

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101222\
 Data File : VX032092.D
 Acq On : 12 Oct 2022 18:15
 Operator : JC/MD
 Sample : N5042-07DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EOR-0632DL

Quant Time: Oct 13 09:21:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

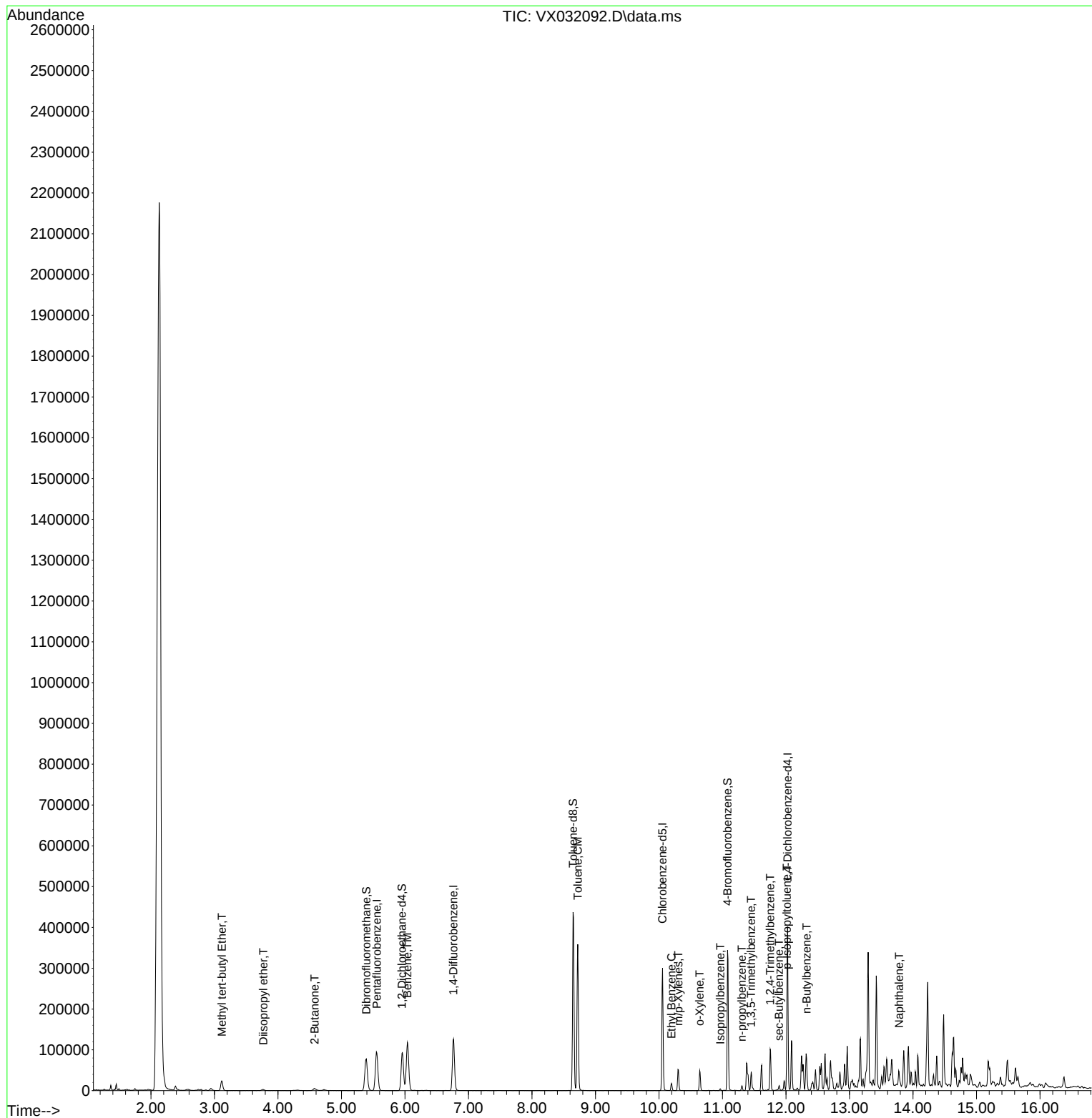
Internal Standards						
1) Pentafluorobenzene	5.556	168	84983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	126750	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92285	52.582	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.160%			
35) Dibromofluoromethane	5.391	113	66660	46.461	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.920%			
50) Toluene-d8	8.647	98	254329	49.263	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.520%			
62) 4-Bromofluorobenzene	11.079	95	86234	47.248	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.500%			
Target Compounds					Qvalue	
19) Methyl tert-butyl Ether	3.117	73	25468	5.863	ug/l	98
22) Diisopropyl ether	3.770	45	3238	0.782	ug/l #	74
25) 2-Butanone	4.574	43	5128	5.500	ug/l	97
40) Benzene	6.038	78	140125	25.152	ug/l	100
52) Toluene	8.720	92	130681	35.876	ug/l	99
67) Ethyl Benzene	10.195	91	10286	1.569	ug/l	96
68) m/p-Xylenes	10.305	106	11795	4.528	ug/l	93
69) o-Xylene	10.640	106	10031	3.962	ug/l	91
73) Isopropylbenzene	10.964	105	2122	0.364	ug/l	97
78) n-propylbenzene	11.305	91	7679	1.157	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	18898	3.905	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	43739	8.898	ug/l	98
85) sec-Butylbenzene	11.890	105	5923	0.999	ug/l	96
86) p-Isopropyltoluene	12.012	119	4890	0.980	ug/l	95
89) n-Butylbenzene	12.323	91	12887	3.083	ug/l #	32
95) Naphthalene	13.780	128	23985	4.239	ug/l	97

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

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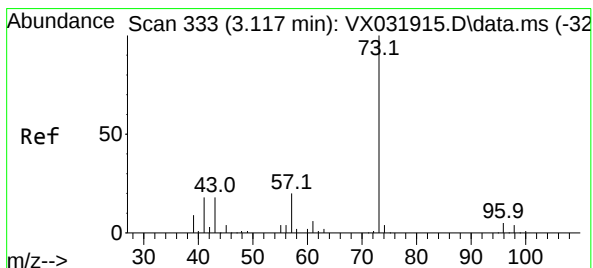
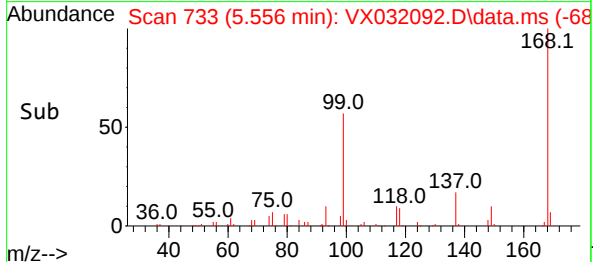
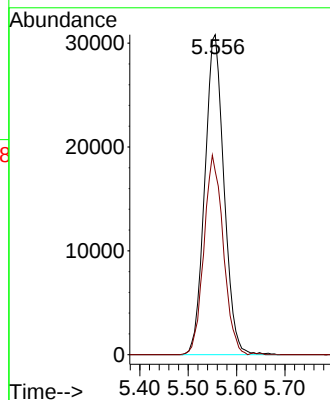
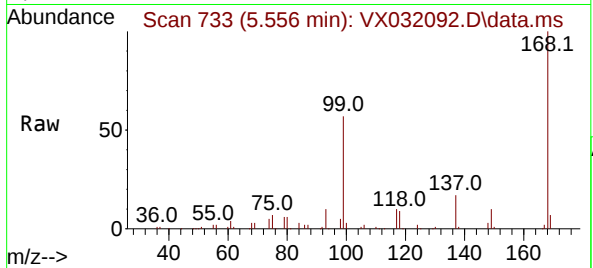




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.000 min
Lab File: VX032092.D
Acq: 12 Oct 2022 18:15

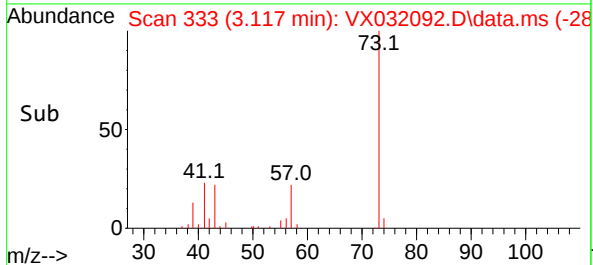
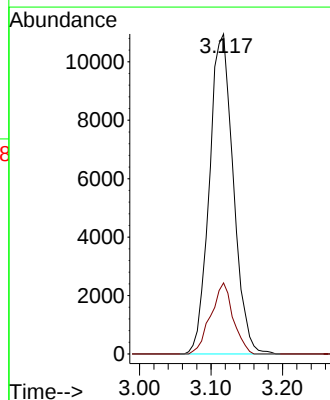
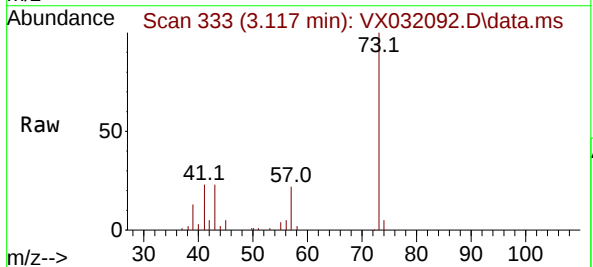
Instrument :
MSVOA_X
ClientSampleId :
EOR-0632DL

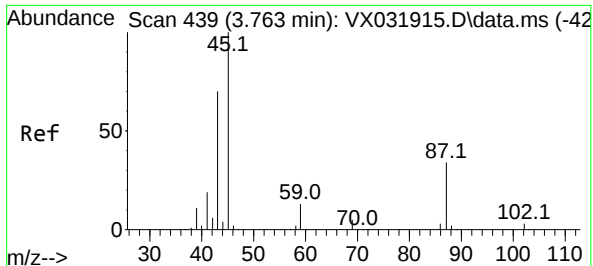
Tgt Ion:168 Resp: 84983
Ion Ratio Lower Upper
168 100
99 57.3 48.8 73.2



#19
Methyl tert-butyl Ether
Concen: 5.863 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX032092.D
Acq: 12 Oct 2022 18:15

Tgt Ion: 73 Resp: 25468
Ion Ratio Lower Upper
73 100
57 22.2 17.2 25.8

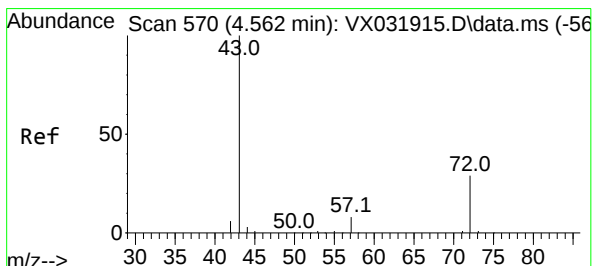
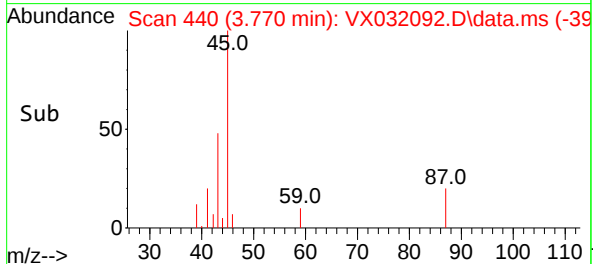
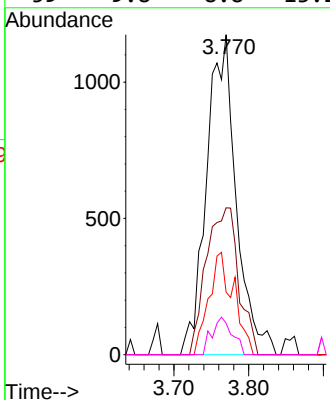
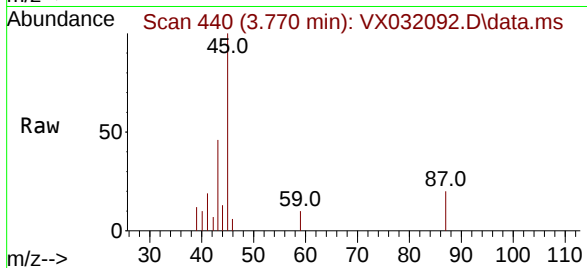




#22
Diisopropyl ether
Concen: 0.782 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.007 min
Lab File: VX032092.D
Acq: 12 Oct 2022 18:15

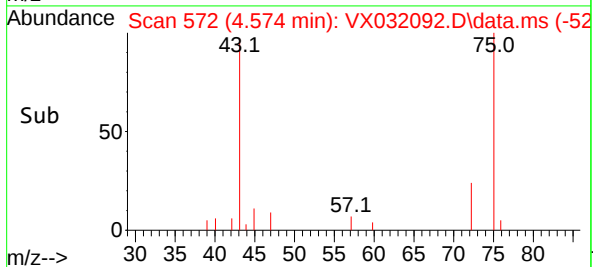
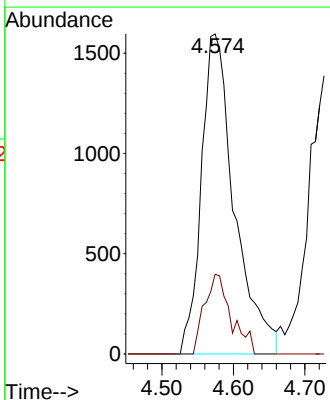
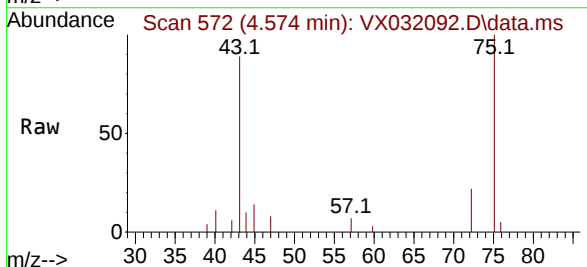
Instrument :
MSVOA_X
ClientSampleId :
EOR-0632DL

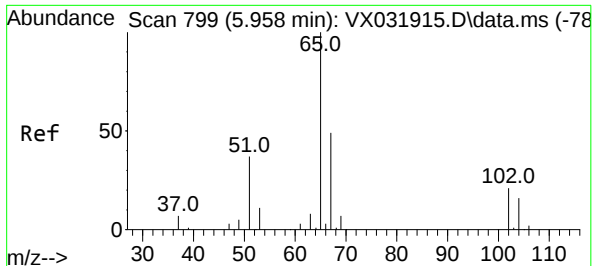
Tgt Ion:	45	Resp:	3238
Ion	Ratio	Lower	Upper
45	100		
43	45.9	59.0	88.6#
87	19.5	22.6	33.8#
59	9.8	8.8	13.2



#25
2-Butanone
Concen: 5.500 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX032092.D
Acq: 12 Oct 2022 18:15

Tgt Ion:	43	Resp:	5128
Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.1	31.7





#33

1,2-Dichloroethane-d4

Concen: 52.582 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX032092.D

Acq: 12 Oct 2022 18:15

Instrument :

MSVOA_X

ClientSampleId :

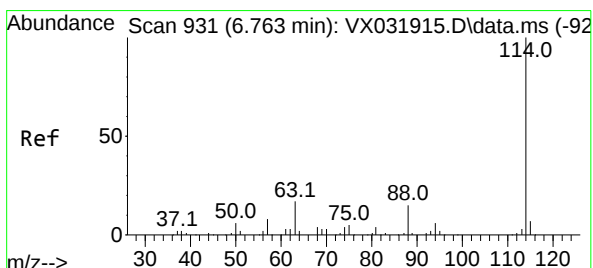
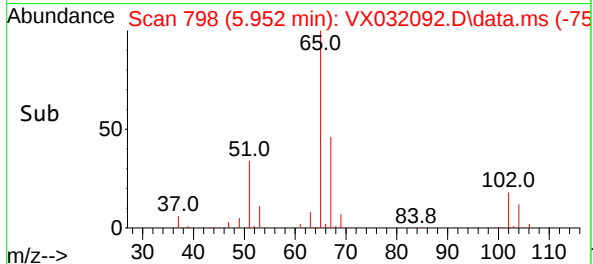
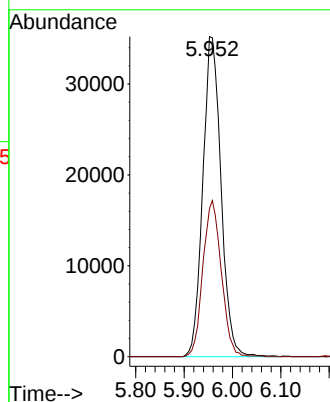
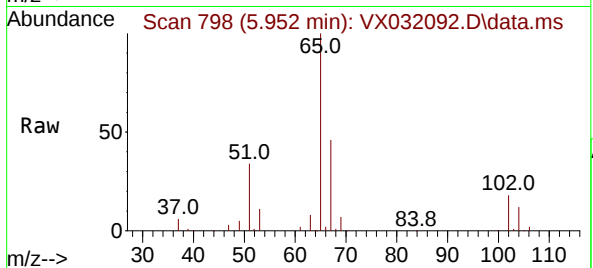
EOR-0632DL

Tgt Ion: 65 Resp: 92285

Ion Ratio Lower Upper

65 100

67 49.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032092.D

Acq: 12 Oct 2022 18:15

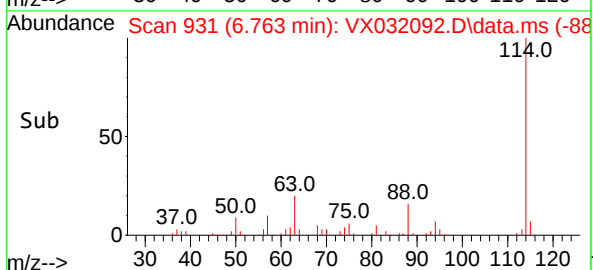
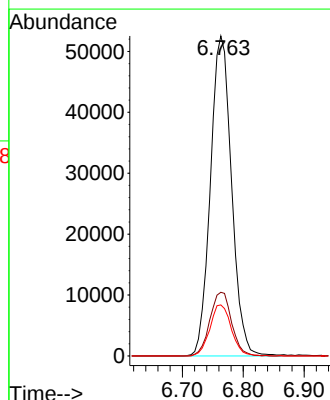
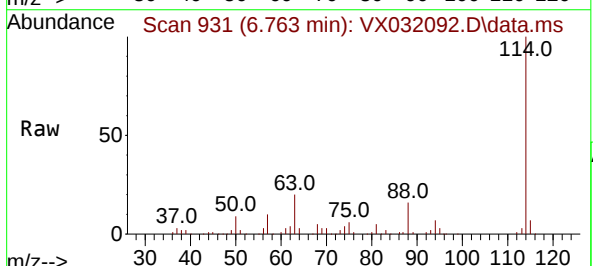
Tgt Ion: 114 Resp: 126750

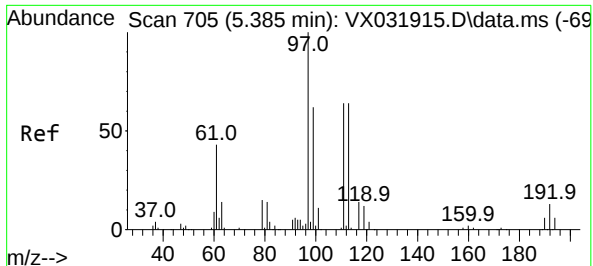
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 16.0 0.0 33.0

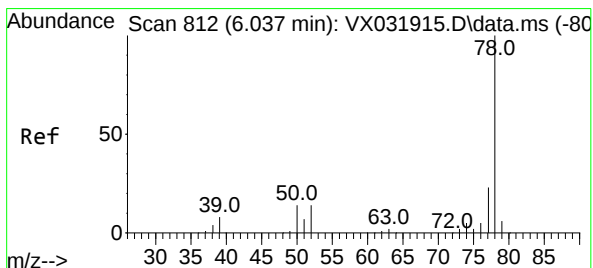
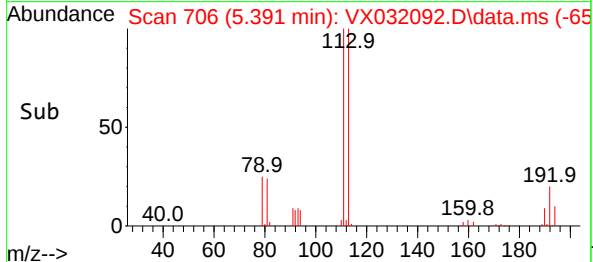
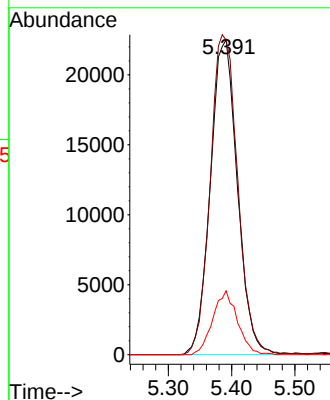
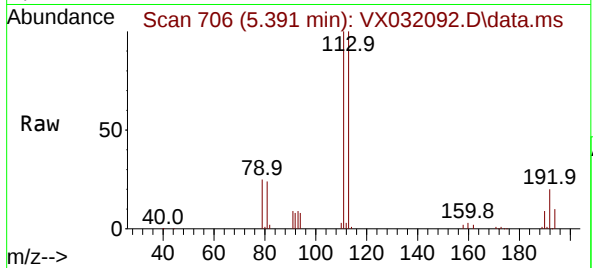




#35
Dibromofluoromethane
Concen: 46.461 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX032092.D
Acq: 12 Oct 2022 18:15

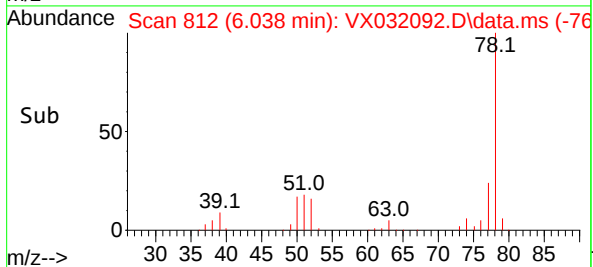
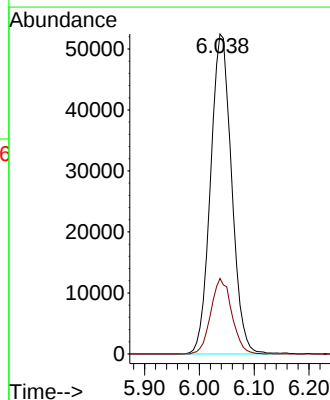
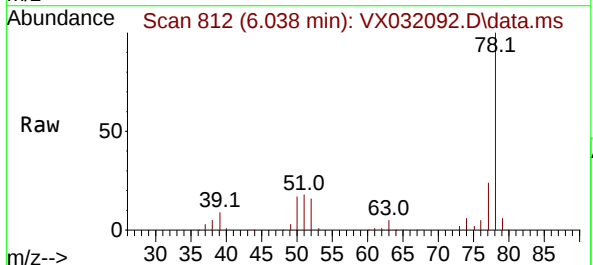
Instrument :
MSVOA_X
ClientSampleId :
EOR-0632DL

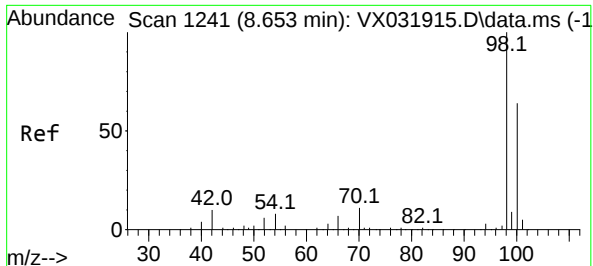
Tgt Ion:113 Resp: 66660
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 18.6 14.1 21.1



#40
Benzene
Concen: 25.152 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX032092.D
Acq: 12 Oct 2022 18:15

Tgt Ion: 78 Resp: 140125
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1





#50

Toluene-d8

Concen: 49.263 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032092.D

Acq: 12 Oct 2022 18:15

Instrument :

MSVOA_X

ClientSampleId :

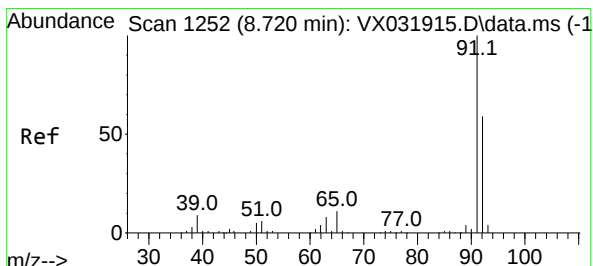
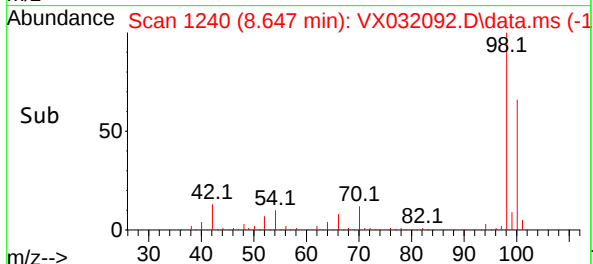
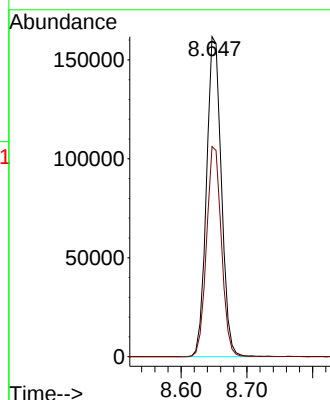
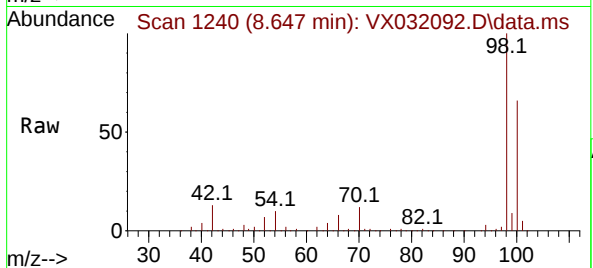
EOR-0632DL

Tgt Ion: 98 Resp: 254329

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7



#52

Toluene

Concen: 35.876 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX032092.D

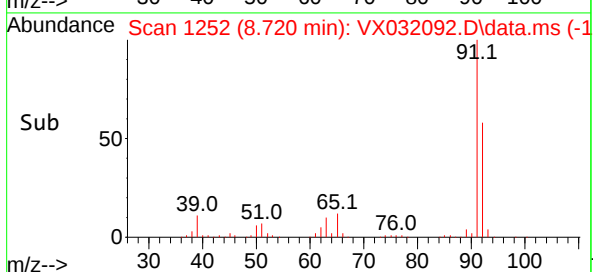
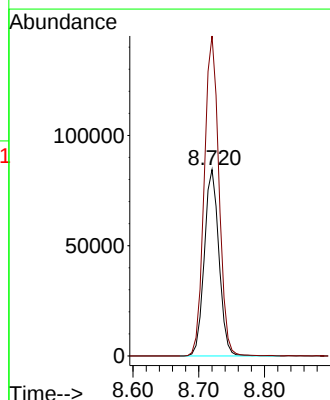
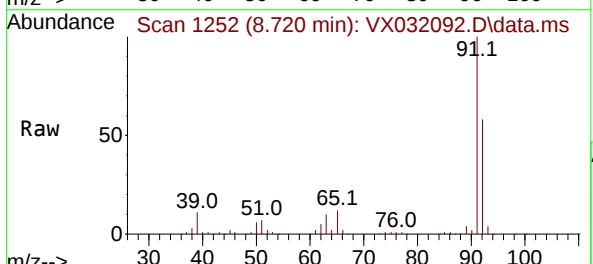
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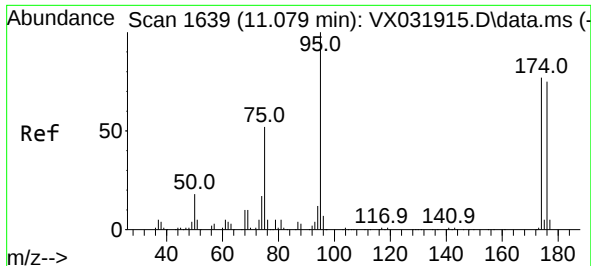
Tgt Ion: 92 Resp: 130681

Ion Ratio Lower Upper

92 100

91 172.2 137.1 205.7

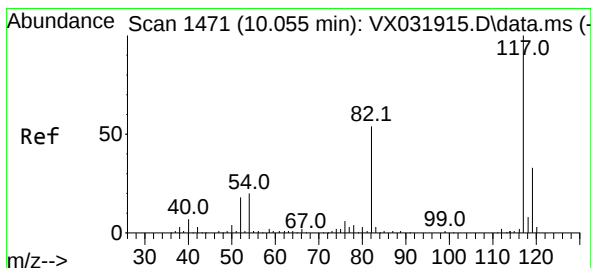
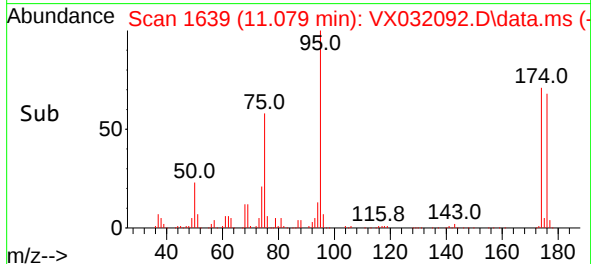
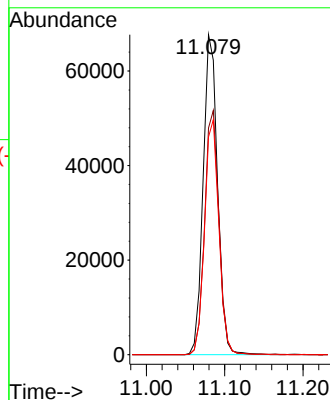
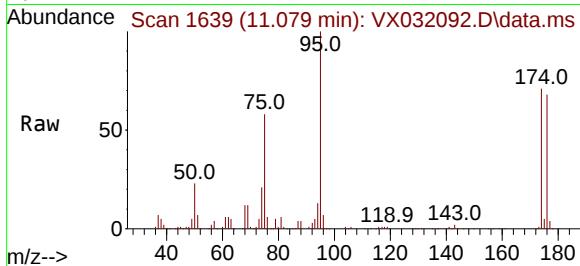




#62
4-Bromofluorobenzene
Concen: 47.248 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032092.D
Acq: 12 Oct 2022 18:15

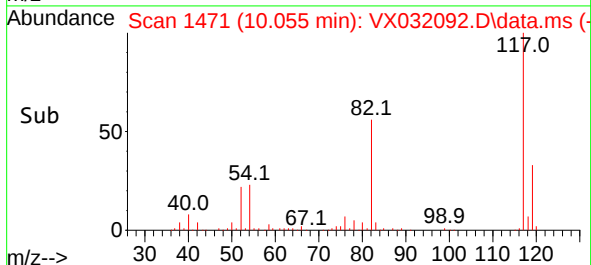
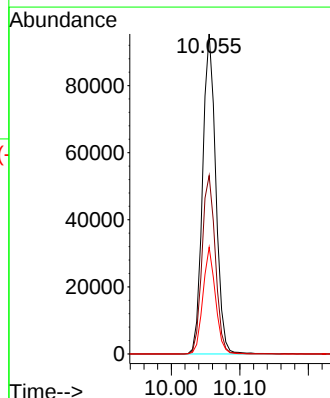
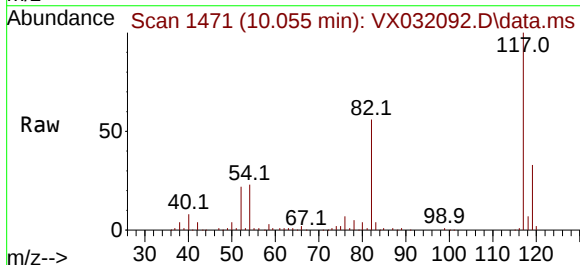
Instrument :
MSVOA_X
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EOR-0632DL

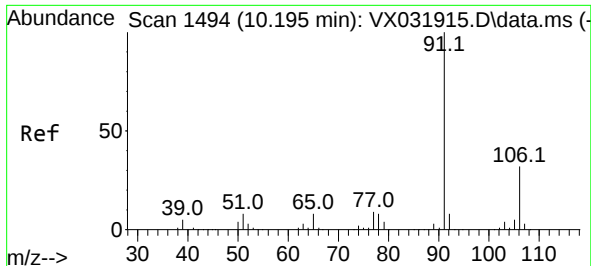
Tgt Ion: 95 Resp: 86234
Ion Ratio Lower Upper
95 100
174 76.4 0.0 153.2
176 73.1 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032092.D
Acq: 12 Oct 2022 18:15

Tgt Ion: 117 Resp: 127867
Ion Ratio Lower Upper
117 100
82 55.7 46.8 70.2
119 33.3 26.4 39.6





#67

Ethyl Benzene

Concen: 1.569 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX032092.D

Acq: 12 Oct 2022 18:15

Instrument :

MSVOA_X

ClientSampleId :

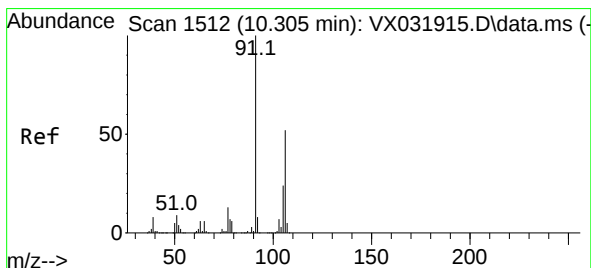
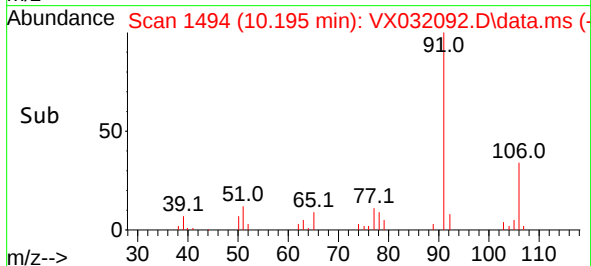
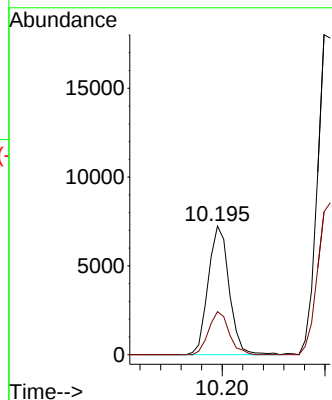
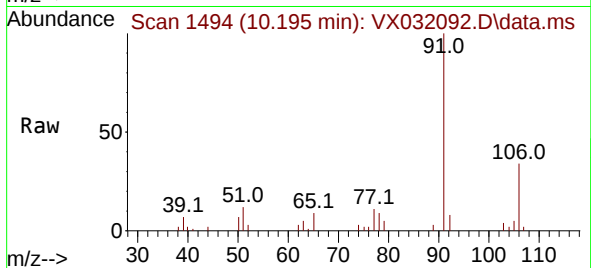
EOR-0632DL

Tgt Ion: 91 Resp: 10286

Ion Ratio Lower Upper

91 100

106 33.5 25.2 37.8



#68

m/p-Xylenes

Concen: 4.528 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX032092.D

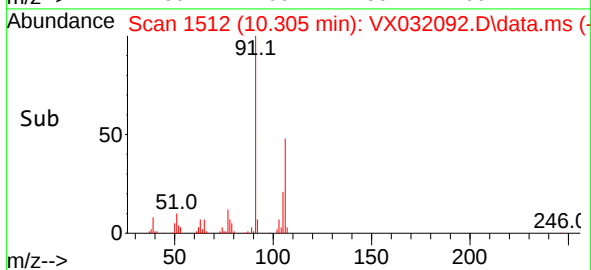
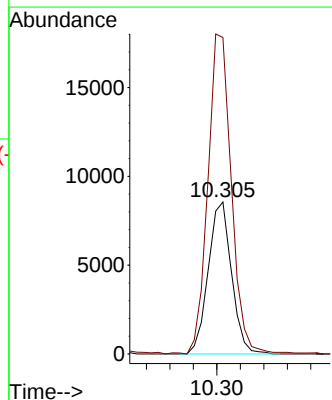
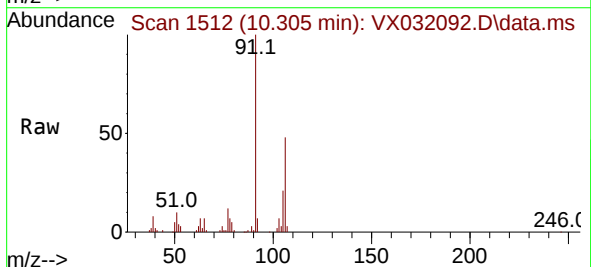
Acq: 12 Oct 2022 18:15

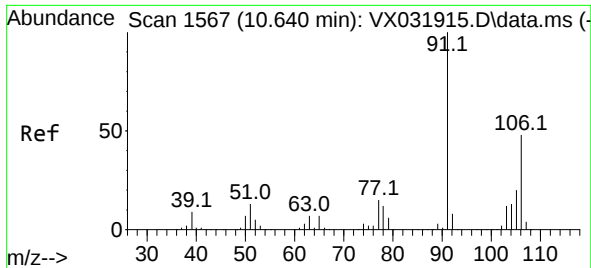
Tgt Ion: 106 Resp: 11795

Ion Ratio Lower Upper

106 100

91 212.5 161.0 241.4

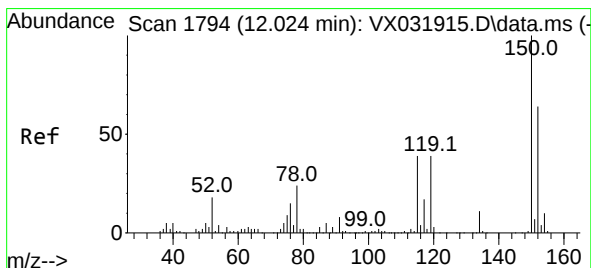
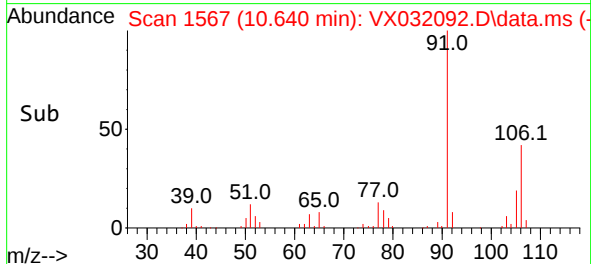
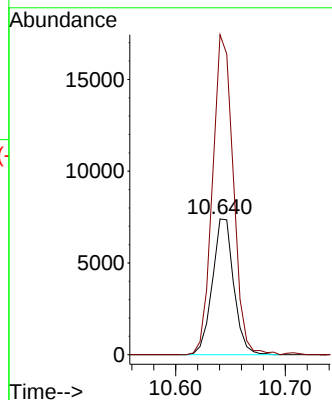
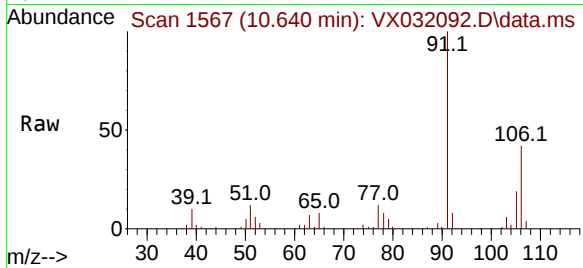




#69
o-Xylene
Concen: 3.962 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032092.D
Acq: 12 Oct 2022 18:15

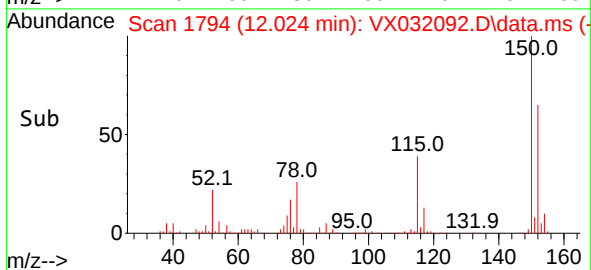
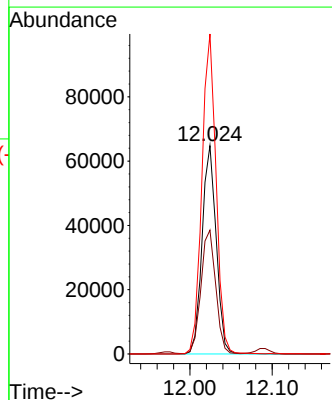
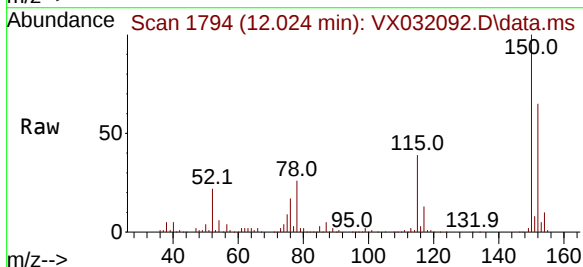
Instrument :
MSVOA_X
ClientSampleId :
EOR-0632DL

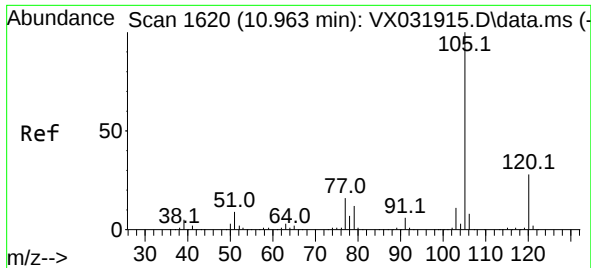
Tgt Ion:106 Resp: 10031
Ion Ratio Lower Upper
106 100
91 228.8 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032092.D
Acq: 12 Oct 2022 18:15

Tgt Ion:152 Resp: 77357
Ion Ratio Lower Upper
152 100
115 61.7 43.4 130.1
150 154.0 0.0 346.8

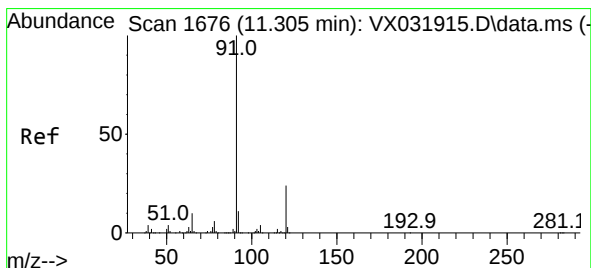
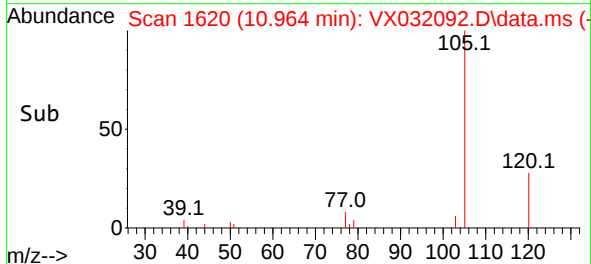
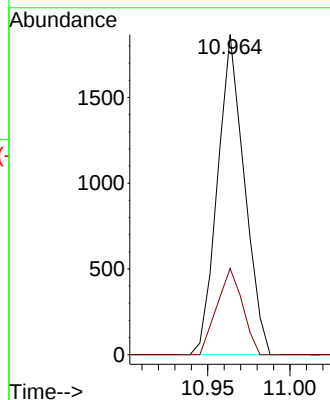
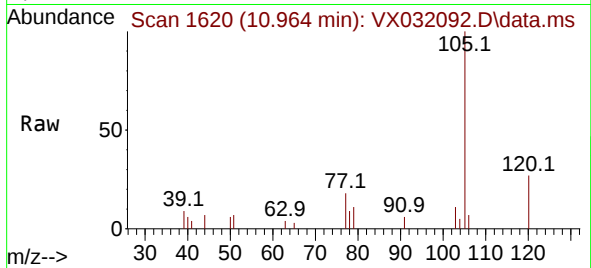




#73
Isopropylbenzene
Concen: 0.364 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX032092.D
Acq: 12 Oct 2022 18:15

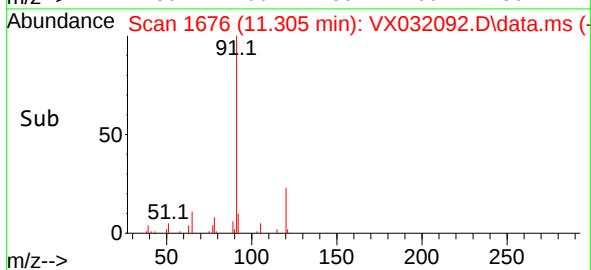
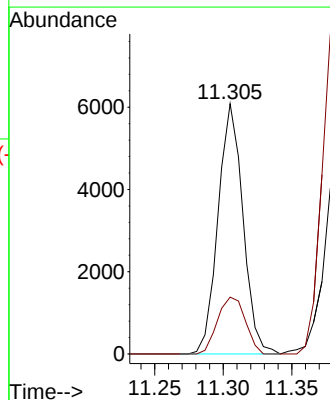
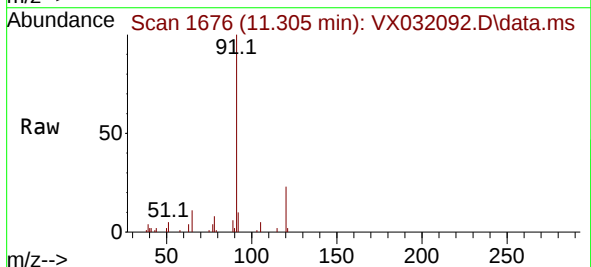
Instrument :
MSVOA_X
ClientSampleId :
EOR-0632DL

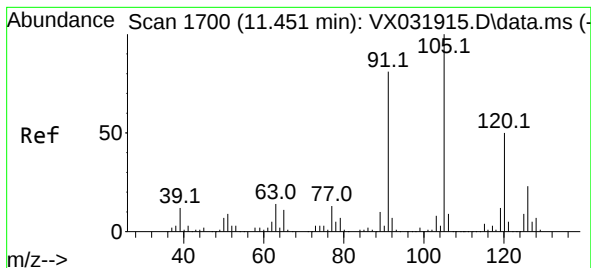
Tgt Ion:105 Resp: 2122
Ion Ratio Lower Upper
105 100
120 25.6 13.7 41.0



#78
n-propylbenzene
Concen: 1.157 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX032092.D
Acq: 12 Oct 2022 18:15

Tgt Ion: 91 Resp: 7679
Ion Ratio Lower Upper
91 100
120 25.4 11.8 35.4





#80

1,3,5-Trimethylbenzene

Concen: 3.905 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX032092.D

Acq: 12 Oct 2022 18:15

Instrument :

MSVOA_X

ClientSampleId :

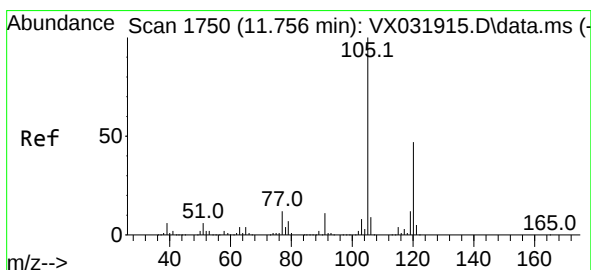
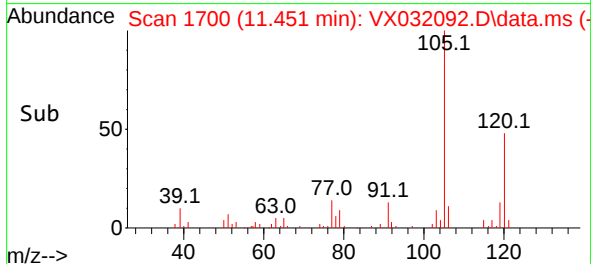
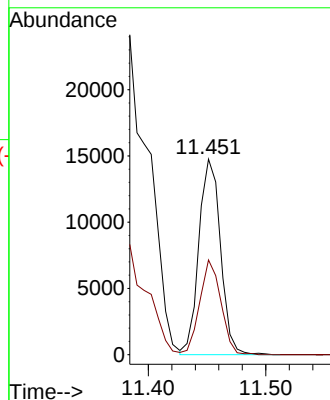
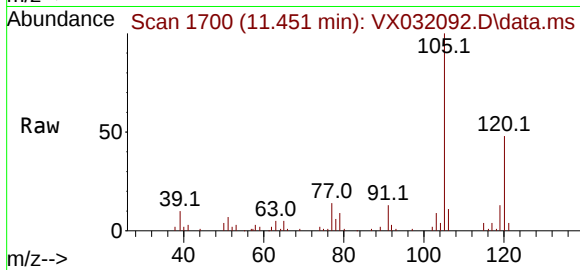
EOR-0632DL

Tgt Ion:105 Resp: 18898

Ion Ratio Lower Upper

105 100

120 47.4 24.5 73.5



#84

1,2,4-Trimethylbenzene

Concen: 8.898 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VX032092.D

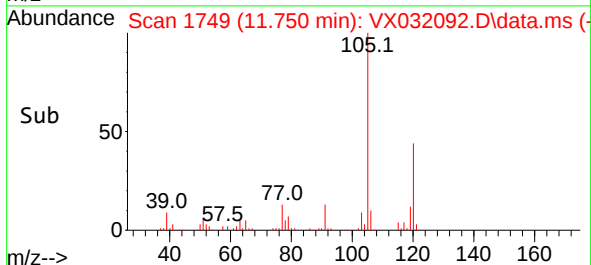
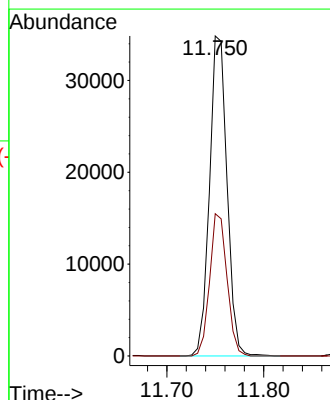
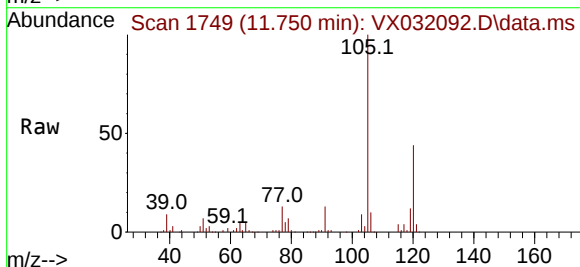
Acq: 12 Oct 2022 18:15

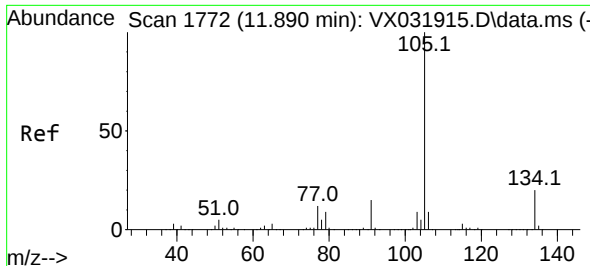
Tgt Ion:105 Resp: 43739

Ion Ratio Lower Upper

105 100

120 44.0 22.6 67.8

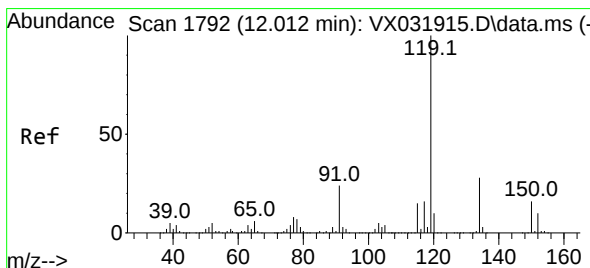
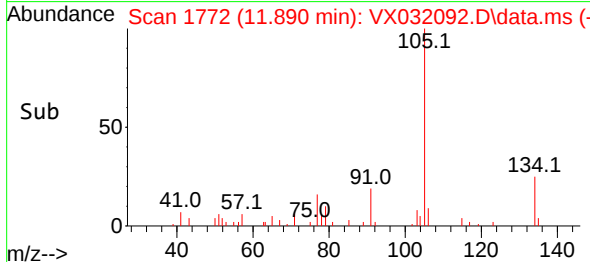
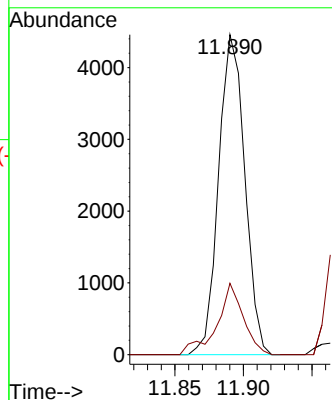
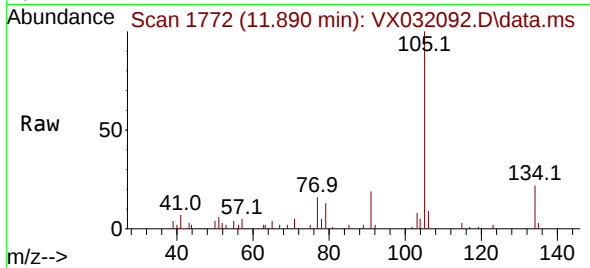




#85
 sec-Butylbenzene
 Concen: 0.999 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX032092.D
 Acq: 12 Oct 2022 18:15

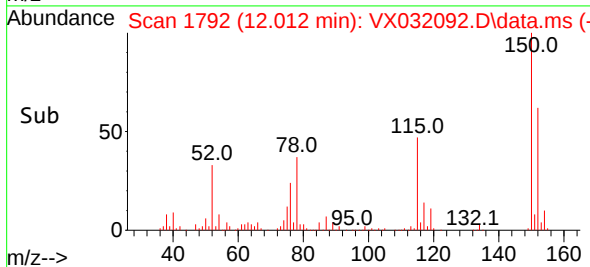
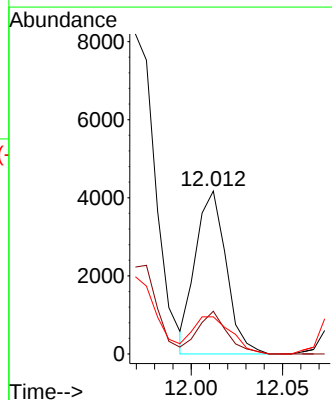
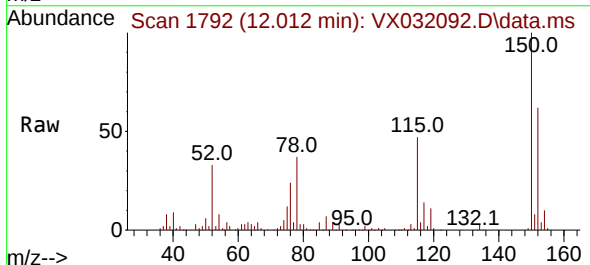
Instrument :
 MSVOA_X
 ClientSampleId :
 EOR-0632DL

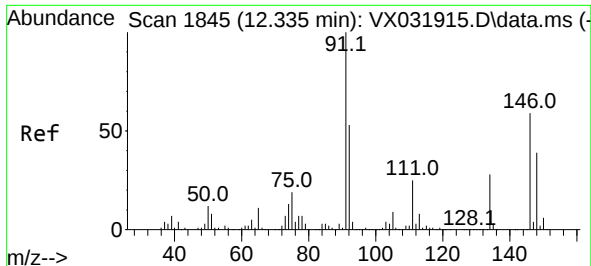
Tgt Ion:105 Resp: 5923
 Ion Ratio Lower Upper
 105 100
 134 22.5 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 0.980 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX032092.D
 Acq: 12 Oct 2022 18:15

Tgt Ion:119 Resp: 4890
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.4 40.2
 91 28.8 12.4 37.2





#89

n-Butylbenzene

Concen: 3.083 ug/l

RT: 12.323 min Scan# 1843

Delta R.T. -0.012 min

Lab File: VX032092.D

Acq: 12 Oct 2022 18:15

Instrument :

MSVOA_X

ClientSampleId :

EOR-0632DL

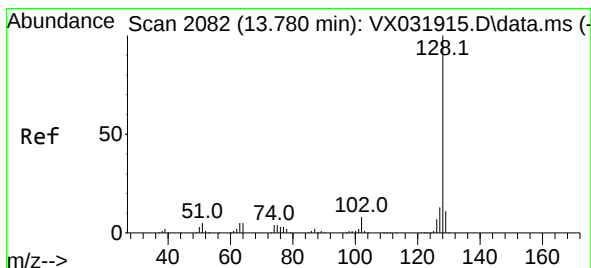
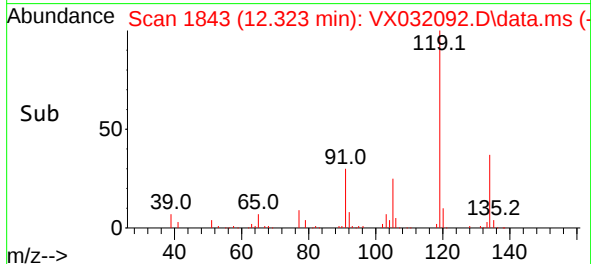
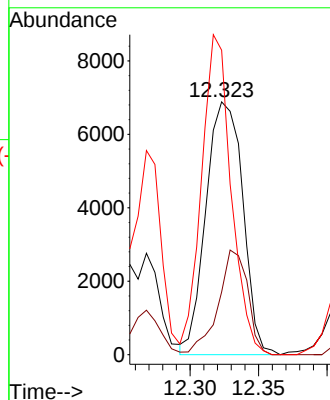
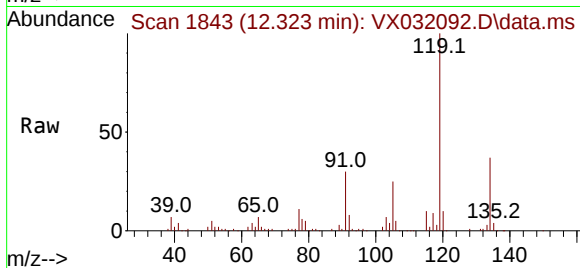
Tgt Ion: 91 Resp: 12887

Ion Ratio Lower Upper

91 100

92 33.2 27.0 81.0

134 101.8 13.3 39.9#



#95

Naphthalene

Concen: 4.239 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX032092.D

Acq: 12 Oct 2022 18:15

Tgt Ion:128 Resp: 23985

Ion Ratio Lower Upper

128 100

127 14.2 10.4 15.6

129 12.0 8.8 13.2

