

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020922\
 Data File : VX026883.D
 Acq On : 09 Feb 2022 20:48
 Operator : JC/MD
 Sample : N1425-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20422

Quant Time: Feb 10 01:10:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

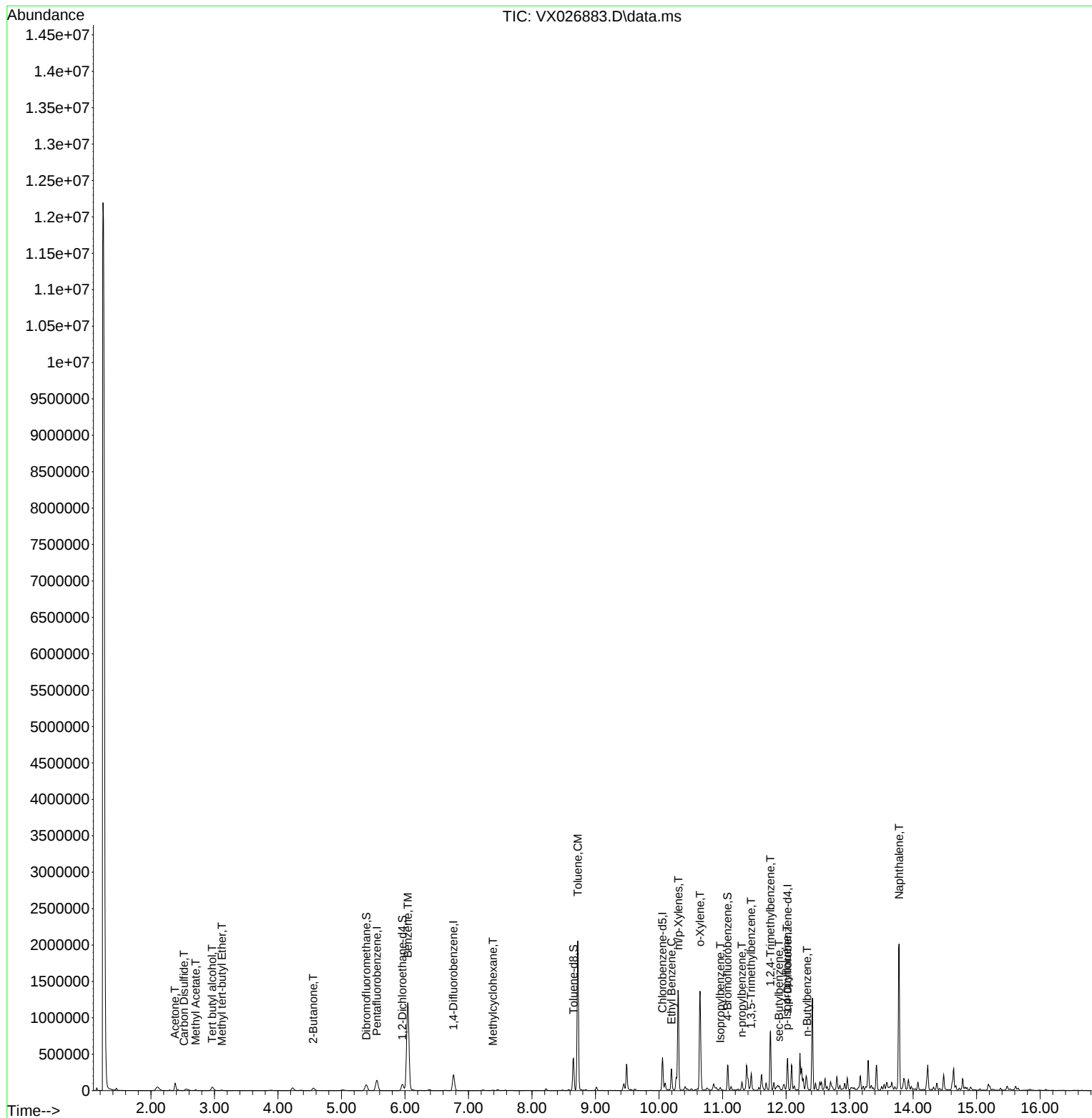
Internal Standards						
1) Pentafluorobenzene	5.556	168	134199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	223214	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86238	53.533	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.060%			
35) Dibromofluoromethane	5.391	113	69615	52.348	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.700%			
50) Toluene-d8	8.653	98	265807	54.451	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.900%			
62) 4-Bromofluorobenzene	11.079	95	97472	56.715	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.420%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	72419	248.846	ug/l	97
16) Acetone	2.380	43	112318	158.747	ug/l	97
17) Carbon Disulfide	2.520	76	881	0.227	ug/l #	93
18) Methyl Acetate	2.703	43	14667	7.205	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	8687	1.787	ug/l	99
25) 2-Butanone	4.556	43	61952	54.346	ug/l	98
39) Methylcyclohexane	7.385	83	2786	1.083	ug/l	96
40) Benzene	6.043	78	1455226	238.001	ug/l	99
52) Toluene	8.720	92	764898	197.588	ug/l	99
67) Ethyl Benzene	10.195	91	161488	21.618	ug/l	99
68) m/p-Xylenes	10.305	106	320303	111.448	ug/l	98
69) o-Xylene	10.646	106	266744	94.719	ug/l	98
73) Isopropylbenzene	10.963	105	17857	2.557	ug/l	100
78) n-propylbenzene	11.305	91	62592	8.084	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	98476	17.131	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	364050	62.788	ug/l	98
85) sec-Butylbenzene	11.890	105	18095	2.606	ug/l	90
86) p-Isopropyltoluene	12.012	119	11394	1.937	ug/l	95
89) n-Butylbenzene	12.329	91	35193	7.311	ug/l #	45
95) Naphthalene	13.780	128	1267866	195.390	ug/l	99

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

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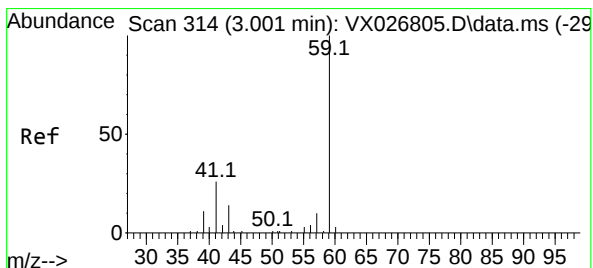
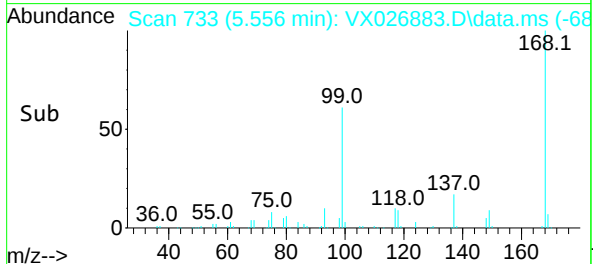
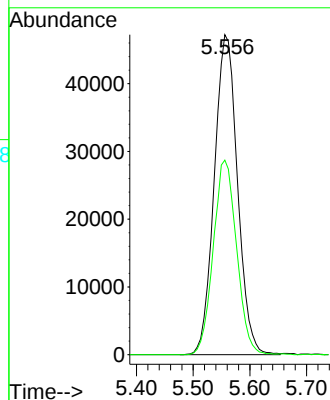
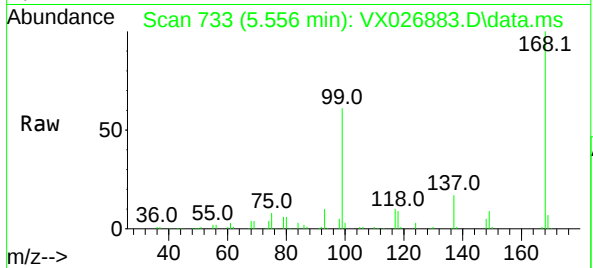




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

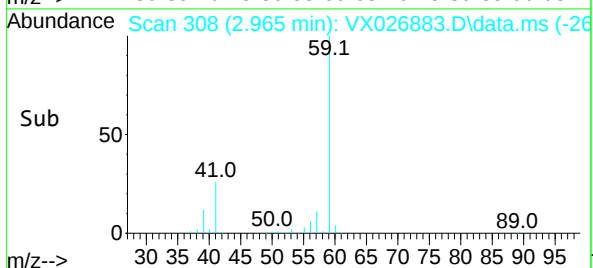
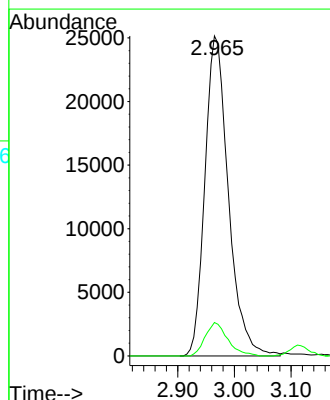
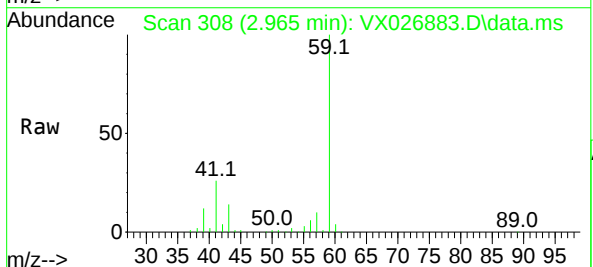
Instrument :
MSVOA_X
ClientSampleId :
20422

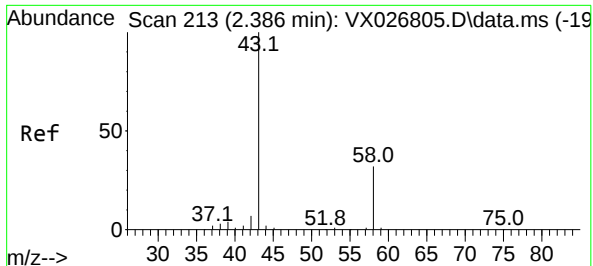
Tgt Ion:168 Resp: 134199
Ion Ratio Lower Upper
168 100
99 60.8 50.3 75.5



#11
Tert butyl alcohol
Concen: 248.846 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.036 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

Tgt Ion: 59 Resp: 72419
Ion Ratio Lower Upper
59 100
57 10.0 7.2 10.8

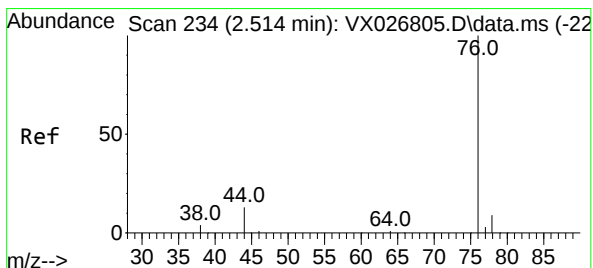
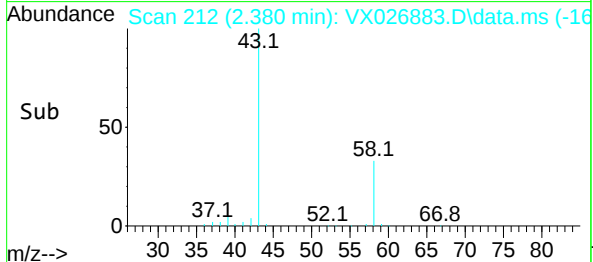
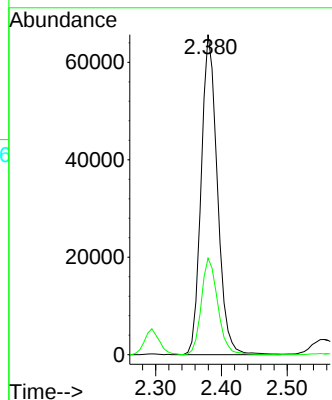
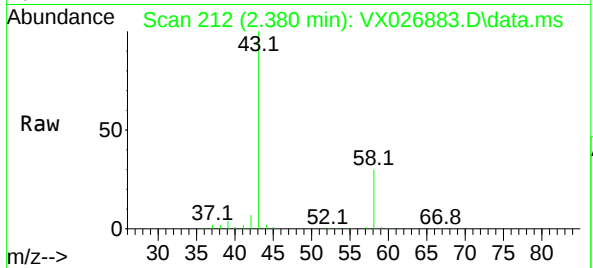




#16
Acetone
Concen: 158.747 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

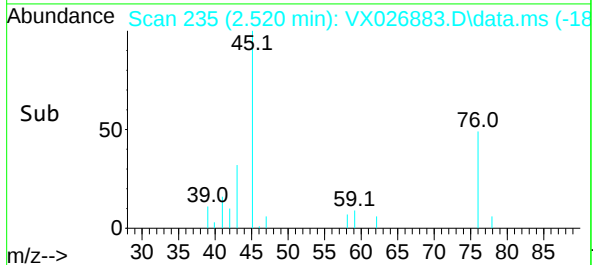
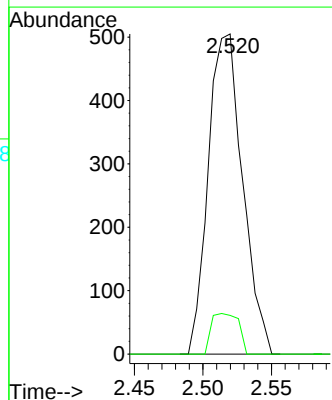
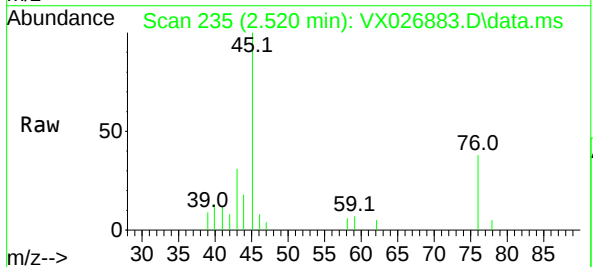
Instrument :
MSVOA_X
ClientSampleId :
20422

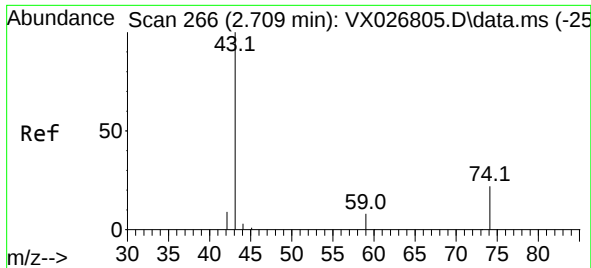
Tgt Ion: 43 Resp: 112318
Ion Ratio Lower Upper
43 100
58 30.1 23.0 34.6



#17
Carbon Disulfide
Concen: 0.227 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

Tgt Ion: 76 Resp: 881
Ion Ratio Lower Upper
76 100
78 12.1 7.5 11.3#

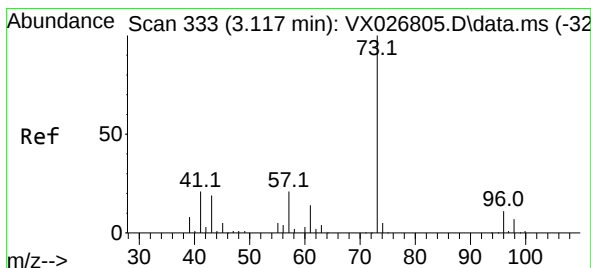
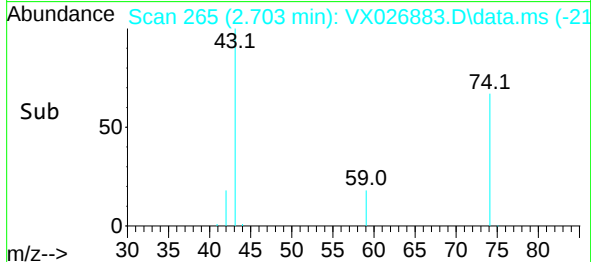
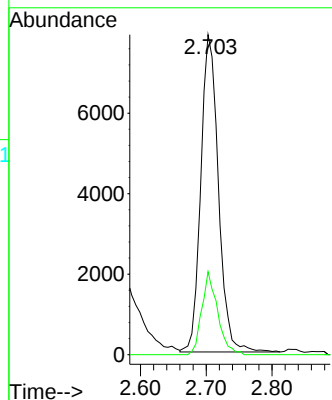
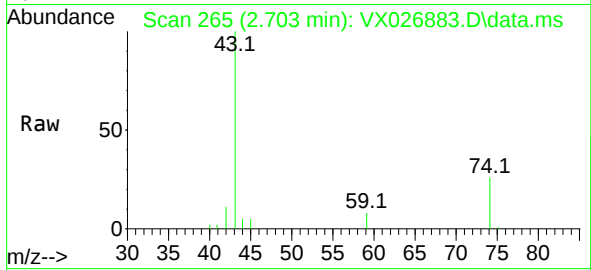




#18
Methyl Acetate
Concen: 7.205 ug/l
RT: 2.703 min Scan# 20422
Delta R.T. -0.006 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

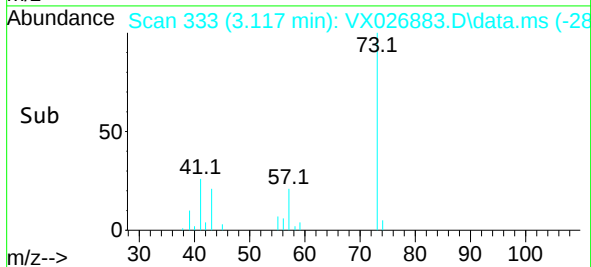
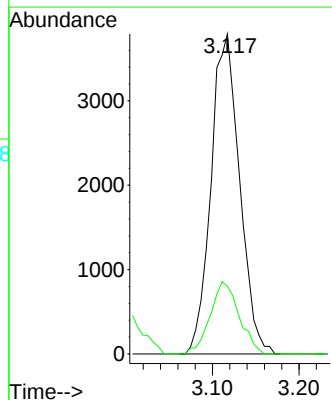
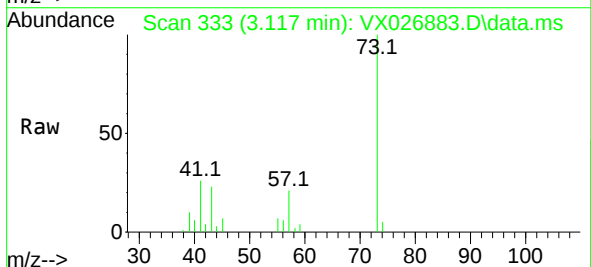
Instrument :
MSVOA_X
ClientSampleId :
20422

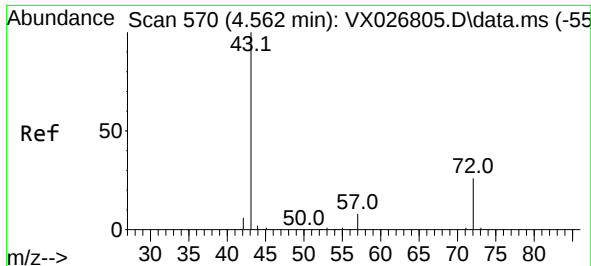
Tgt Ion: 43 Resp: 14667
Ion Ratio Lower Upper
43 100
74 23.5 18.3 27.5



#19
Methyl tert-butyl Ether
Concen: 1.787 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

Tgt Ion: 73 Resp: 8687
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.2

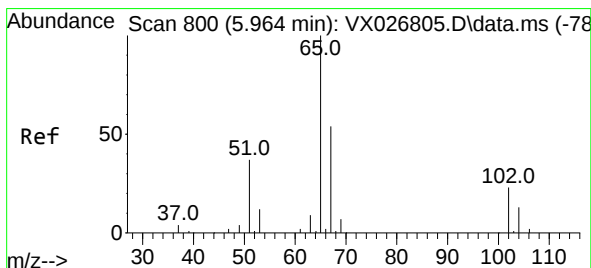
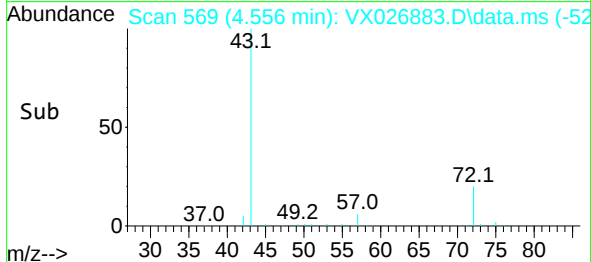
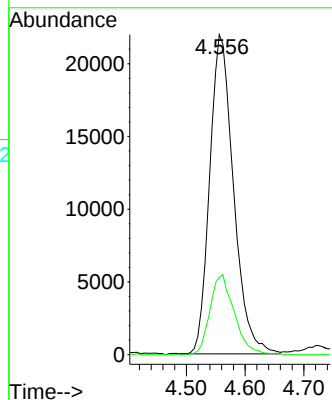
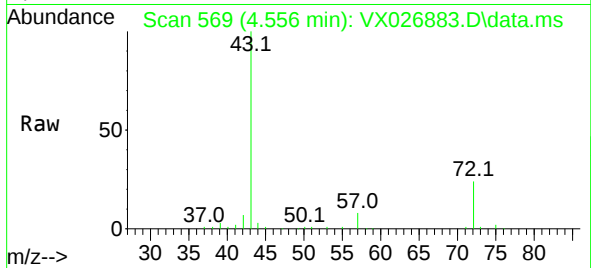




#25
2-Butanone
Concen: 54.346 ug/l
RT: 4.556 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

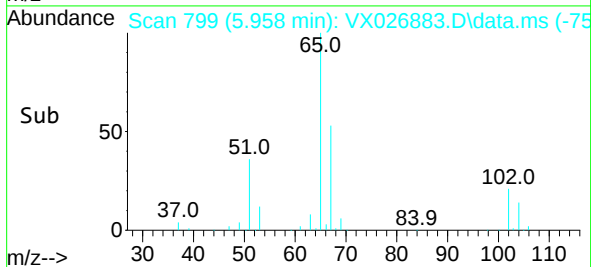
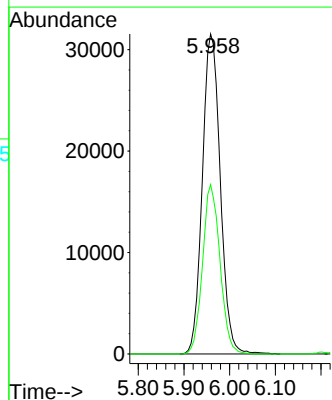
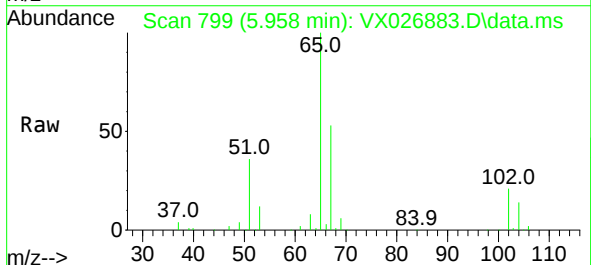
Instrument :
MSVOA_X
ClientSampleId :
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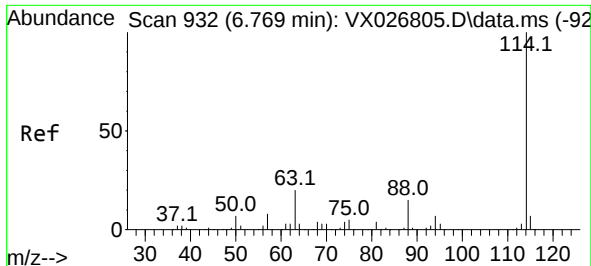
Tgt Ion: 43 Resp: 61952
Ion Ratio Lower Upper
43 100
72 24.3 20.4 30.6



#33
1,2-Dichloroethane-d4
Concen: 53.533 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

Tgt Ion: 65 Resp: 86238
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.8

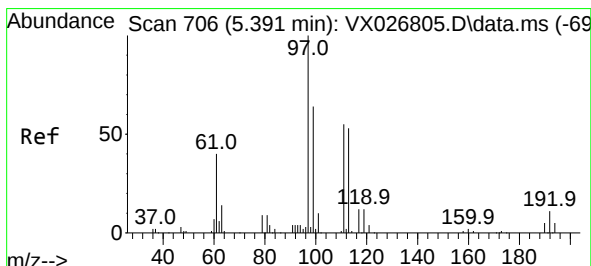
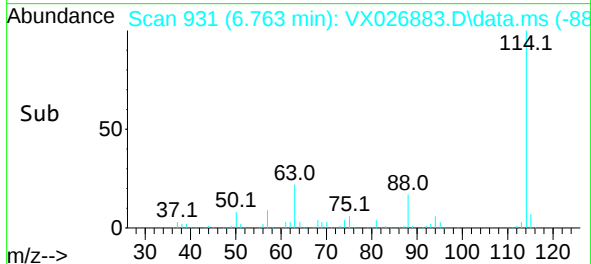
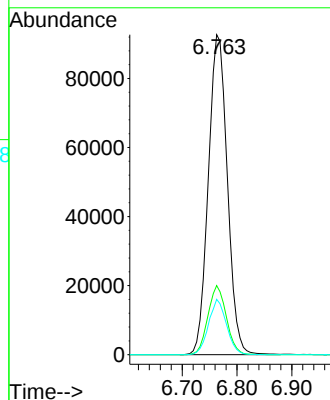
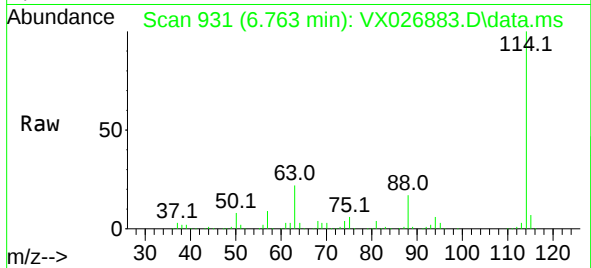




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

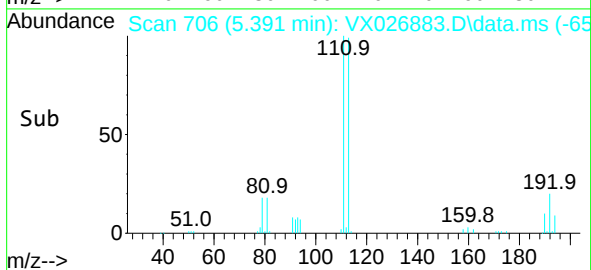
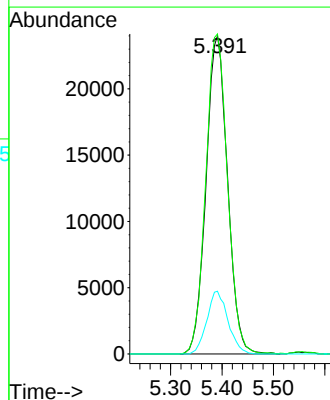
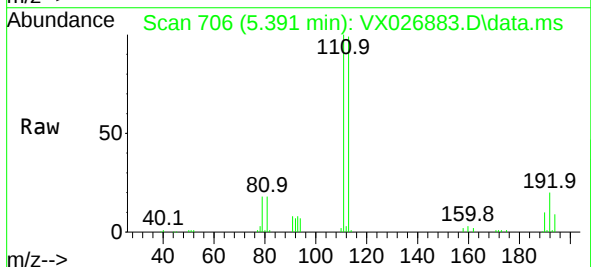
Instrument :
MSVOA_X
ClientSampleId :
20422

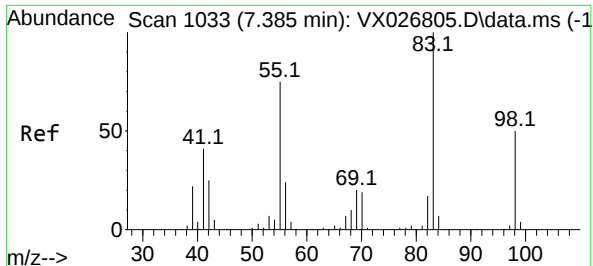
Tgt Ion:114 Resp: 223214
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.8
88 17.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 52.348 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

Tgt Ion:113 Resp: 69615
Ion Ratio Lower Upper
113 100
111 101.8 81.2 121.8
192 19.4 15.0 22.4





#39

Methylcyclohexane

Concen: 1.083 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX026883.D

Acq: 09 Feb 2022 20:48

Instrument :

MSVOA_X

ClientSampleId :

20422

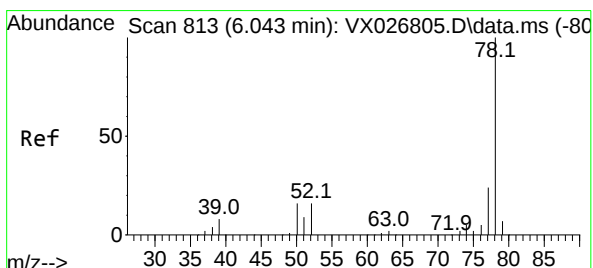
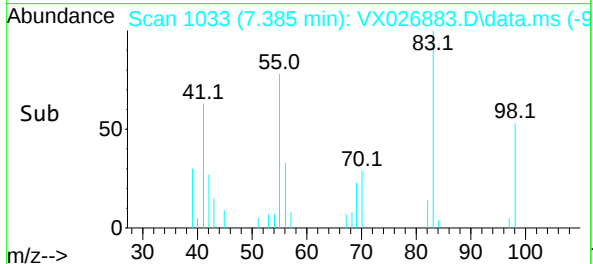
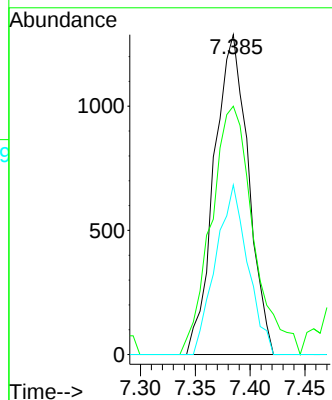
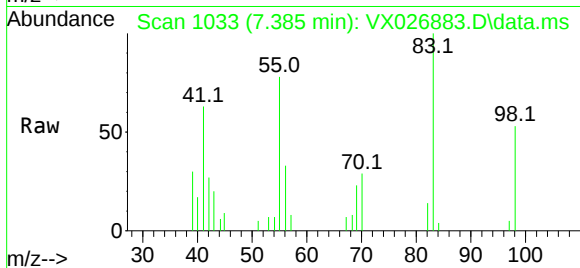
Tgt Ion: 83 Resp: 2786

Ion Ratio Lower Upper

83 100

55 77.6 63.6 95.4

98 53.0 38.4 57.6



#40

Benzene

Concen: 238.001 ug/l

RT: 6.043 min Scan# 813

Delta R.T. 0.000 min

Lab File: VX026883.D

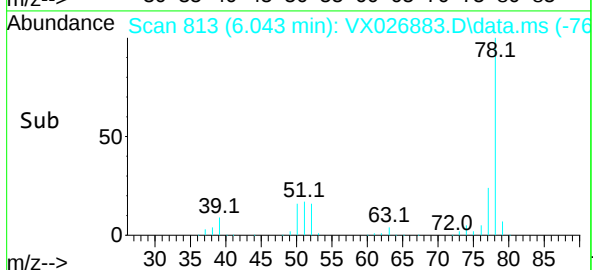
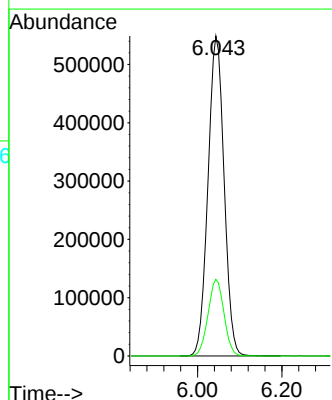
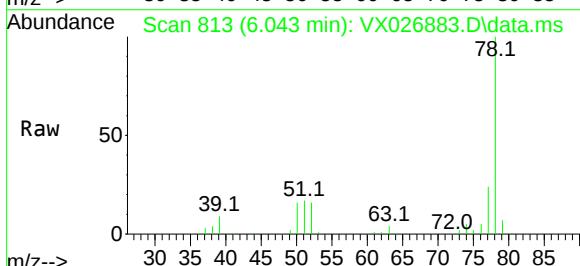
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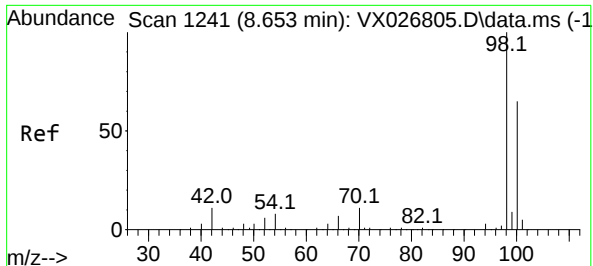
Tgt Ion: 78 Resp: 1455226

Ion Ratio Lower Upper

78 100

77 23.9 18.9 28.3





#50

Toluene-d8

Concen: 54.451 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX026883.D

Acq: 09 Feb 2022 20:48

Instrument :

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ClientSampleId :

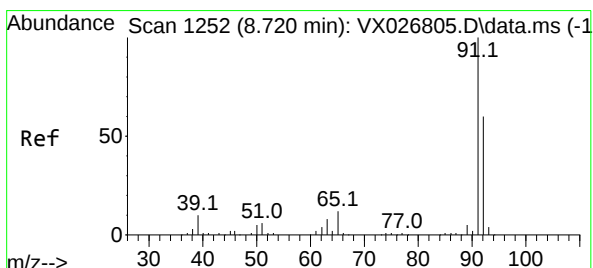
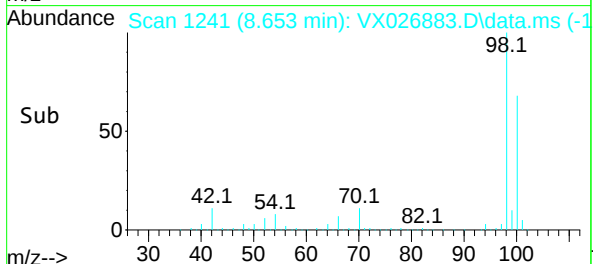
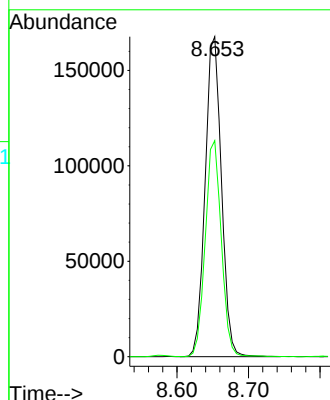
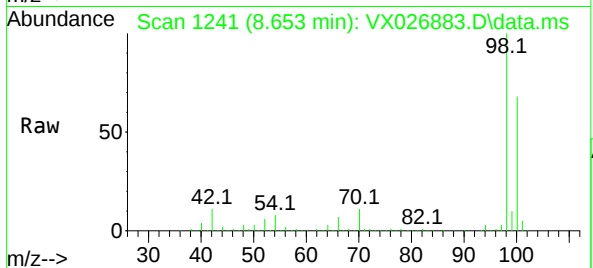
20422

Tgt Ion: 98 Resp: 265807

Ion Ratio Lower Upper

98 100

100 66.6 53.2 79.8



#52

Toluene

Concen: 197.588 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX026883.D

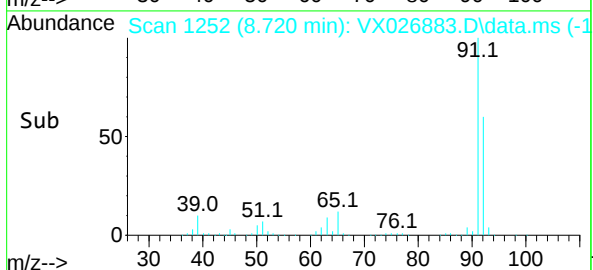
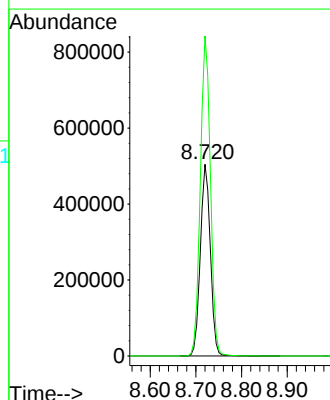
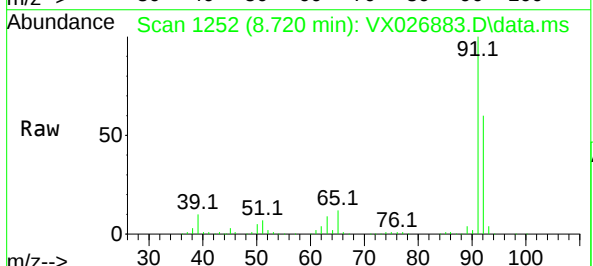
Acq: 09 Feb 2022 20:48

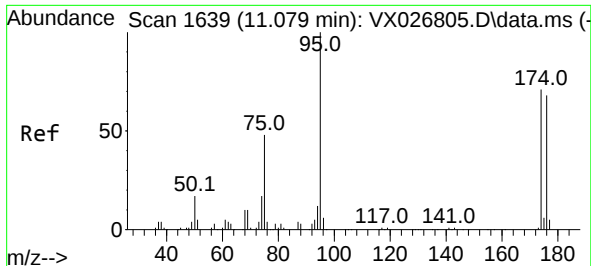
Tgt Ion: 92 Resp: 764898

Ion Ratio Lower Upper

92 100

91 168.2 135.7 203.5

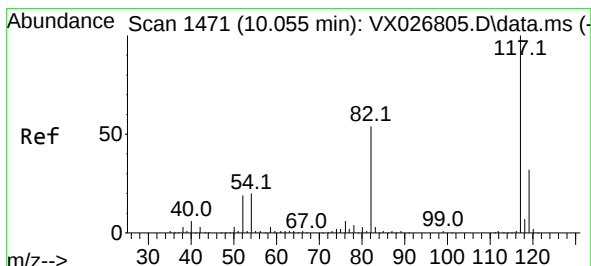
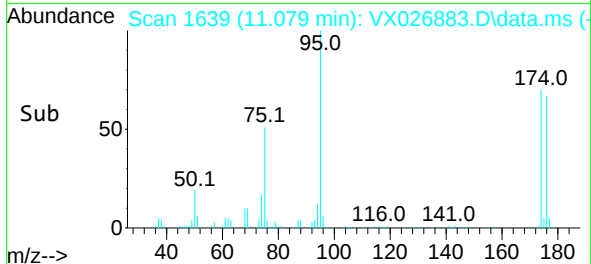
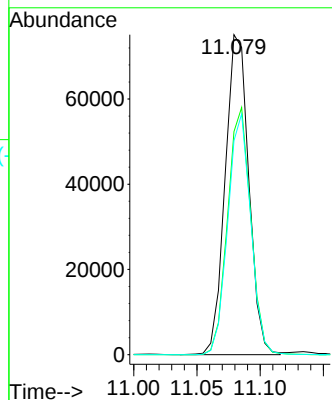
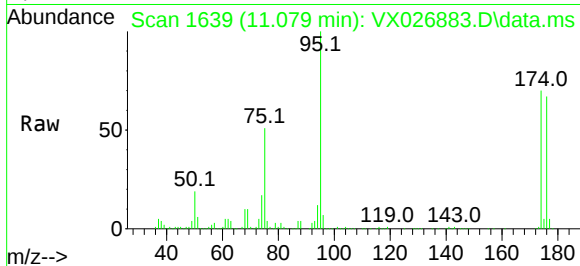




#62
4-Bromofluorobenzene
Concen: 56.715 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

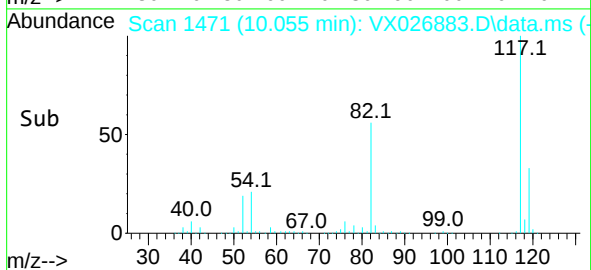
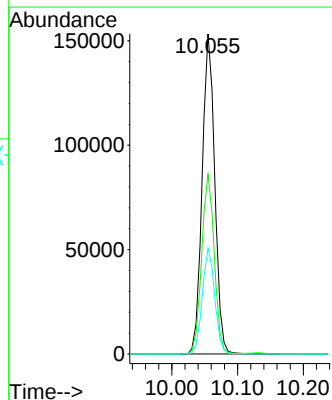
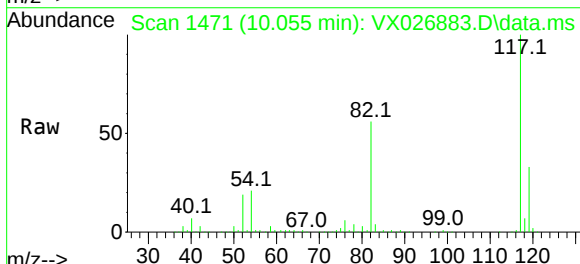
Instrument :
MSVOA_X
ClientSampleId :
20422

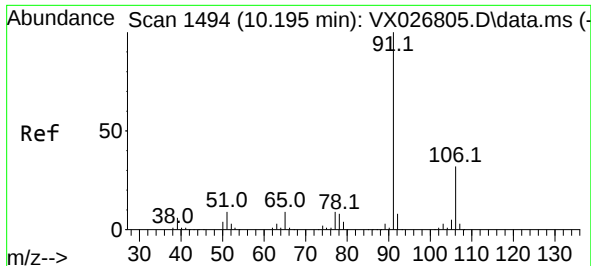
Tgt Ion: 95 Resp: 97472
Ion Ratio Lower Upper
95 100
174 75.7 0.0 148.6
176 73.1 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

Tgt Ion: 117 Resp: 204080
Ion Ratio Lower Upper
117 100
82 56.1 45.2 67.8
119 33.0 26.2 39.2





#67

Ethyl Benzene

Concen: 21.618 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX026883.D

Acq: 09 Feb 2022 20:48

Instrument :

MSVOA_X

ClientSampleId :

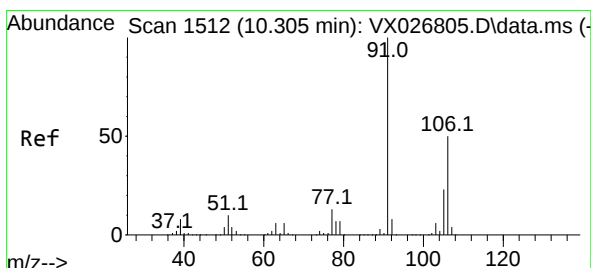
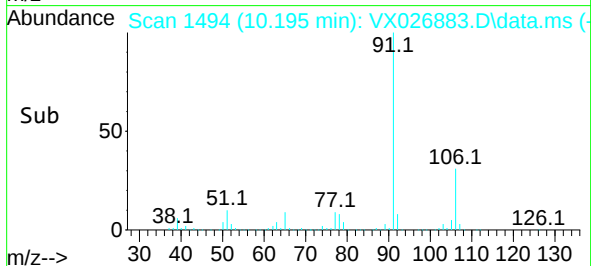
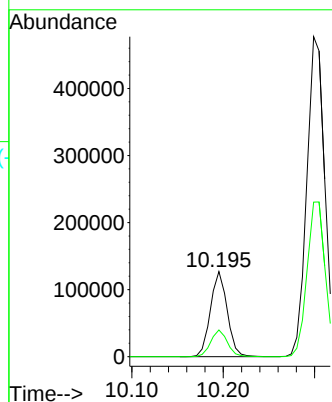
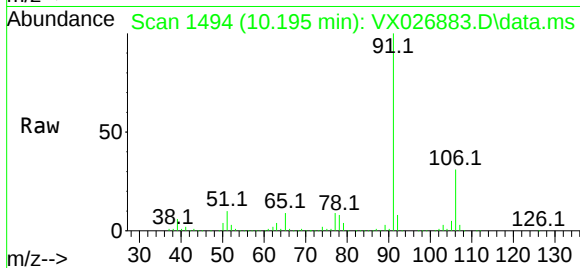
20422

Tgt Ion: 91 Resp: 161488

Ion Ratio Lower Upper

91 100

106 31.5 24.7 37.1



#68

m/p-Xylenes

Concen: 111.448 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX026883.D

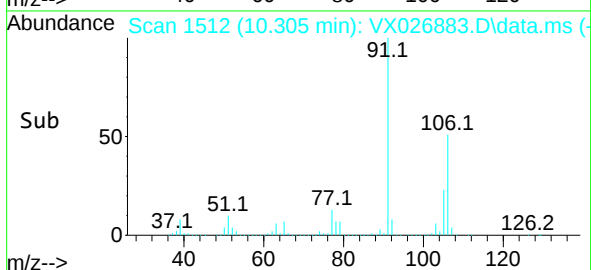
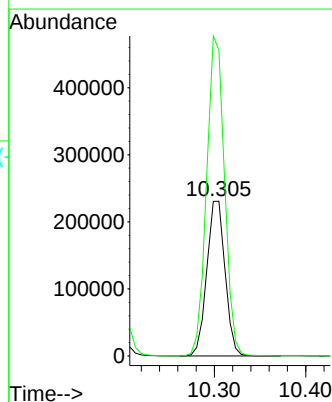
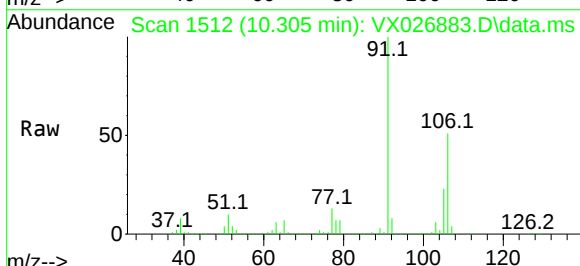
Acq: 09 Feb 2022 20:48

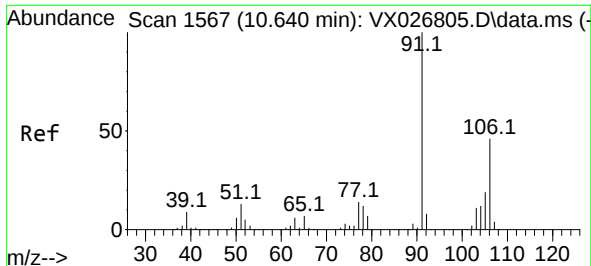
Tgt Ion:106 Resp: 320303

Ion Ratio Lower Upper

106 100

91 202.7 165.3 247.9

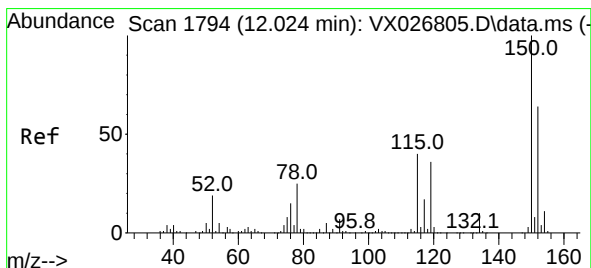
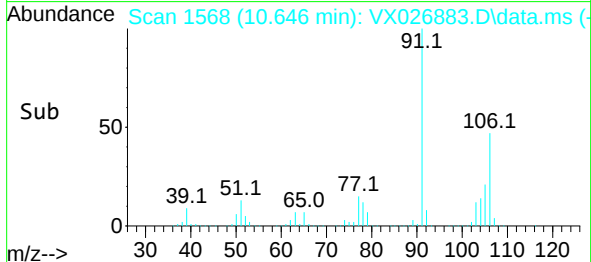
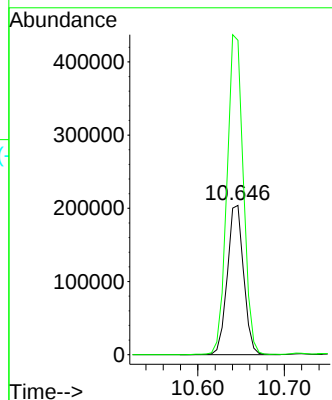
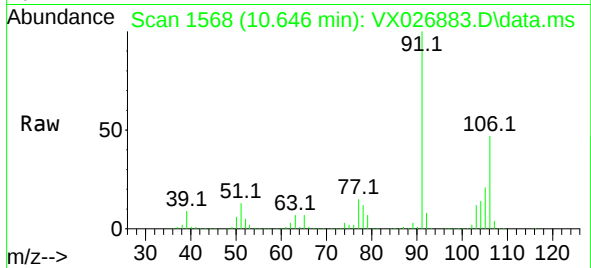




#69
o-Xylene
Concen: 94.719 ug/l
RT: 10.646 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

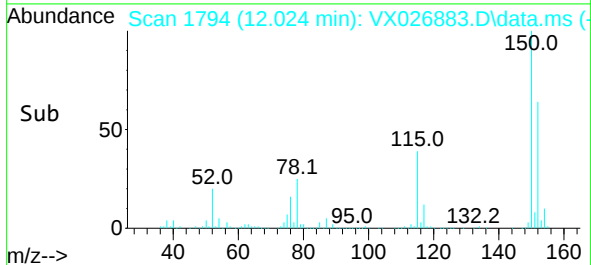
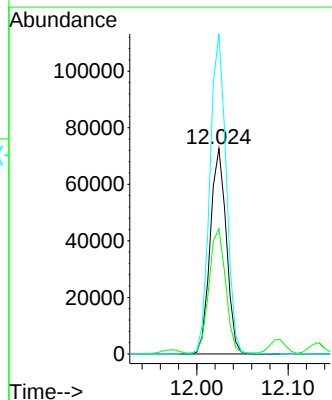
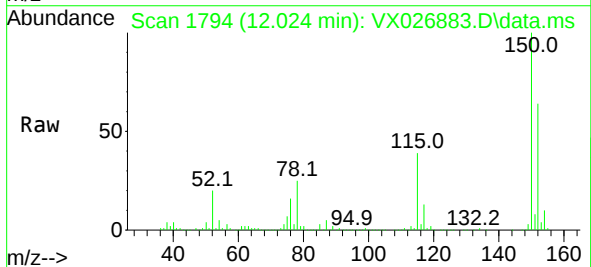
Instrument :
MSVOA_X
ClientSampleId :
20422

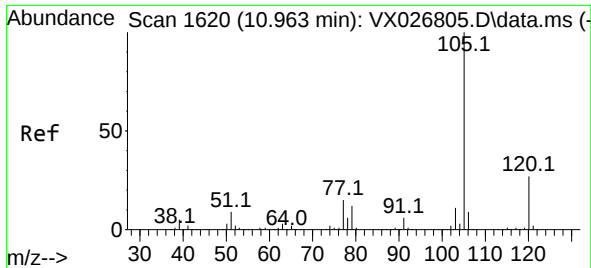
Tgt Ion:106 Resp: 266744
Ion Ratio Lower Upper
106 100
91 215.5 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

Tgt Ion:152 Resp: 88670
Ion Ratio Lower Upper
152 100
115 63.0 44.2 132.6
150 157.5 0.0 348.2

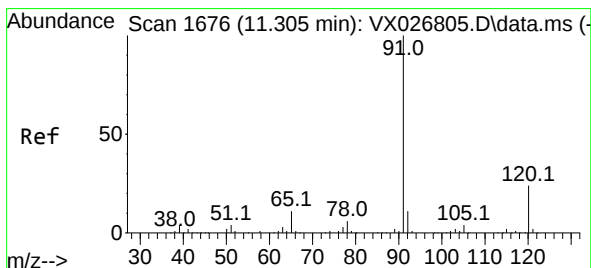
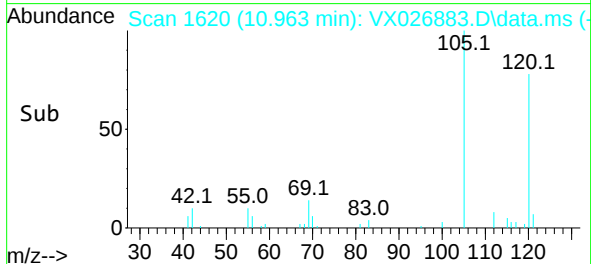
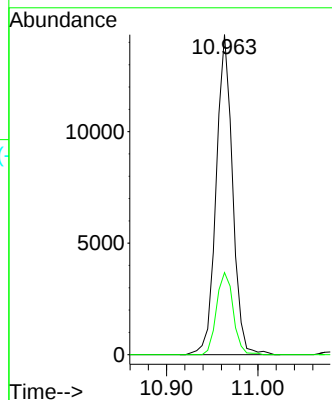
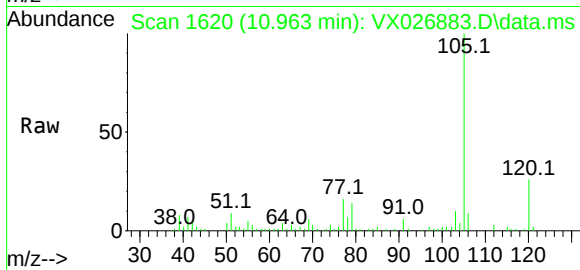




#73
Isopropylbenzene
Concen: 2.557 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

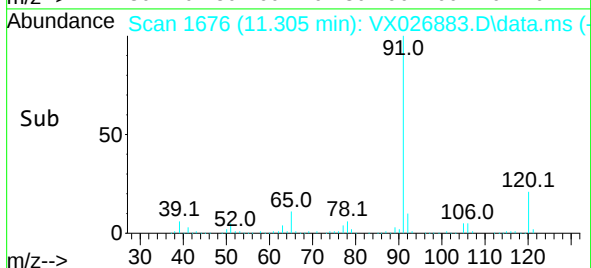
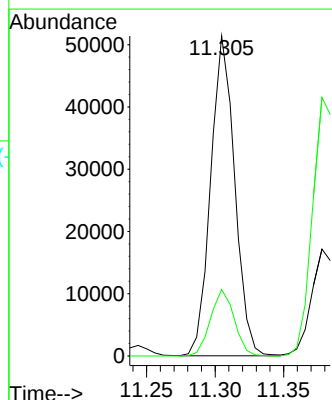
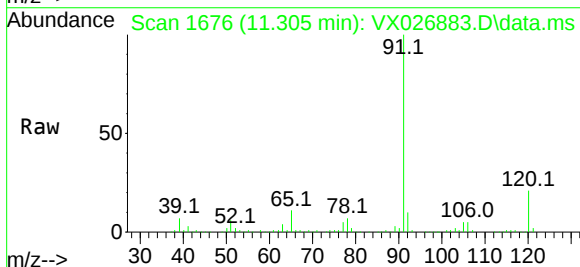
Instrument :
MSVOA_X
ClientSampleId :
20422

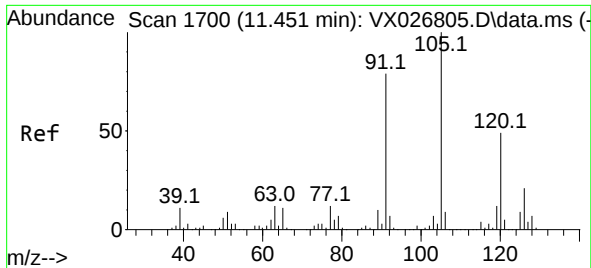
Tgt Ion:105 Resp: 17857
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.1



#78
n-propylbenzene
Concen: 8.084 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX026883.D
Acq: 09 Feb 2022 20:48

Tgt Ion: 91 Resp: 62592
Ion Ratio Lower Upper
91 100
120 20.4 11.6 34.7

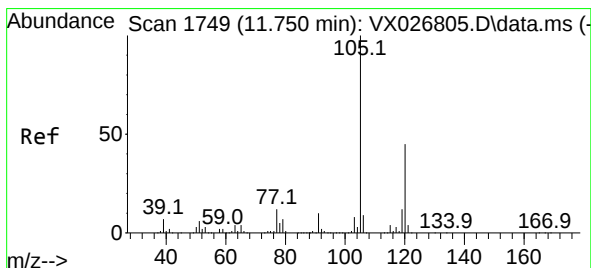
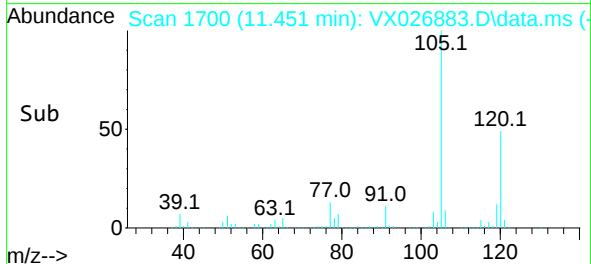
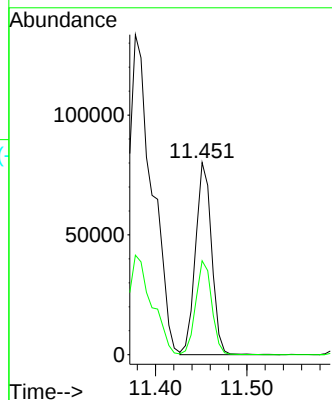
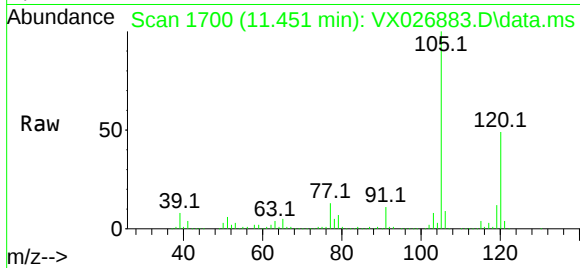




#80
 1,3,5-Trimethylbenzene
 Concen: 17.131 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX026883.D
 Acq: 09 Feb 2022 20:48

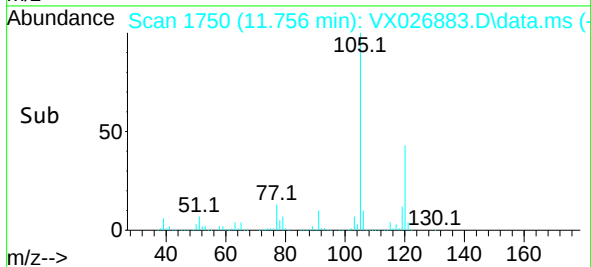
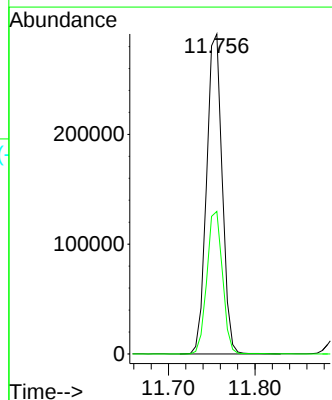
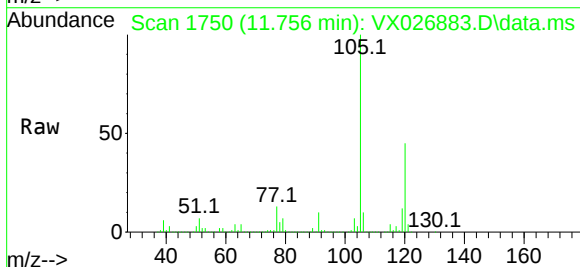
Instrument :
 MSVOA_X
 ClientSampleId :
 20422

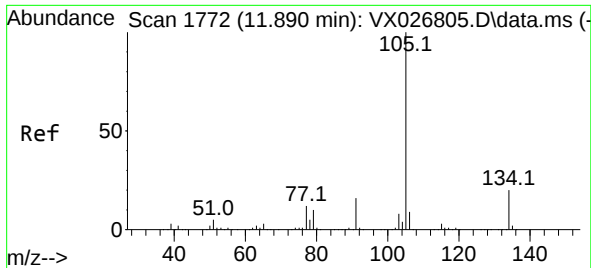
Tgt Ion:105 Resp: 98476
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.0 72.0



#84
 1,2,4-Trimethylbenzene
 Concen: 62.788 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX026883.D
 Acq: 09 Feb 2022 20:48

Tgt Ion:105 Resp: 364050
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.9 65.5

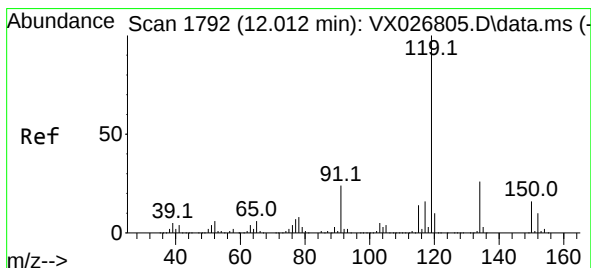
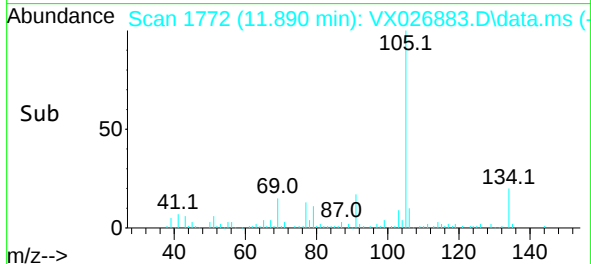
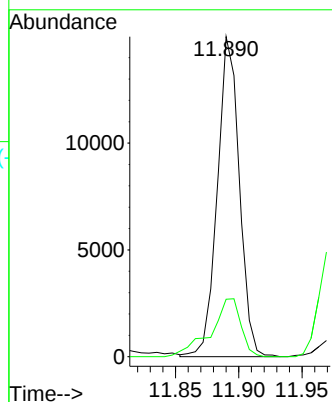
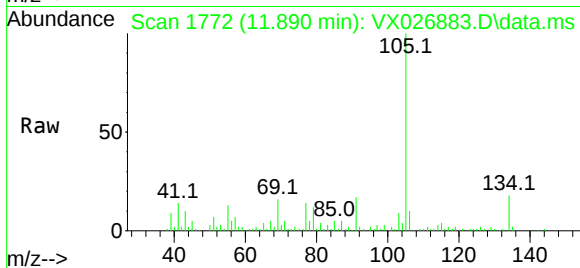




#85
 sec-Butylbenzene
 Concen: 2.606 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX026883.D
 Acq: 09 Feb 2022 20:48

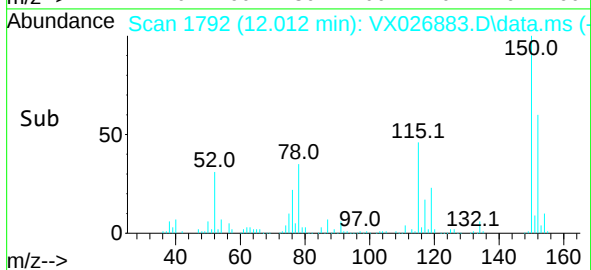
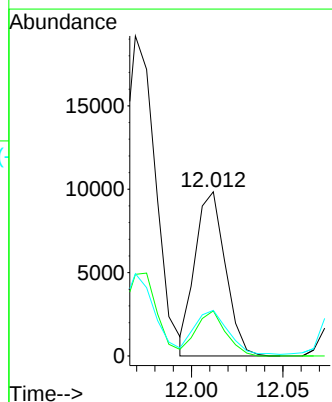
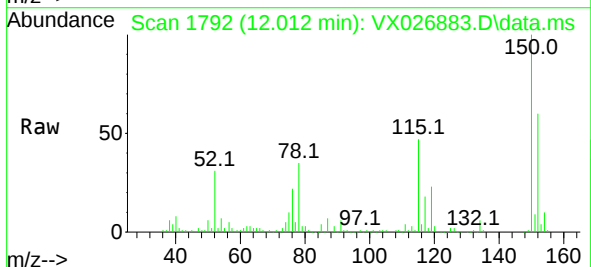
Instrument :
 MSVOA_X
 ClientSampleId :
 20422

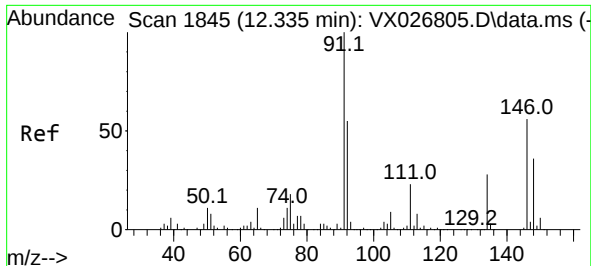
Tgt Ion:105 Resp: 18095
 Ion Ratio Lower Upper
 105 100
 134 24.9 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 1.937 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX026883.D
 Acq: 09 Feb 2022 20:48

Tgt Ion:119 Resp: 11394
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.0 39.0
 91 29.4 12.6 37.6





#89

n-Butylbenzene

Concen: 7.311 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX026883.D

Acq: 09 Feb 2022 20:48

Instrument :

MSVOA_X

ClientSampleId :

20422

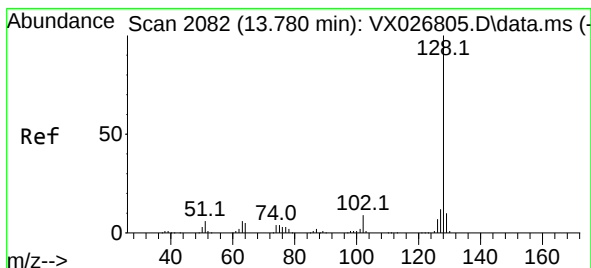
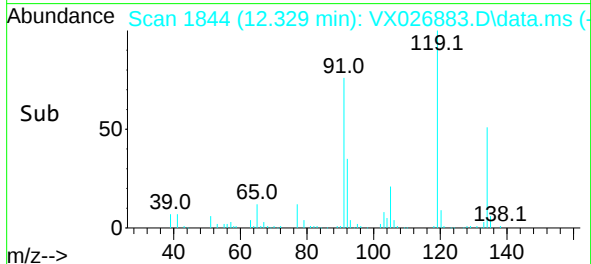
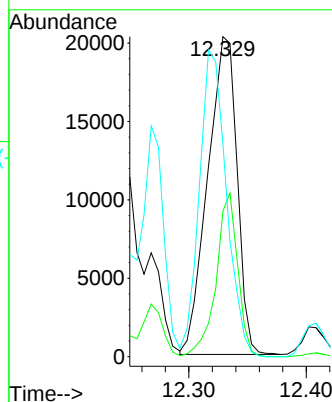
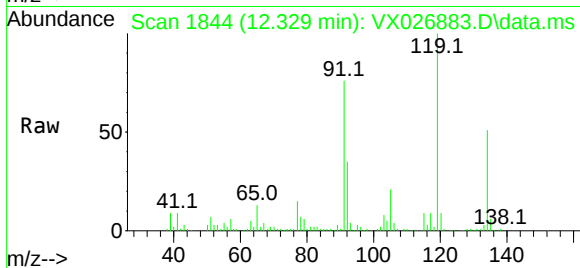
Tgt Ion: 91 Resp: 35193

Ion Ratio Lower Upper

91 100

92 38.0 27.2 81.6

134 88.8 13.1 39.1#



#95

Naphthalene

Concen: 195.390 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX026883.D

Acq: 09 Feb 2022 20:48

Tgt Ion:128 Resp: 1267866

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.2 8.7 13.1

