

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040121\
 Data File : VX021720.D
 Acq On : 01 Apr 2021 19:48
 Operator : JC/MD
 Sample : M1883-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IEC-R2

Quant Time: Apr 02 03:32:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

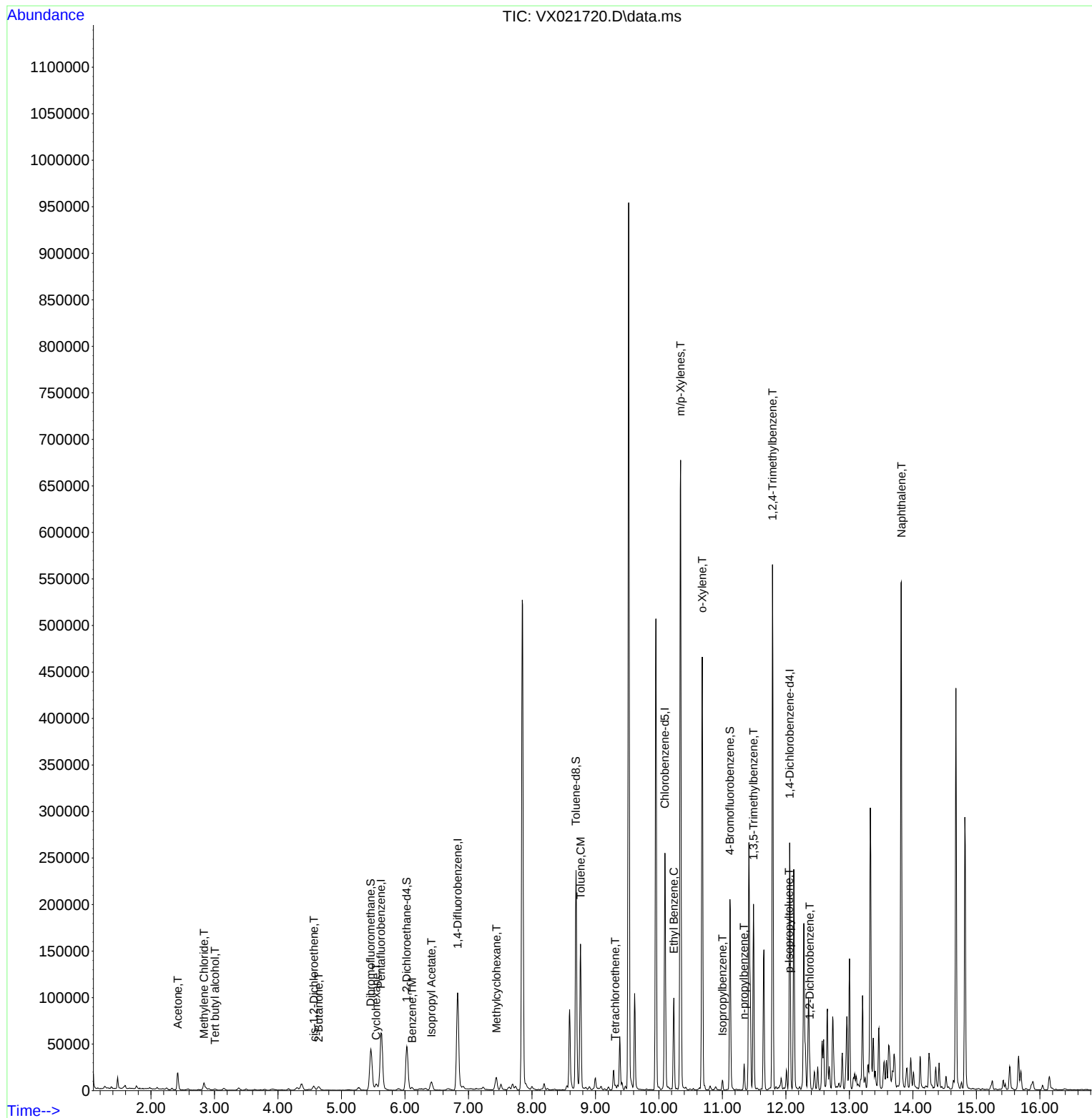
Internal Standards						
1) Pentafluorobenzene	5.623	168	55487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	97344	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	106362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	48802	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	46680	50.56	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.12%			
35) Dibromofluoromethane	5.458	113	36610	52.95	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.90%			
50) Toluene-d8	8.694	98	131123	53.22	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.44%			
62) 4-Bromofluorobenzene	11.118	95	52855	55.17	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.34%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.005	59	1189	7.79	ug/l #	91
16) Acetone	2.423	43	20399	58.44	ug/l	90
20) Methylene Chloride	2.834	84	2846	4.18	ug/l #	84
25) 2-Butanone	4.641	43	6528	12.34	ug/l	92
27) cis-1,2-Dichloroethene	4.564	96	2297	3.22	ug/l	89
31) Cyclohexane	5.547	56	3855	3.80	ug/l	90
39) Methylcyclohexane	7.441	83	4773	4.51	ug/l	91
40) Benzene	6.111	78	2896	1.07	ug/l	95
43) Isopropyl Acetate	6.417	43	9385	5.24	ug/l #	87
52) Toluene	8.765	92	54177	32.38	ug/l	99
64) Tetrachloroethene	9.312	164	783	1.10	ug/l #	86
67) Ethyl Benzene	10.235	91	53106	13.64	ug/l	97
68) m/p-Xylenes	10.341	106	145185	104.64	ug/l	94
69) o-Xylene	10.683	106	89261	66.42	ug/l	94
73) Isopropylbenzene	11.000	105	4938	1.44	ug/l	99
78) n-propylbenzene	11.341	91	14735	3.64	ug/l	96
80) 1,3,5-Trimethylbenzene	11.489	105	78251	26.71	ug/l	99
84) 1,2,4-Trimethylbenzene	11.789	105	222972	75.50	ug/l	98
86) p-Isopropyltoluene	12.047	119	3892	1.30	ug/l	89
91) 1,2-Dichlorobenzene	12.377	146	5348	3.59	ug/l	96
95) Naphthalene	13.818	128	325642	102.36	ug/l	100

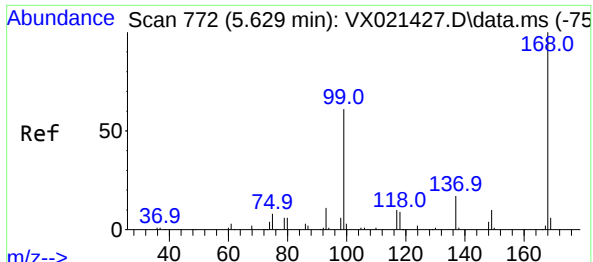
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

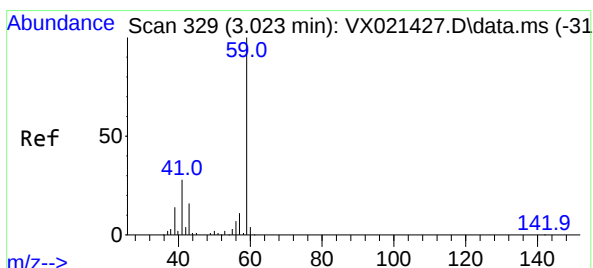
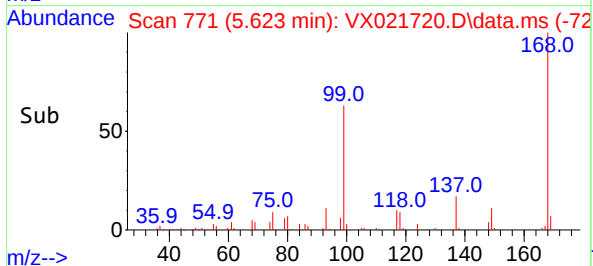
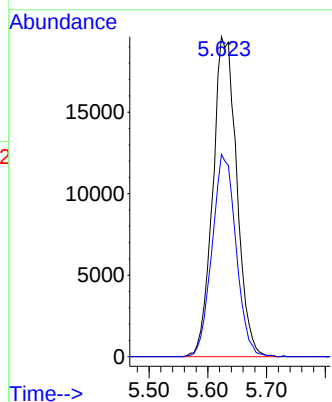
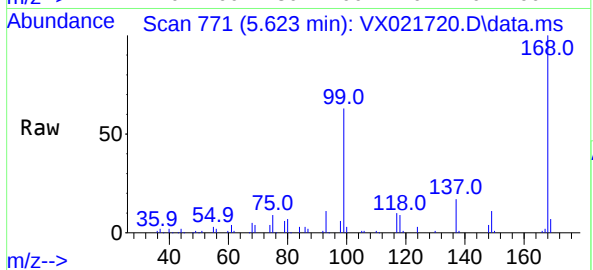




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.006 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

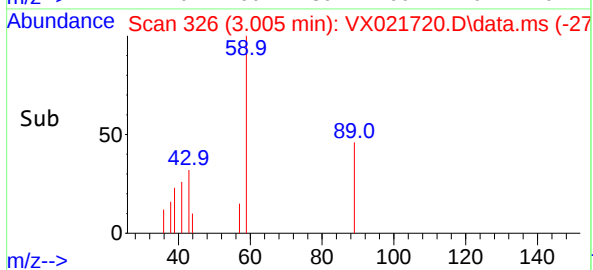
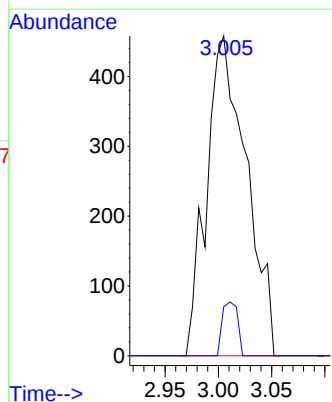
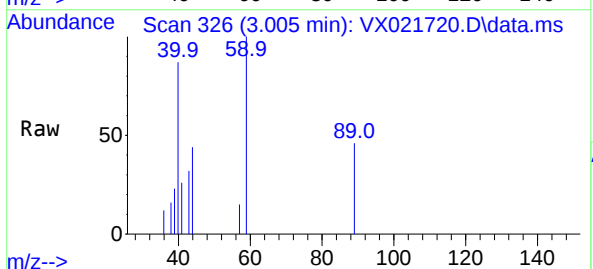
Instrument :
MSVOA_X
ClientSampled :
IEC-R2

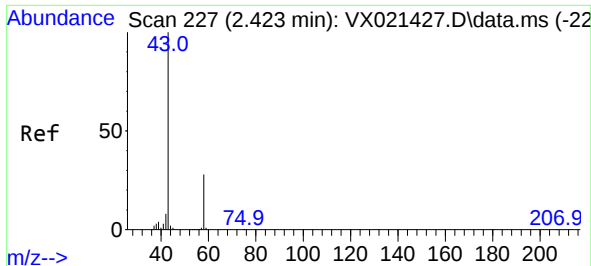
Tgt Ion:168 Resp: 55487
Ion Ratio Lower Upper
168 100
99 63.2 45.8 68.6



#11
Tert butyl alcohol
Concen: 7.79 ug/l
RT: 3.005 min Scan# 326
Delta R.T. -0.018 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

Tgt Ion: 59 Resp: 1189
Ion Ratio Lower Upper
59 100
57 6.5 7.8 11.8#

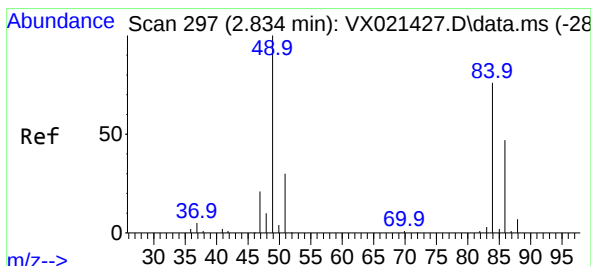
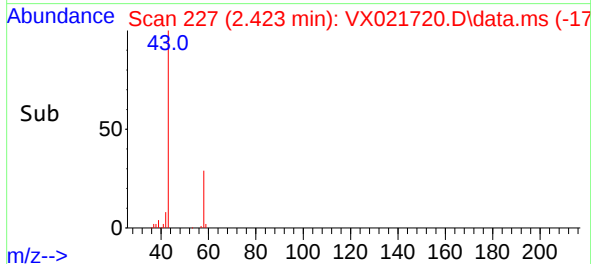
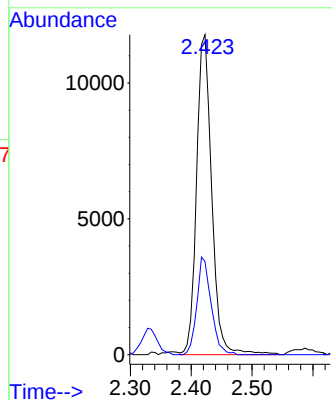
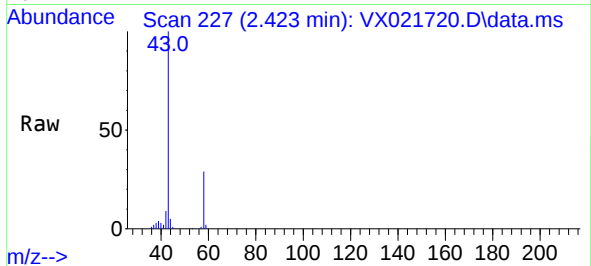




#16
Acetone
Concen: 58.44 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

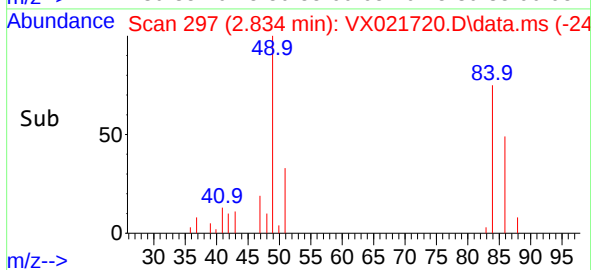
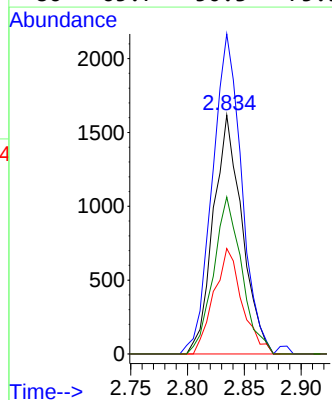
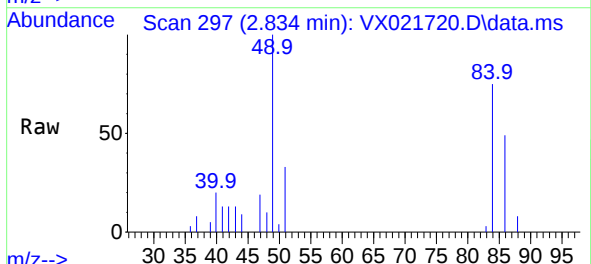
Instrument :
MSVOA_X
ClientSampleId :
IEC-R2

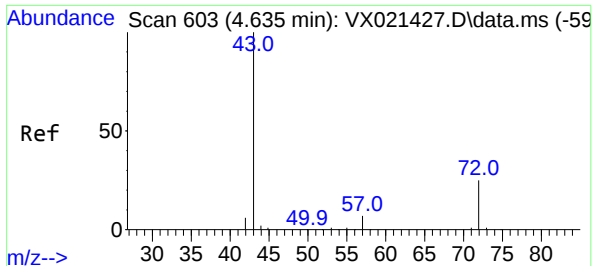
Tgt Ion: 43 Resp: 20399
Ion Ratio Lower Upper
43 100
58 29.1 27.8 41.8



#20
Methylene Chloride
Concen: 4.18 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

Tgt Ion: 84 Resp: 2846
Ion Ratio Lower Upper
84 100
49 133.9 88.6 132.8#
51 44.1 27.0 40.6#
86 65.7 50.3 75.5

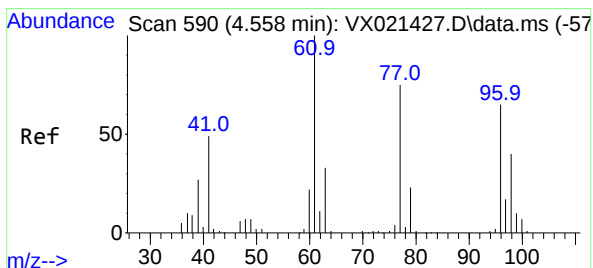
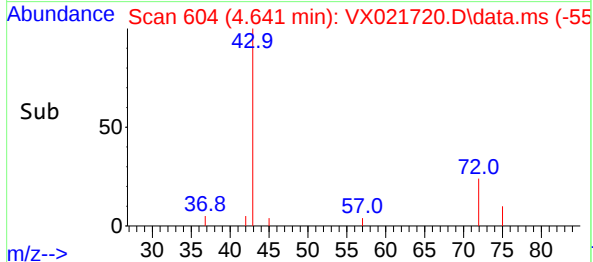
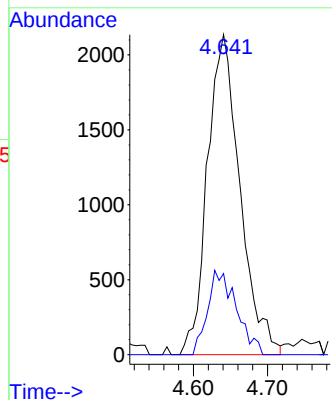
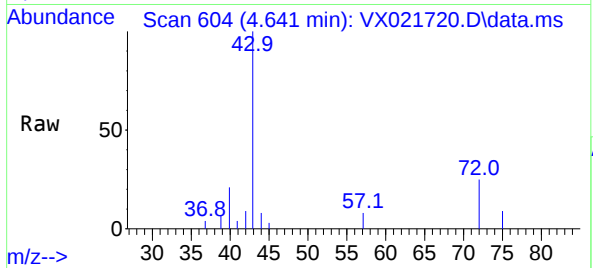




#25
2-Butanone
Concen: 12.34 ug/l
RT: 4.641 min Scan# 604
Delta R.T. 0.006 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

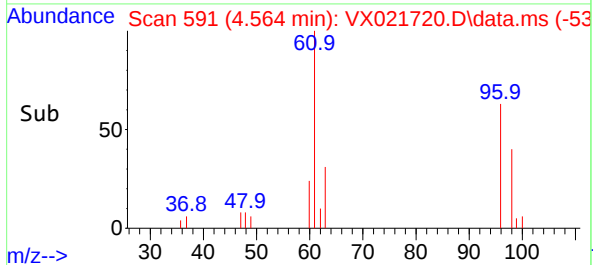
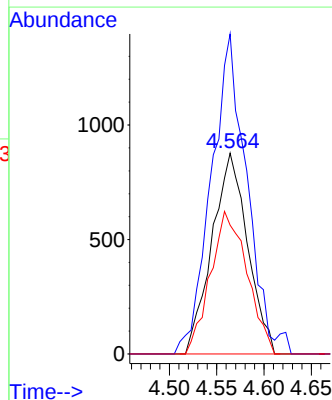
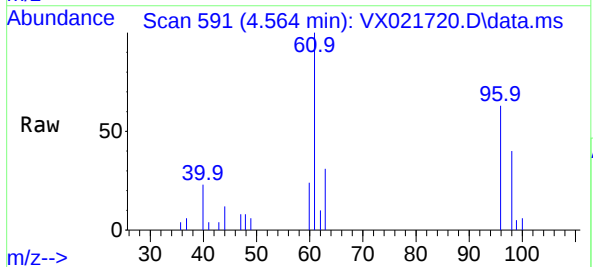
Instrument :
MSVOA_X
ClientSampleId :
IEC-R2

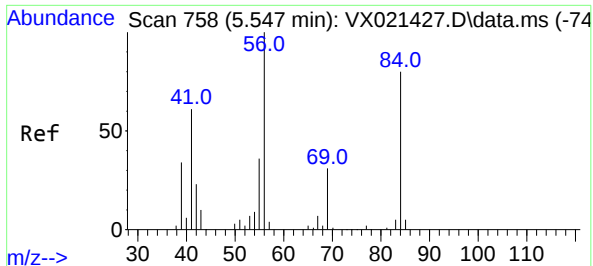
Tgt Ion: 43 Resp: 6528
Ion Ratio Lower Upper
43 100
72 25.3 23.7 35.5



#27
cis-1,2-Dichloroethene
Concen: 3.22 ug/l
RT: 4.564 min Scan# 591
Delta R.T. 0.006 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

Tgt Ion: 96 Resp: 2297
Ion Ratio Lower Upper
96 100
61 156.8 0.0 285.6
98 73.1 0.0 129.6

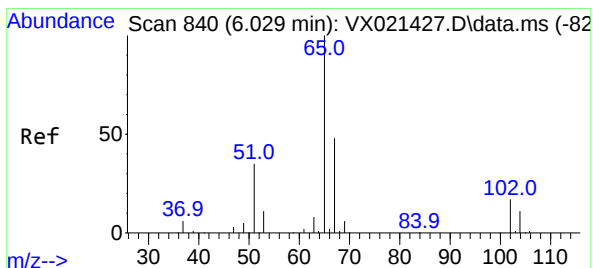
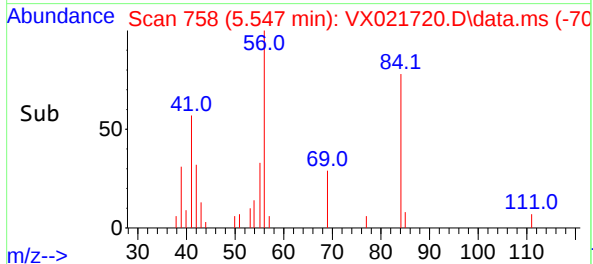
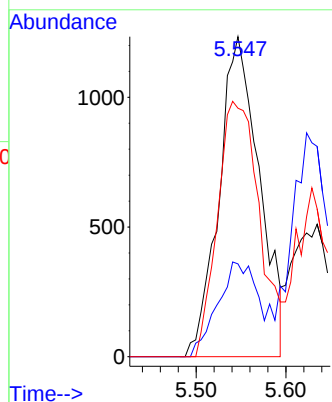
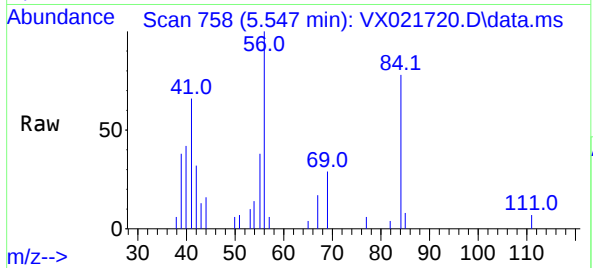




#31
Cyclohexane
Concen: 3.80 ug/l
RT: 5.547 min Scan# 758
Delta R.T. -0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

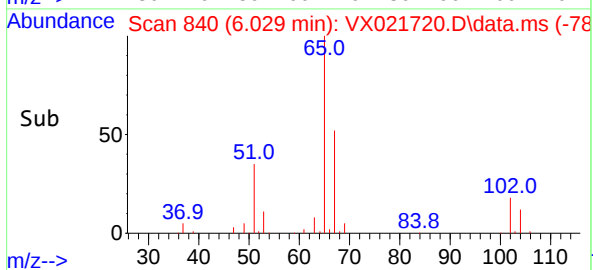
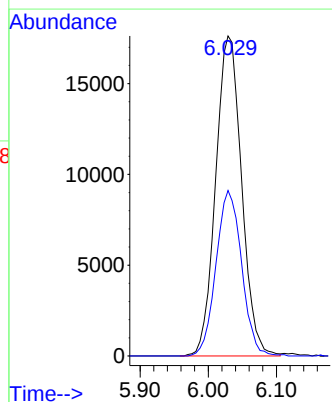
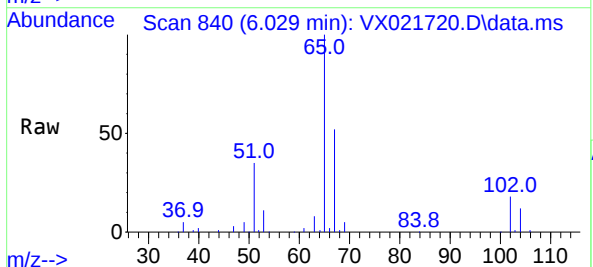
Instrument :
MSVOA_X
ClientSampleId :
IEC-R2

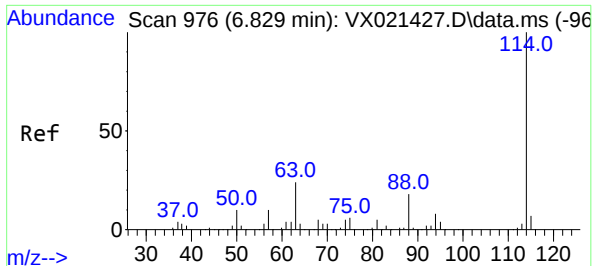
Tgt Ion: 56 Resp: 3855
Ion Ratio Lower Upper
56 100
69 29.0 25.3 37.9
84 77.6 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 50.56 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

Tgt Ion: 65 Resp: 46680
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

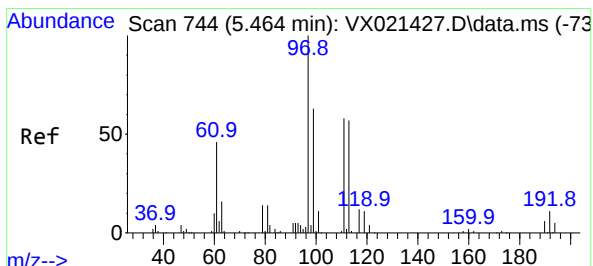
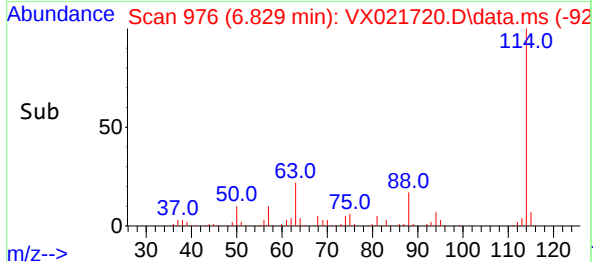
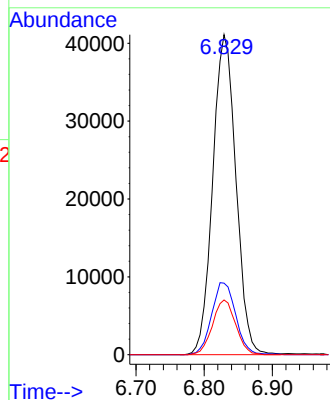
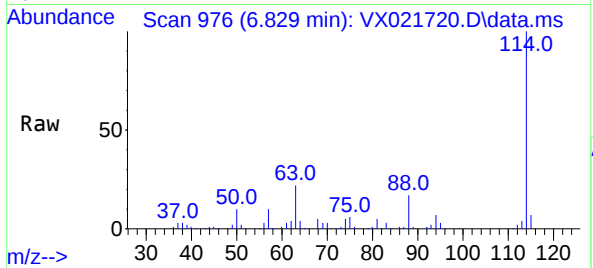




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

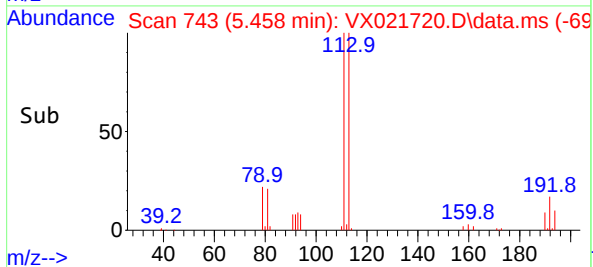
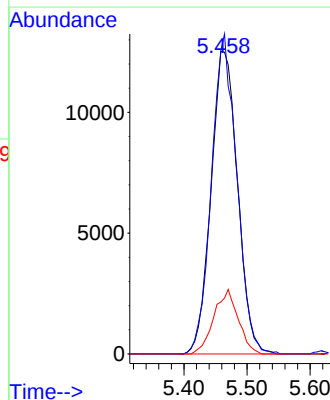
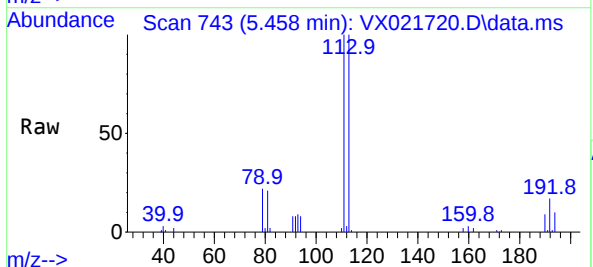
Instrument :
MSVOA_X
ClientSampled :
IEC-R2

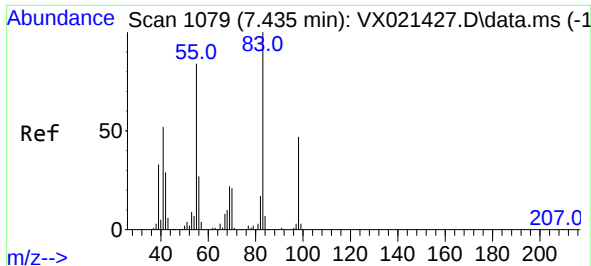
Tgt Ion:114 Resp: 97344
Ion Ratio Lower Upper
114 100
63 22.3 0.0 40.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.95 ug/l
RT: 5.458 min Scan# 743
Delta R.T. -0.006 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

Tgt Ion:113 Resp: 36610
Ion Ratio Lower Upper
113 100
111 100.4 81.9 122.9
192 19.5 16.7 25.1





#39

Methylcyclohexane

Concen: 4.51 ug/l

RT: 7.441 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VX021720.D

Acq: 01 Apr 2021 19:48

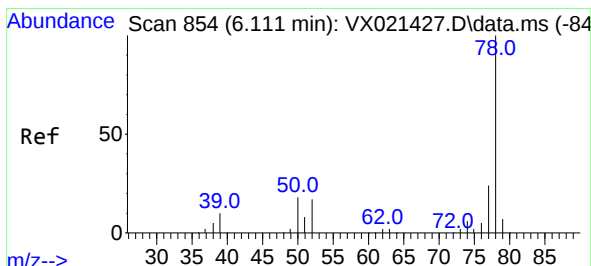
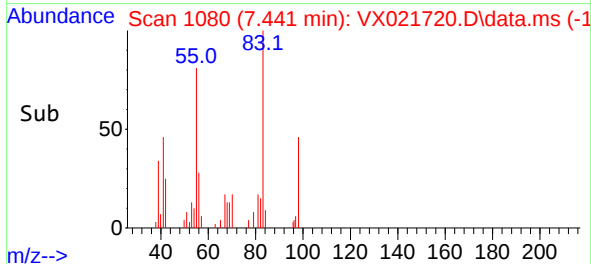
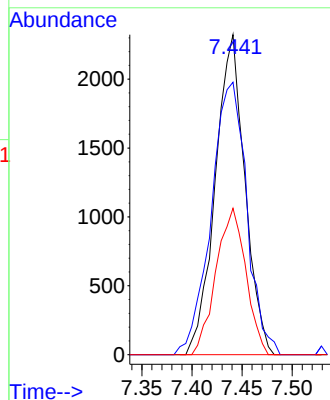
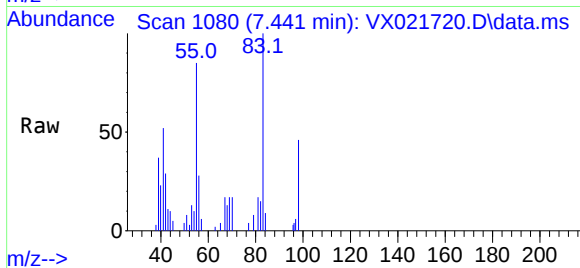
Instrument :

MSVOA_X

ClientSampled :

IEC-R2

Tgt Ion:	83	Resp:	4773
Ion	Ratio	Lower	Upper
83	100		
55	85.1	58.9	88.3
98	45.8	38.1	57.1



#40

Benzene

Concen: 1.07 ug/l

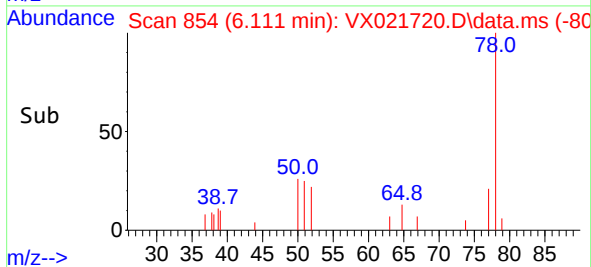
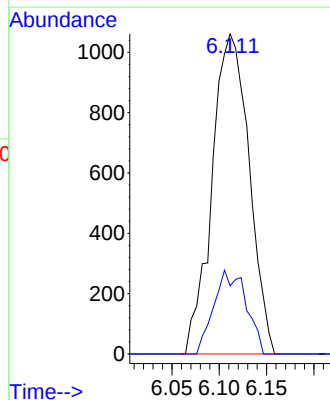
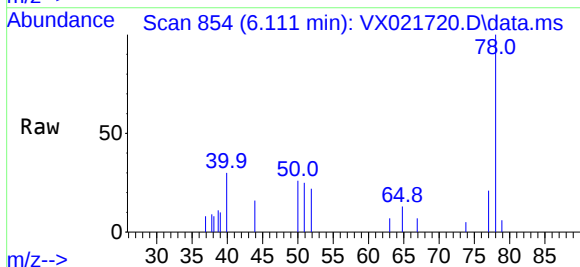
RT: 6.111 min Scan# 854

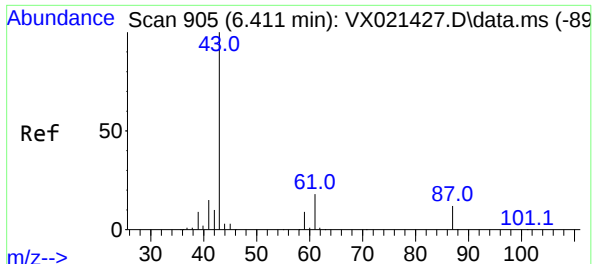
Delta R.T. 0.000 min

Lab File: VX021720.D

Acq: 01 Apr 2021 19:48

Tgt Ion:	78	Resp:	2896
Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.9	28.3

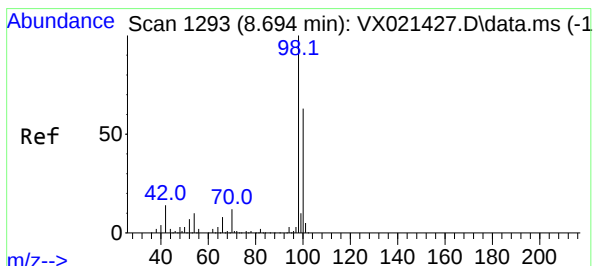
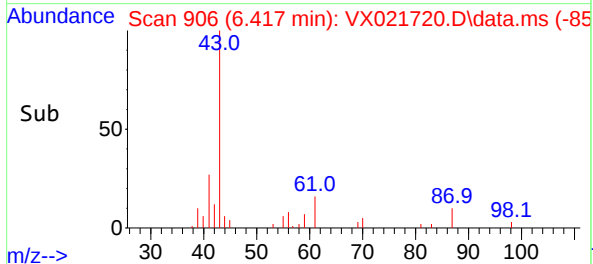
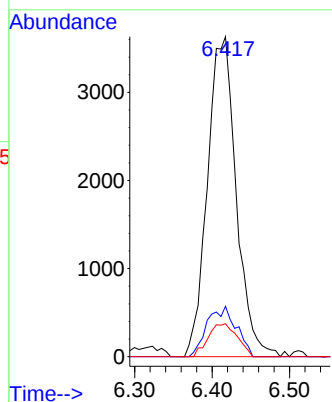
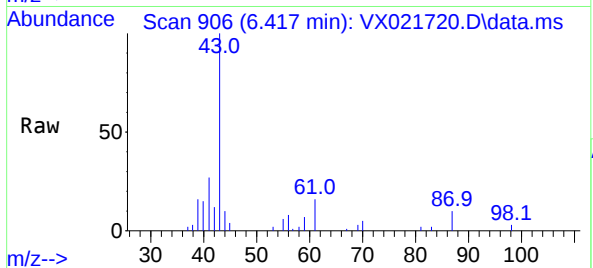




#43
Isopropyl Acetate
Concen: 5.24 ug/l
RT: 6.417 min Scan# 906
Delta R.T. 0.006 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

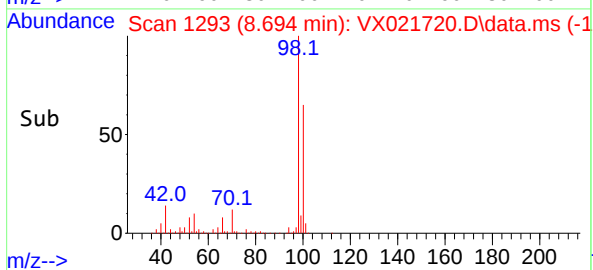
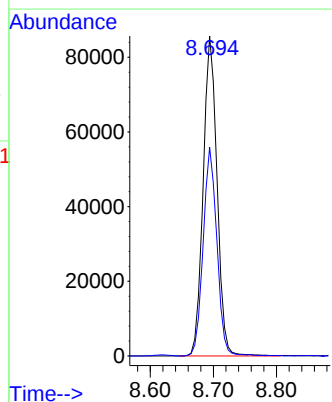
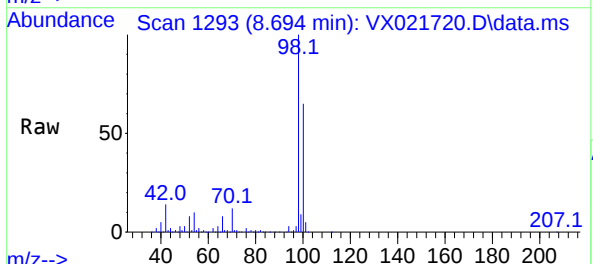
Instrument :
MSVOA_X
ClientSampleId :
IEC-R2

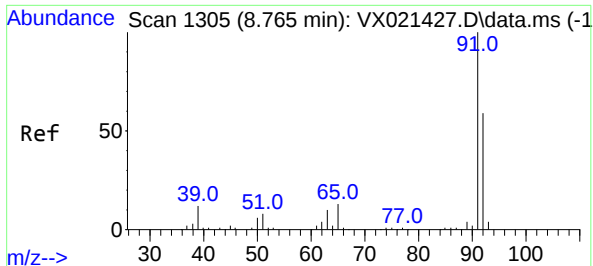
Tgt Ion: 43 Resp: 9385
Ion Ratio Lower Upper
43 100
61 15.9 18.2 27.4#
87 10.4 12.5 18.7#



#50
Toluene-d8
Concen: 53.22 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

Tgt Ion: 98 Resp: 131123
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9





#52

Toluene

Concen: 32.38 ug/l

RT: 8.765 min Scan# 1305

Delta R.T. -0.000 min

Lab File: VX021720.D

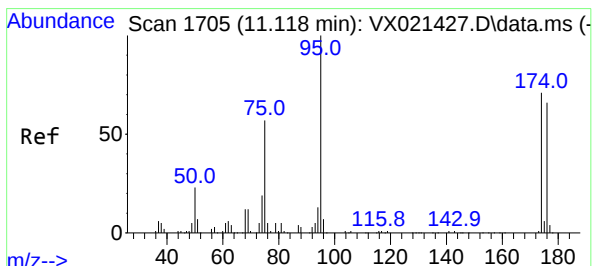
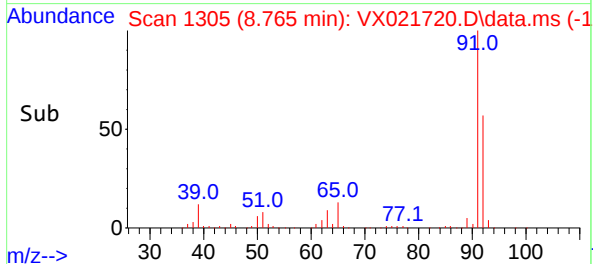
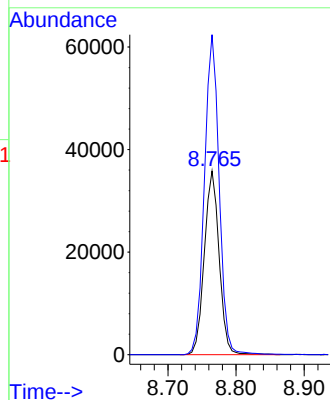
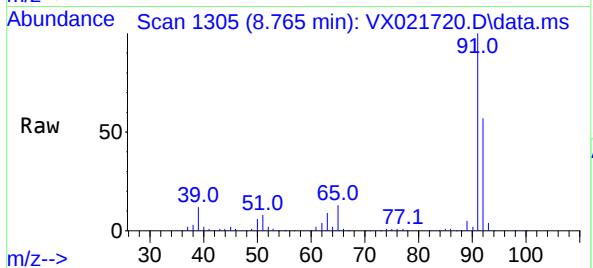
Acq: 01 Apr 2021 19:48

Tgt Ion: 92 Resp: 54177

Ion Ratio Lower Upper

92 100

91 173.4 137.1 205.7



#62

4-Bromofluorobenzene

Concen: 55.17 ug/l

RT: 11.118 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VX021720.D

Acq: 01 Apr 2021 19:48

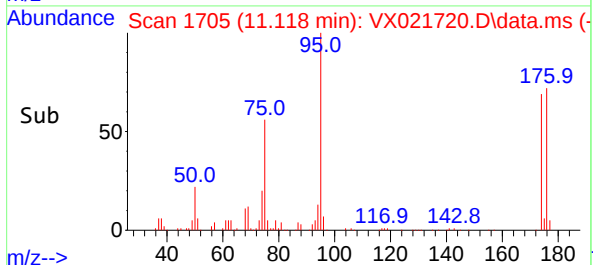
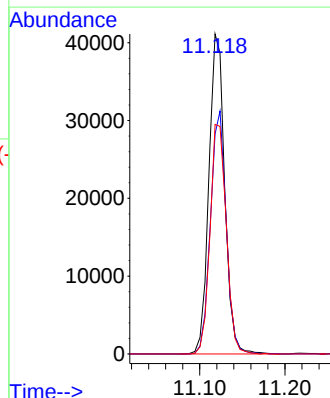
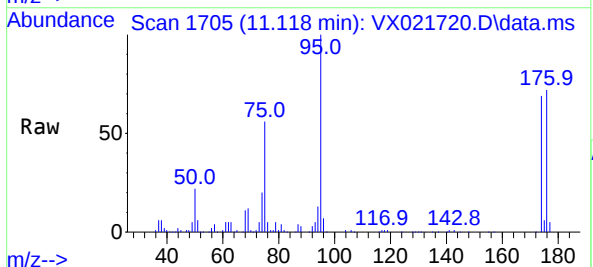
Tgt Ion: 95 Resp: 52855

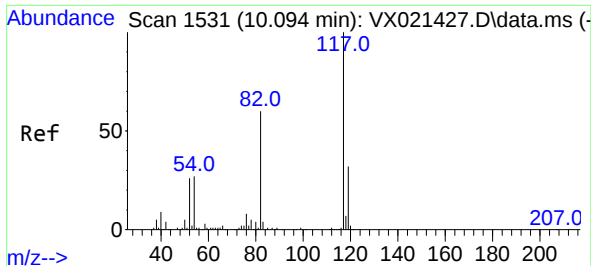
Ion Ratio Lower Upper

95 100

174 75.5 0.0 154.6

176 73.8 0.0 155.8

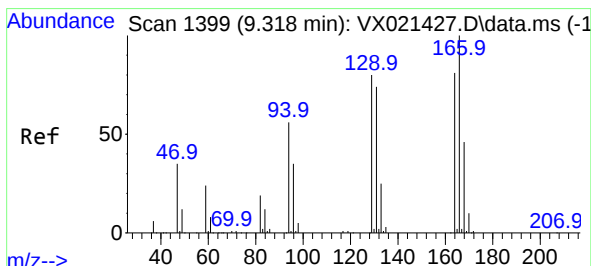
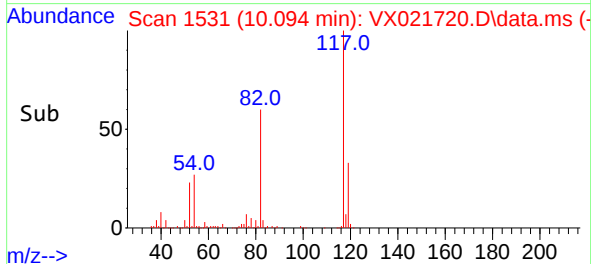
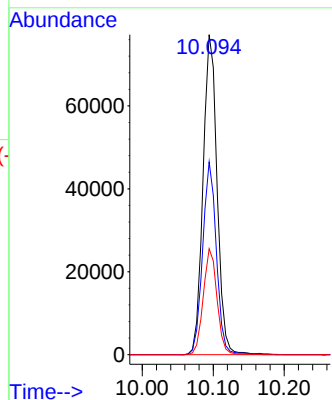
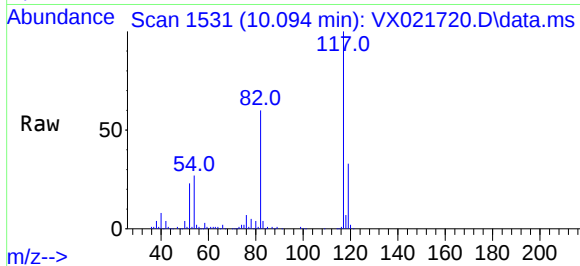




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

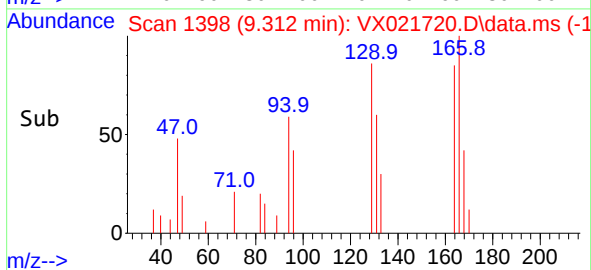
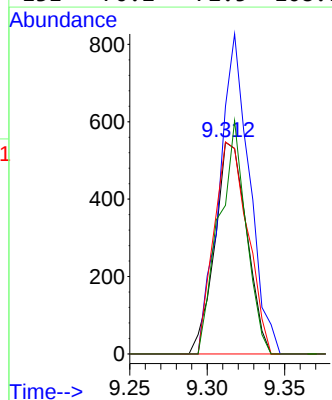
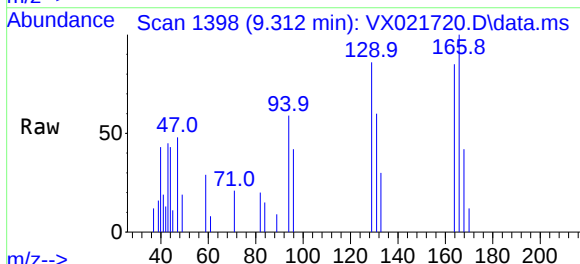
Instrument :
MSVOA_X
ClientSampled :
IEC-R2

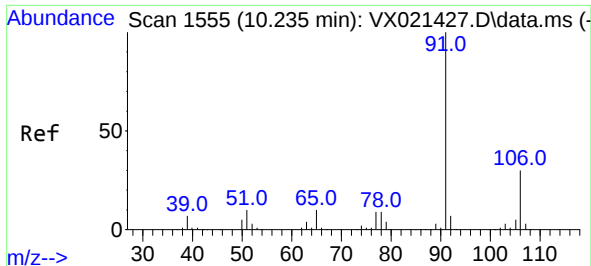
Tgt Ion:	117	Resp:	106362
Ion Ratio	Lower	Upper	
117	100		
82	60.3	47.4	71.2
119	33.1	26.6	39.8



#64
Tetrachloroethene
Concen: 1.10 ug/l
RT: 9.312 min Scan# 1398
Delta R.T. -0.006 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

Tgt Ion:	164	Resp:	783
Ion Ratio	Lower	Upper	
164	100		
166	117.0	103.4	155.2
129	100.2	70.8	106.2
131	70.2	72.5	108.7#

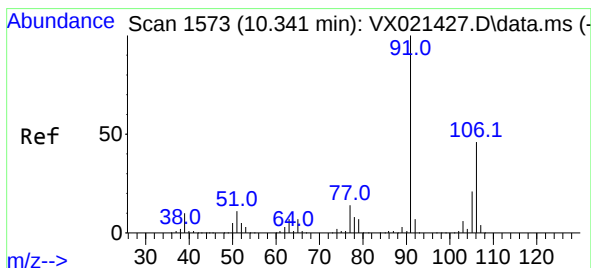
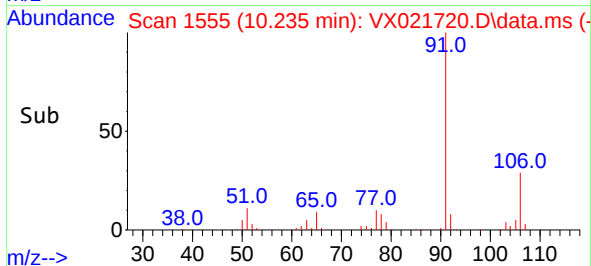
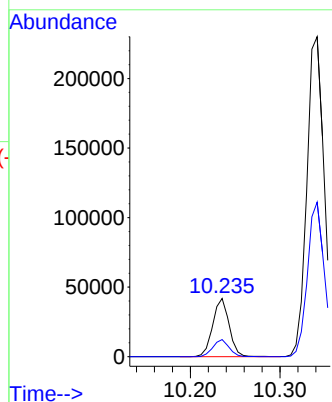
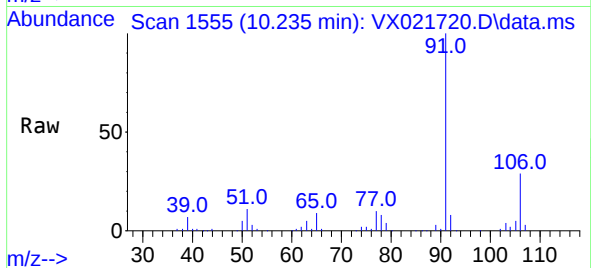




#67
Ethyl Benzene
Concen: 13.64 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

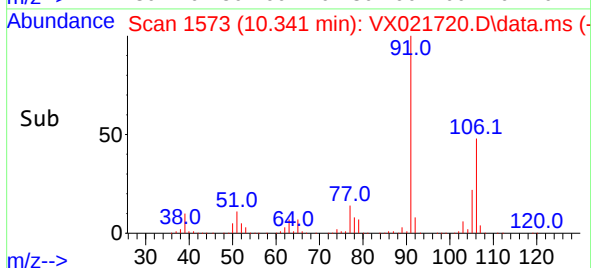
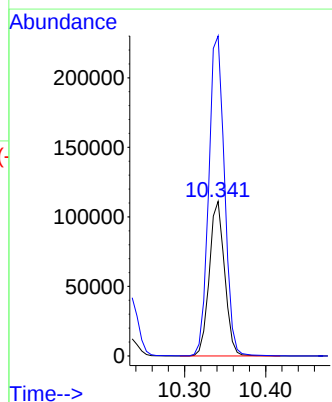
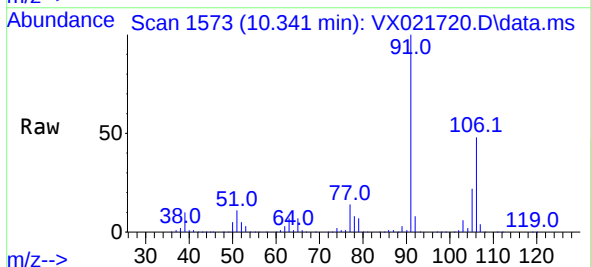
Instrument :
MSVOA_X
ClientSampled :
IEC-R2

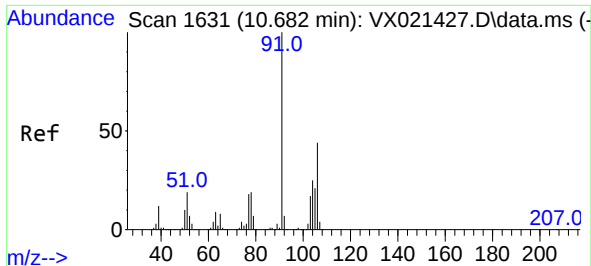
Tgt Ion: 91 Resp: 53106
Ion Ratio Lower Upper
91 100
106 29.4 24.6 37.0



#68
m/p-Xylenes
Concen: 104.64 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

Tgt Ion: 106 Resp: 145185
Ion Ratio Lower Upper
106 100
91 213.1 162.8 244.2

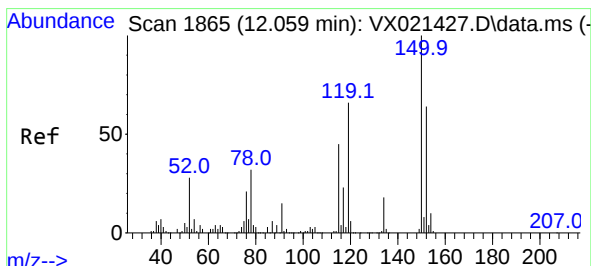
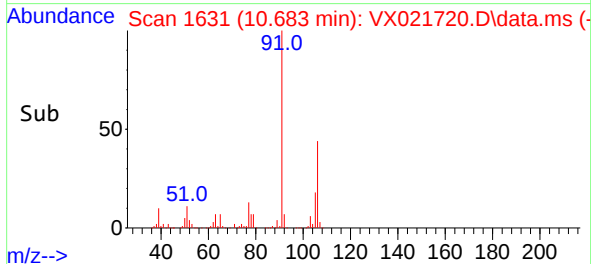
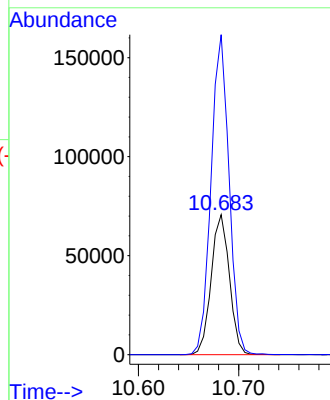
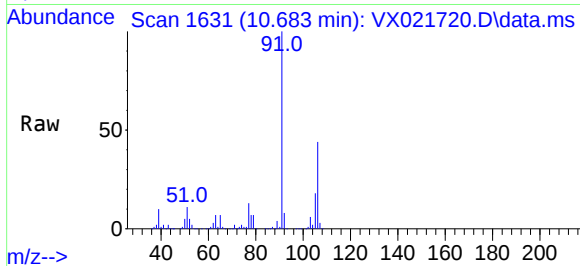




#69
o-Xylene
Concen: 66.42 ug/l
RT: 10.683 min Scan# 1631
Delta R.T. 0.001 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

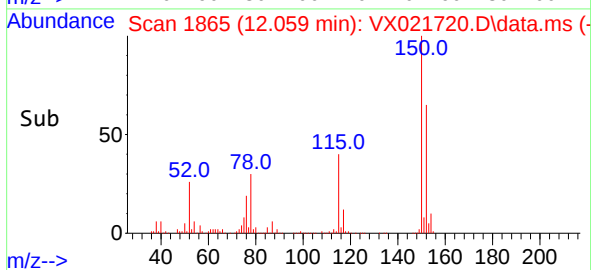
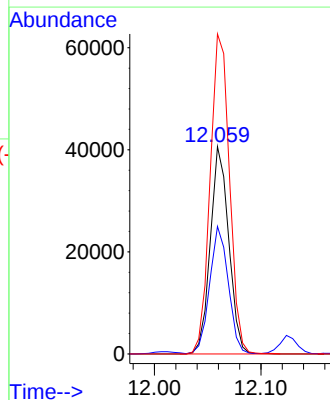
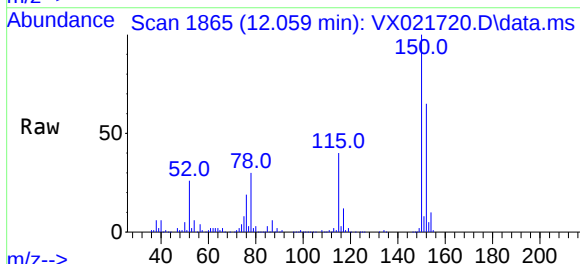
Instrument :
MSVOA_X
ClientSampled :
IEC-R2

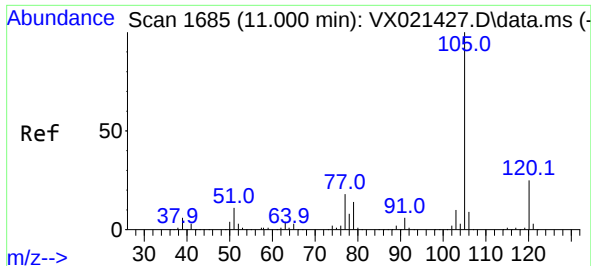
Tgt Ion:106 Resp: 89261
Ion Ratio Lower Upper
106 100
91 225.7 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

Tgt Ion:152 Resp: 48802
Ion Ratio Lower Upper
152 100
115 61.9 41.1 123.3
150 161.4 0.0 349.0

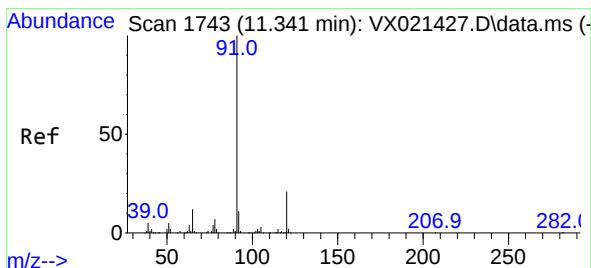
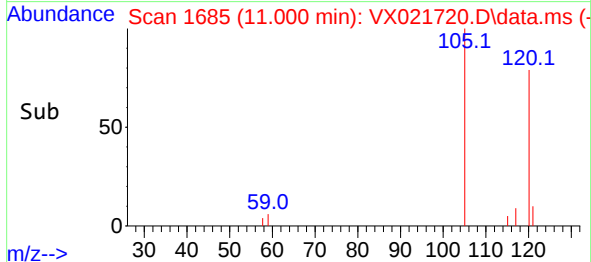
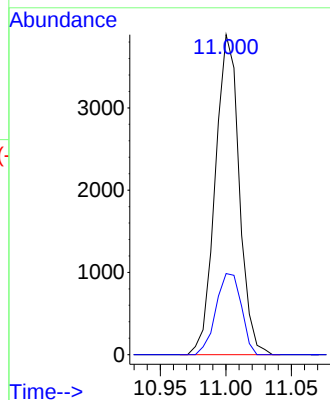
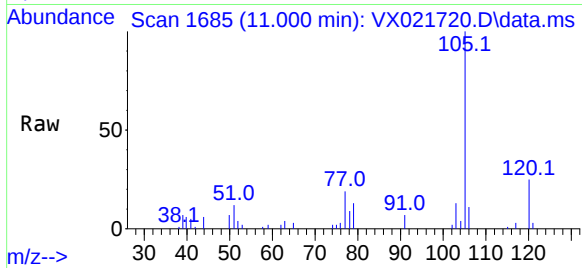




#73
Isopropylbenzene
Concen: 1.44 ug/l
RT: 11.000 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

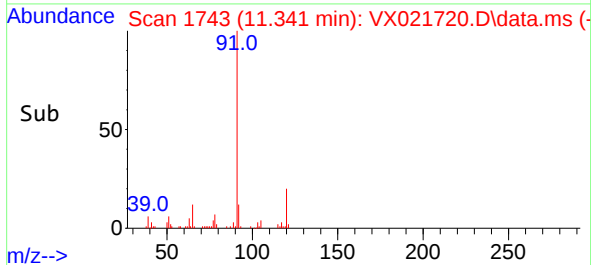
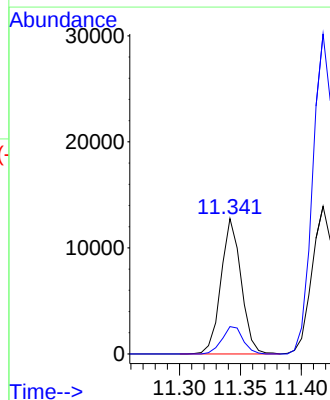
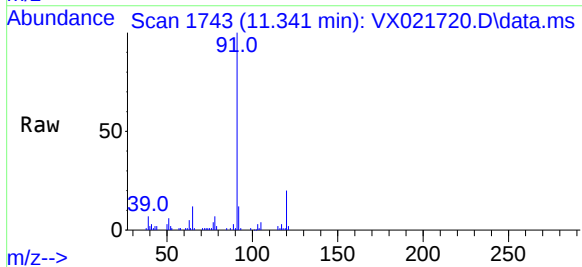
Instrument :
MSVOA_X
ClientSampled :
IEC-R2

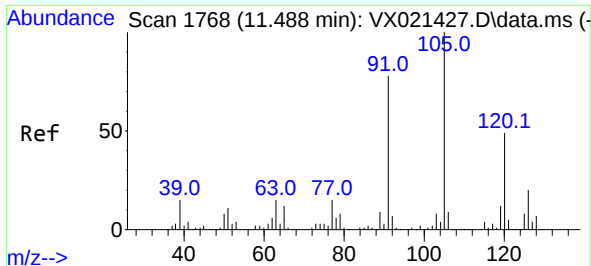
Tgt Ion:105 Resp: 4938
Ion Ratio Lower Upper
105 100
120 26.8 13.2 39.6



#78
n-propylbenzene
Concen: 3.64 ug/l
RT: 11.341 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

Tgt Ion: 91 Resp: 14735
Ion Ratio Lower Upper
91 100
120 21.0 11.5 34.5

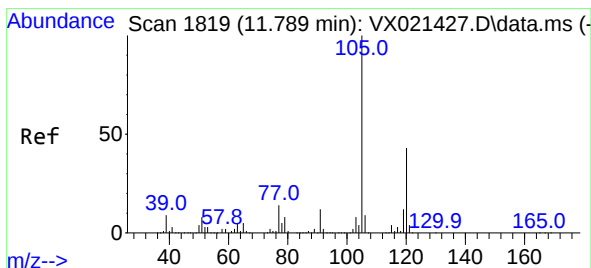
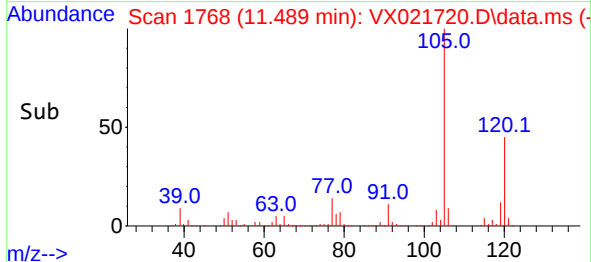
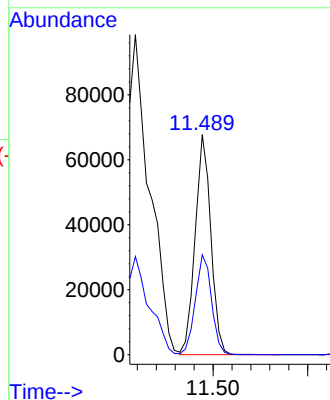
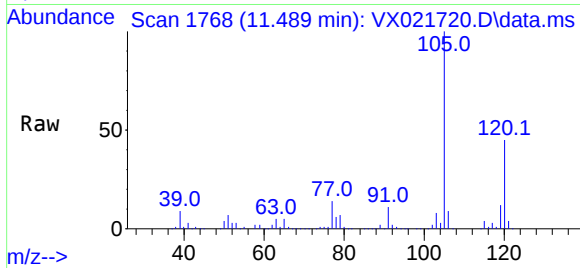




#80
1,3,5-Trimethylbenzene
Concen: 26.71 ug/l
RT: 11.489 min Scan# 1768
Delta R.T. 0.001 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

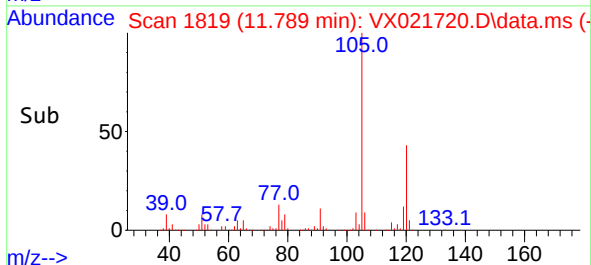
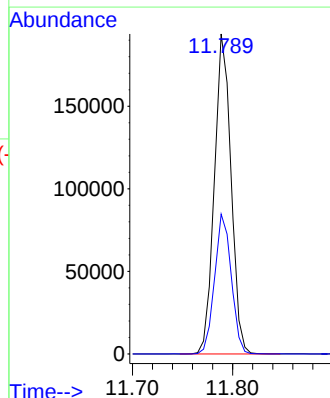
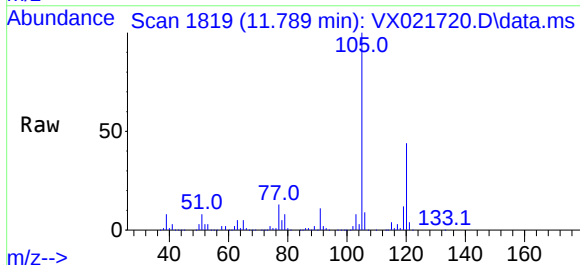
Instrument :
MSVOA_X
ClientSampleId :
IEC-R2

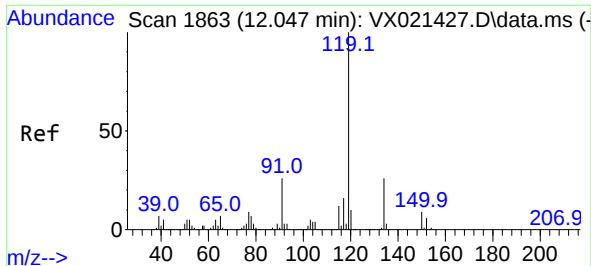
Tgt Ion:105 Resp: 78251
Ion Ratio Lower Upper
105 100
120 46.7 23.8 71.5



#84
1,2,4-Trimethylbenzene
Concen: 75.50 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

Tgt Ion:105 Resp: 222972
Ion Ratio Lower Upper
105 100
120 43.7 22.4 67.3

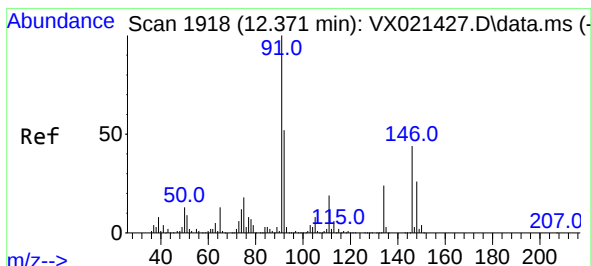
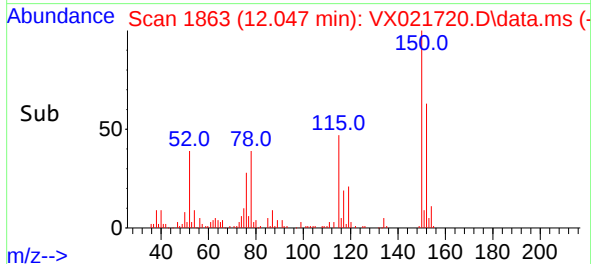
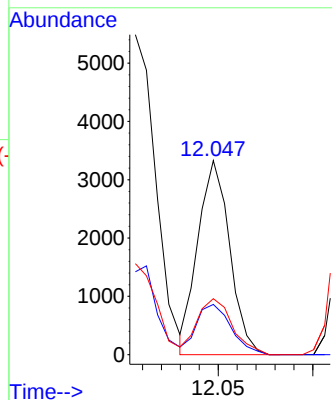
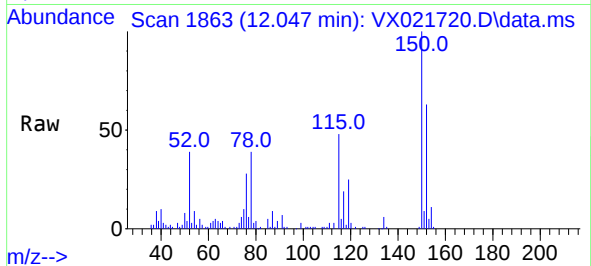




#86
p-Isopropyltoluene
Concen: 1.30 ug/l
RT: 12.047 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

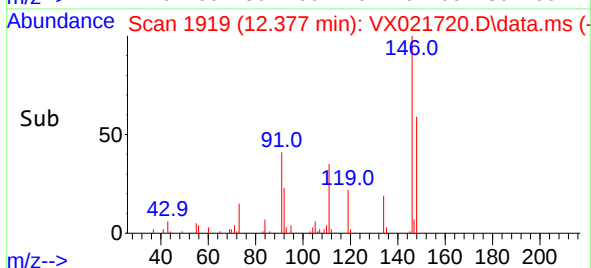
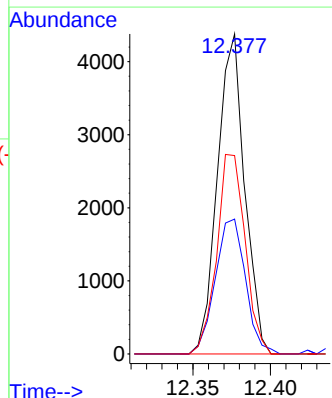
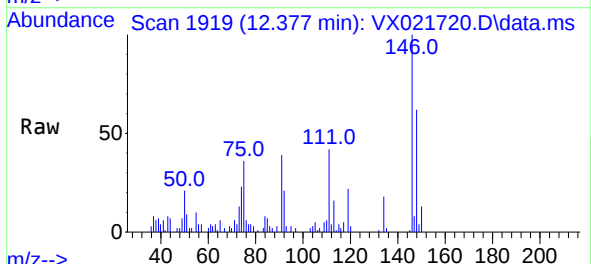
Instrument :
MSVOA_X
ClientSampled :
IEC-R2

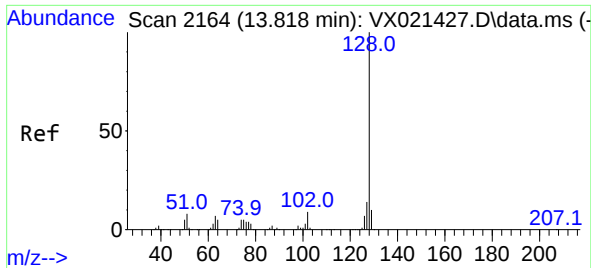
Tgt Ion:	119	Resp:	3892
Ion	Ratio	Lower	Upper
119	100		
134	28.3	12.9	38.7
91	32.0	11.7	35.0



#91
1,2-Dichlorobenzene
Concen: 3.59 ug/l
RT: 12.377 min Scan# 1919
Delta R.T. 0.006 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

Tgt Ion:	146	Resp:	5348
Ion	Ratio	Lower	Upper
146	100		
111	46.9	20.8	62.2
148	65.0	31.9	95.5





#95
Naphthalene
Concen: 102.36 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021720.D
Acq: 01 Apr 2021 19:48

Instrument :
MSVOA_X
ClientSampleId :
IEC-R2

Tgt Ion:128 Resp: 325642
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.1 8.8 13.2

