

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120822\
 Data File : VX033330.D
 Acq On : 08 Dec 2022 17:50
 Operator : JC/MD
 Sample : N5890-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1922

Quant Time: Dec 09 00:52:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	154154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	248660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106919	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	45412	45.919	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.840%
35) Dibromofluoromethane	5.391	113	49580	44.330	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.660%
50) Toluene-d8	8.647	98	107091	45.772	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.540%#
62) 4-Bromofluorobenzene	11.079	95	83293	46.560	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.120%

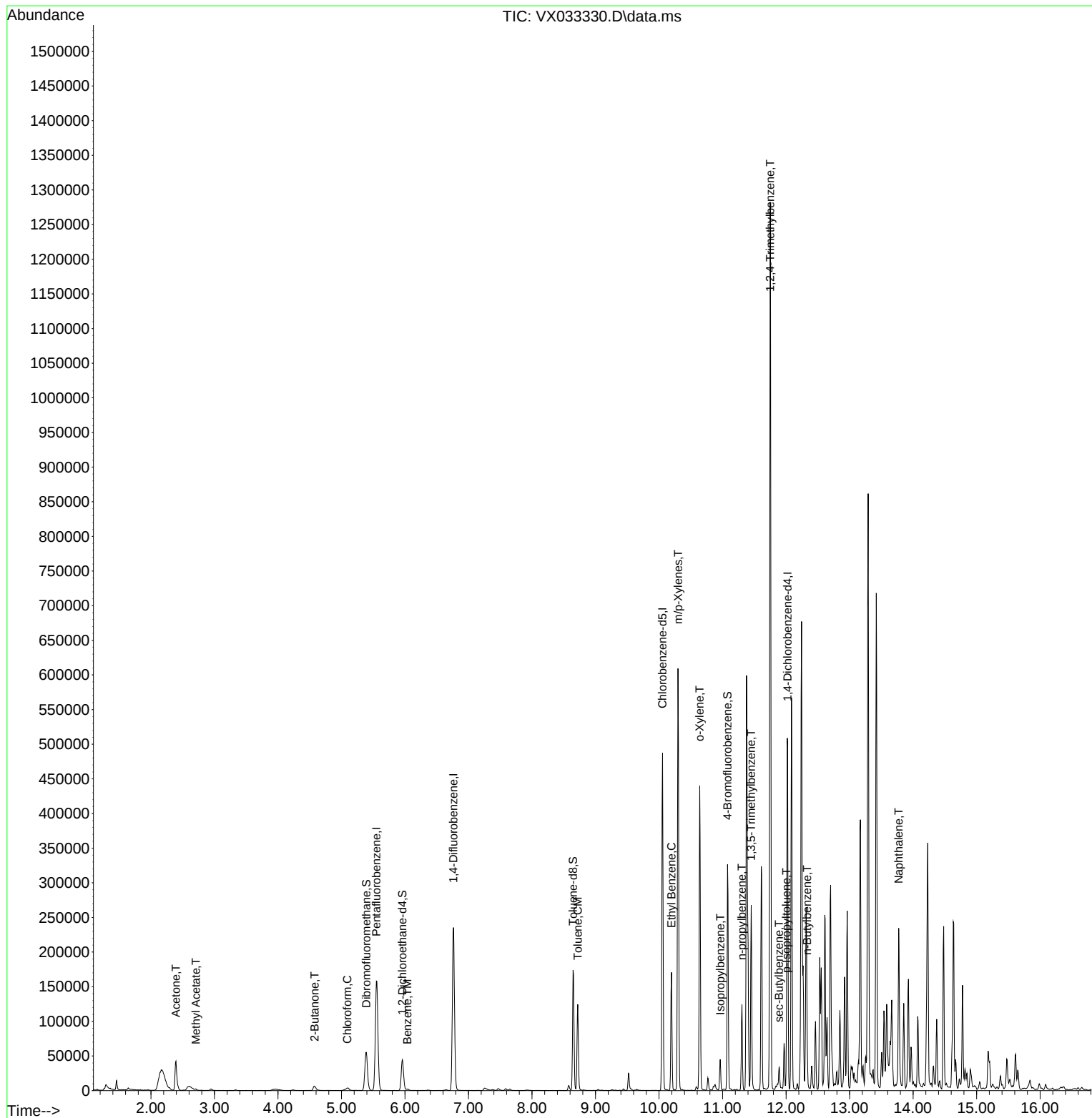
Target Compounds					Qvalue
16) Acetone	2.392	43	52563	71.827	ug/l 97
18) Methyl Acetate	2.709	43	2115	0.998	ug/l 92
25) 2-Butanone	4.574	43	13027	12.402	ug/l 94
30) Chloroform	5.092	83	3739	1.199	ug/l # 74
40) Benzene	6.037	78	2535	0.399	ug/l # 78
52) Toluene	8.720	92	47508	11.557	ug/l 96
67) Ethyl Benzene	10.195	91	95999	12.495	ug/l 100
68) m/p-Xylenes	10.299	106	139049	46.515	ug/l 99
69) o-Xylene	10.640	106	91860	31.089	ug/l 100
73) Isopropylbenzene	10.963	105	22764	2.937	ug/l 100
78) n-propylbenzene	11.305	91	72393	8.366	ug/l 100
80) 1,3,5-Trimethylbenzene	11.451	105	114331	17.724	ug/l 99
84) 1,2,4-Trimethylbenzene	11.750	105	559013	86.814	ug/l 99
85) sec-Butylbenzene	11.890	105	16827	2.242	ug/l 92
86) p-Isopropyltoluene	12.006	119	11722	1.812	ug/l 93
89) n-Butylbenzene	12.329	91	37723	7.118	ug/l # 26
95) Naphthalene	13.774	128	142617	19.975	ug/l 100

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

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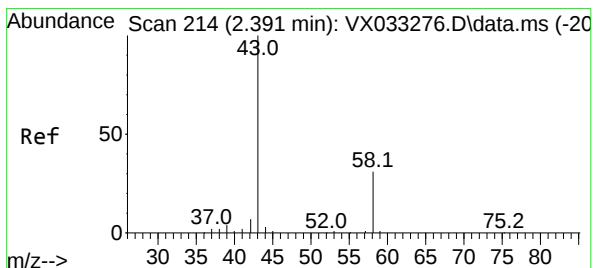
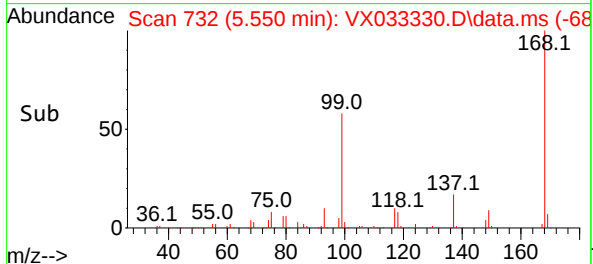
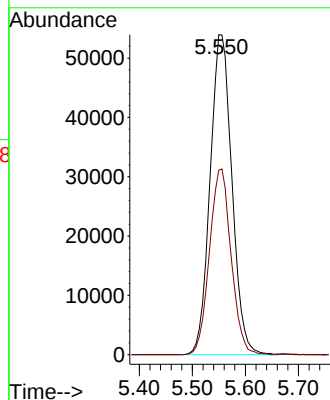
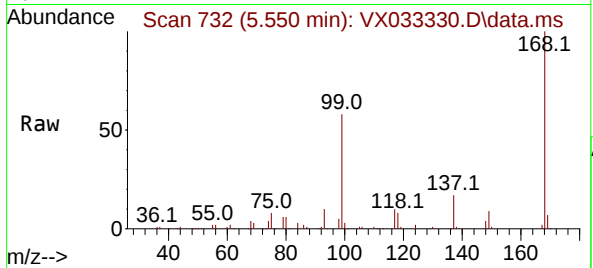




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

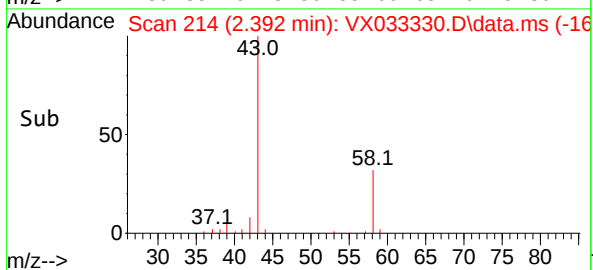
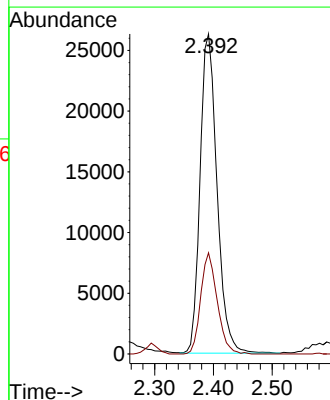
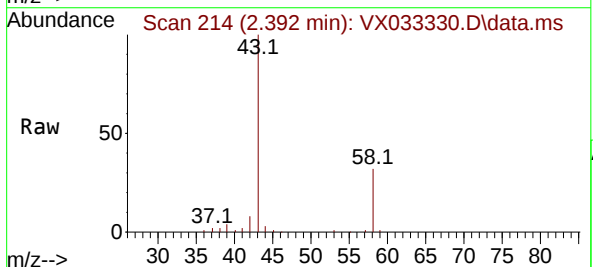
Instrument :
MSVOA_X
ClientSampleId :
1922

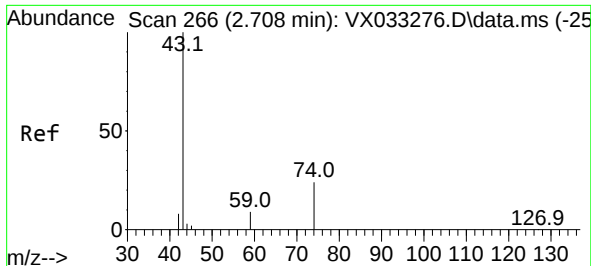
Tgt Ion:168 Resp: 154154
Ion Ratio Lower Upper
168 100
99 57.7 46.1 69.1



#16
Acetone
Concen: 71.827 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

Tgt Ion: 43 Resp: 52563
Ion Ratio Lower Upper
43 100
58 31.7 23.8 35.8

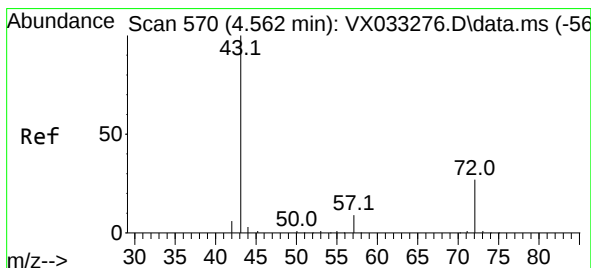
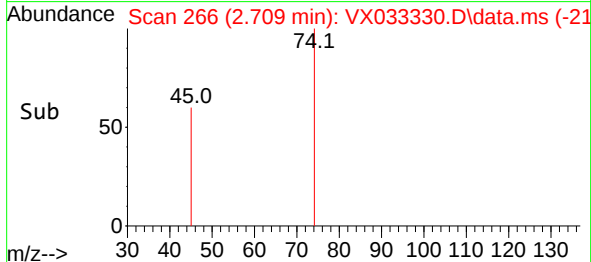
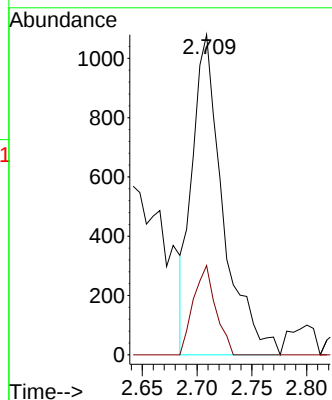
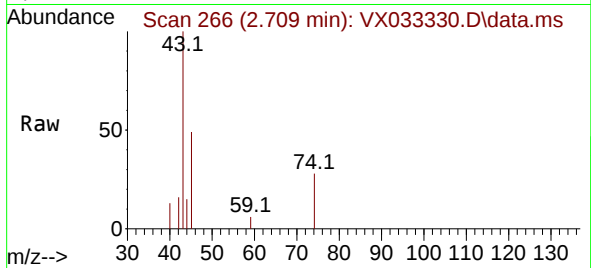




#18
Methyl Acetate
Concen: 0.998 ug/l
RT: 2.709 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

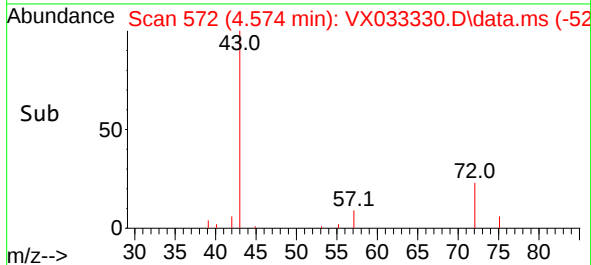
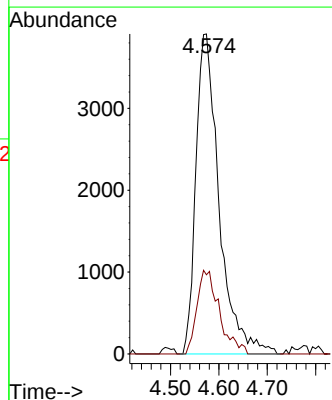
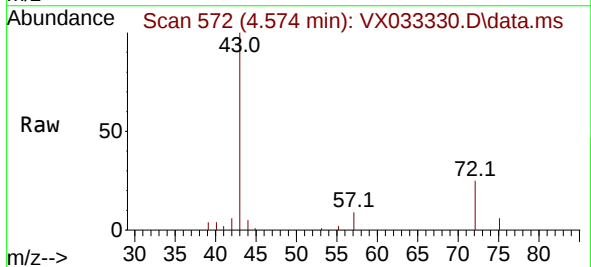
Instrument :
MSVOA_X
ClientSampleId :
1922

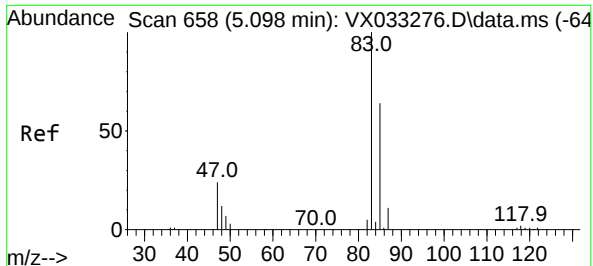
Tgt Ion: 43 Resp: 2115
Ion Ratio Lower Upper
43 100
74 20.2 19.4 29.0



#25
2-Butanone
Concen: 12.402 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

Tgt Ion: 43 Resp: 13027
Ion Ratio Lower Upper
43 100
72 24.8 22.2 33.2





#30

Chloroform

Concen: 1.199 ug/l

RT: 5.092 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX033330.D

Acq: 08 Dec 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

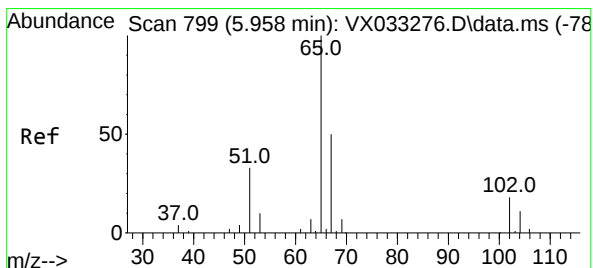
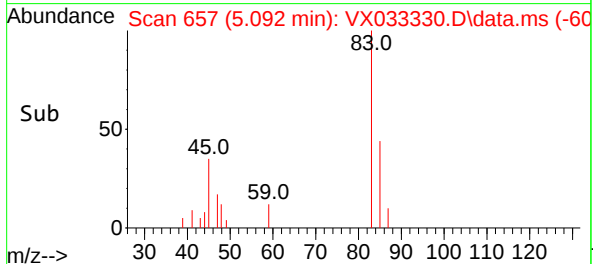
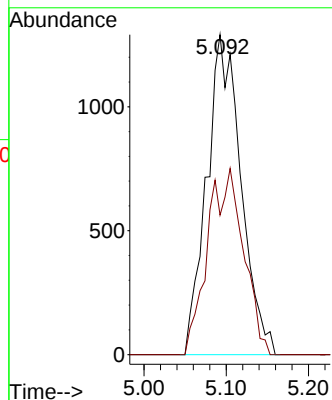
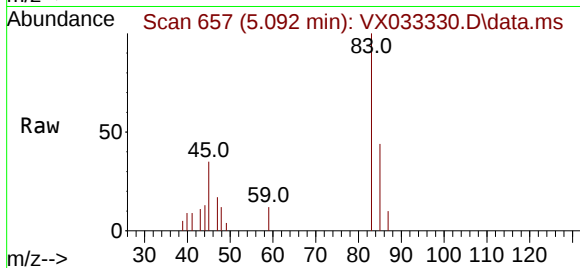
1922

Tgt Ion: 83 Resp: 3739

Ion Ratio Lower Upper

83 100

85 43.6 51.1 76.7#



#33

1,2-Dichloroethane-d4

Concen: 45.919 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033330.D

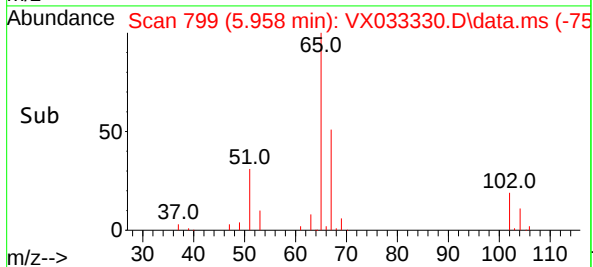
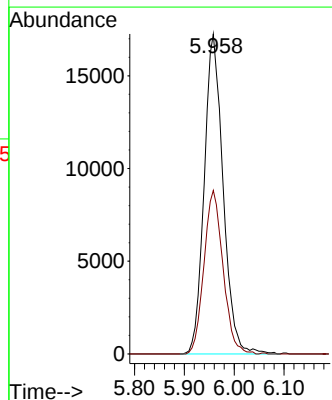
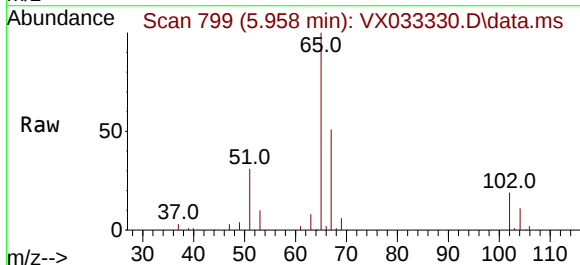
Acq: 08 Dec 2022 17:50

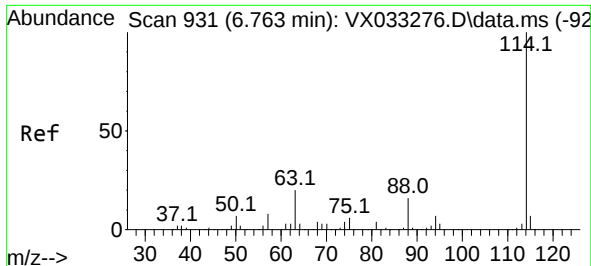
Tgt Ion: 65 Resp: 45412

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.8

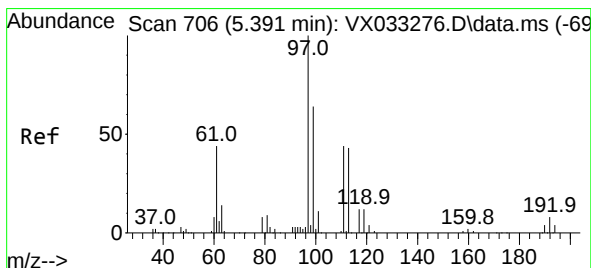
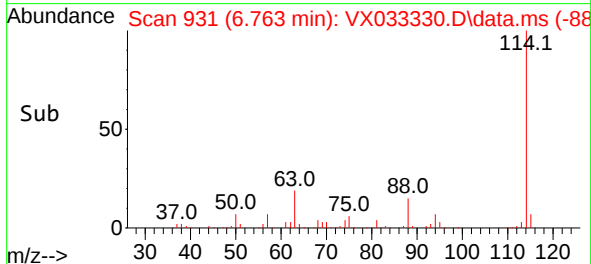
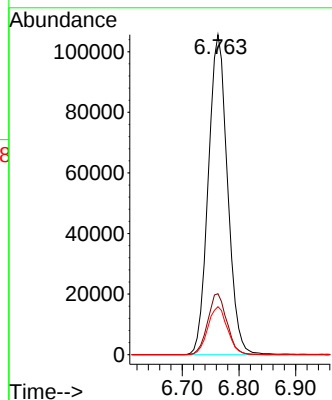
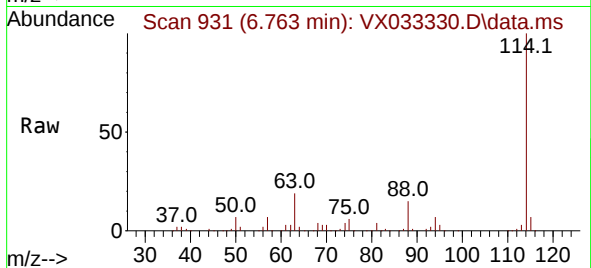




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

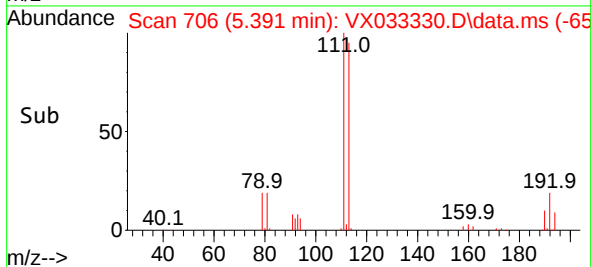
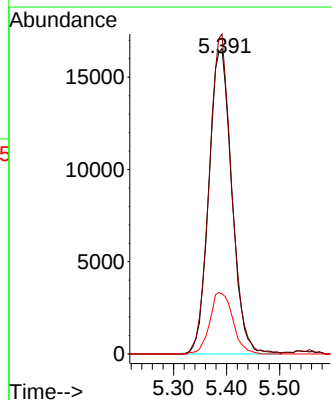
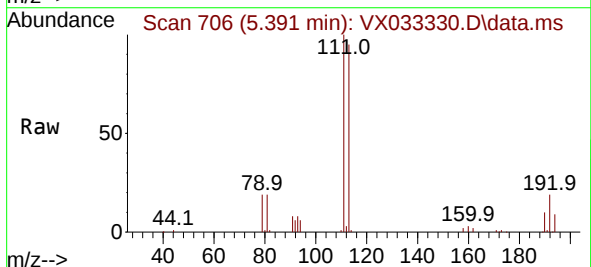
Instrument :
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ClientSampleId :
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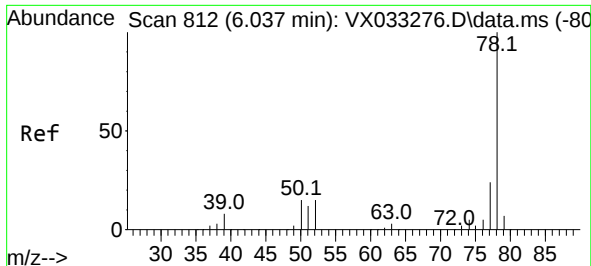
Tgt Ion:114 Resp: 248660
Ion Ratio Lower Upper
114 100
63 19.1 0.0 41.6
88 15.0 0.0 33.4



#35
Dibromofluoromethane
Concen: 44.330 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

Tgt Ion:113 Resp: 49580
Ion Ratio Lower Upper
113 100
111 102.7 82.4 123.6
192 20.2 15.4 23.2

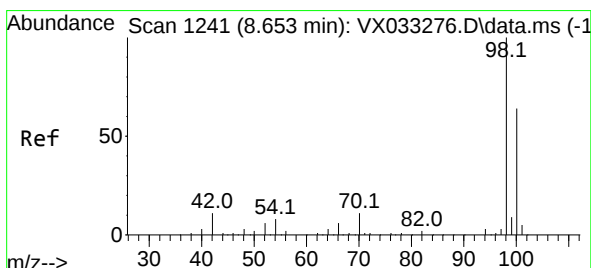
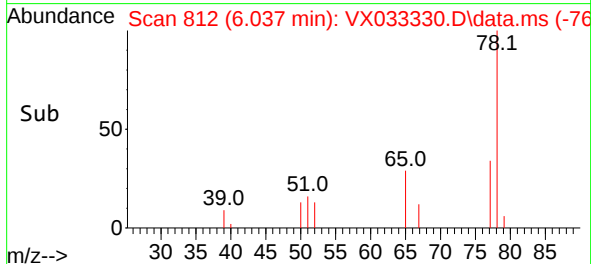
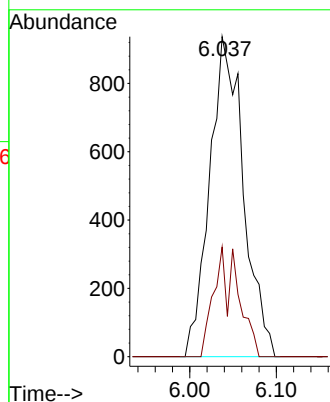
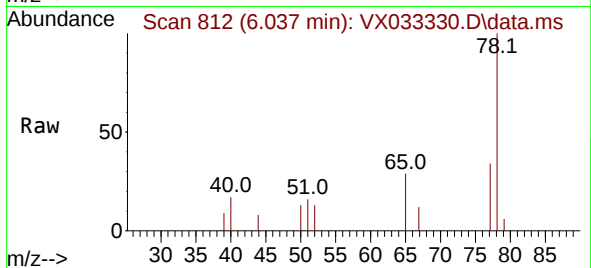




#40
Benzene
Concen: 0.399 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

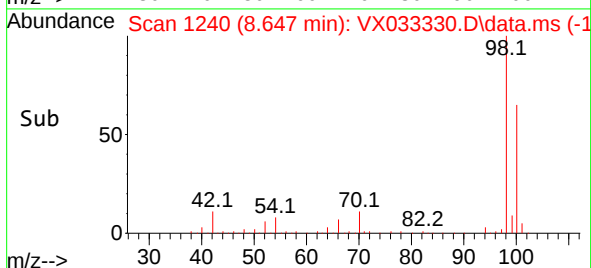
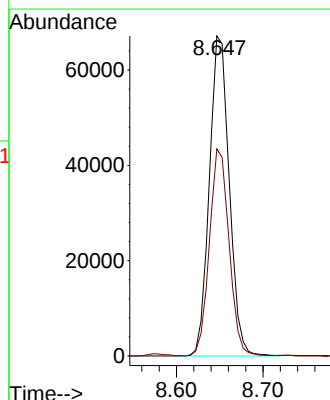
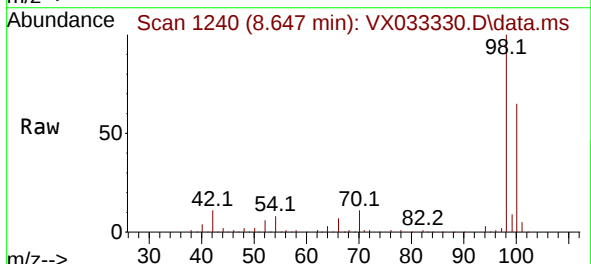
Instrument :
MSVOA_X
ClientSampleId :
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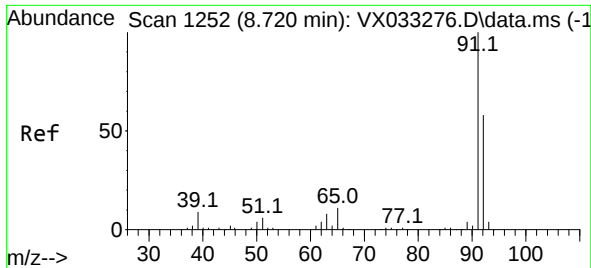
Tgt Ion: 78 Resp: 2535
Ion Ratio Lower Upper
78 100
77 34.3 19.0 28.4#



#50
Toluene-d8
Concen: 45.772 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

Tgt Ion: 98 Resp: 107091
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3

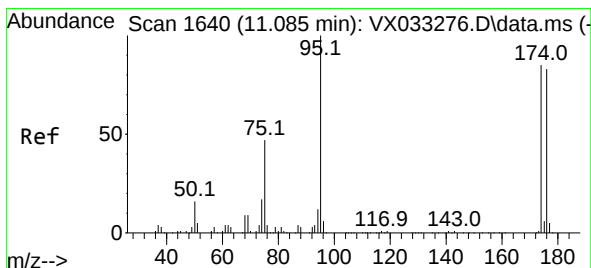
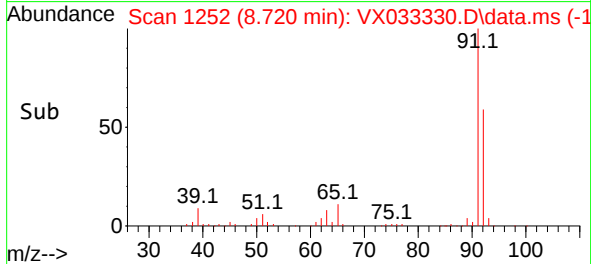
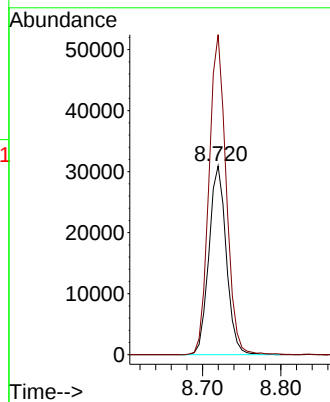
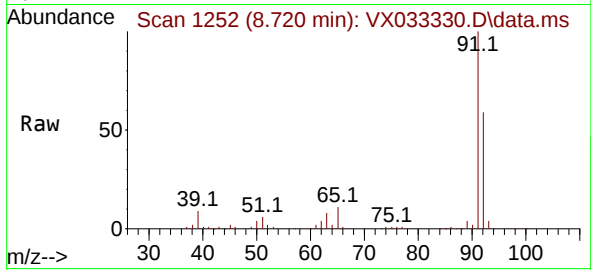




#52
Toluene
Concen: 11.557 ug/l
RT: 8.720 min Scan# 11922
Delta R.T. 0.000 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

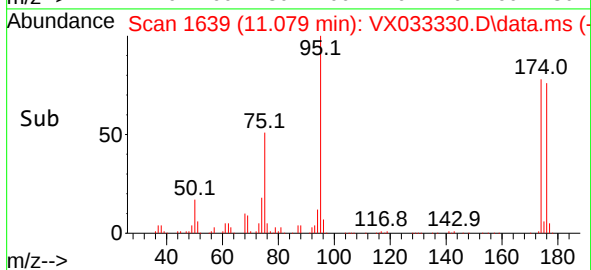
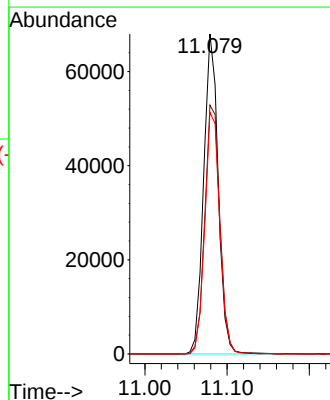
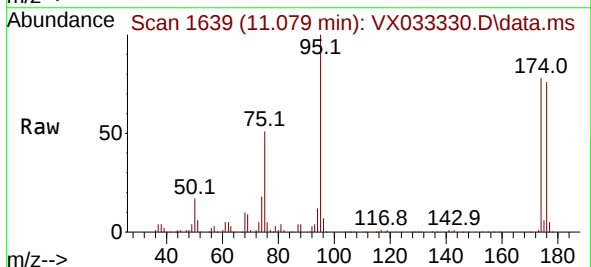
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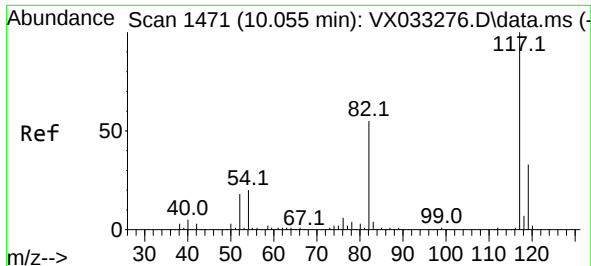
Tgt Ion: 92 Resp: 47508
Ion Ratio Lower Upper
92 100
91 167.9 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 46.560 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

Tgt Ion: 95 Resp: 83293
Ion Ratio Lower Upper
95 100
174 81.3 0.0 164.0
176 78.0 0.0 154.4

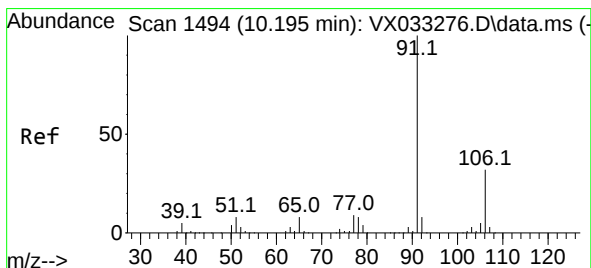
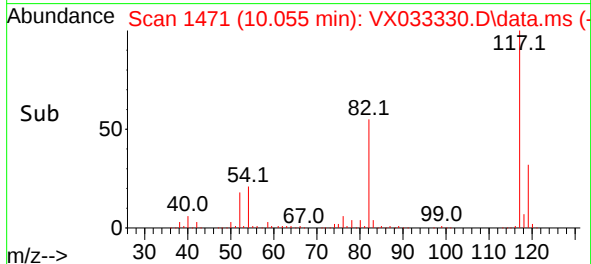
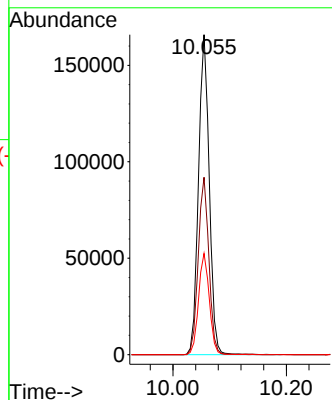
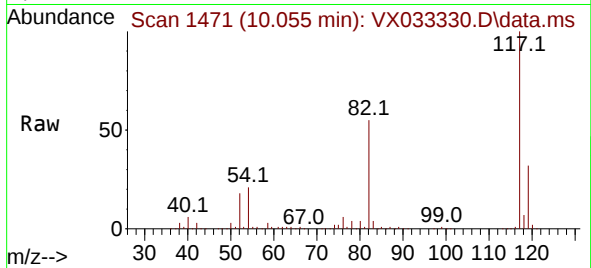




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

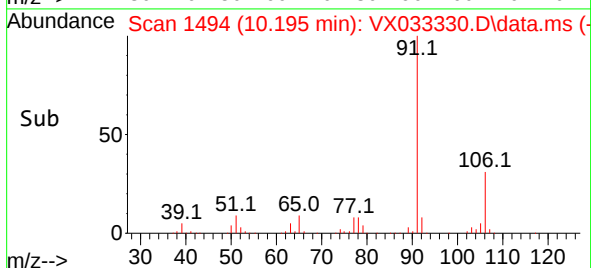
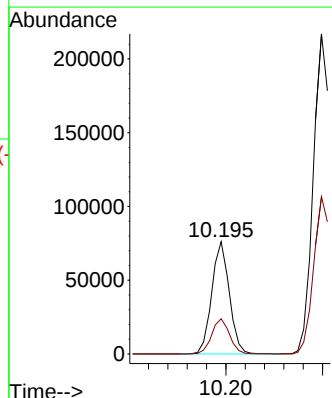
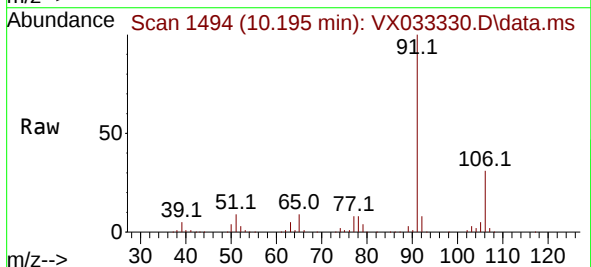
Instrument :
MSVOA_X
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1922

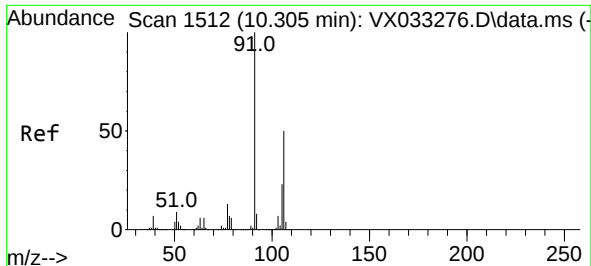
Tgt Ion:117 Resp: 217788
Ion Ratio Lower Upper
117 100
82 55.5 44.3 66.5
119 31.6 25.7 38.5



#67
Ethyl Benzene
Concen: 12.495 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

Tgt Ion: 91 Resp: 95999
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6

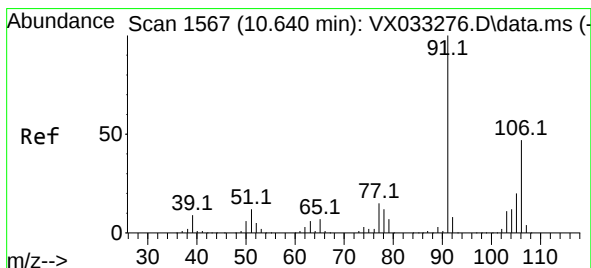
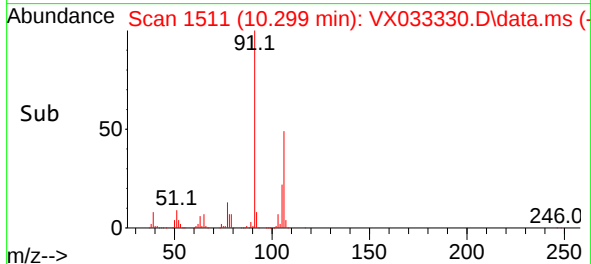
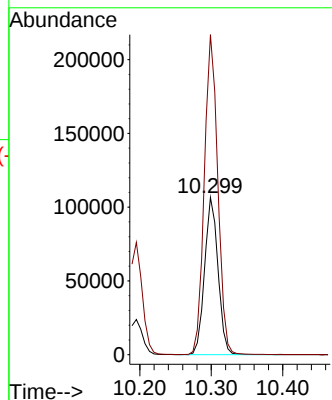
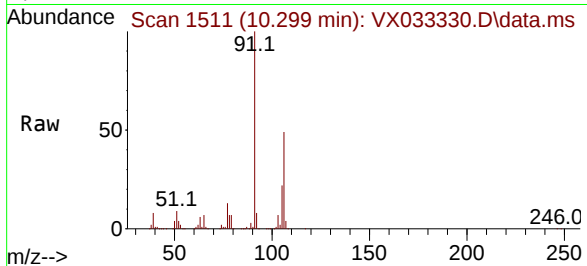




#68
m/p-Xylenes
Concen: 46.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

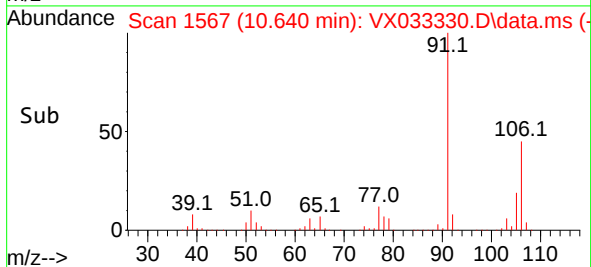
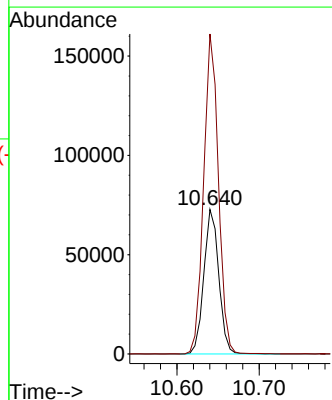
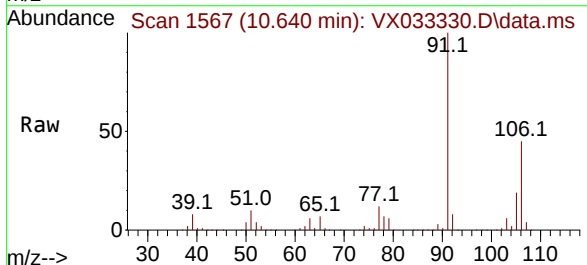
Instrument :
MSVOA_X
ClientSampleId :
1922

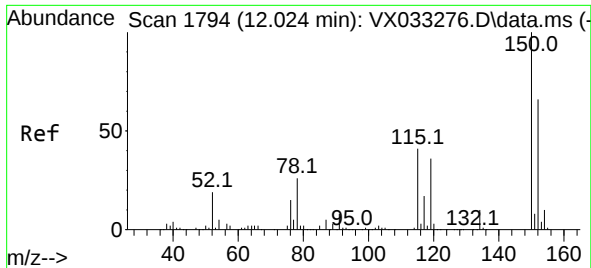
Tgt Ion:106 Resp: 139049
Ion Ratio Lower Upper
106 100
91 204.1 164.5 246.7



#69
o-Xylene
Concen: 31.089 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

Tgt Ion:106 Resp: 91860
Ion Ratio Lower Upper
106 100
91 218.5 109.2 327.6

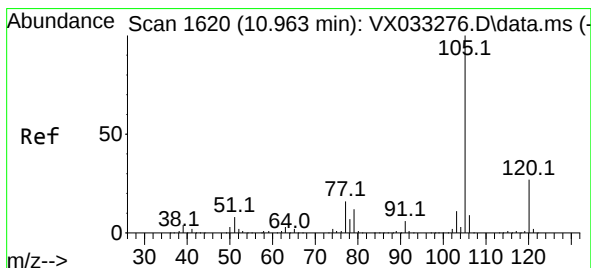
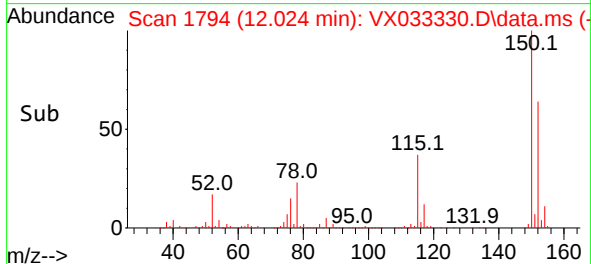
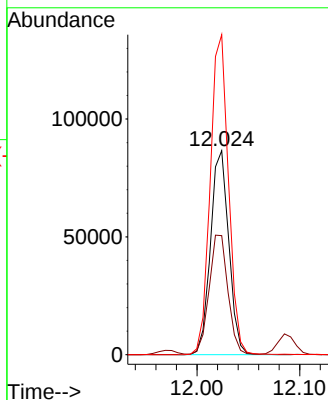
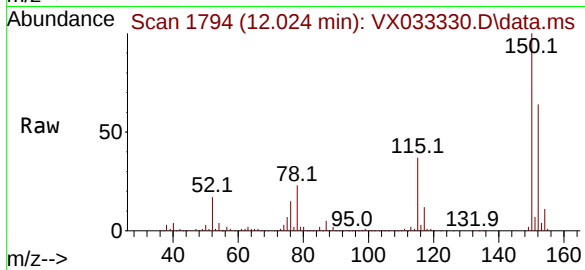




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

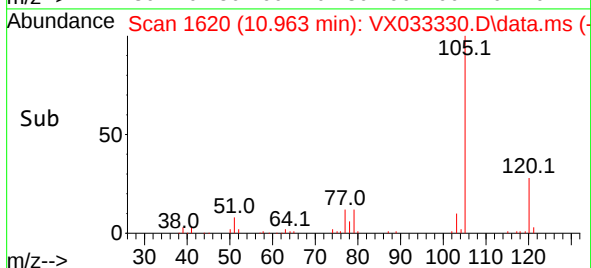
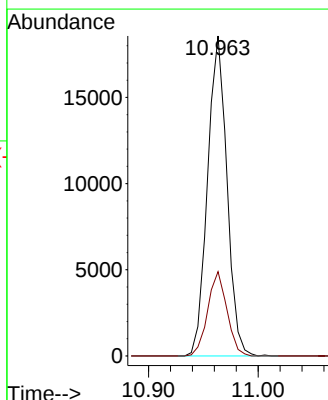
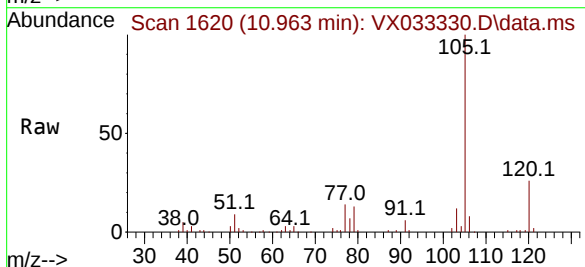
Instrument :
MSVOA_X
ClientSampleId :
1922

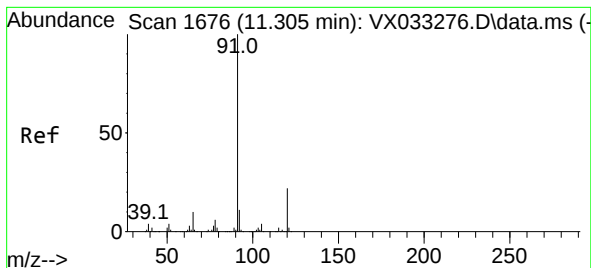
Tgt Ion:152 Resp: 106919
Ion Ratio Lower Upper
152 100
115 60.6 44.0 132.0
150 155.9 0.0 351.8



#73
Isopropylbenzene
Concen: 2.937 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

Tgt Ion:105 Resp: 22764
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.3





#78

n-propylbenzene

Concen: 8.366 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX033330.D

Acq: 08 Dec 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

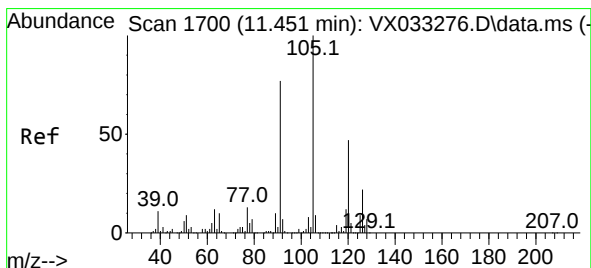
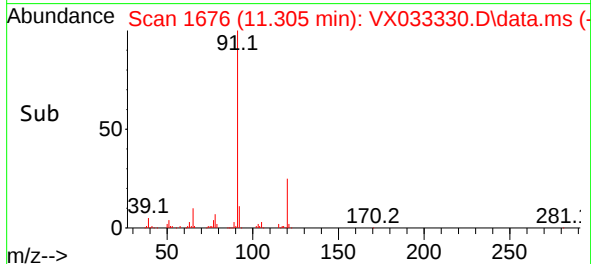
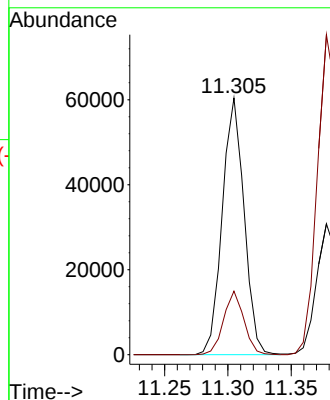
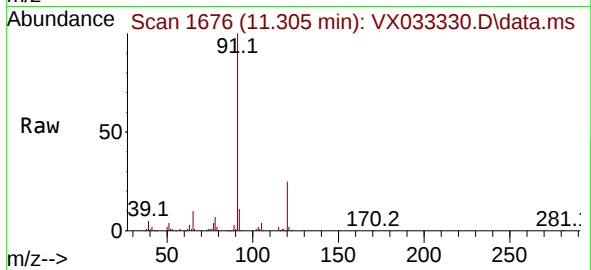
1922

Tgt Ion: 91 Resp: 72393

Ion Ratio Lower Upper

91 100

120 23.0 11.6 34.8



#80

1,3,5-Trimethylbenzene

Concen: 17.724 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX033330.D

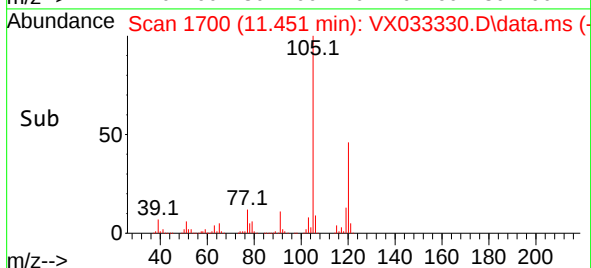
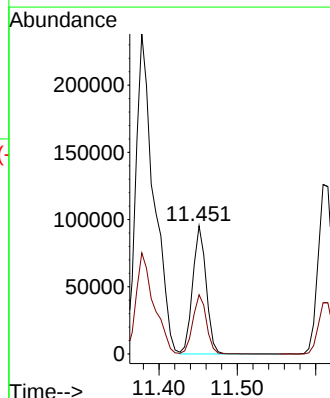
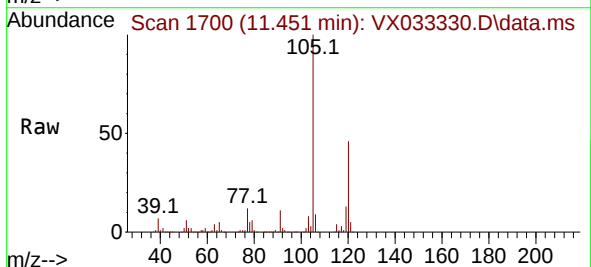
Acq: 08 Dec 2022 17:50

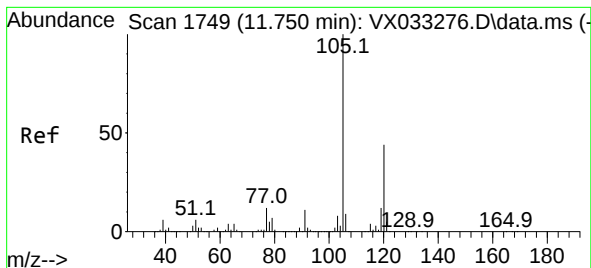
Tgt Ion: 105 Resp: 114331

Ion Ratio Lower Upper

105 100

120 46.4 23.6 71.0





#84

1,2,4-Trimethylbenzene

Concen: 86.814 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX033330.D

Acq: 08 Dec 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

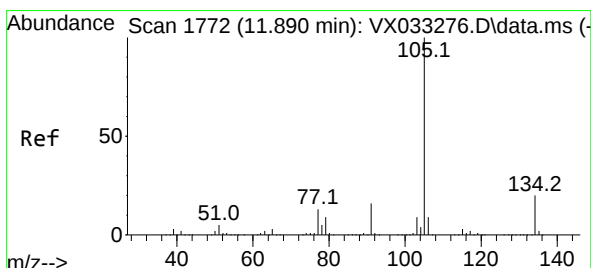
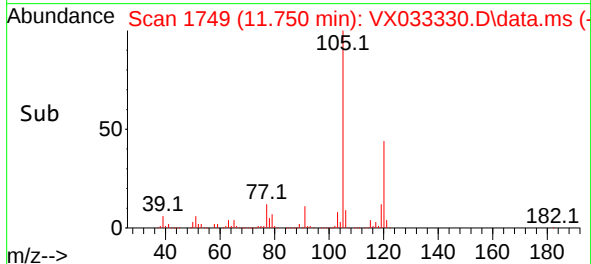
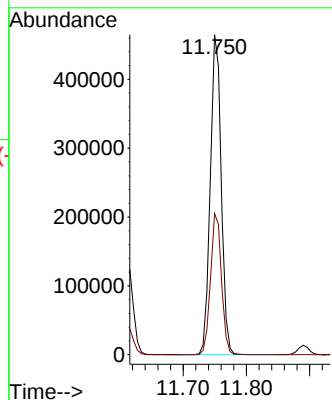
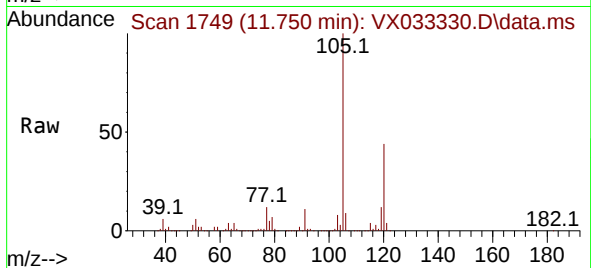
1922

Tgt Ion:105 Resp: 559013

Ion Ratio Lower Upper

105 100

120 44.2 21.9 65.5



#85

sec-Butylbenzene

Concen: 2.242 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX033330.D

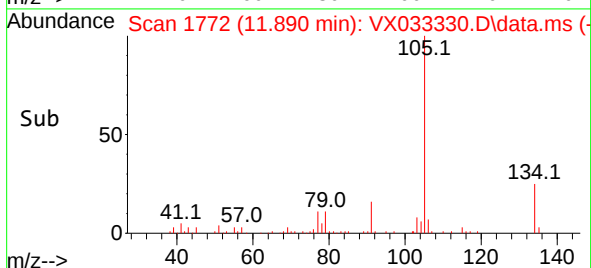
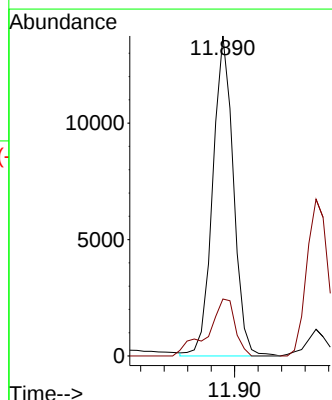
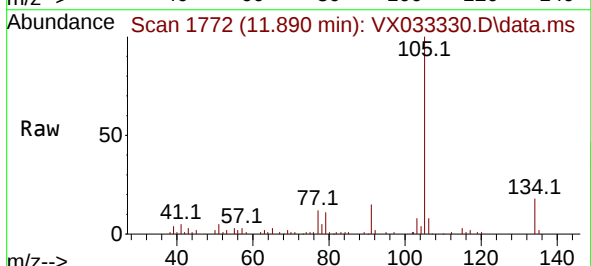
Acq: 08 Dec 2022 17:50

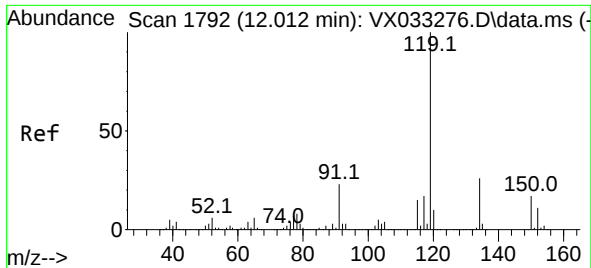
Tgt Ion:105 Resp: 16827

Ion Ratio Lower Upper

105 100

134 23.5 9.9 29.7

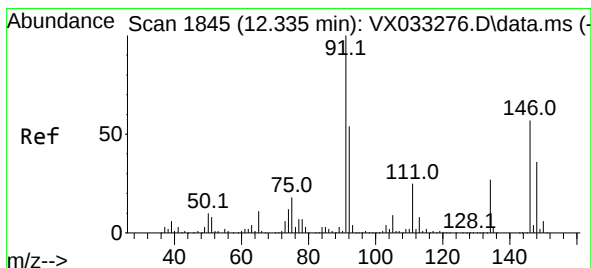
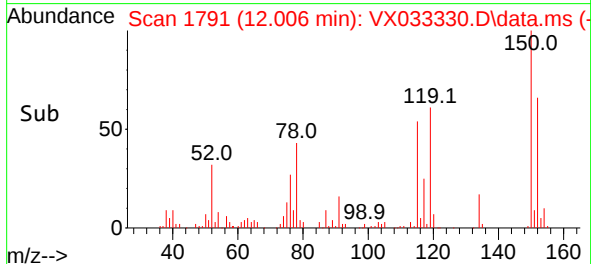
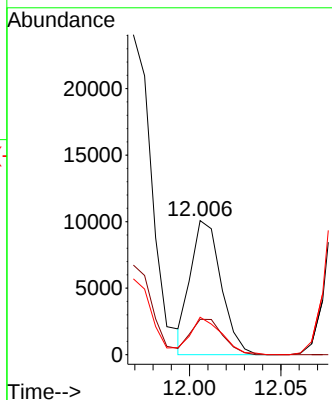
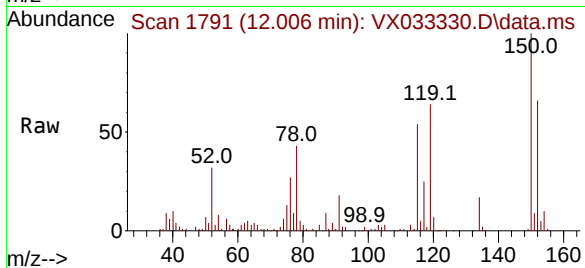




#86
p-Isopropyltoluene
Concen: 1.812 ug/l
RT: 12.006 min Scan# 1192
Delta R.T. -0.006 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

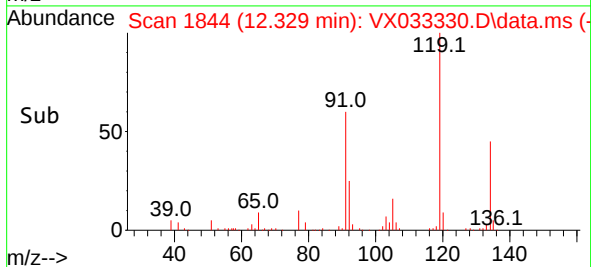
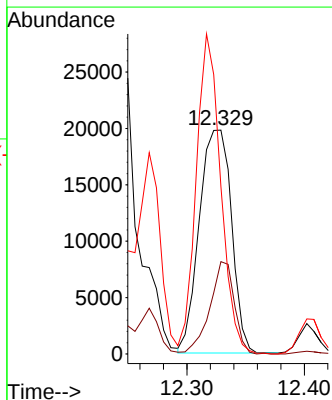
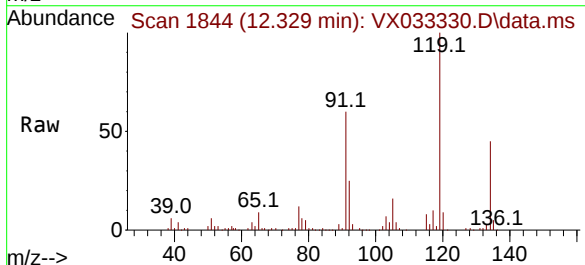
Instrument :
MSVOA_X
ClientSampleId :
1922

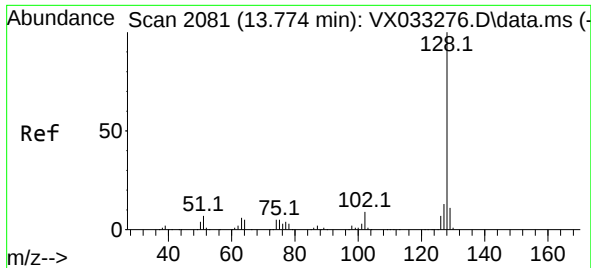
Tgt Ion:119 Resp: 11722
Ion Ratio Lower Upper
119 100
134 28.1 12.9 38.7
91 29.6 12.5 37.5



#89
n-Butylbenzene
Concen: 7.118 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX033330.D
Acq: 08 Dec 2022 17:50

Tgt Ion: 91 Resp: 37723
Ion Ratio Lower Upper
91 100
92 31.5 26.2 78.6
134 108.9 12.9 38.6#





#95

Naphthalene

Concen: 19.975 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX033330.D

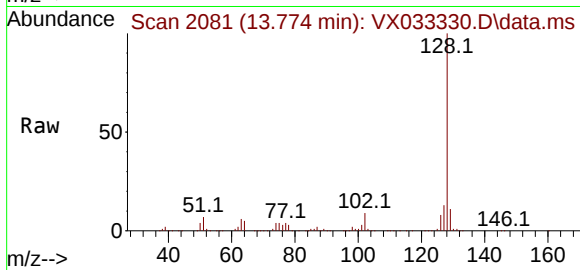
Acq: 08 Dec 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

1922



Tgt Ion:128 Resp: 142617

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.4 8.9 13.3

