

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
 Data File : VX029597.D
 Acq On : 19 Jun 2022 02:40
 Operator : JC/MD
 Sample : N3290-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-32

Quant Time: Jun 20 01:39:48 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)

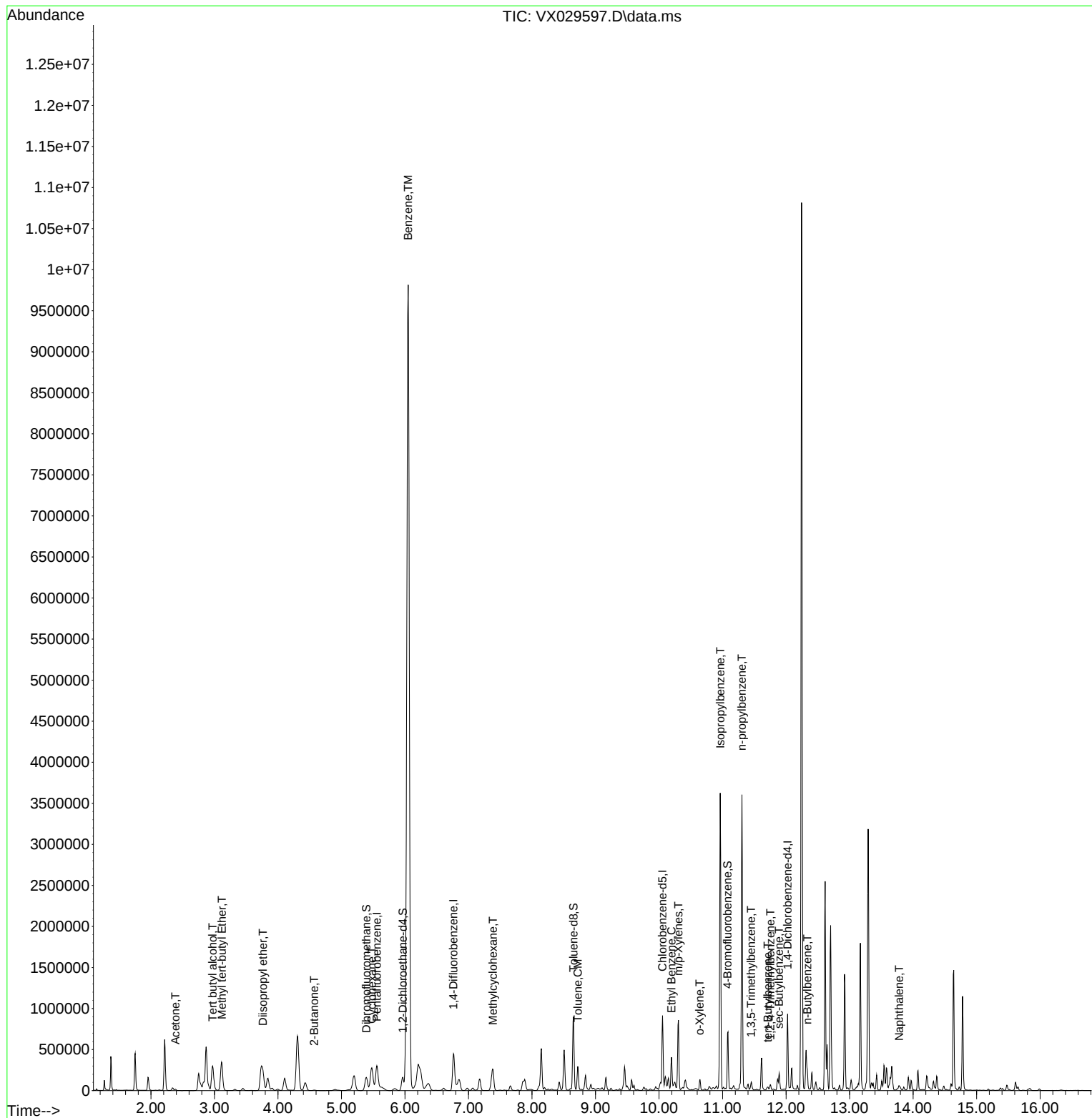
Internal Standards						
1) Pentafluorobenzene	5.556	168	278633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	470191	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	415379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	194982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	161916	43.899	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.800%
35) Dibromofluoromethane	5.391	113	140286	45.783	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.560%
50) Toluene-d8	8.653	98	537795	48.043	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.080%
62) 4-Bromofluorobenzene	11.079	95	205685	48.724	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.440%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	441587	560.905	ug/l	99
16) Acetone	2.386	43	18599	12.651	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	303785	30.998	ug/l #	65
22) Diisopropyl ether	3.763	45	222940	24.727	ug/l #	87
25) 2-Butanone	4.568	43	10831	4.661	ug/l #	87
31) Cyclohexane	5.477	56	200543	40.500	ug/l	97
39) Methylcyclohexane	7.385	83	125190	24.212	ug/l	95
40) Benzene	6.050	78	12360414	1005.469	ug/l	94
52) Toluene	8.720	92	112650	14.310	ug/l	97
67) Ethyl Benzene	10.195	91	233821	15.947	ug/l	99
68) m/p-Xylenes	10.305	106	207401	36.272	ug/l	99
69) o-Xylene	10.640	106	25213	4.463	ug/l	96
73) Isopropylbenzene	10.963	105	1891919	129.411	ug/l	100
78) n-propylbenzene	11.305	91	2160975	131.242	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	36683	2.979	ug/l	99
83) tert-Butylbenzene	11.713	119	7649	0.637	ug/l	74
84) 1,2,4-Trimethylbenzene	11.756	105	28390	2.312	ug/l	99
85) sec-Butylbenzene	11.890	105	101102	6.796	ug/l	98
89) n-Butylbenzene	12.335	91	142034	13.509	ug/l #	65
95) Naphthalene	13.780	128	35601	2.603	ug/l	96

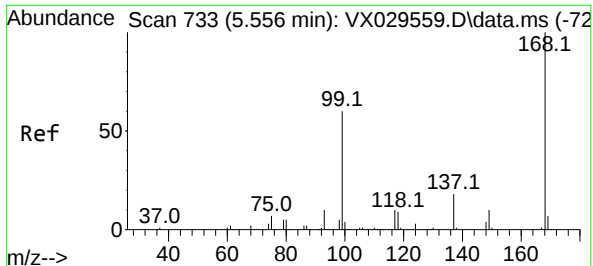
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 20 01:39:48 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

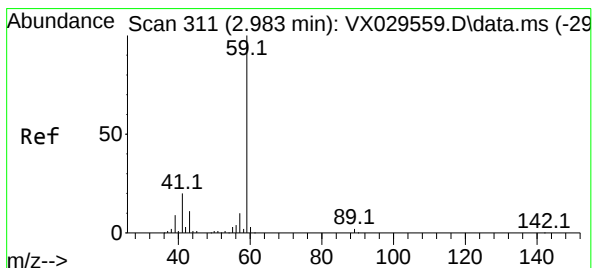
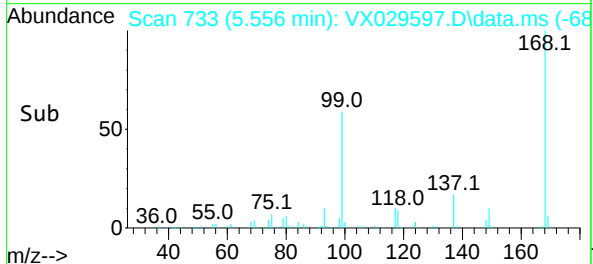
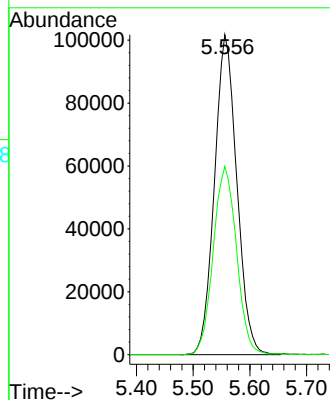
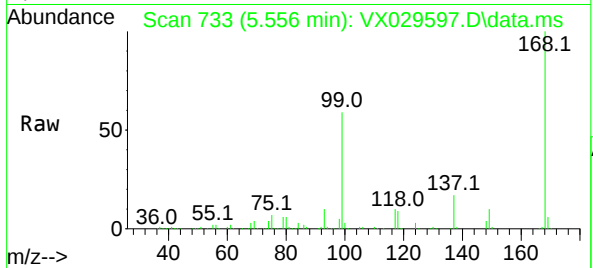




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

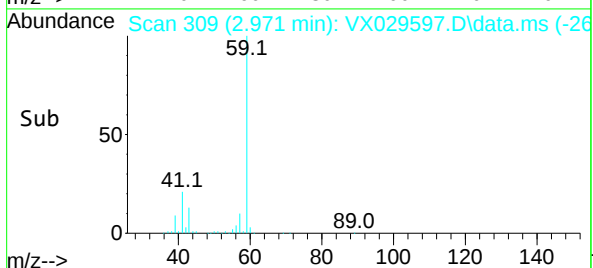
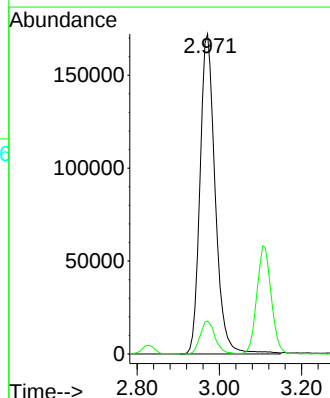
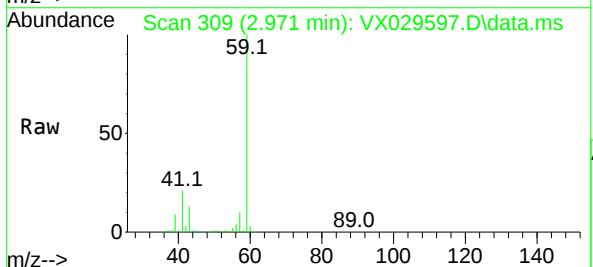
Instrument :
MSVOA_X
ClientSampleId :
MW-32

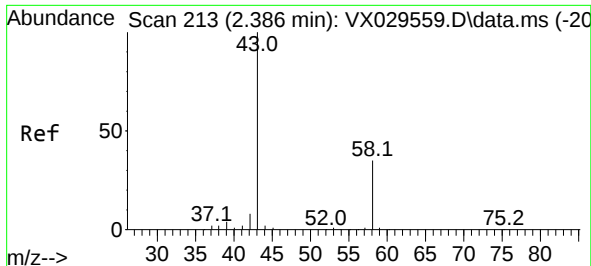
Tgt Ion:168 Resp: 278633
Ion Ratio Lower Upper
168 100
99 58.9 41.7 62.5



#11
Tert butyl alcohol
Concen: 560.905 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

Tgt Ion: 59 Resp: 441587
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5

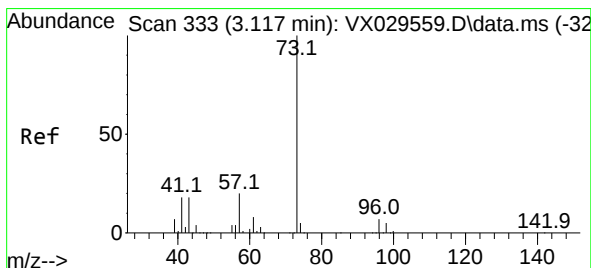
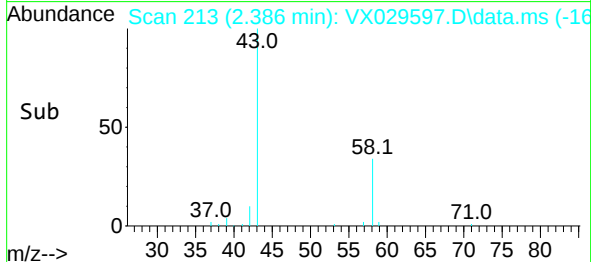
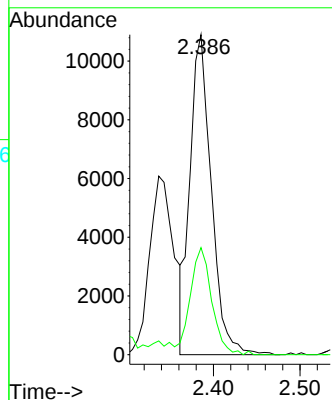
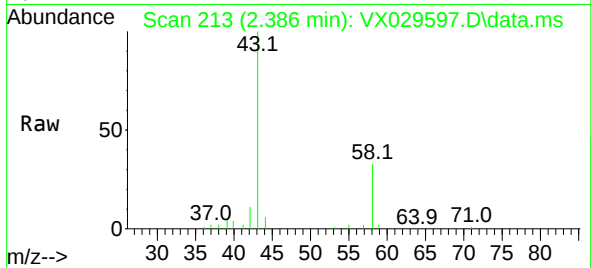




#16
Acetone
Concen: 12.651 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

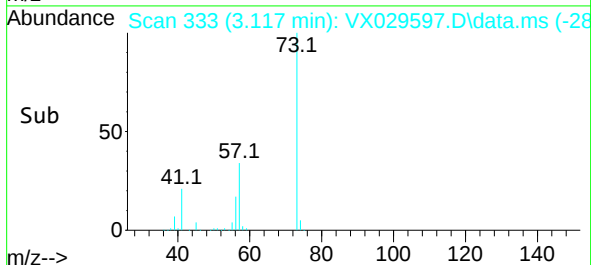
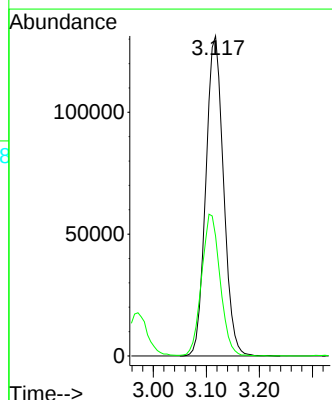
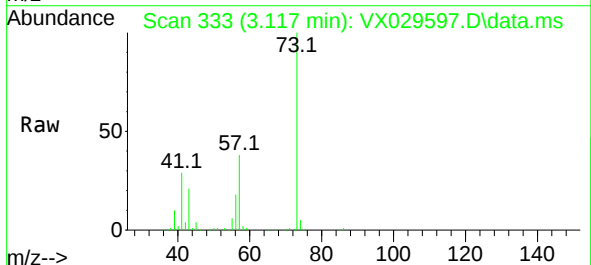
Instrument :
MSVOA_X
ClientSampleId :
MW-32

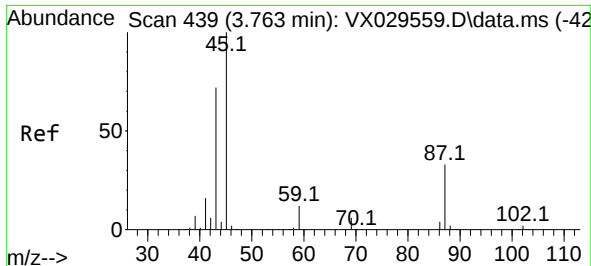
Tgt Ion: 43 Resp: 18599
Ion Ratio Lower Upper
43 100
58 33.4 28.8 43.2



#19
Methyl tert-butyl Ether
Concen: 30.998 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

Tgt Ion: 73 Resp: 303785
Ion Ratio Lower Upper
73 100
57 37.5 16.8 25.2#

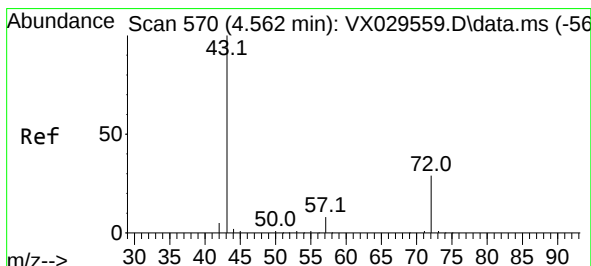
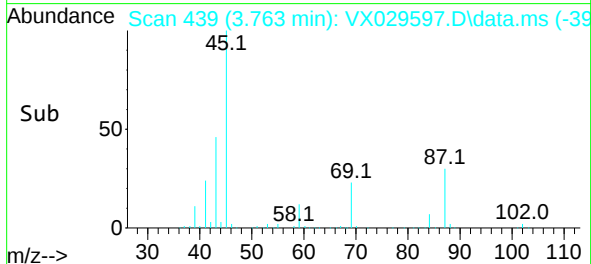
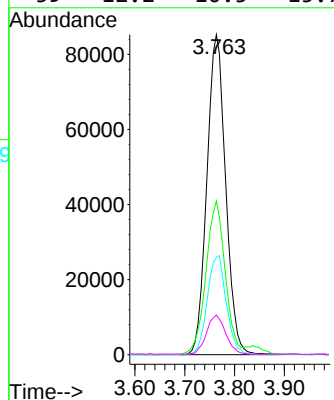
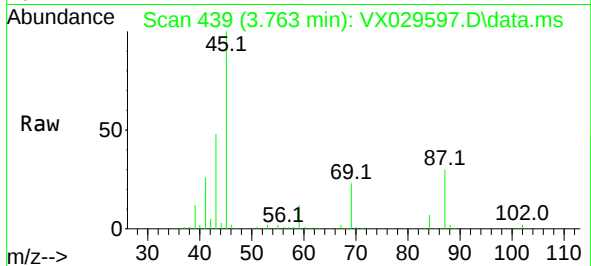




#22
Diisopropyl ether
Concen: 24.727 ug/l
RT: 3.763 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

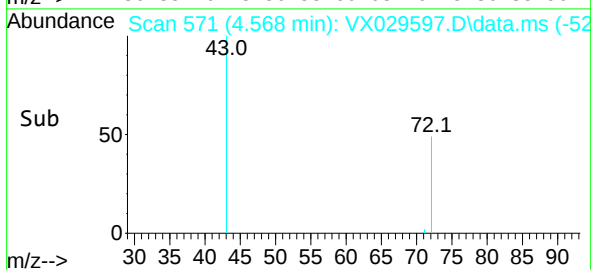
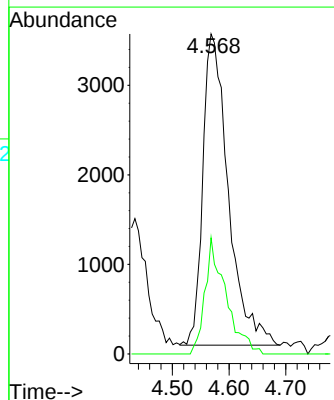
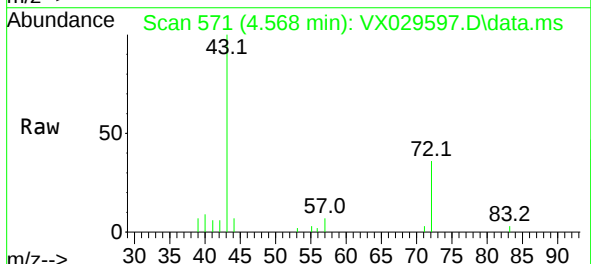
Instrument :
MSVOA_X
ClientSampleId :
MW-32

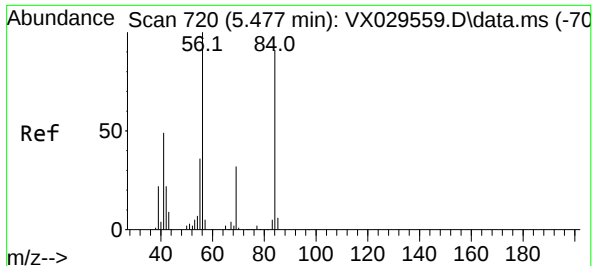
Tgt Ion: 45 Resp: 222940
Ion Ratio Lower Upper
45 100
43 47.9 50.8 76.2#
87 30.4 26.6 39.8
59 12.2 10.5 15.7



#25
2-Butanone
Concen: 4.661 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

Tgt Ion: 43 Resp: 10831
Ion Ratio Lower Upper
43 100
72 37.3 24.4 36.6#

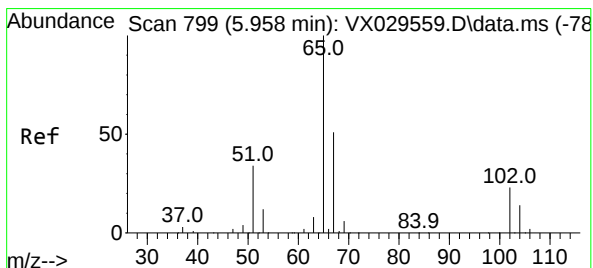
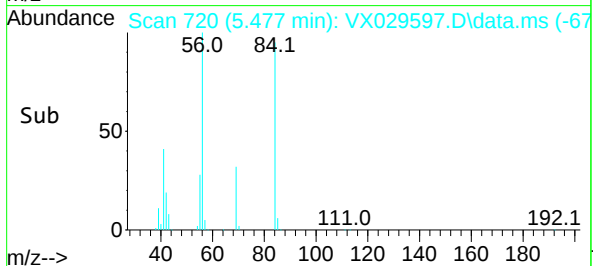
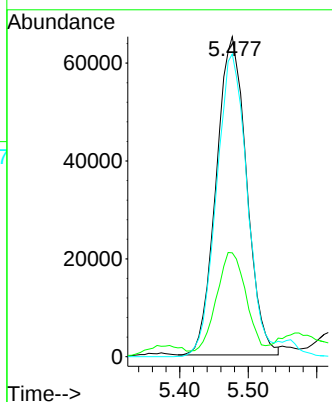
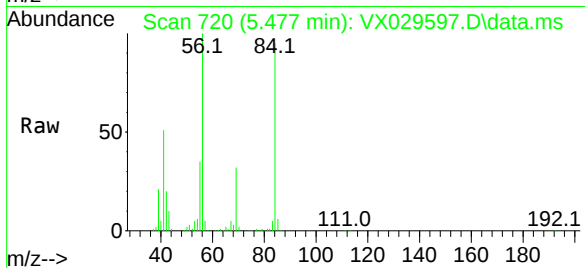




#31
Cyclohexane
Concen: 40.500 ug/l
RT: 5.477 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

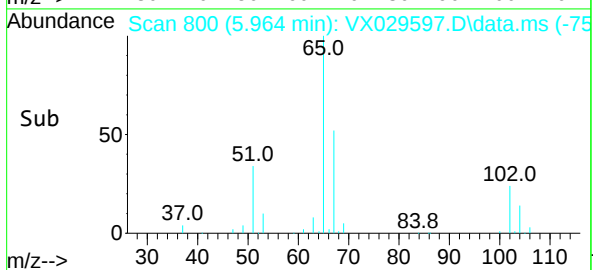
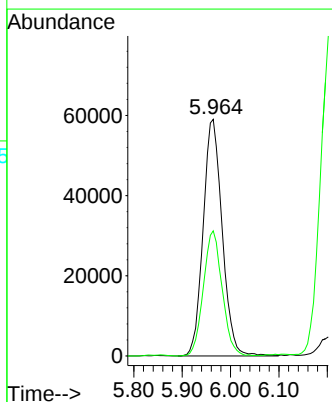
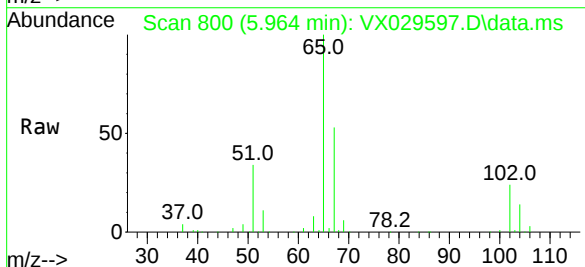
Instrument :
MSVOA_X
ClientSampleId :
MW-32

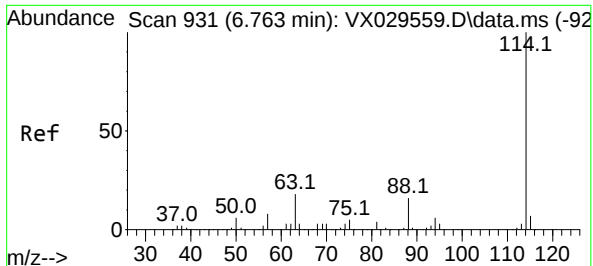
Tgt Ion: 56 Resp: 200543
Ion Ratio Lower Upper
56 100
69 29.9 26.7 40.1
84 95.0 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 43.899 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

Tgt Ion: 65 Resp: 161916
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX029597.D

Acq: 19 Jun 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

MW-32

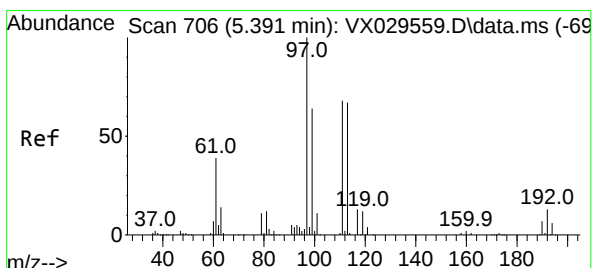
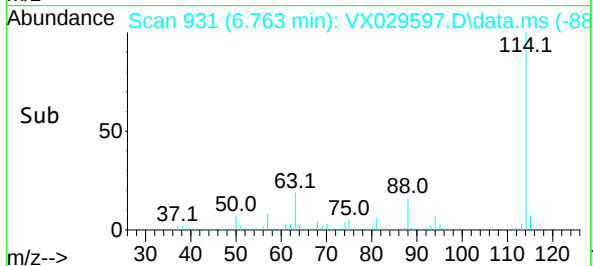
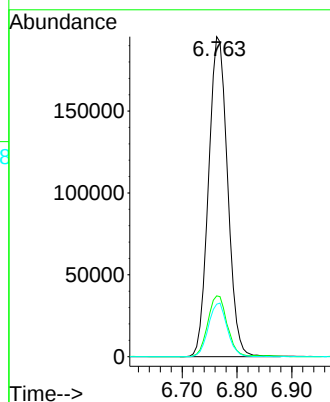
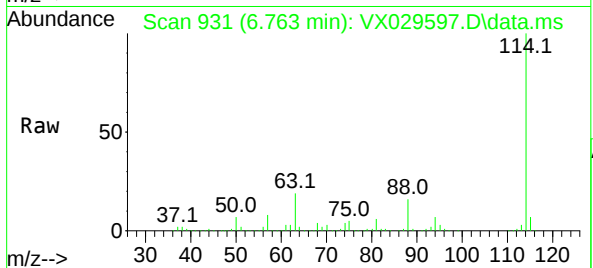
Tgt Ion:114 Resp: 470191

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.8

88 16.4 0.0 32.4



#35

Dibromofluoromethane

Concen: 45.783 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029597.D

Acq: 19 Jun 2022 02:40

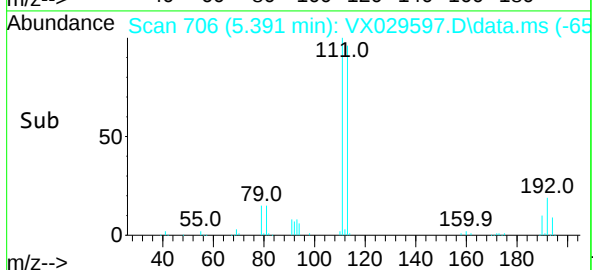
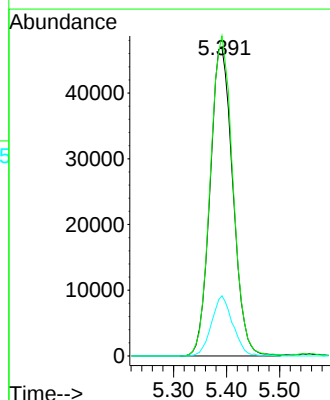
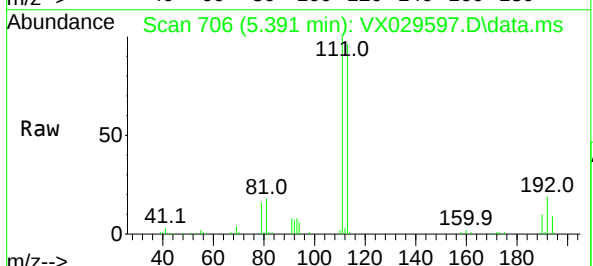
Tgt Ion:113 Resp: 140286

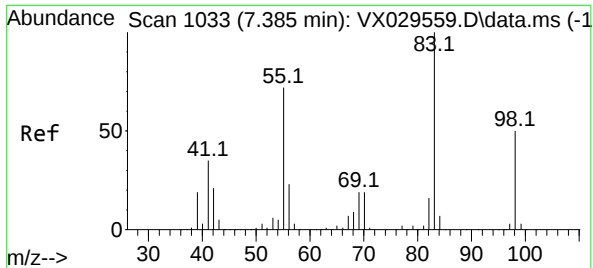
Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 18.1 16.9 25.3

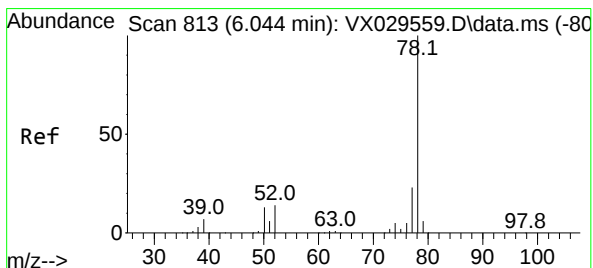
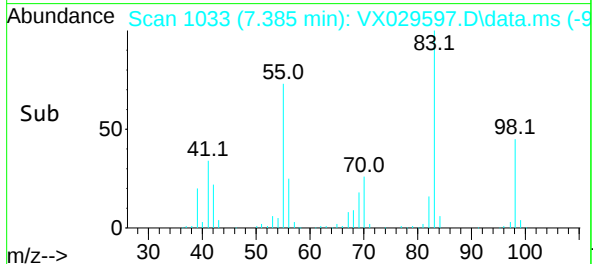
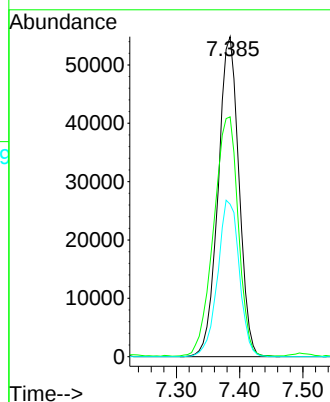
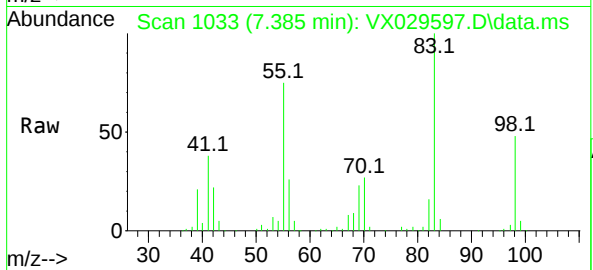




#39
Methylcyclohexane
Concen: 24.212 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

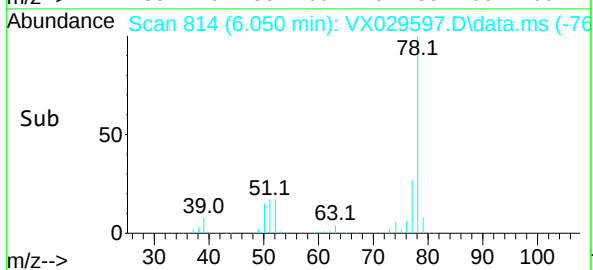
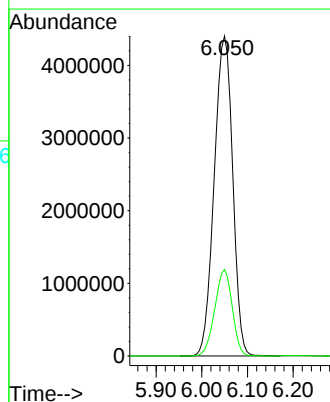
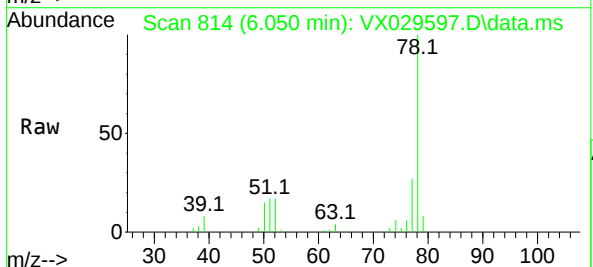
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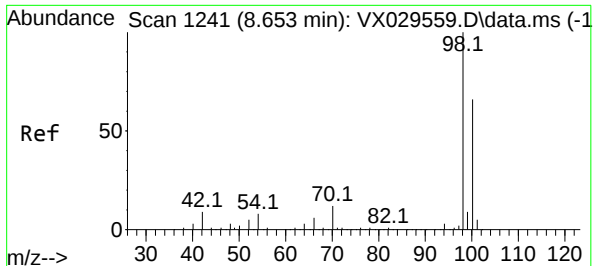
Tgt Ion: 83 Resp: 125190
Ion Ratio Lower Upper
83 100
55 74.7 54.6 81.8
98 47.7 37.4 56.2



#40
Benzene
Concen: 1005.469 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

Tgt Ion: 78 Resp:12360414
Ion Ratio Lower Upper
78 100
77 27.0 19.3 28.9

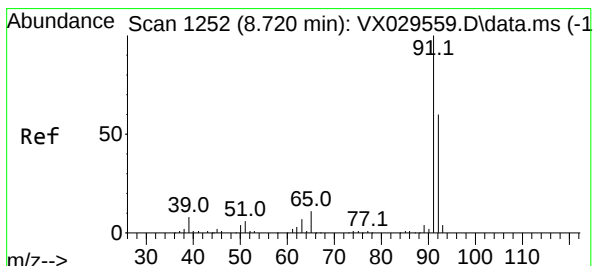
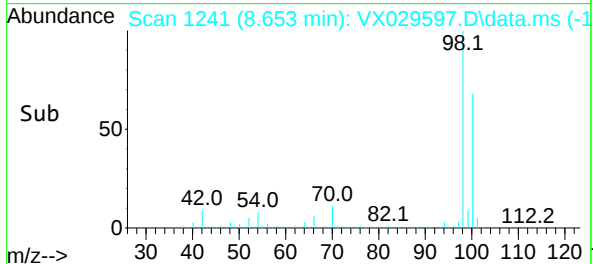
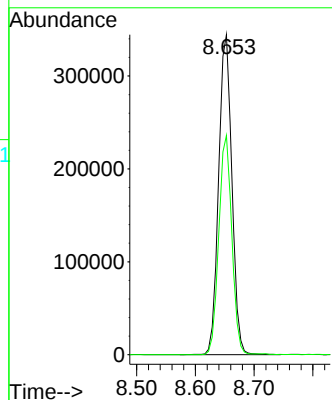
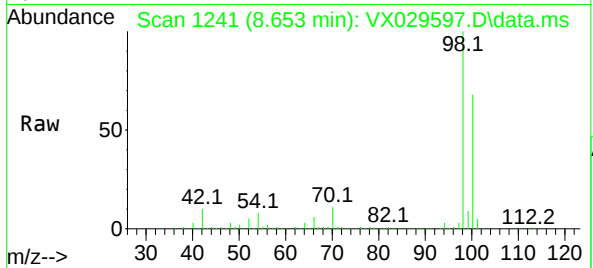




#50
Toluene-d8
Concen: 48.043 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

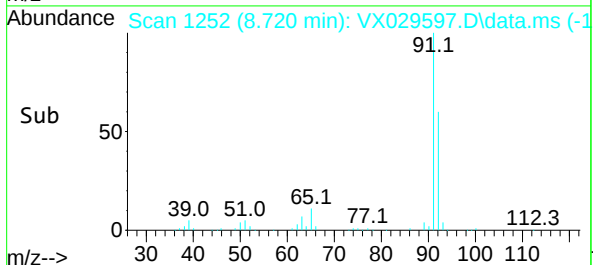
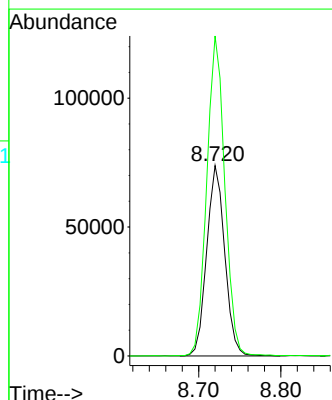
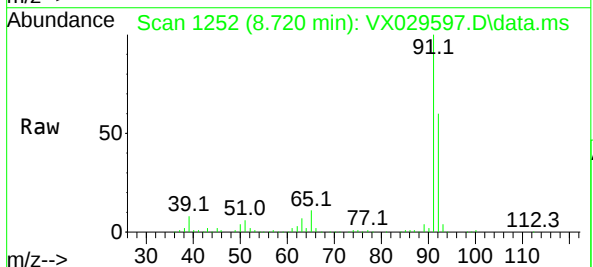
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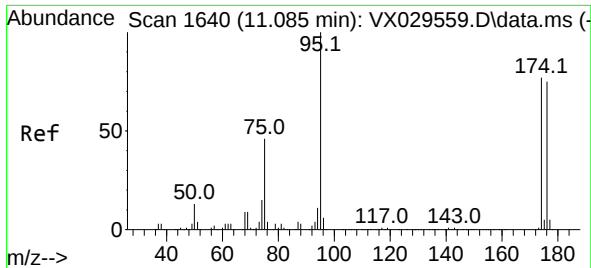
Tgt Ion: 98 Resp: 537795
Ion Ratio Lower Upper
98 100
100 67.3 52.6 78.8



#52
Toluene
Concen: 14.310 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

Tgt Ion: 92 Resp: 112650
Ion Ratio Lower Upper
92 100
91 168.1 137.5 206.3

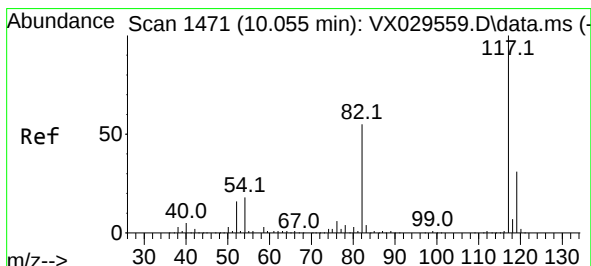
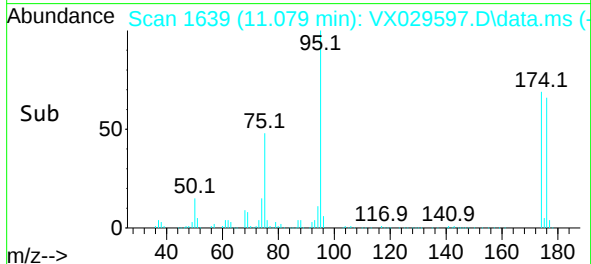
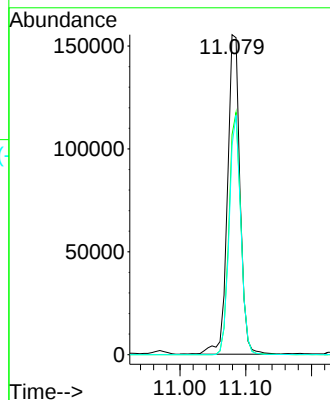
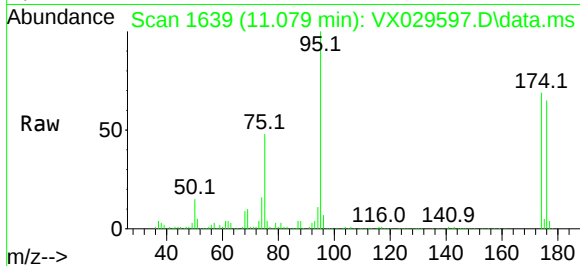




#62
4-Bromofluorobenzene
Concen: 48.724 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

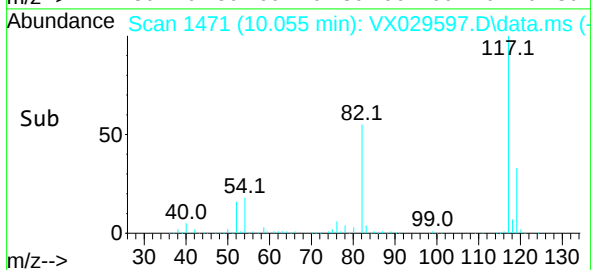
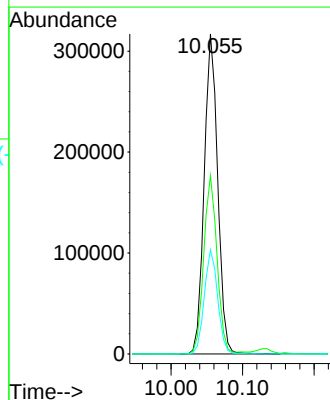
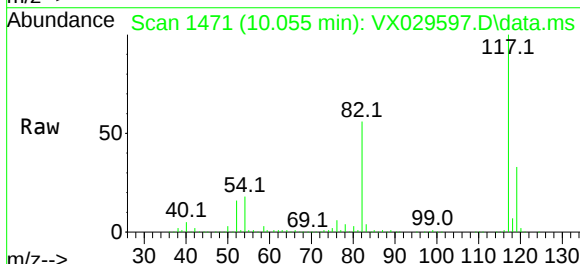
Instrument :
MSVOA_X
ClientSampleId :
MW-32

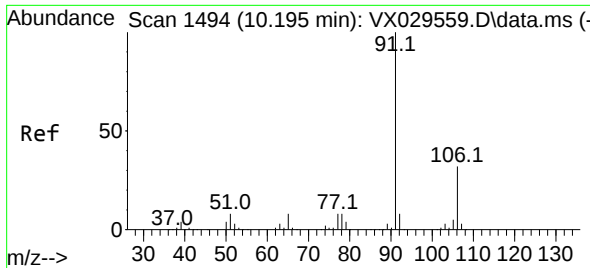
Tgt Ion: 95 Resp: 205685
Ion Ratio Lower Upper
95 100
174 71.9 0.0 163.0
176 69.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

Tgt Ion: 117 Resp: 415379
Ion Ratio Lower Upper
117 100
82 55.7 41.8 62.8
119 32.6 24.8 37.2

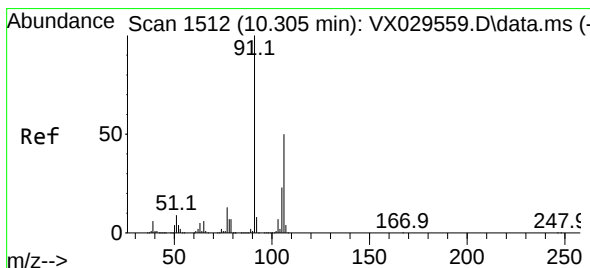
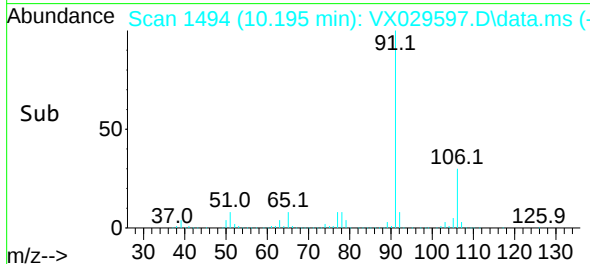
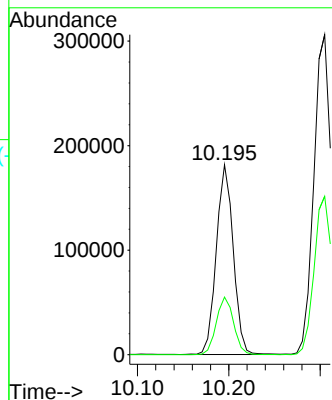
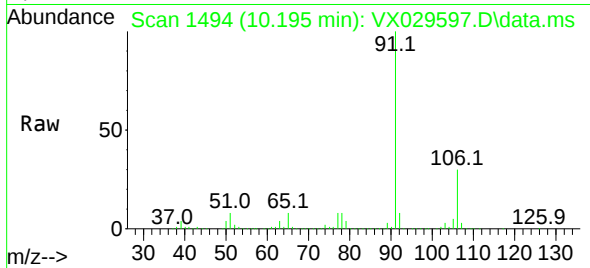




#67
Ethyl Benzene
Concen: 15.947 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

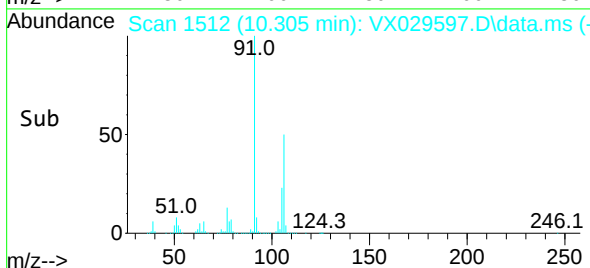
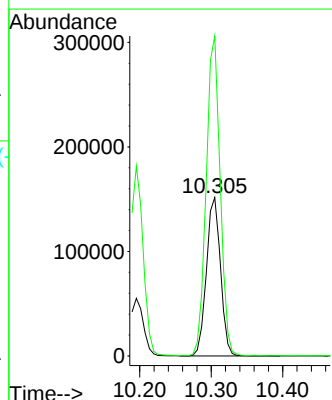
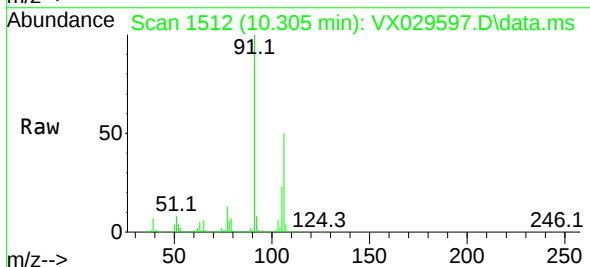
Instrument :
MSVOA_X
ClientSampleId :
MW-32

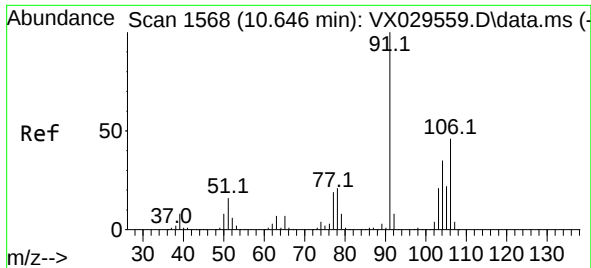
Tgt Ion: 91 Resp: 233821
Ion Ratio Lower Upper
91 100
106 30.3 24.6 36.8



#68
m/p-Xylenes
Concen: 36.272 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

Tgt Ion: 106 Resp: 207401
Ion Ratio Lower Upper
106 100
91 199.6 160.4 240.6

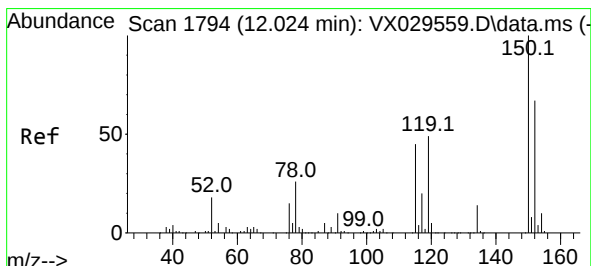
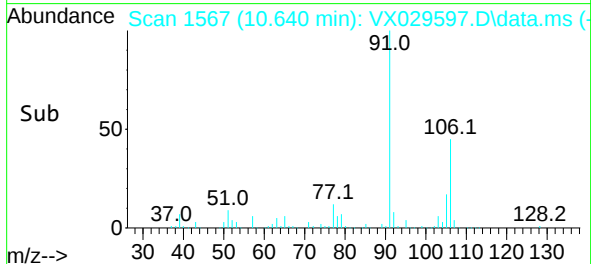
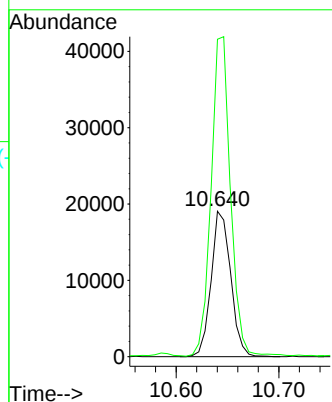
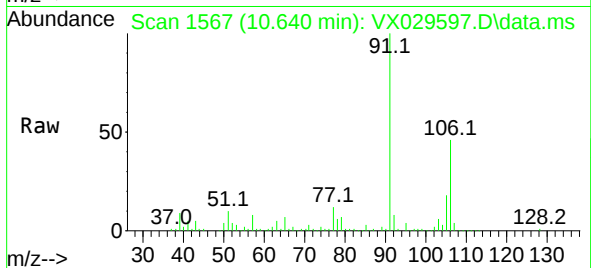




#69
o-Xylene
Concen: 4.463 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

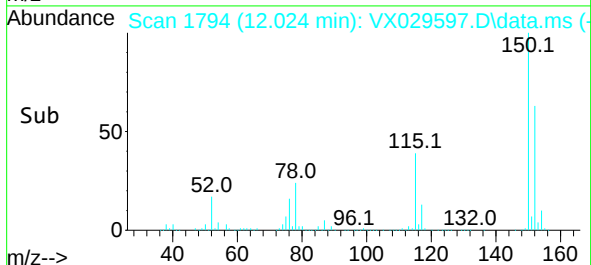
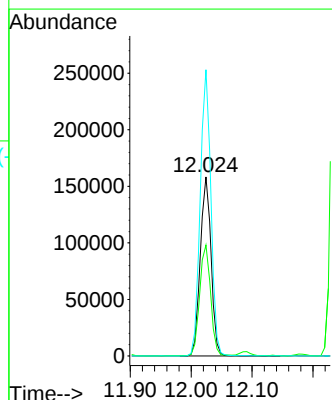
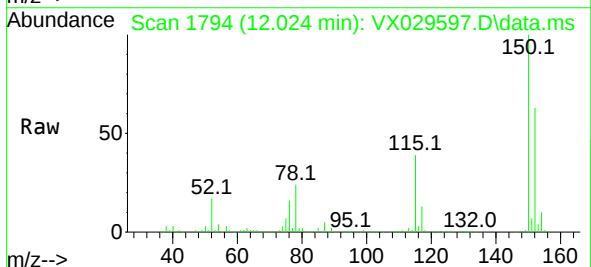
Instrument :
MSVOA_X
ClientSampleId :
MW-32

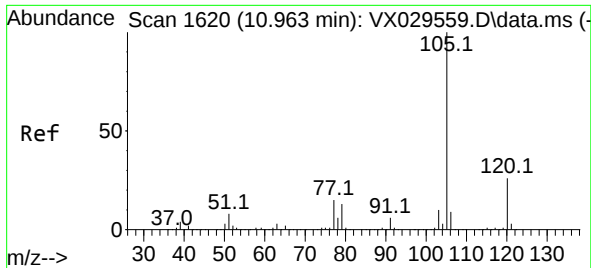
Tgt Ion:106 Resp: 25213
Ion Ratio Lower Upper
106 100
91 217.8 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

Tgt Ion:152 Resp: 194982
Ion Ratio Lower Upper
152 100
115 63.2 37.5 112.7
150 158.0 0.0 338.2

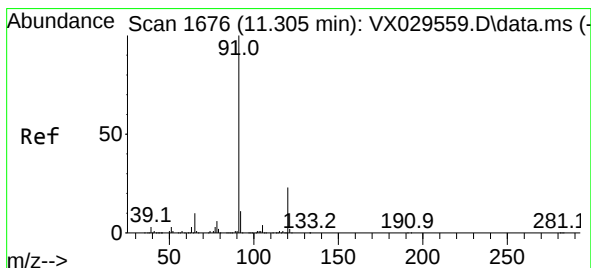
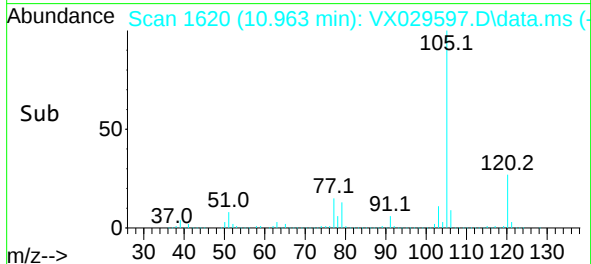
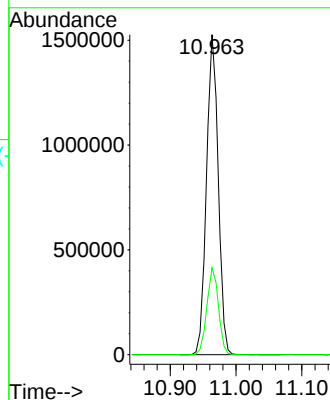
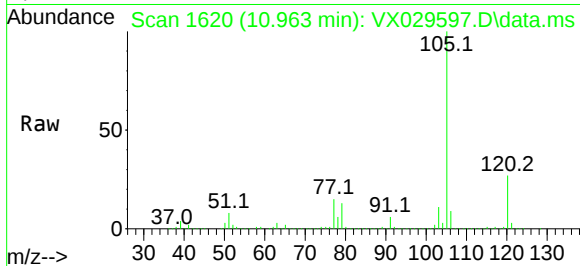




#73
Isopropylbenzene
Concen: 129.411 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

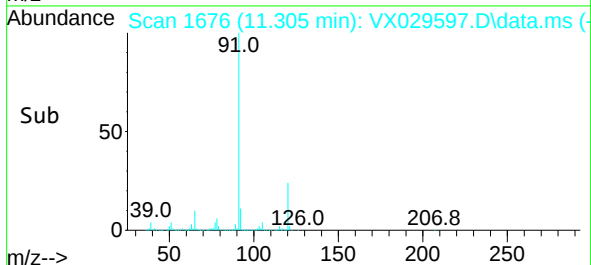
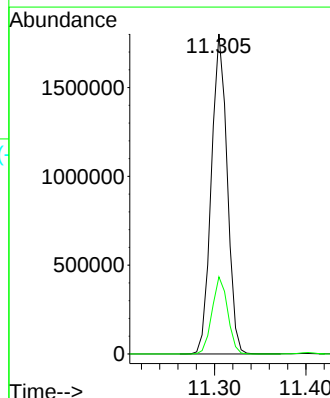
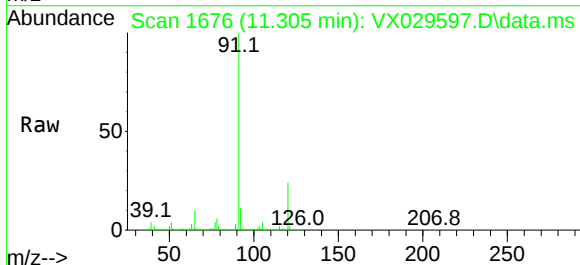
Instrument :
MSVOA_X
ClientSampleId :
MW-32

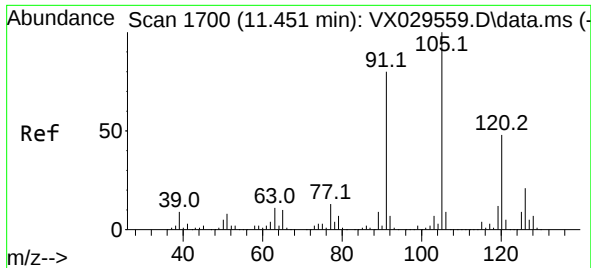
Tgt Ion:105 Resp: 1891919
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.5



#78
n-propylbenzene
Concen: 131.242 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

Tgt Ion: 91 Resp: 2160975
Ion Ratio Lower Upper
91 100
120 23.7 11.6 34.8

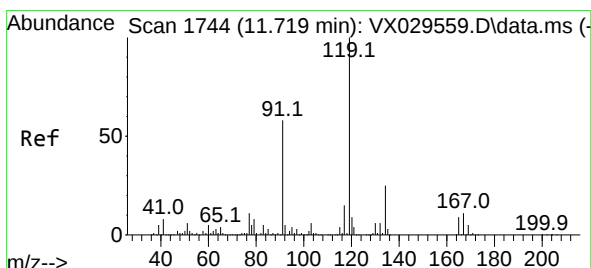
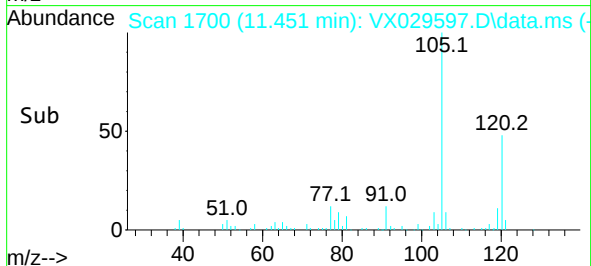
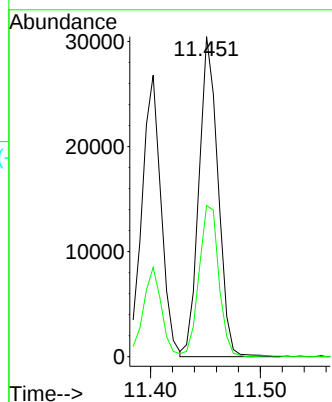
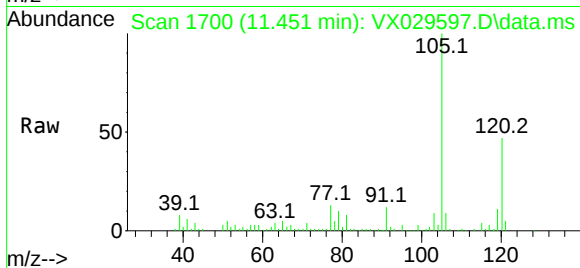




#80
1,3,5-Trimethylbenzene
Concen: 2.979 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

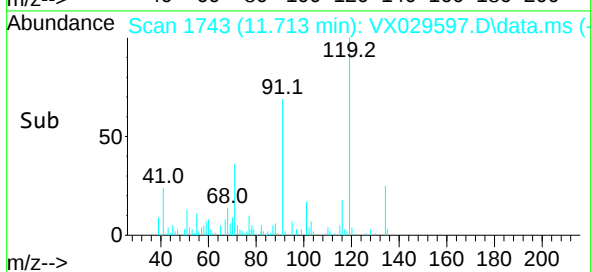
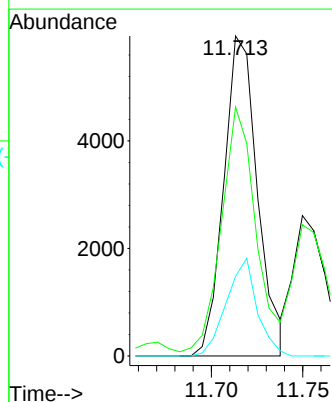
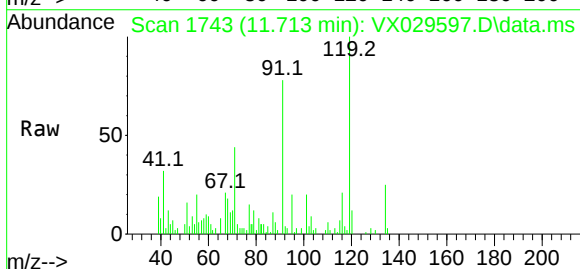
Instrument :
MSVOA_X
ClientSampleId :
MW-32

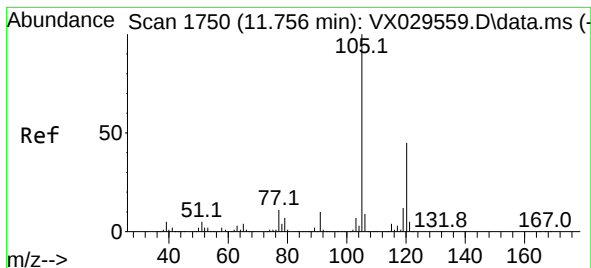
Tgt Ion:105 Resp: 36683
Ion Ratio Lower Upper
105 100
120 49.0 24.3 72.9



#83
tert-Butylbenzene
Concen: 0.637 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VX029597.D
Acq: 19 Jun 2022 02:40

Tgt Ion:119 Resp: 7649
Ion Ratio Lower Upper
119 100
91 77.2 26.9 80.6
134 27.7 11.4 34.2





#84

1,2,4-Trimethylbenzene

Concen: 2.312 ug/l

RT: 11.756 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX029597.D

Acq: 19 Jun 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

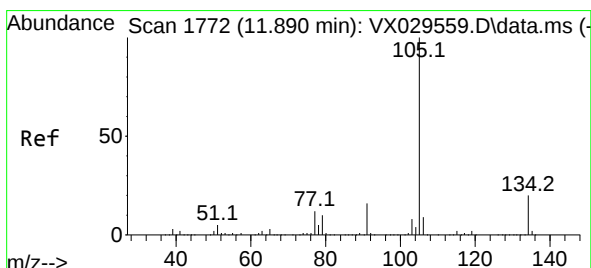
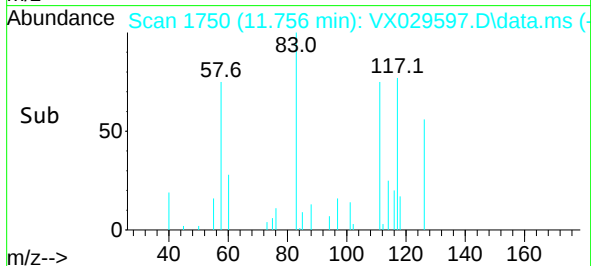
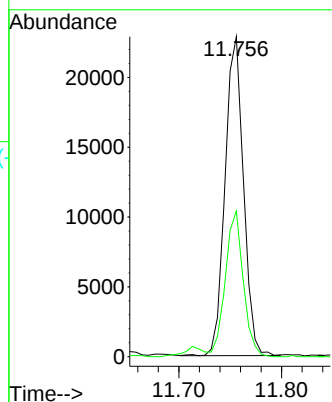
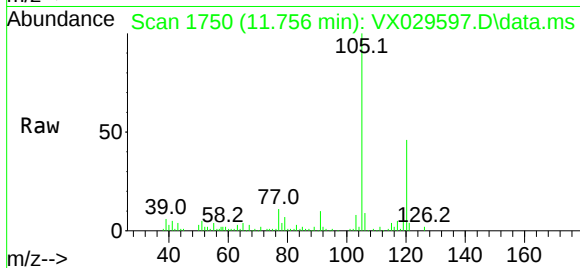
MW-32

Tgt Ion:105 Resp: 28390

Ion Ratio Lower Upper

105 100

120 44.3 22.6 67.8



#85

sec-Butylbenzene

Concen: 6.796 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX029597.D

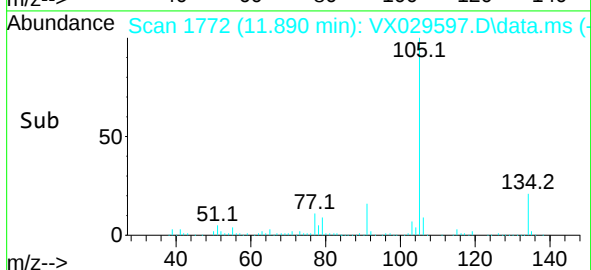
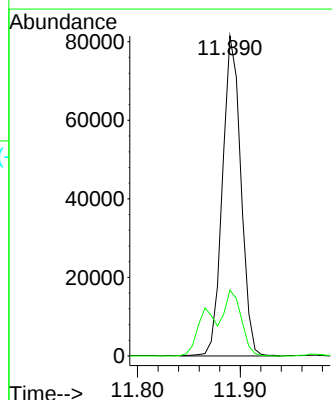
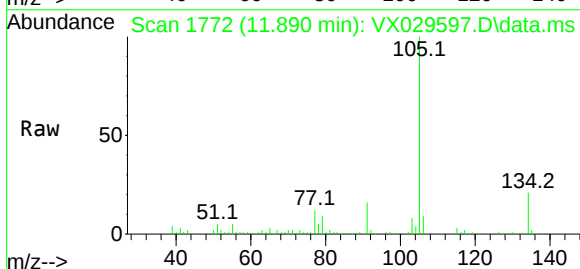
Acq: 19 Jun 2022 02:40

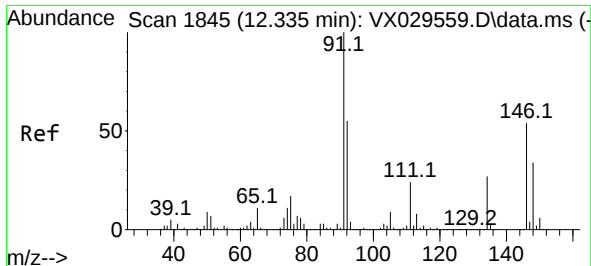
Tgt Ion:105 Resp: 101102

Ion Ratio Lower Upper

105 100

134 19.4 10.2 30.4





#89

n-Butylbenzene

Concen: 13.509 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX029597.D

Acq: 19 Jun 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

MW-32

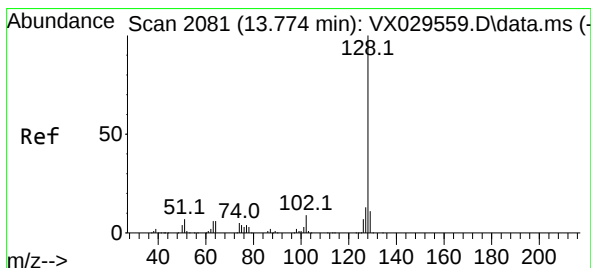
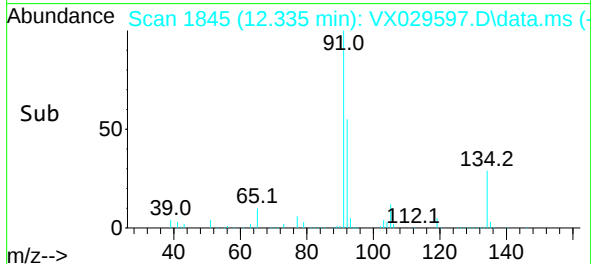
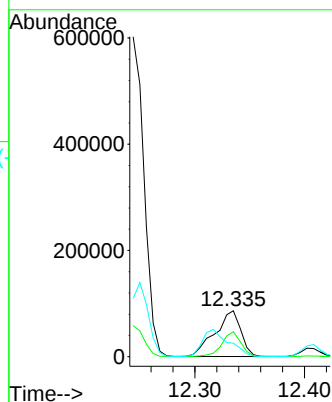
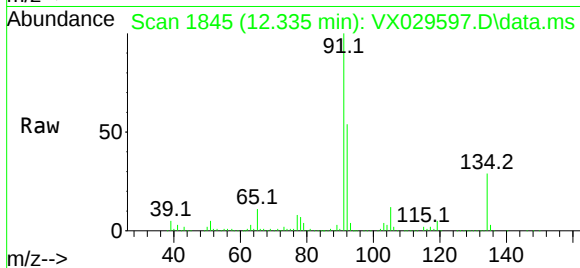
Tgt Ion: 91 Resp: 142034

Ion Ratio Lower Upper

91 100

92 40.9 27.8 83.3

134 60.8 13.3 39.8#



#95

Naphthalene

Concen: 2.603 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX029597.D

Acq: 19 Jun 2022 02:40

Tgt Ion:128 Resp: 35601

Ion Ratio Lower Upper

128 100

127 14.4 10.2 15.4

129 12.3 8.7 13.1

