

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031021\
 Data File : VX021141.D
 Acq On : 10 Mar 2021 16:44
 Operator : JC/MD
 Sample : M1605-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 32920

Quant Time: Mar 11 02:13:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

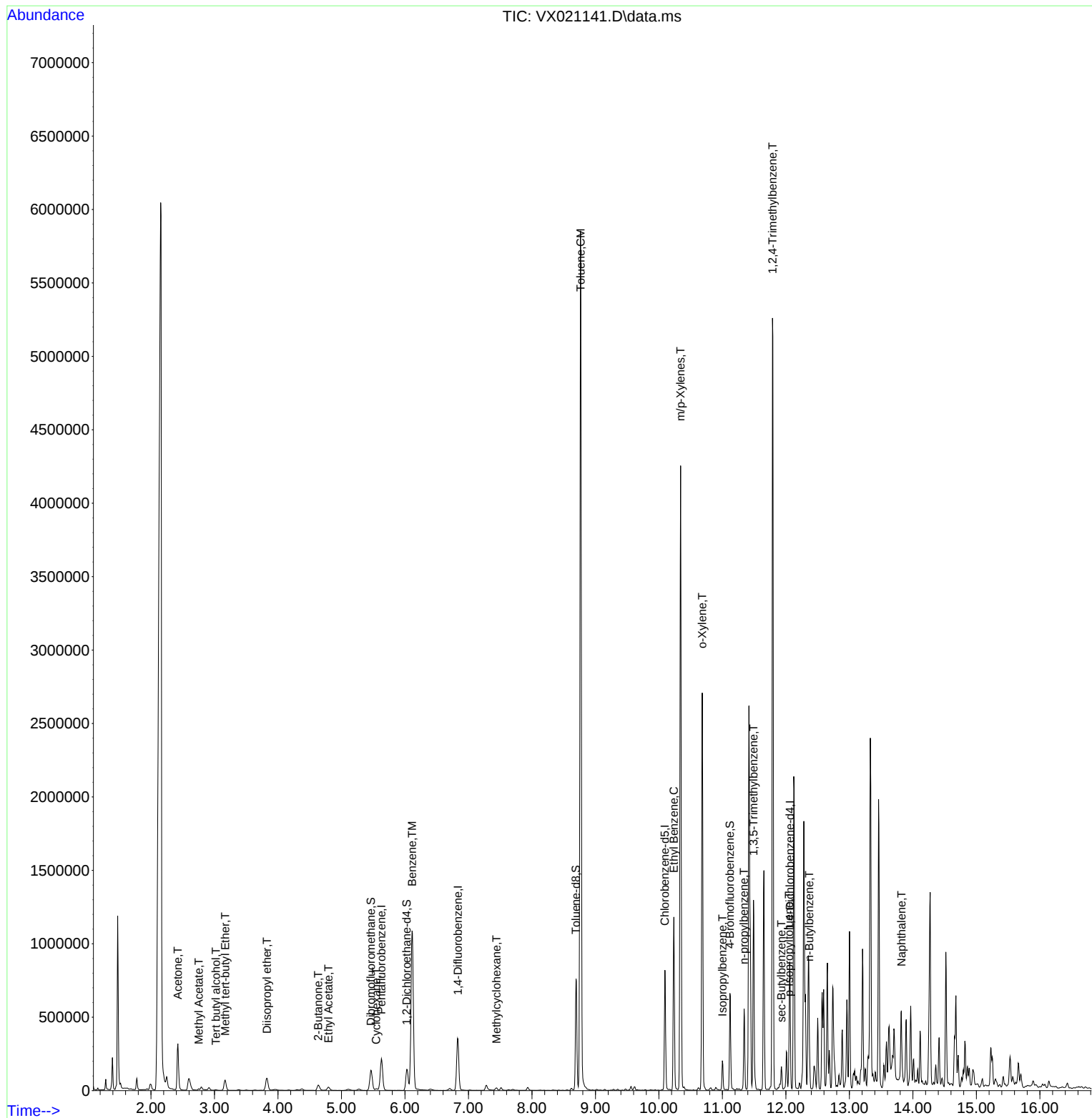
Internal Standards						
1) Pentafluorobenzene	5.629	168	202650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	378687	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	382407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	176191	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	138457	50.58	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.16%			
35) Dibromofluoromethane	5.464	113	120425	52.34	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.68%			
50) Toluene-d8	8.694	98	482649	53.80	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.60%			
62) 4-Bromofluorobenzene	11.118	95	186554	56.24	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 112.48%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.023	59	4722	7.75	ug/l #	94
16) Acetone	2.423	43	324811	287.98	ug/l	98
18) Methyl Acetate	2.752	43	9713	3.64	ug/l	98
19) Methyl tert-butyl Ether	3.170	73	79335	9.79	ug/l	97
22) Diisopropyl ether	3.829	45	89372	11.99	ug/l #	82
25) 2-Butanone	4.635	43	61978	36.17	ug/l	98
31) Cyclohexane	5.547	56	7413	1.87	ug/l	91
37) Ethyl Acetate	4.793	43	37775	11.03	ug/l	98
39) Methylcyclohexane	7.441	83	6970	1.54	ug/l	96
40) Benzene	6.111	78	1365555	126.58	ug/l	100
52) Toluene	8.765	92	2260797	336.48	ug/l	97
67) Ethyl Benzene	10.235	91	690944	47.32	ug/l	98
68) m/p-Xylenes	10.341	106	999362	186.00	ug/l	99
69) o-Xylene	10.682	106	592589	113.00	ug/l	96
73) Isopropylbenzene	11.000	105	105851	7.61	ug/l	99
78) n-propylbenzene	11.341	91	339490	21.39	ug/l	100
80) 1,3,5-Trimethylbenzene	11.488	105	566496	48.92	ug/l	98
84) 1,2,4-Trimethylbenzene	11.789	105	2348333	199.78	ug/l	97
85) sec-Butylbenzene	11.930	105	80980	6.10	ug/l	89
86) p-Isopropyltoluene	12.047	119	57845	4.75	ug/l	99
89) n-Butylbenzene	12.365	91	137515	12.66	ug/l #	29
95) Naphthalene	13.818	128	318543	24.65	ug/l	98

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 24 13:50:55 2021
Response via : Initial Calibration

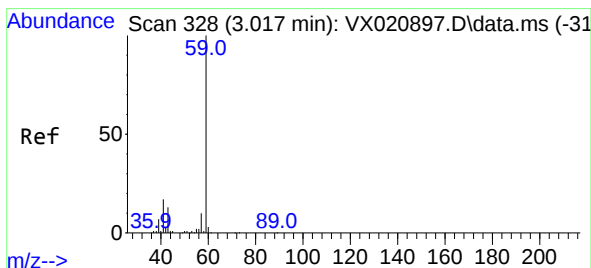
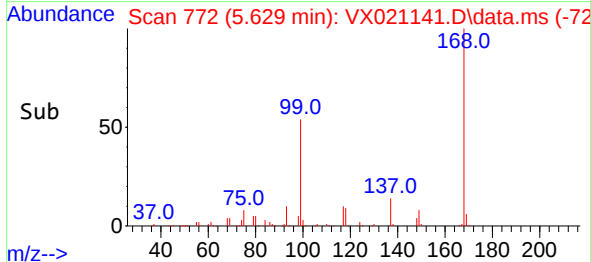
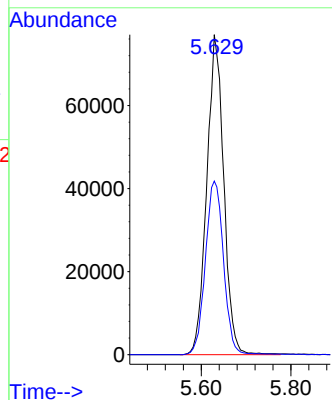
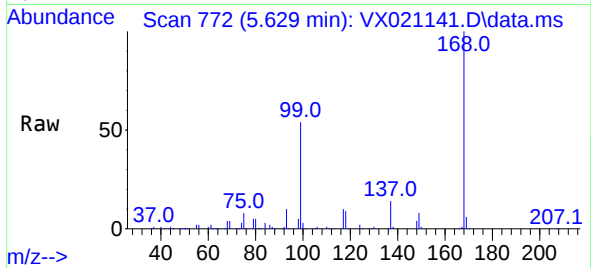




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

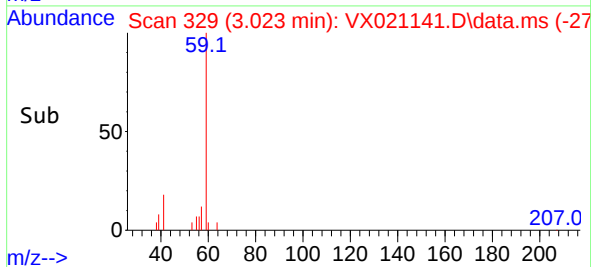
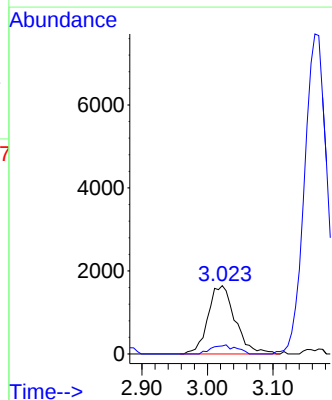
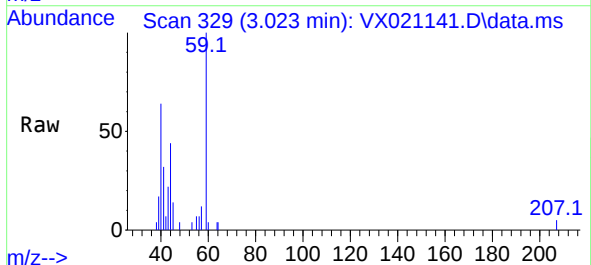
Instrument :
MSVOA_X
ClientSampleId :
32920

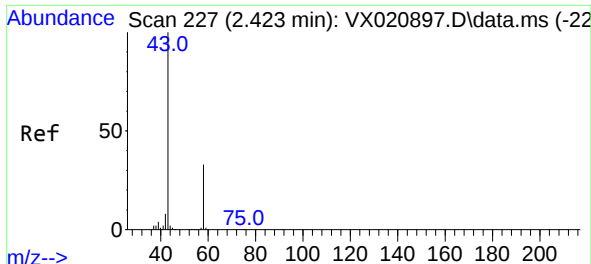
Tgt Ion:168 Resp: 202650
Ion Ratio Lower Upper
168 100
99 54.3 45.8 68.6



#11
Tert butyl alcohol
Concen: 7.75 ug/l
RT: 3.023 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion: 59 Resp: 4722
Ion Ratio Lower Upper
59 100
57 12.1 7.8 11.8#

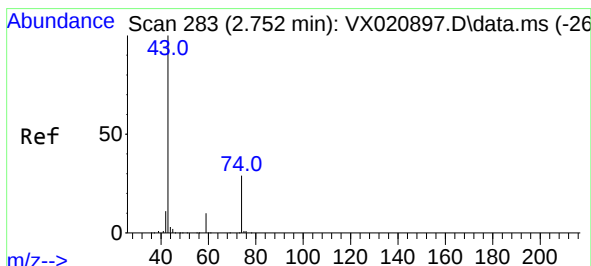
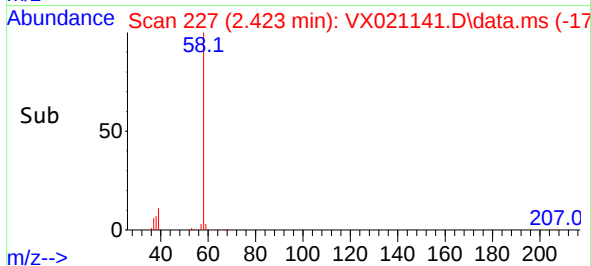
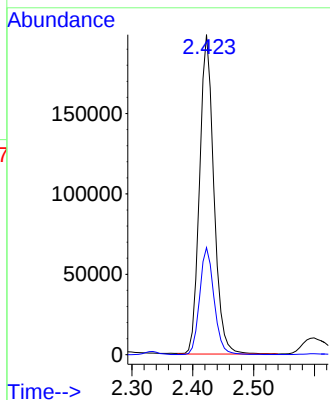
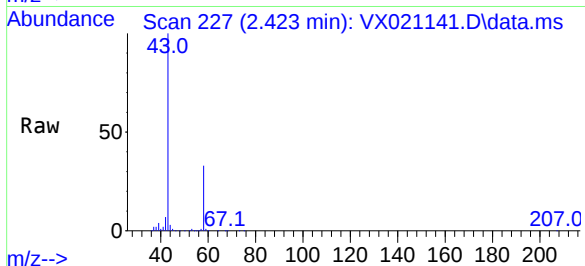




#16
Acetone
Concen: 287.98 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

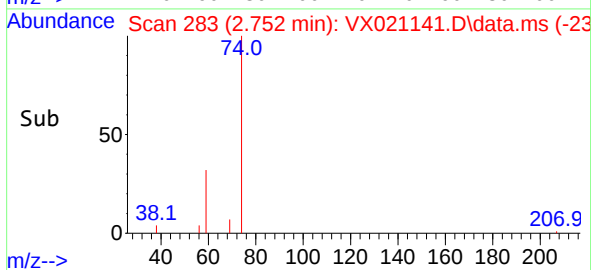
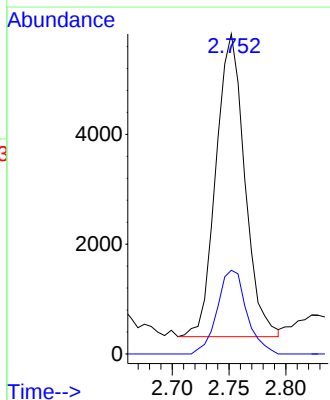
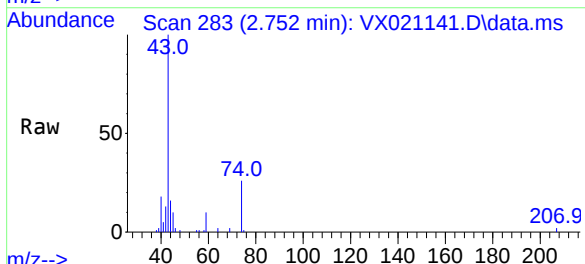
Instrument :
MSVOA_X
ClientSampled :
32920

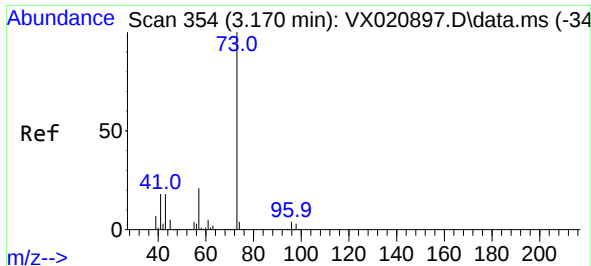
Tgt Ion: 43 Resp: 324811
Ion Ratio Lower Upper
43 100
58 33.5 27.8 41.8



#18
Methyl Acetate
Concen: 3.64 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion: 43 Resp: 9713
Ion Ratio Lower Upper
43 100
74 28.3 21.9 32.9



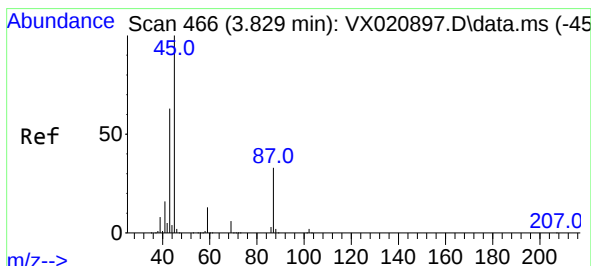
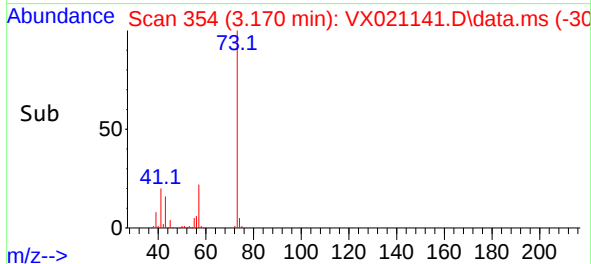
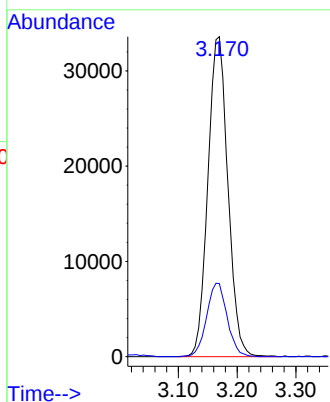
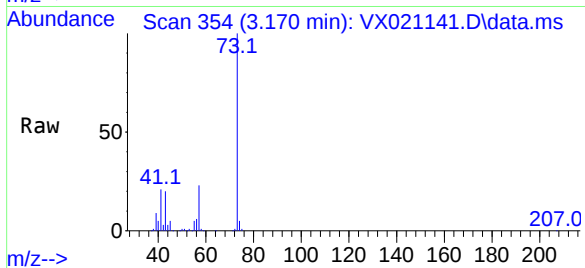


#19

Methyl tert-butyl Ether
Concen: 9.79 ug/l
RT: 3.170 min Scan# 354
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Instrument :
MSVOA_X
ClientSampleId :
32920

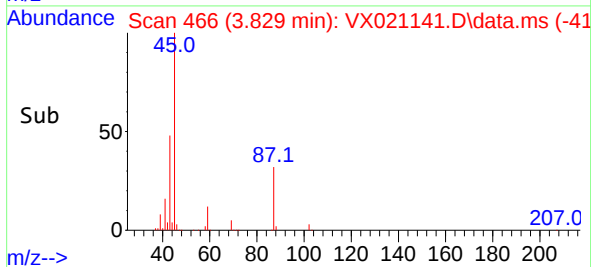
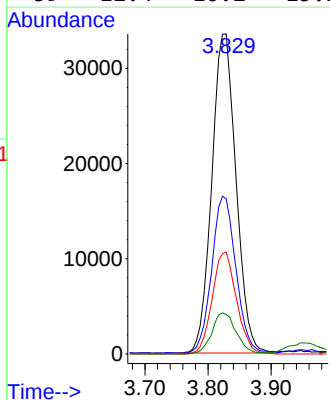
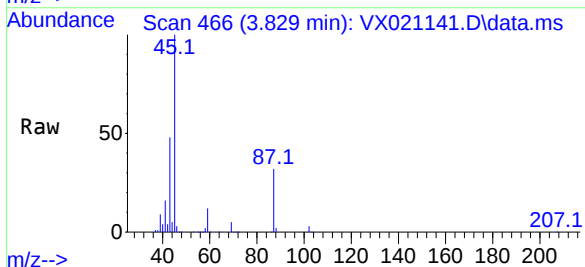
Tgt Ion: 73 Resp: 79335
Ion Ratio Lower Upper
73 100
57 22.8 17.1 25.7

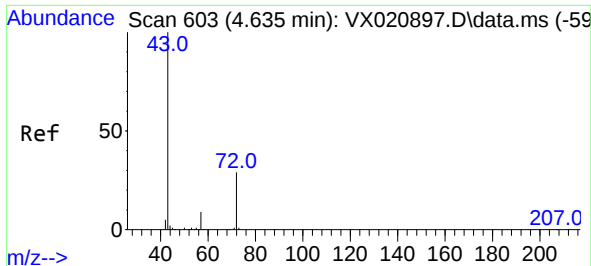


#22

Diisopropyl ether
Concen: 11.99 ug/l
RT: 3.829 min Scan# 466
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion: 45 Resp: 89372
Ion Ratio Lower Upper
45 100
43 48.3 58.0 87.0#
87 31.9 25.4 38.0
59 12.4 10.2 15.2

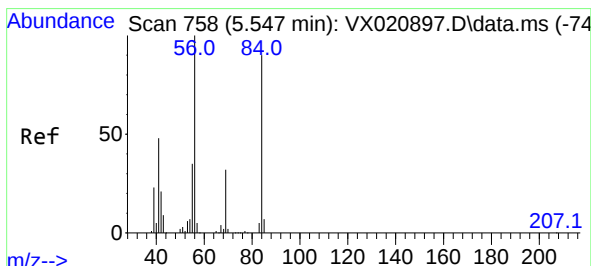
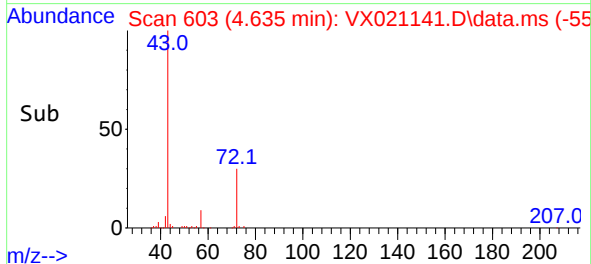
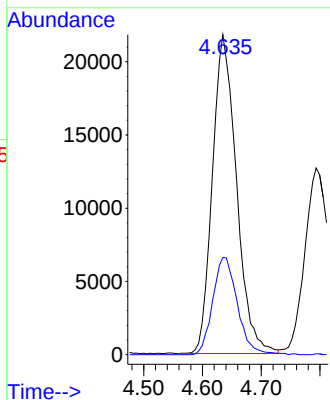
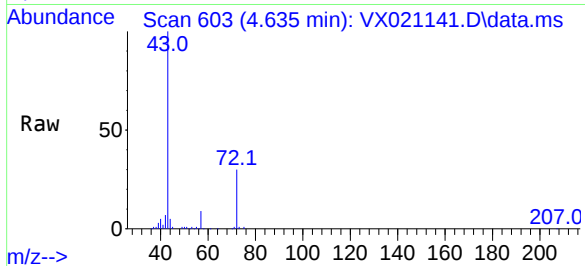




#25
2-Butanone
Concen: 36.17 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

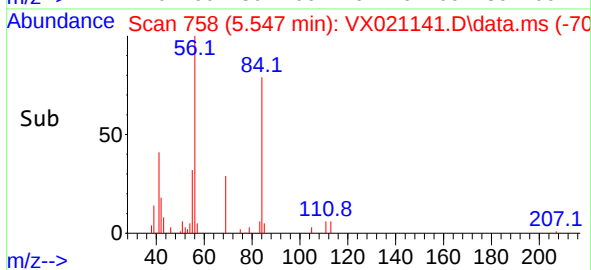
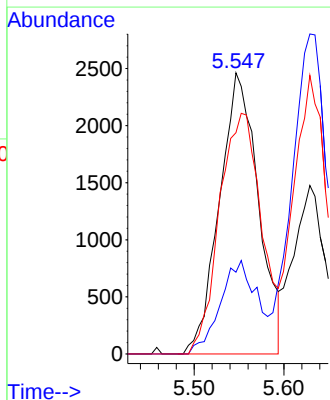
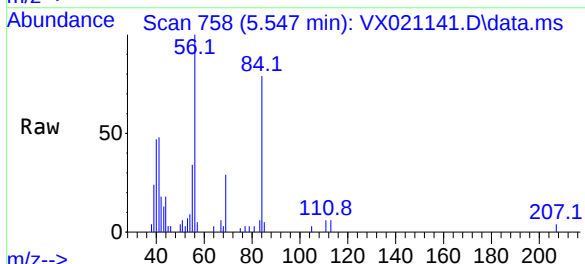
Instrument :
MSVOA_X
ClientSampled :
32920

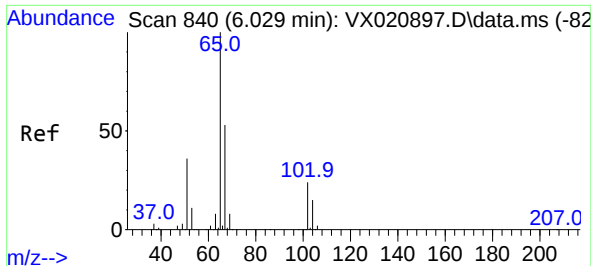
Tgt Ion: 43 Resp: 61978
Ion Ratio Lower Upper
43 100
72 30.5 23.7 35.5



#31
Cyclohexane
Concen: 1.87 ug/l
RT: 5.547 min Scan# 758
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion: 56 Resp: 7413
Ion Ratio Lower Upper
56 100
69 29.1 25.3 37.9
84 78.7 71.4 107.0



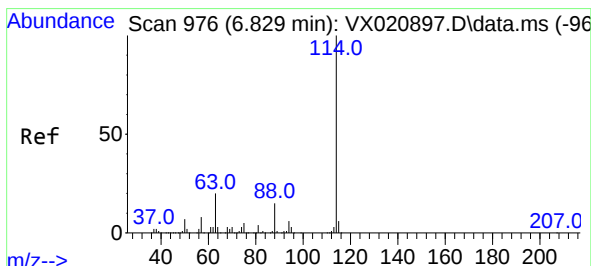
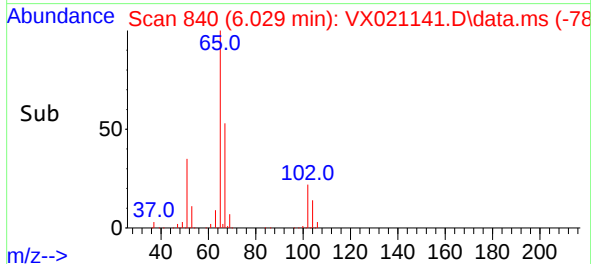
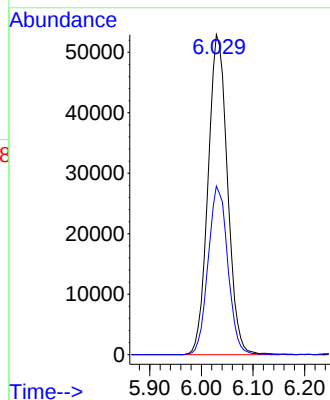
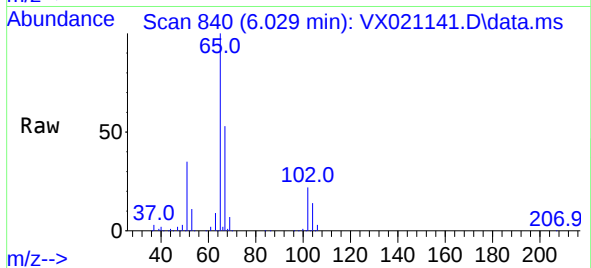


#33

1,2-Dichloroethane-d4
Concen: 50.58 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Instrument :
MSVOA_X
ClientSampleId :
32920

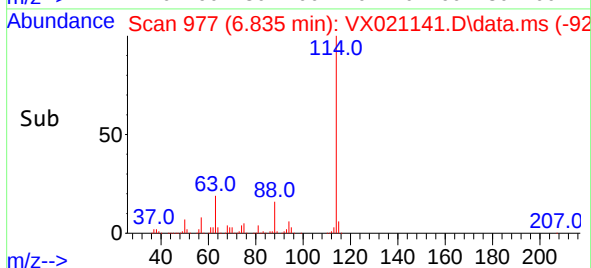
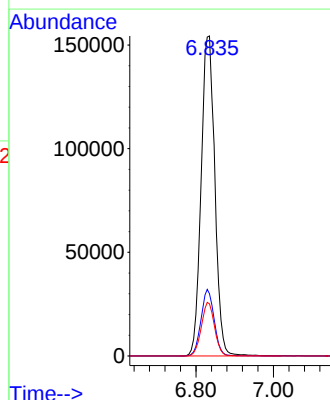
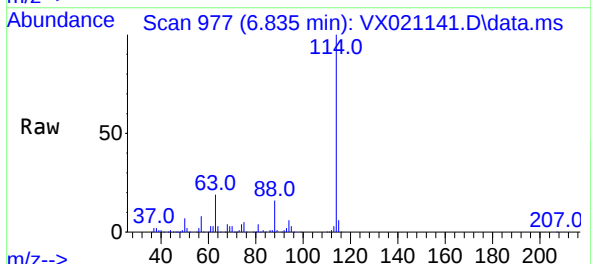
Tgt Ion: 65 Resp: 138457
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.4

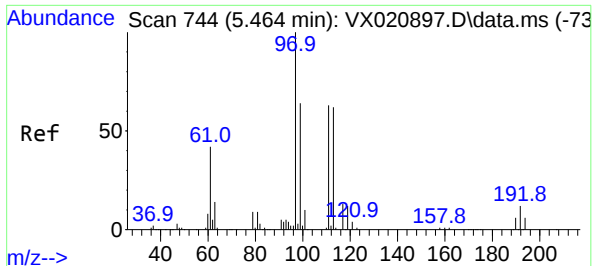


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.835 min Scan# 977
Delta R.T. 0.006 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion:114 Resp: 378687
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.8
88 16.3 0.0 32.8



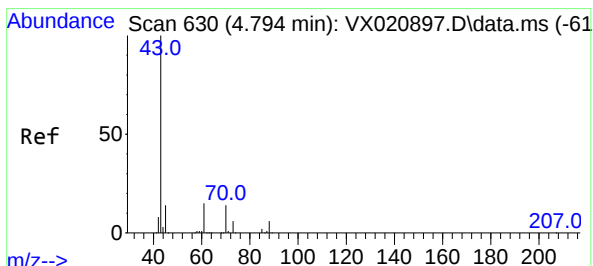
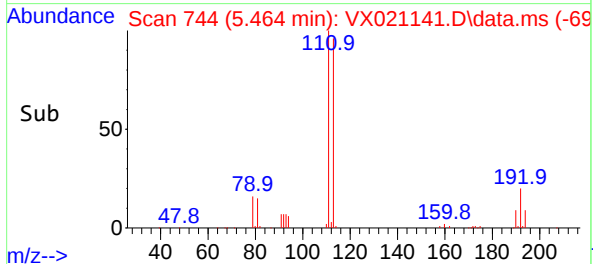
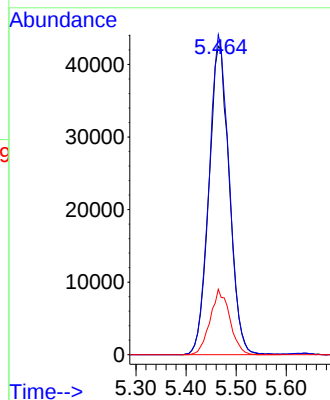
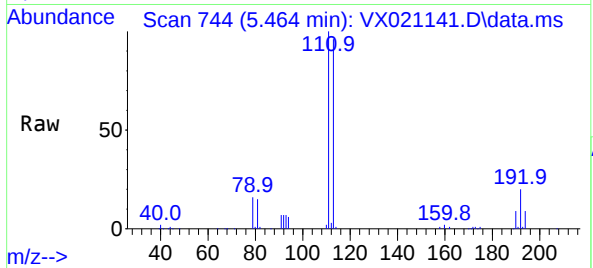


#35
Dibromofluoromethane
Concen: 52.34 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Instrument :
MSVOA_X
ClientSampleId :
32920

Tgt Ion:113 Resp: 120425

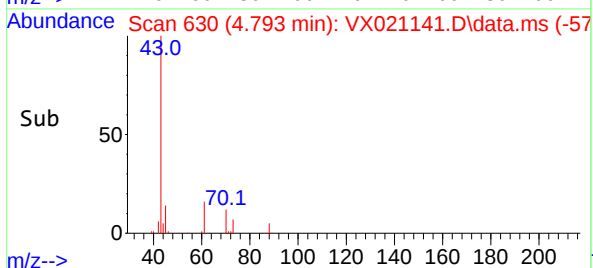
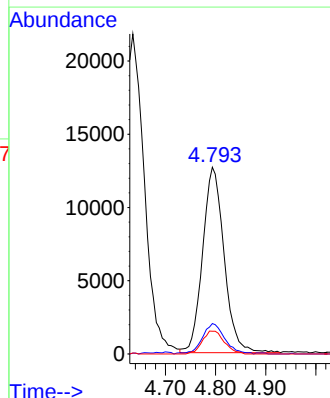
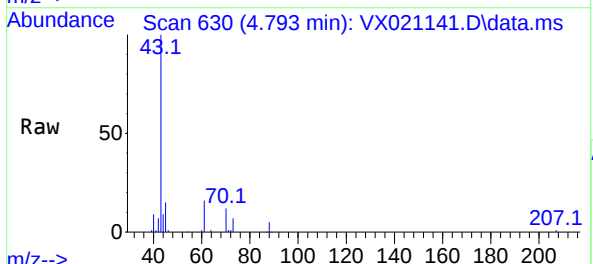
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.9	122.9
192	20.3	16.7	25.1

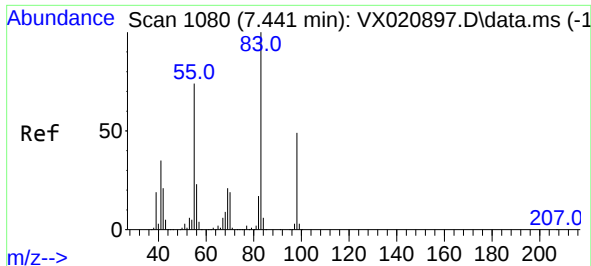


#37
Ethyl Acetate
Concen: 11.03 ug/l
RT: 4.793 min Scan# 630
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion: 43 Resp: 37775

Ion	Ratio	Lower	Upper
43	100		
61	17.1	12.8	19.2
70	12.6	10.5	15.7





#39

Methylcyclohexane

Concen: 1.54 ug/l

RT: 7.441 min Scan# 1080

Delta R.T. -0.000 min

Lab File: VX021141.D

Acq: 10 Mar 2021 16:44

Instrument :

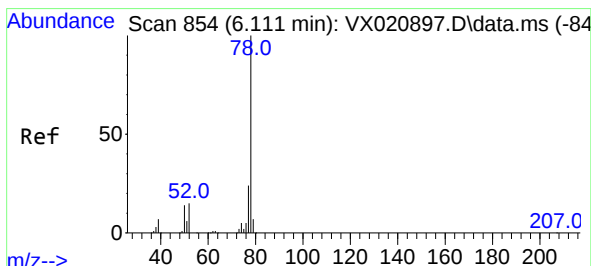
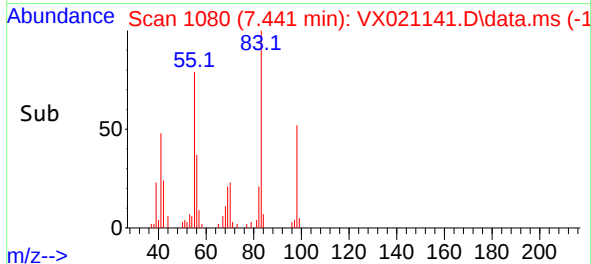
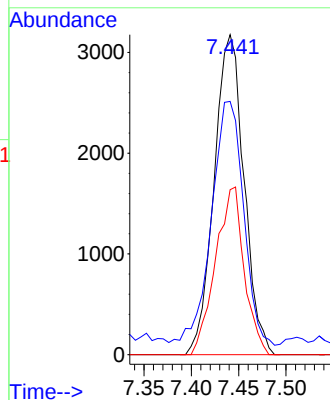
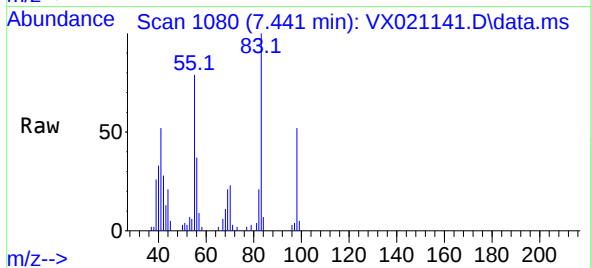
MSVOA_X

ClientSampleId :

32920

Tgt Ion: 83 Resp: 6970

Ion	Ratio	Lower	Upper
83	100		
55	75.9	58.9	88.3
98	51.5	38.1	57.1



#40

Benzene

Concen: 126.58 ug/l

RT: 6.111 min Scan# 854

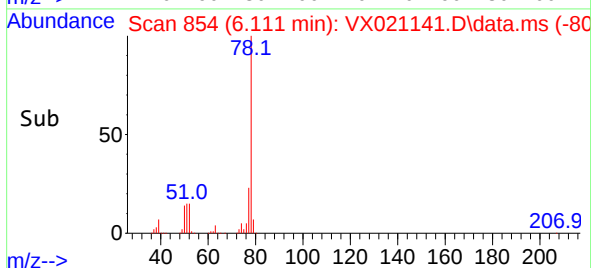
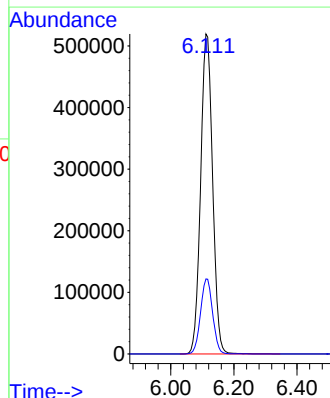
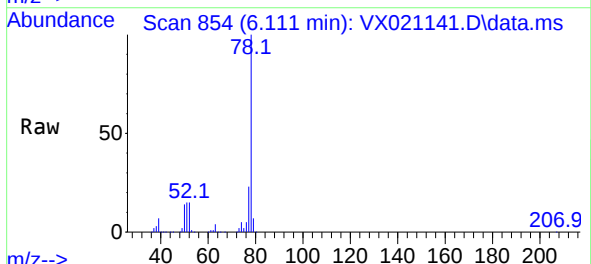
Delta R.T. -0.000 min

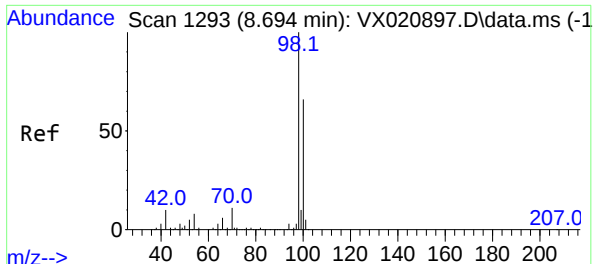
Lab File: VX021141.D

Acq: 10 Mar 2021 16:44

Tgt Ion: 78 Resp: 1365555

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3

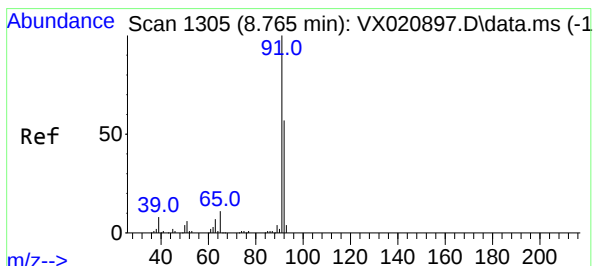
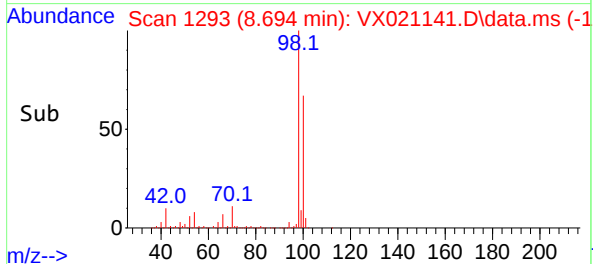
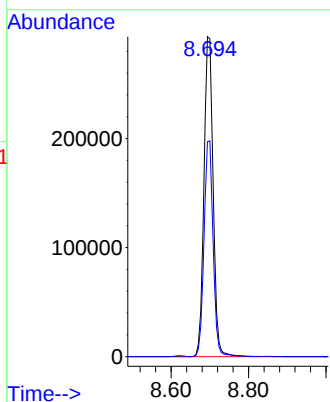
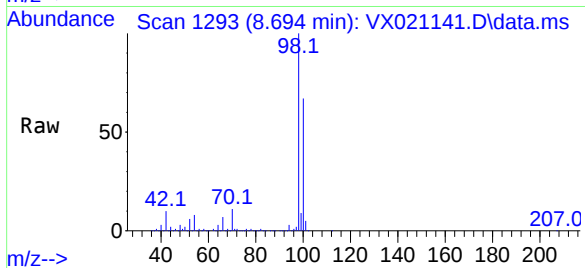




#50
Toluene-d8
Concen: 53.80 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

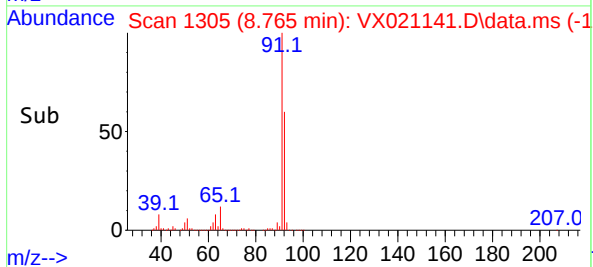
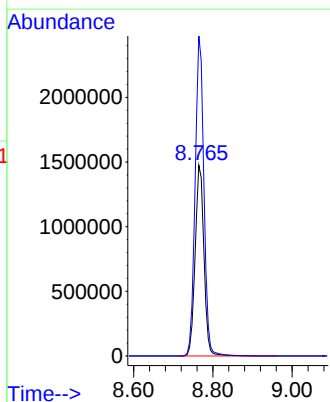
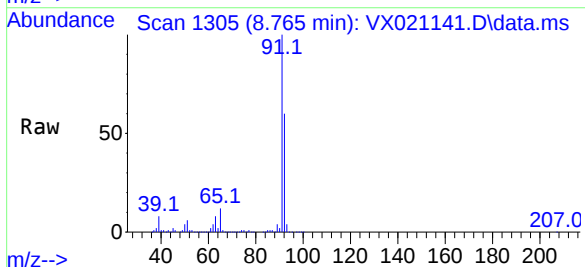
Instrument :
MSVOA_X
ClientSampleId :
32920

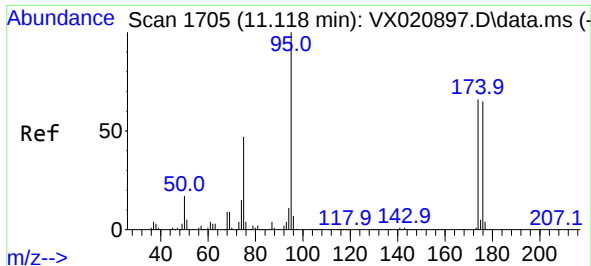
Tgt Ion: 98 Resp: 482649
Ion Ratio Lower Upper
98 100
100 66.6 51.9 77.9



#52
Toluene
Concen: 336.48 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion: 92 Resp: 2260797
Ion Ratio Lower Upper
92 100
91 167.3 137.1 205.7

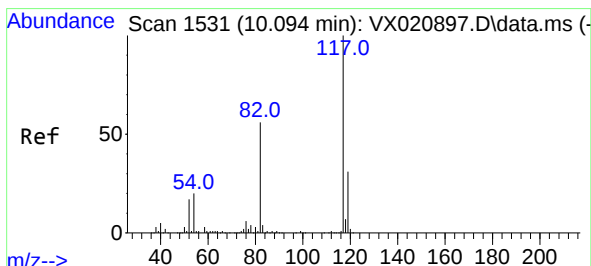
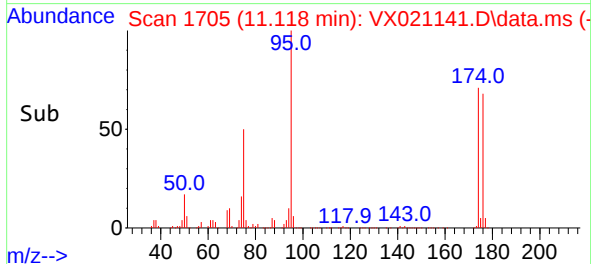
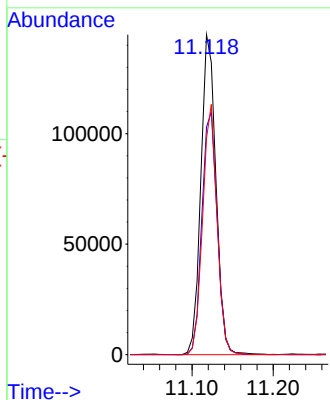
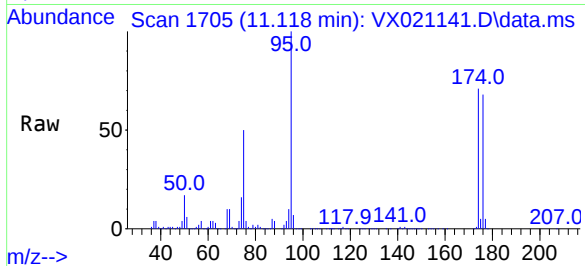




#62
4-Bromofluorobenzene
Concen: 56.24 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

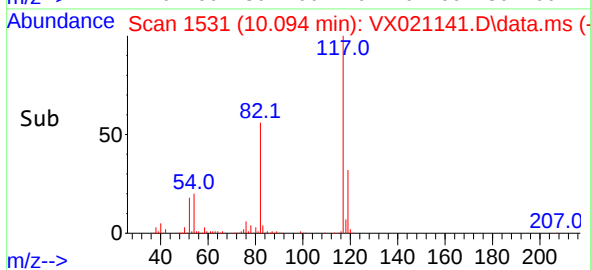
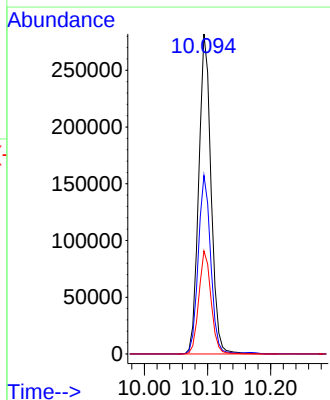
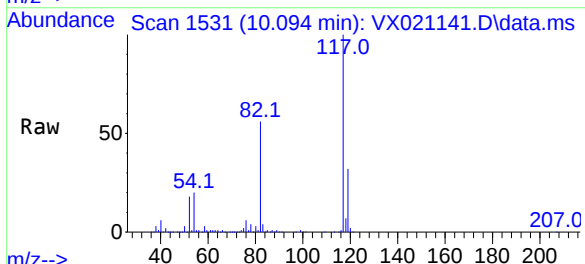
Instrument :
MSVOA_X
ClientSampled :
32920

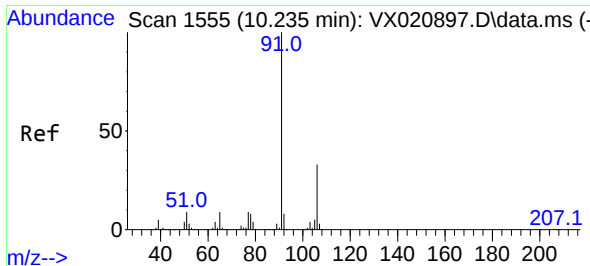
Tgt Ion: 95 Resp: 186554
Ion Ratio Lower Upper
95 100
174 77.2 0.0 154.6
176 74.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion: 117 Resp: 382407
Ion Ratio Lower Upper
117 100
82 55.8 47.4 71.2
119 32.2 26.6 39.8

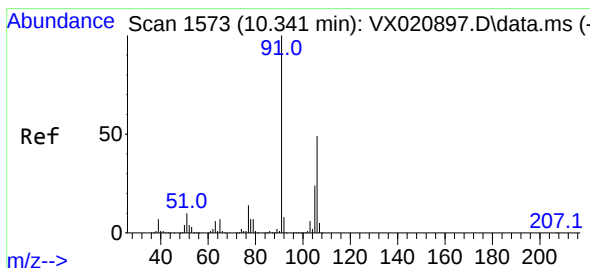
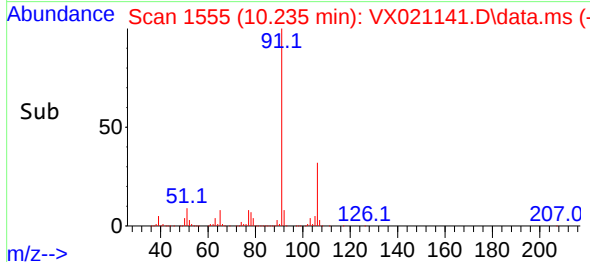
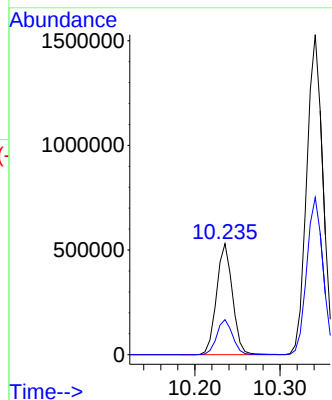
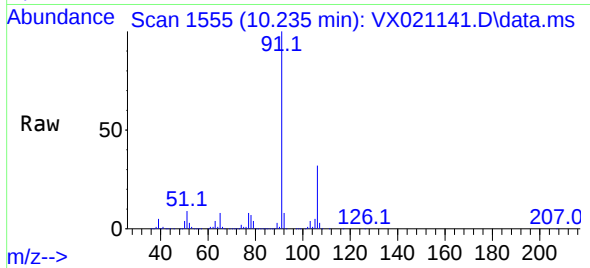




#67
Ethyl Benzene
Concen: 47.32 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

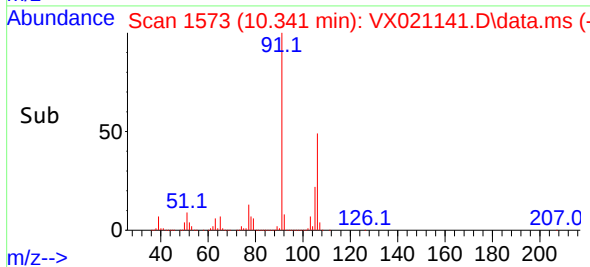
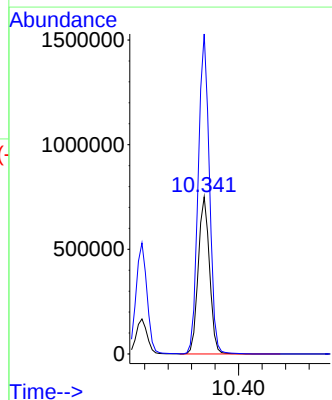
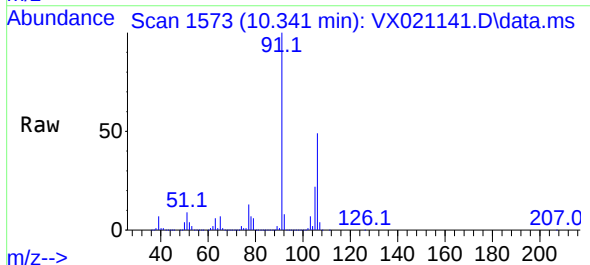
Instrument :
MSVOA_X
ClientSampleId :
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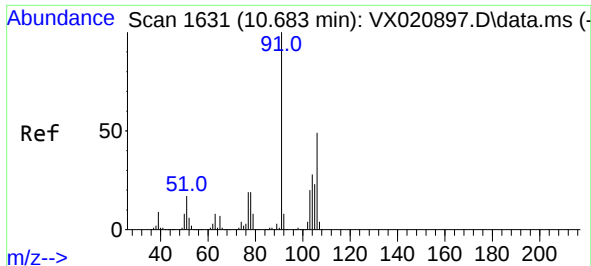
Tgt Ion: 91 Resp: 690944
Ion Ratio Lower Upper
91 100
106 31.6 24.6 37.0



#68
m/p-Xylenes
Concen: 186.00 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion:106 Resp: 999362
Ion Ratio Lower Upper
106 100
91 201.9 162.8 244.2

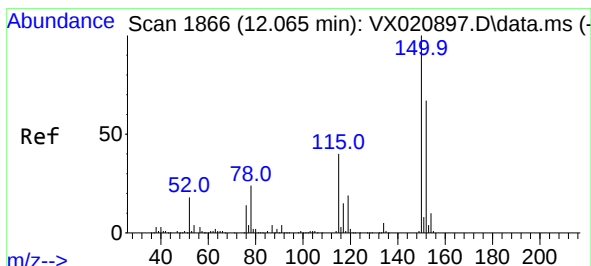
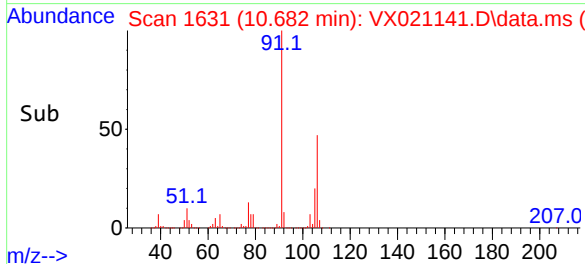
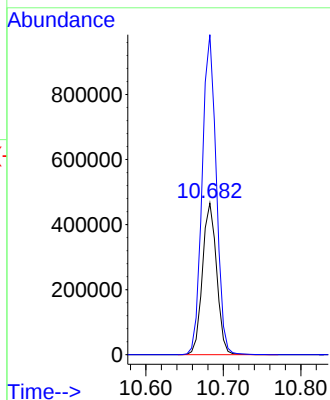
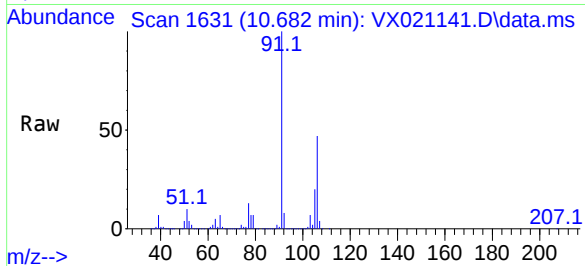




#69
o-Xylene
Concen: 113.00 ug/l
RT: 10.682 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

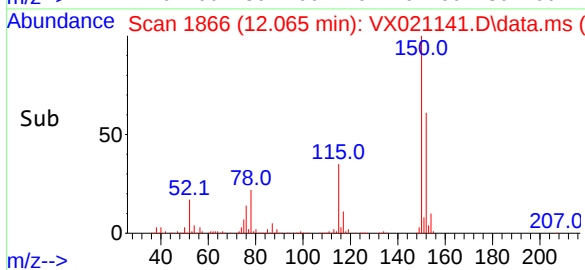
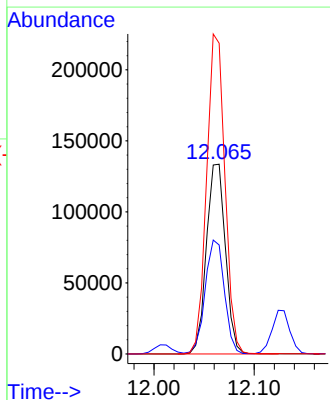
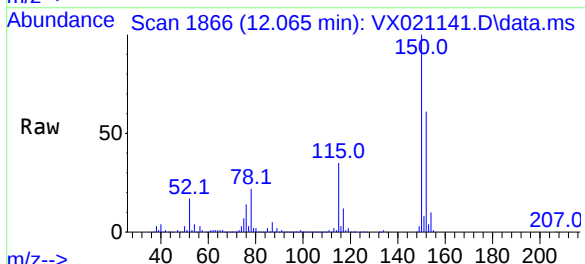
Instrument :
MSVOA_X
ClientSampled :
32920

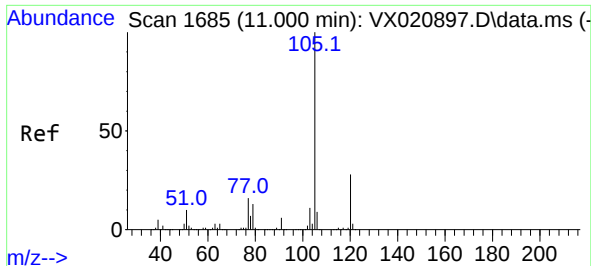
Tgt Ion:106 Resp: 592589
Ion Ratio Lower Upper
106 100
91 210.3 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion:152 Resp: 176191
Ion Ratio Lower Upper
152 100
115 60.7 41.1 123.3
150 162.3 0.0 349.0

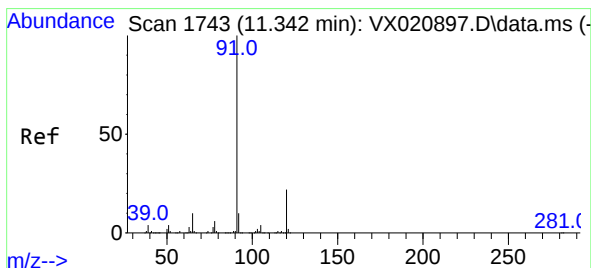
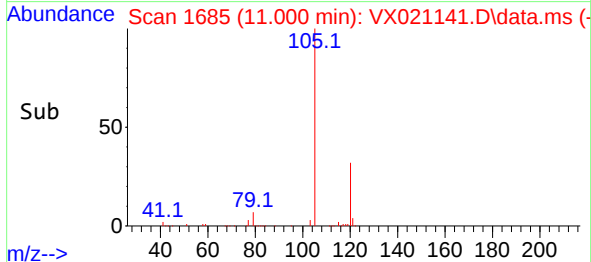
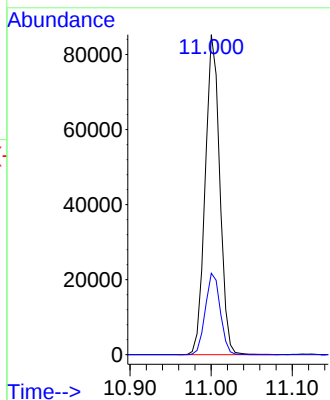
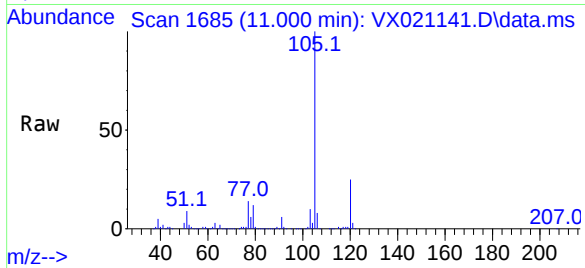




#73
Isopropylbenzene
Concen: 7.61 ug/l
RT: 11.000 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

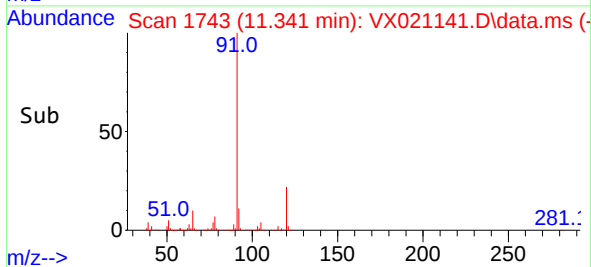
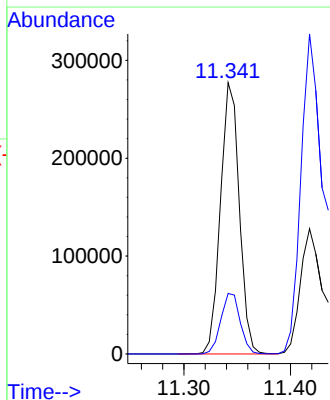
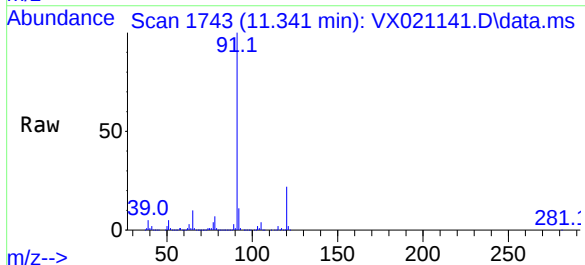
Instrument :
MSVOA_X
ClientSampled :
32920

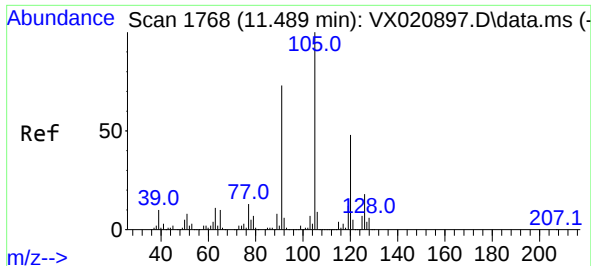
Tgt Ion:105 Resp: 105851
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.6



#78
n-propylbenzene
Concen: 21.39 ug/l
RT: 11.341 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion: 91 Resp: 339490
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.5

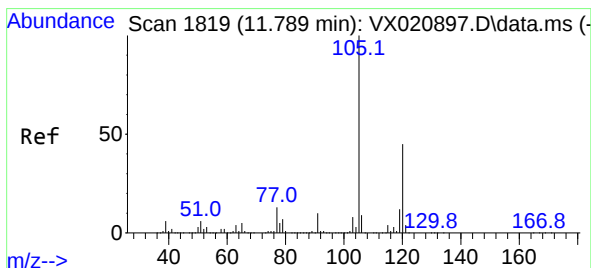
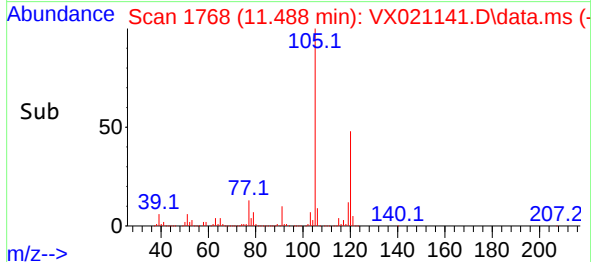
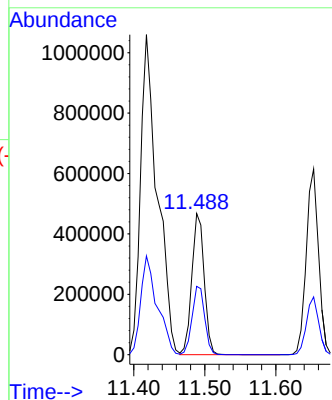
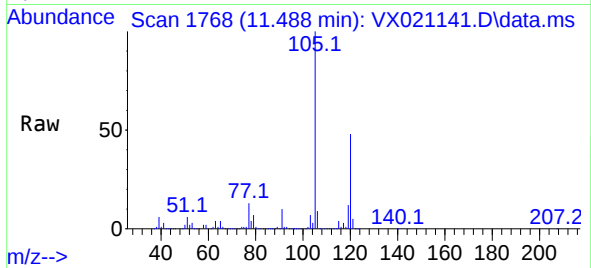




#80
1,3,5-Trimethylbenzene
Concen: 48.92 ug/l
RT: 11.488 min Scan# 1768
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

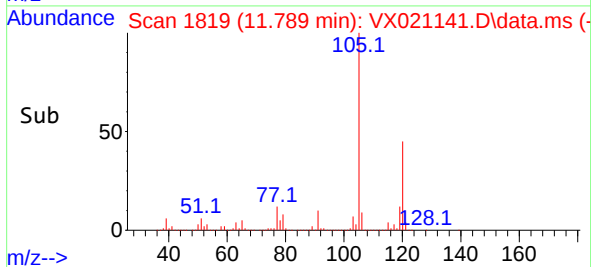
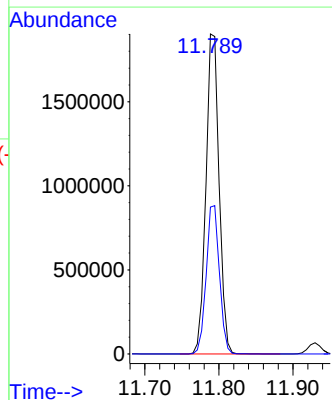
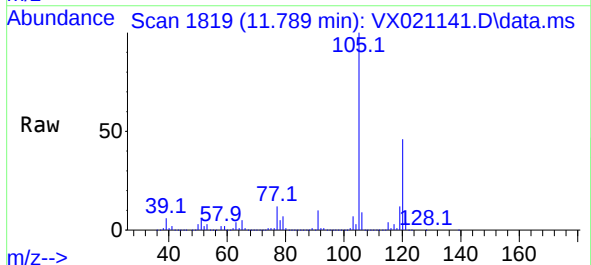
Instrument :
MSVOA_X
ClientSampled :
32920

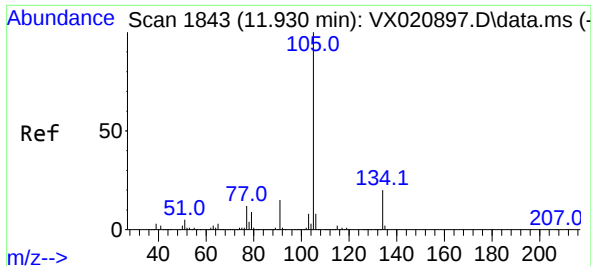
Tgt Ion:105 Resp: 566496
Ion Ratio Lower Upper
105 100
120 49.2 23.8 71.5



#84
1,2,4-Trimethylbenzene
Concen: 199.78 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion:105 Resp: 2348333
Ion Ratio Lower Upper
105 100
120 46.6 22.4 67.3

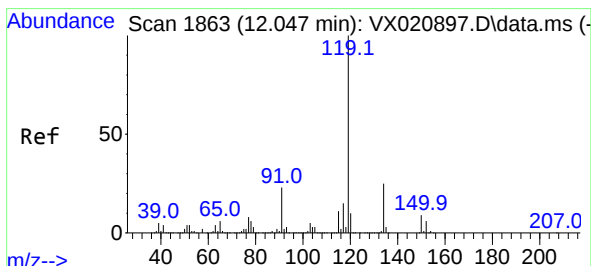
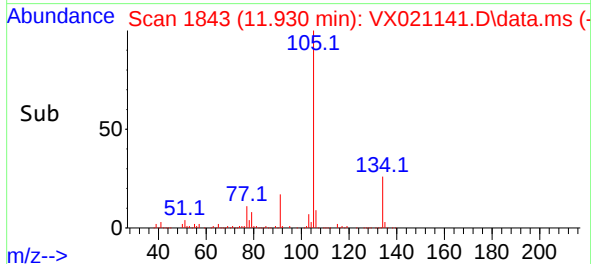
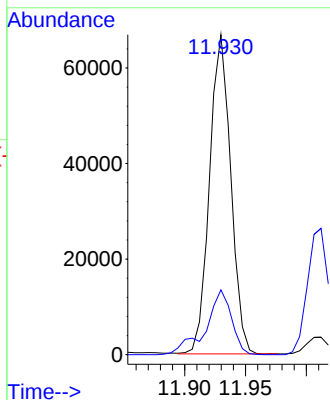
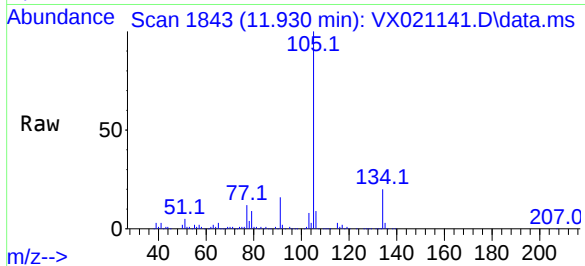




#85
sec-Butylbenzene
Concen: 6.10 ug/l
RT: 11.930 min Scan# 1843
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

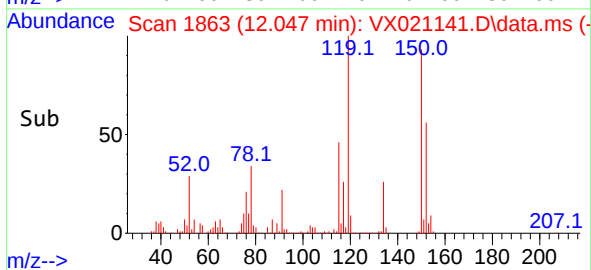
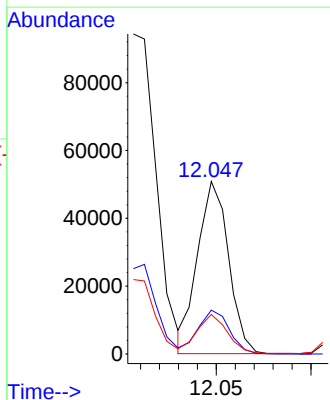
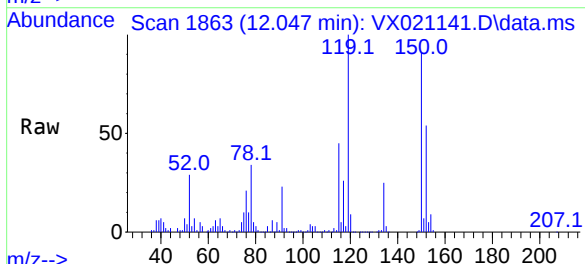
Instrument :
MSVOA_X
ClientSampled :
32920

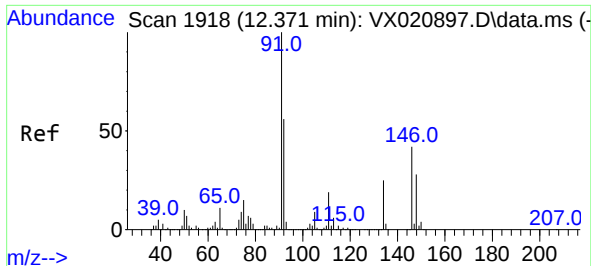
Tgt Ion:105 Resp: 80980
Ion Ratio Lower Upper
105 100
134 24.8 10.0 29.8



#86
p-Isopropyltoluene
Concen: 4.75 ug/l
RT: 12.047 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion:119 Resp: 57845
Ion Ratio Lower Upper
119 100
134 25.8 12.9 38.7
91 22.2 11.7 35.0

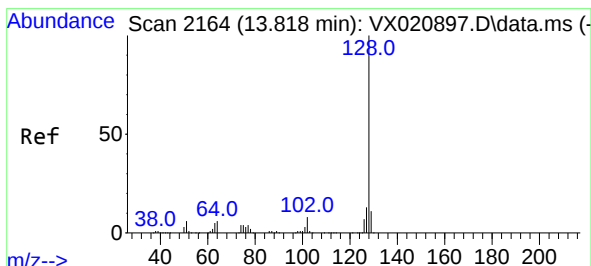
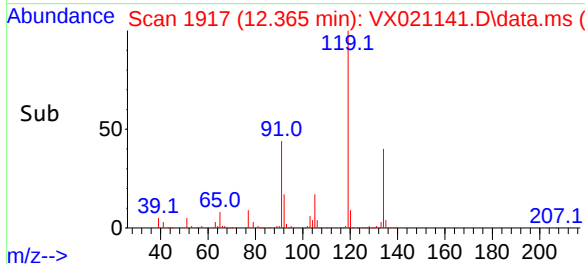
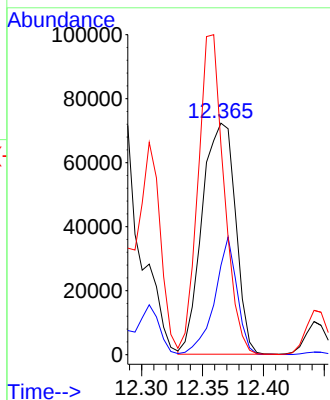
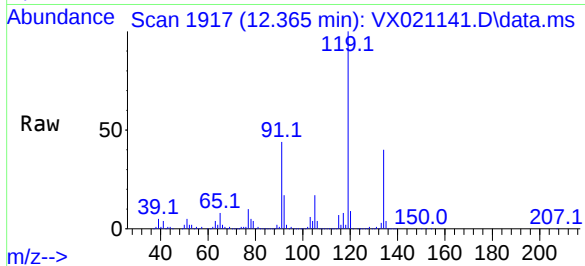




#89
n-Butylbenzene
Concen: 12.66 ug/l
RT: 12.365 min Scan# 1917
Delta R.T. -0.006 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Instrument :
MSVOA_X
ClientSampled :
32920

Tgt Ion: 91 Resp: 137515
Ion Ratio Lower Upper
91 100
92 34.0 27.4 82.0
134 107.9 13.2 39.5#



#95
Naphthalene
Concen: 24.65 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. -0.000 min
Lab File: VX021141.D
Acq: 10 Mar 2021 16:44

Tgt Ion:128 Resp: 318543
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 12.1 8.8 13.2

