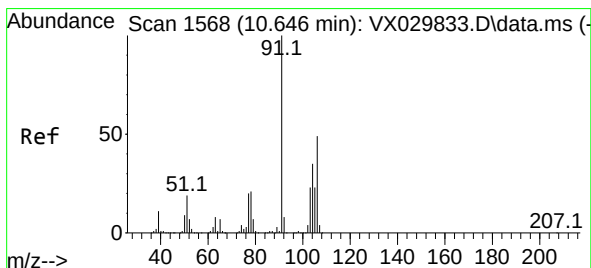
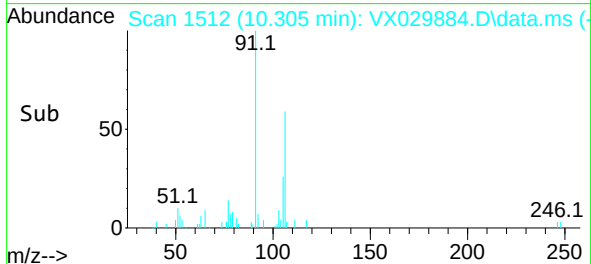
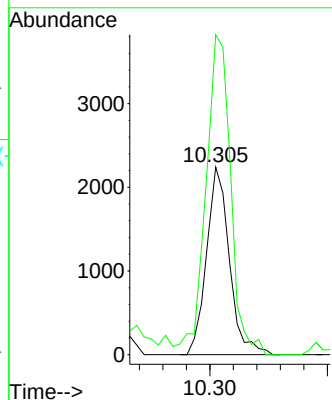
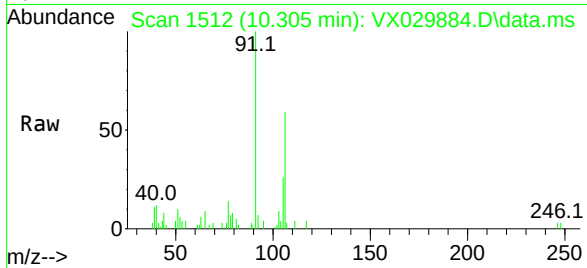




#68
m/p-Xylenes
Concen: 0.650 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

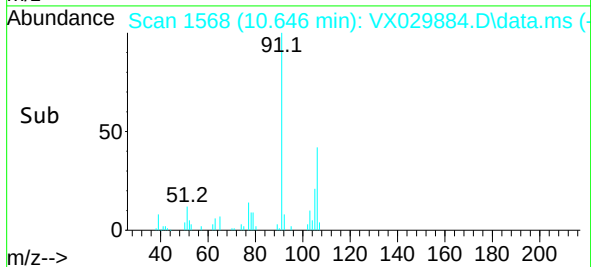
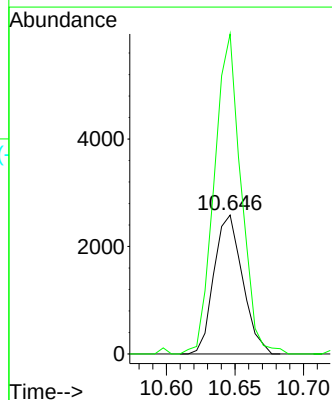
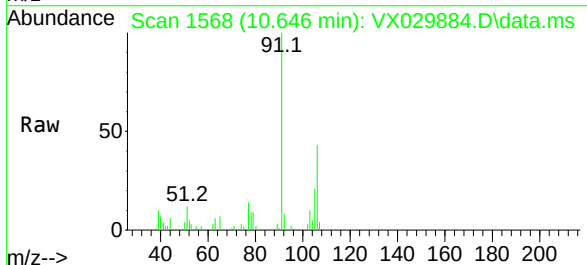
Instrument :
MSVOA_X
ClientSampleId :
MW-16

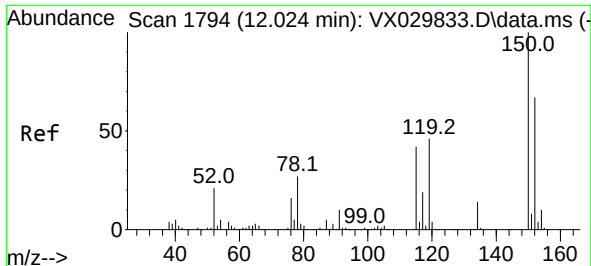
Tgt Ion:106 Resp: 3025
Ion Ratio Lower Upper
106 100
91 185.3 158.2 237.4



#69
o-Xylene
Concen: 0.795 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

Tgt Ion:106 Resp: 3746
Ion Ratio Lower Upper
106 100
91 215.6 103.8 311.6

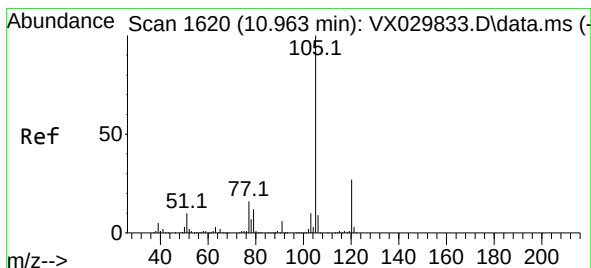
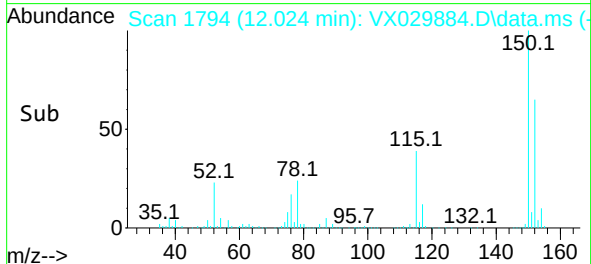
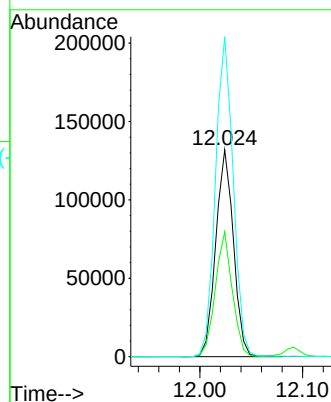
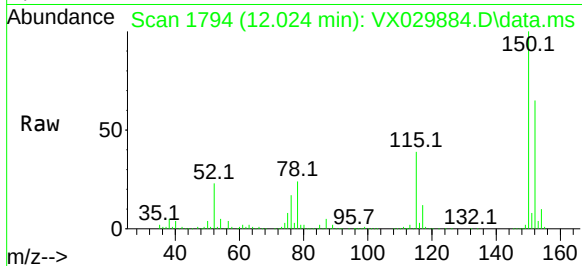




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

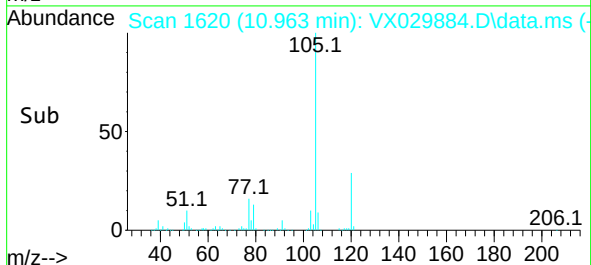
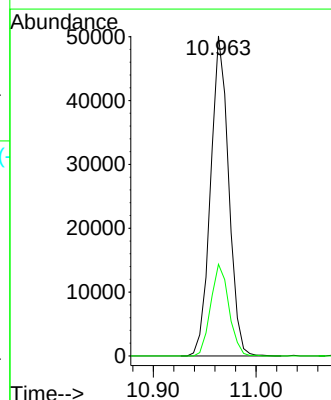
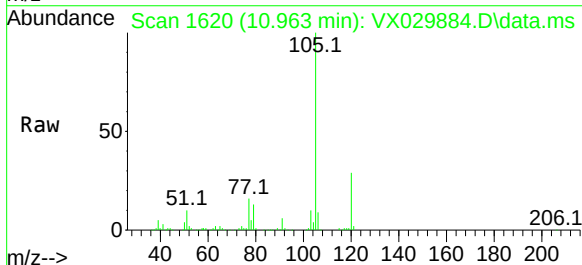
Instrument :
MSVOA_X
ClientSampleId :
MW-16

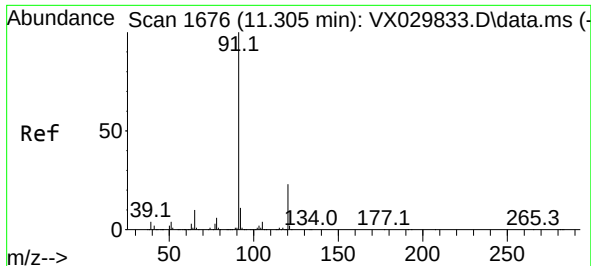
Tgt Ion:152 Resp: 157788
Ion Ratio Lower Upper
152 100
115 58.0 40.5 121.5
150 155.4 0.0 347.0



#73
Isopropylbenzene
Concen: 5.353 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

Tgt Ion:105 Resp: 61116
Ion Ratio Lower Upper
105 100
120 28.8 13.5 40.4

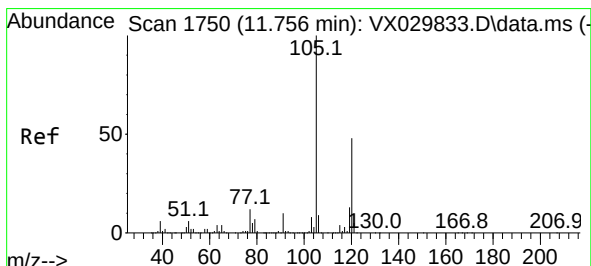
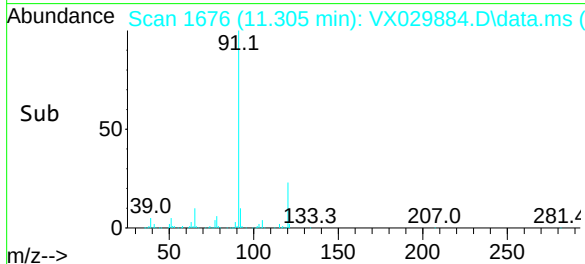
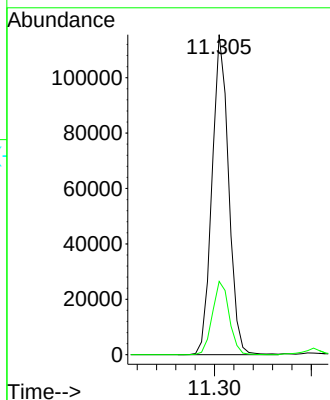
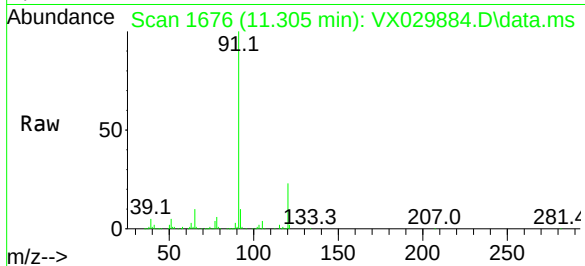




#78
n-propylbenzene
Concen: 10.195 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

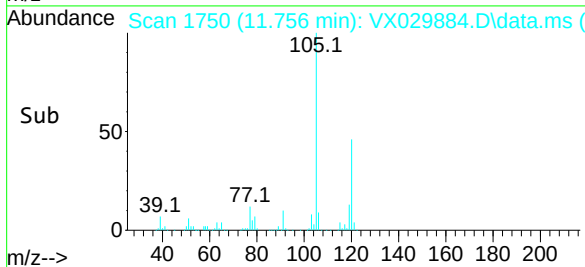
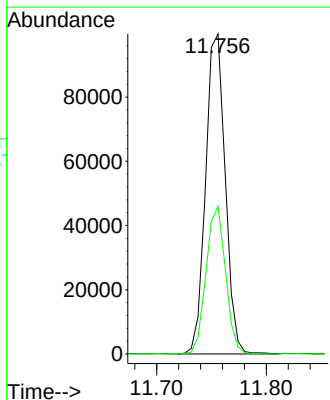
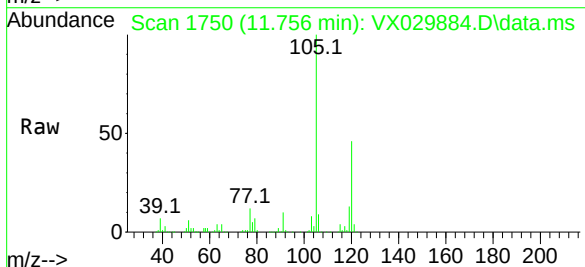
Instrument :
MSVOA_X
ClientSampleId :
MW-16

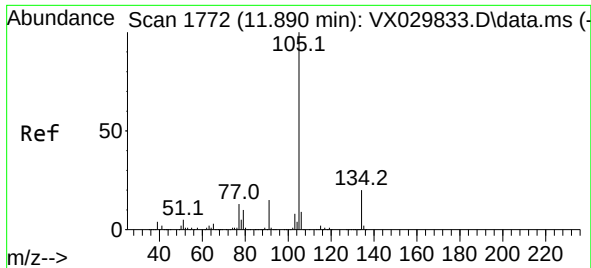
Tgt Ion: 91 Resp: 137286
Ion Ratio Lower Upper
91 100
120 23.3 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 13.066 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX029884.D
Acq: 30 Jun 2022 01:20

Tgt Ion: 105 Resp: 124058
Ion Ratio Lower Upper
105 100
120 45.7 22.9 68.8

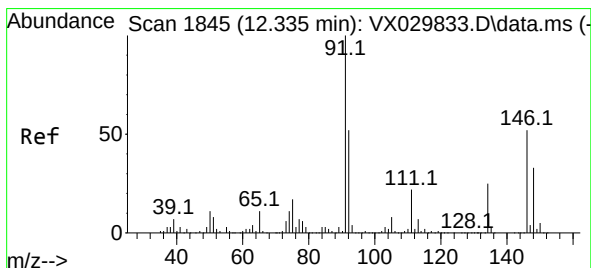
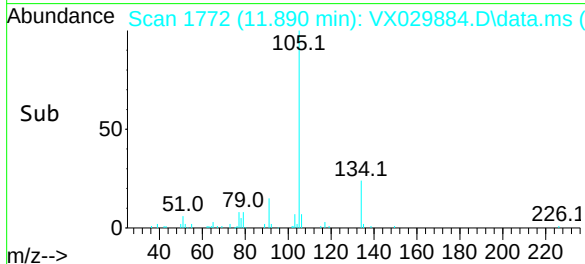
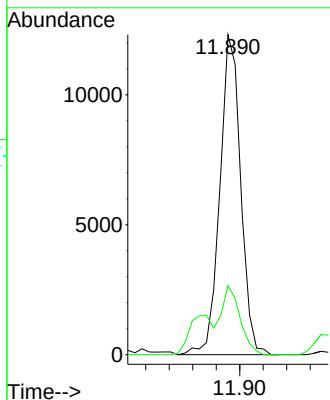
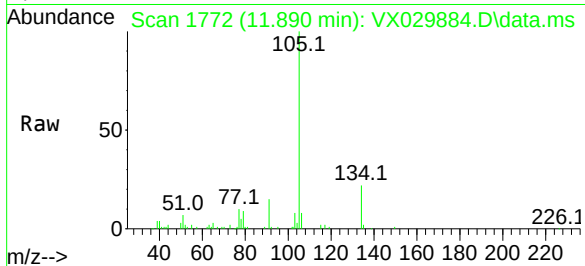




#85
 sec-Butylbenzene
 Concen: 1.279 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029884.D
 Acq: 30 Jun 2022 01:20

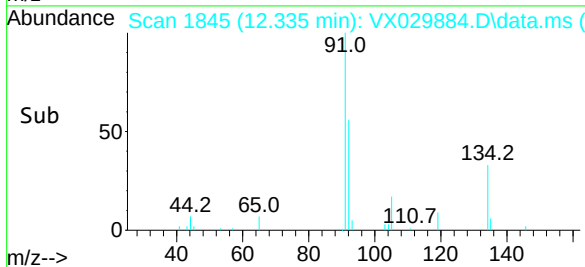
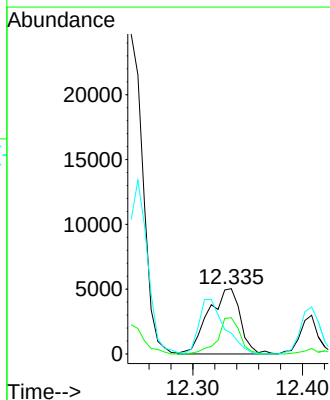
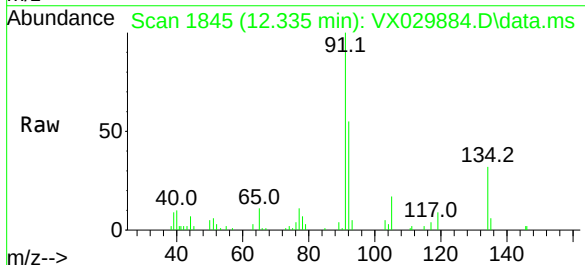
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16

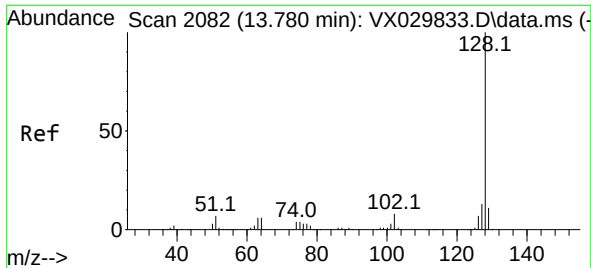
Tgt Ion: 105 Resp: 15141
 Ion Ratio Lower Upper
 105 100
 134 19.3 10.0 30.0



#89
 n-Butylbenzene
 Concen: 1.151 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX029884.D
 Acq: 30 Jun 2022 01:20

Tgt Ion: 91 Resp: 10219
 Ion Ratio Lower Upper
 91 100
 92 38.4 26.2 78.5
 134 0.0 12.6 37.8#





#95

Naphthalene

Concen: 7.491 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX029884.D

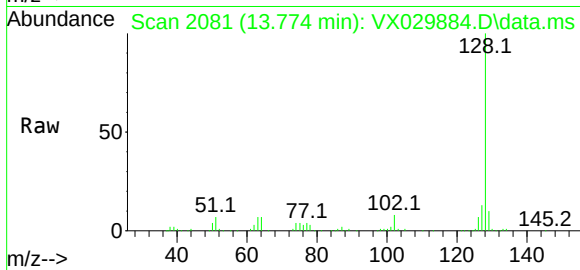
Acq: 30 Jun 2022 01:20

Instrument :

MSVOA_X

ClientSampleId :

MW-16



Tgt Ion:128 Resp: 95473

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.2

129 10.6 8.6 13.0

