

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123020\
 Data File : VX020465.D
 Acq On : 30 Dec 2020 18:51
 Operator : JC/MD
 Sample : L5222-19 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31362

Quant Time: Dec 31 01:10:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	260764	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	439101	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	409452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	191203	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	161889	46.32	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.64%
35) Dibromofluoromethane	5.464	113	138078	49.16	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.32%
50) Toluene-d8	8.695	98	531858	49.19	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.38%
62) 4-Bromofluorobenzene	11.122	95	199399	48.19	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.38%

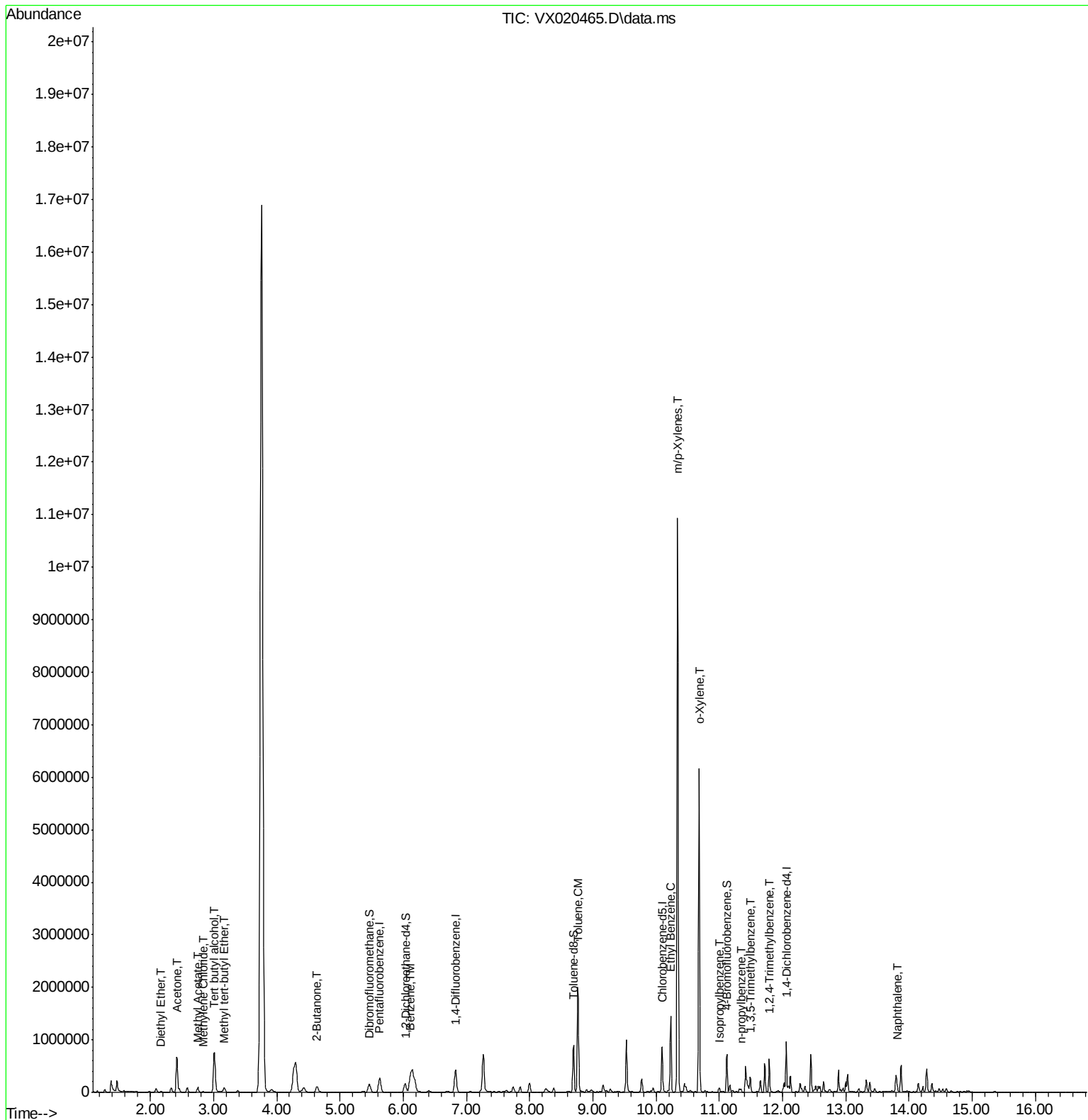
Target Compounds						Qvalue
8) Diethyl Ether	2.166	74	2653	1.33	ug/l	78
11) Tert butyl alcohol	3.013	59	171080	218.57	ug/l #	88
16) Acetone	2.416	43	682000	427.88	ug/l	99
18) Methyl Acetate	2.751	43	119914	33.73	ug/l	98
19) Methyl tert-butyl Ether	3.172	73	92550	9.28	ug/l	100
20) Methylene Chloride	2.837	84	4437	1.23	ug/l	95
25) 2-Butanone	4.635	43	175449	75.63	ug/l	98
40) Benzene	6.110	78	347739	25.74	ug/l	99
52) Toluene	8.762	92	757630	91.90	ug/l	99
67) Ethyl Benzene	10.232	91	875393	57.00	ug/l	99
68) m/p-Xylenes	10.341	106	2477672	432.19	ug/l	99
69) o-Xylene	10.683	106	1334320	241.84	ug/l	99
73) Isopropylbenzene	11.000	105	42640	3.09	ug/l	98
78) n-propylbenzene	11.341	91	40204	2.53	ug/l	98
80) 1,3,5-Trimethylbenzene	11.488	105	124757	10.67	ug/l	98
84) 1,2,4-Trimethylbenzene	11.792	105	292090	24.60	ug/l	100
95) Naphthalene	13.816	128	69583	5.27	ug/l	99

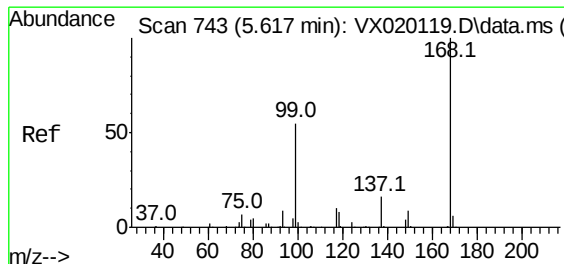
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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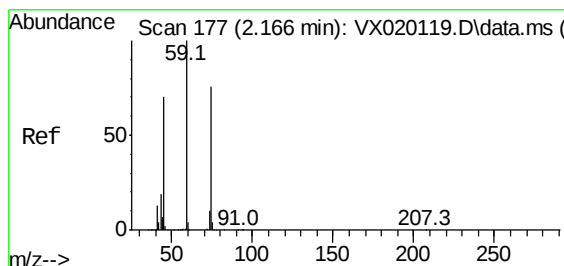
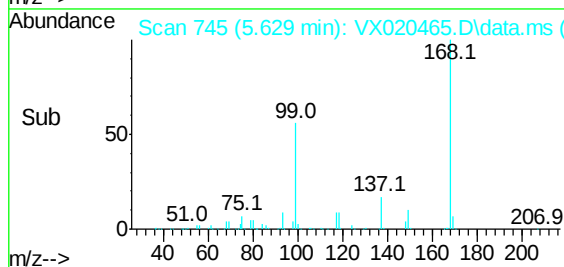
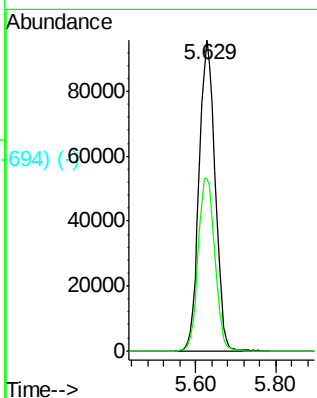
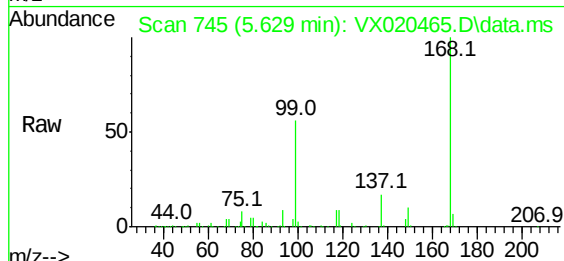




(-743) (-)
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.629 min Scan# 745
 Delta R.T. 0.012 min
 Lab File: VX020465.D
 Acq: 30 Dec 2020 18:51

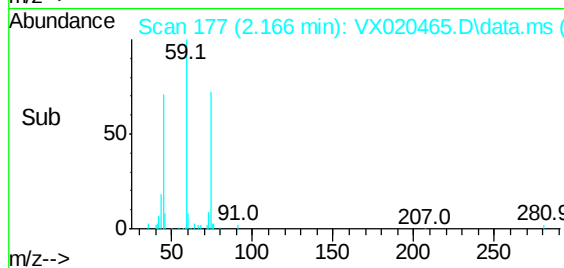
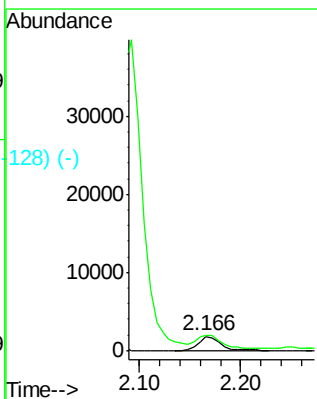
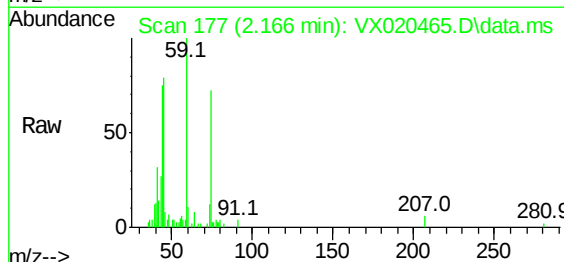
Instrument :
 MSVOA_X
 ClientSampleId :
 31362

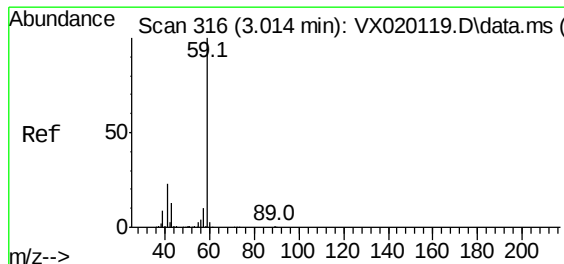
Tgt Ion:168 Resp: 260764
 Ion Ratio Lower Upper
 168 100
 99 55.6 45.8 68.6



(-177) (-)
 Diethyl Ether
 Concen: 1.33 ug/l
 RT: 2.166 min Scan# 177
 Delta R.T. 0.000 min
 Lab File: VX020465.D
 Acq: 30 Dec 2020 18:51

Tgt Ion: 74 Resp: 2653
 Ion Ratio Lower Upper
 74 100
 45 109.2 44.5 133.5

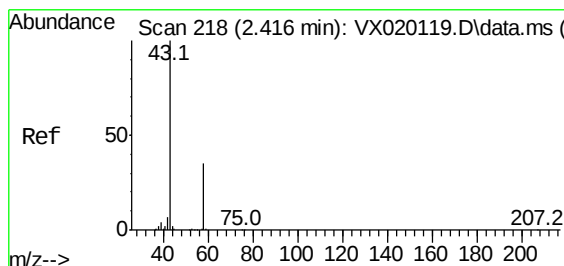
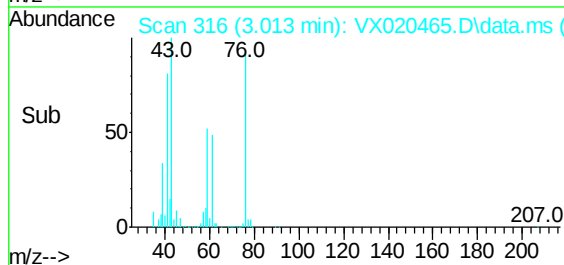
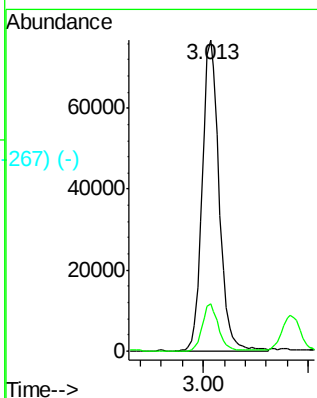
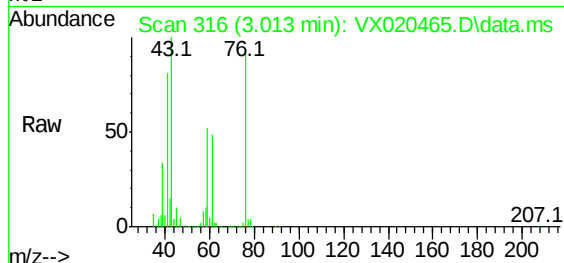




Tert butyl alcohol
 Concen: 218.57 ug/l
 RT: 3.013 min Scan# 316
 Delta R.T. -0.001 min
 Lab File: VX020465.D
 Acq: 30 Dec 2020 18:51

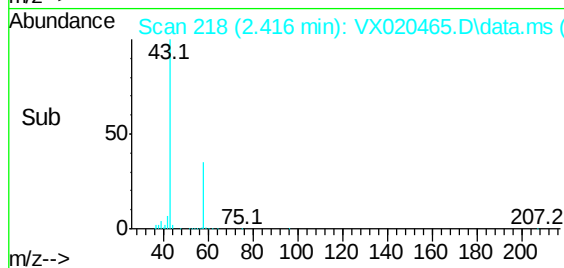
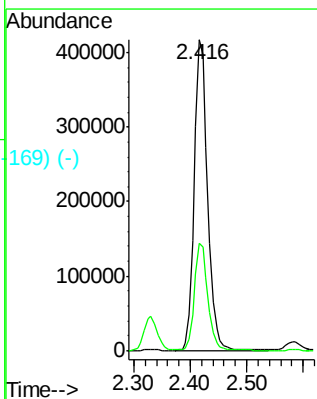
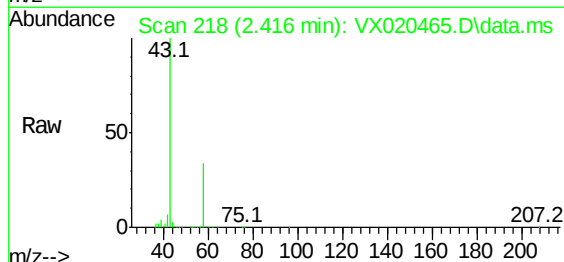
Instrument :
 MSVOA_X
 ClientSampleId :
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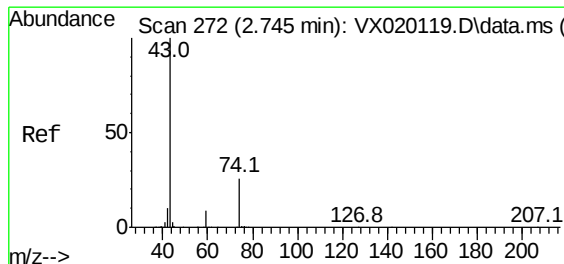
Tgt Ion: 59 Resp: 171080
 Ion Ratio Lower Upper
 59 100
 57 14.3 7.8 11.8#



Acetone
 Concen: 427.88 ug/l
 RT: 2.416 min Scan# 218
 Delta R.T. 0.000 min
 Lab File: VX020465.D
 Acq: 30 Dec 2020 18:51

Tgt Ion: 43 Resp: 682000
 Ion Ratio Lower Upper
 43 100
 58 34.5 27.8 41.8

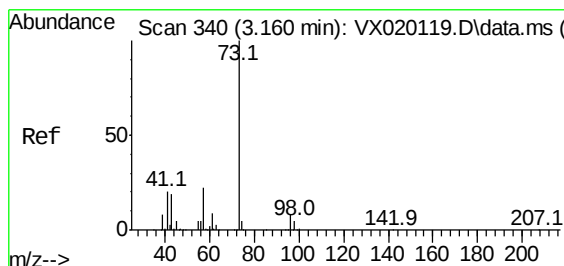
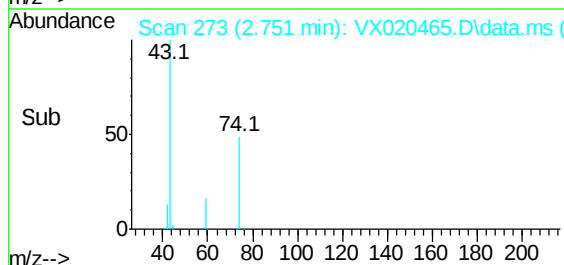
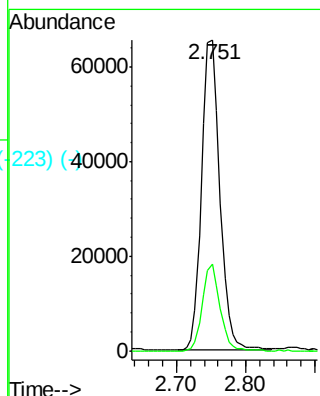
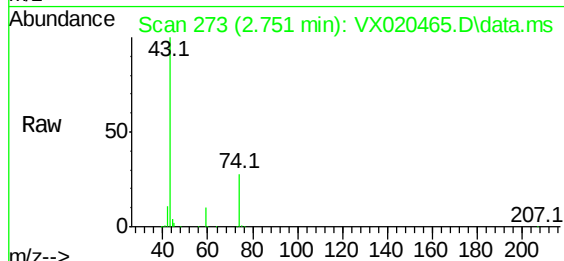




Methyl Acetate
Concen: 33.73 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

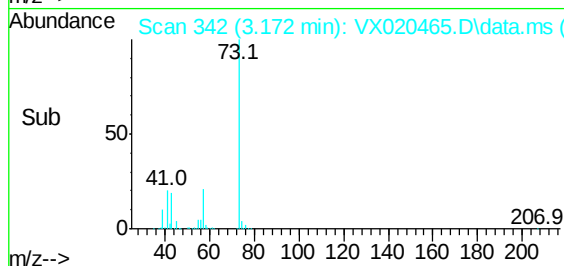
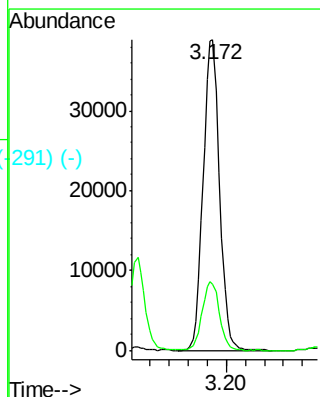
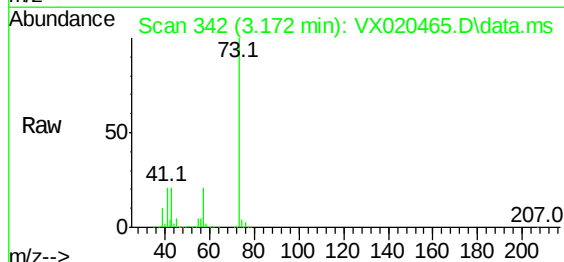
Instrument :
MSVOA_X
ClientSampleId :
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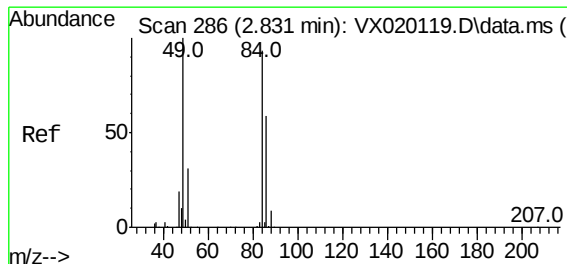
Tgt Ion: 43 Resp: 119914
Ion Ratio Lower Upper
43 100
74 26.6 21.9 32.9



Methyl tert-butyl Ether
Concen: 9.28 ug/l
RT: 3.172 min Scan# 342
Delta R.T. 0.012 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

Tgt Ion: 73 Resp: 92550
Ion Ratio Lower Upper
73 100
57 21.3 17.1 25.7



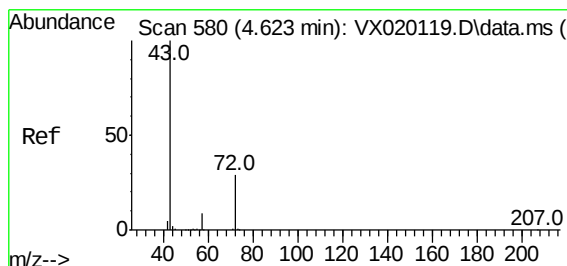
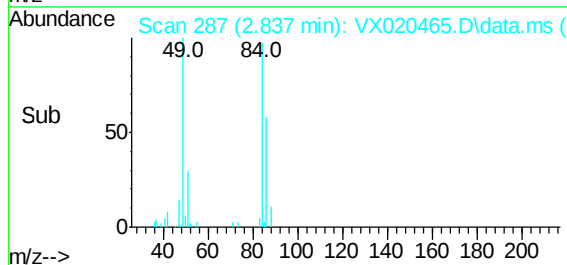
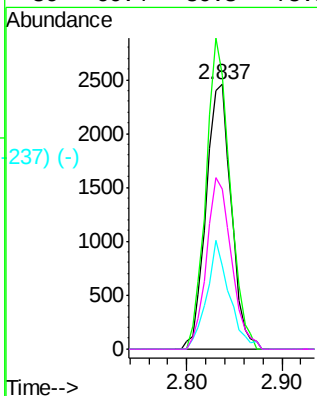
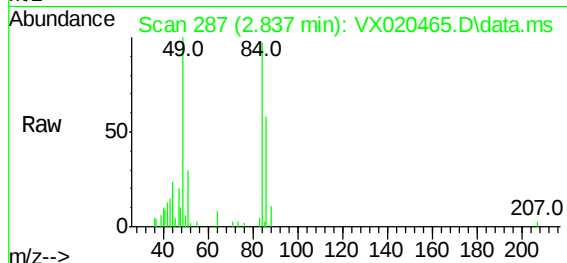


Methylene Chloride
Concen: 1.23 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020465.D
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Instrument :
MSVOA_X
ClientSampleId :
31362

Tgt Ion: 84 Resp: 4437

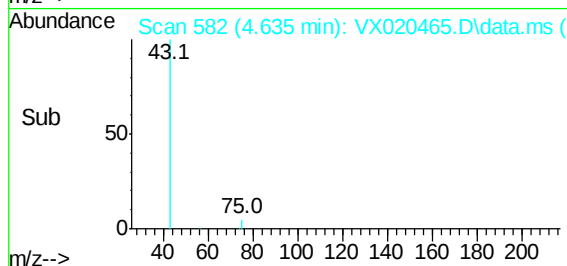
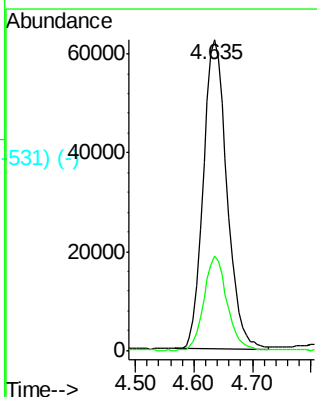
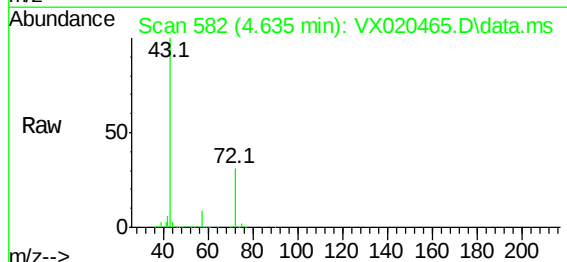
Ion	Ratio	Lower	Upper
84	100		
49	103.5	88.6	132.8
51	31.2	27.0	40.6
86	60.4	50.3	75.5

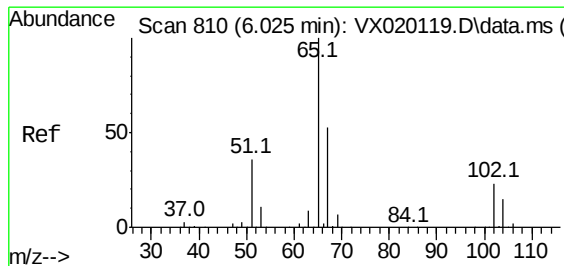


2-Butanone
Concen: 75.63 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.012 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

Tgt Ion: 43 Resp: 175449

Ion	Ratio	Lower	Upper
43	100		
72	30.6	23.7	35.5

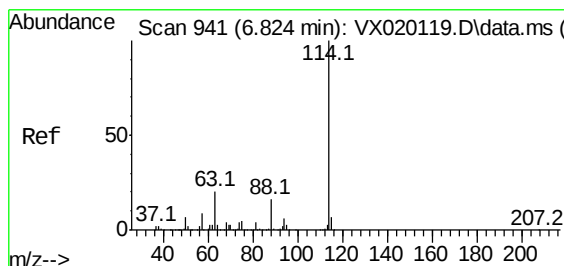
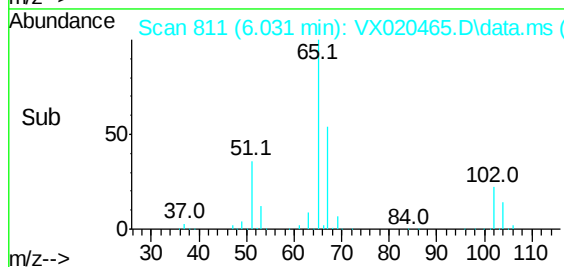
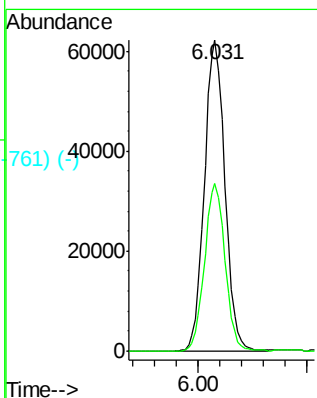
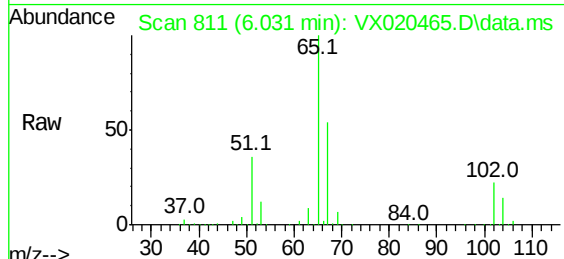




1,2-Dichloroethane-d4
Concen: 46.32 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

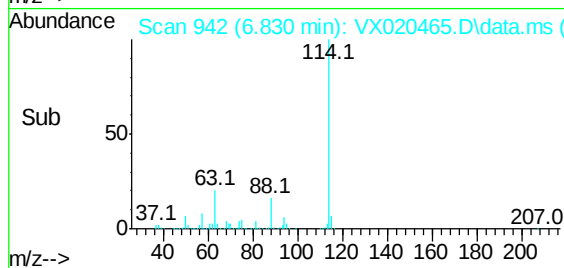
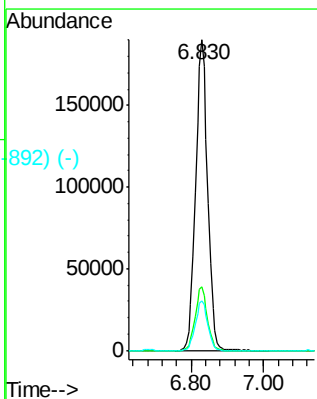
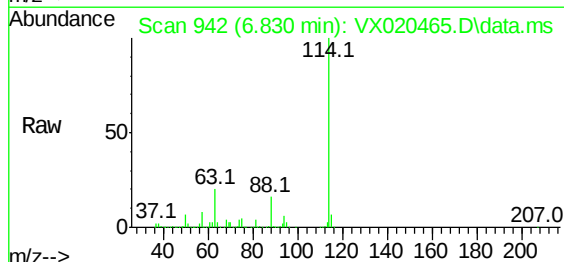
Instrument :
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ClientSampleId :
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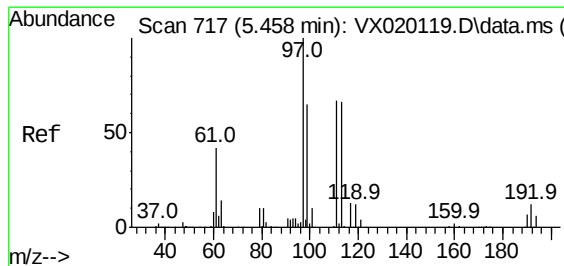
Tgt Ion: 65 Resp: 161889
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.4



1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

Tgt Ion: 114 Resp: 439101
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 16.1 0.0 32.8

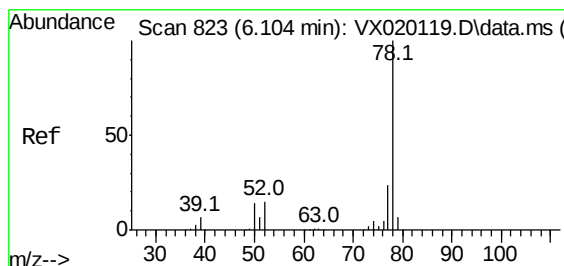
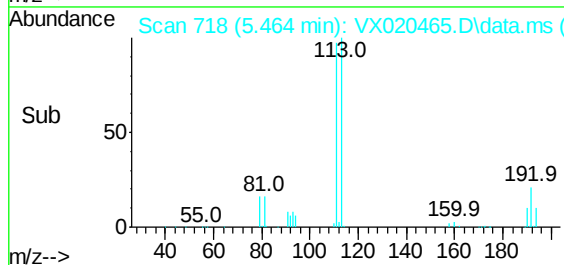
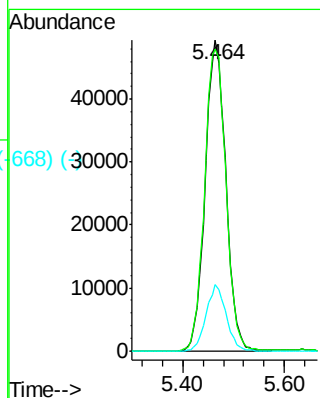
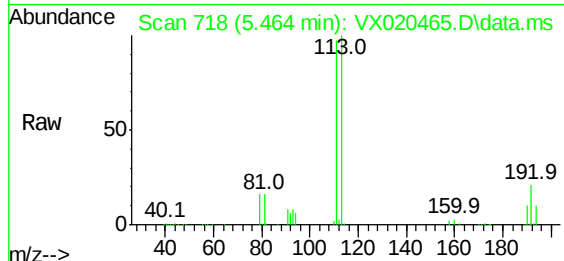




Dibromofluoromethane
Concen: 49.16 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

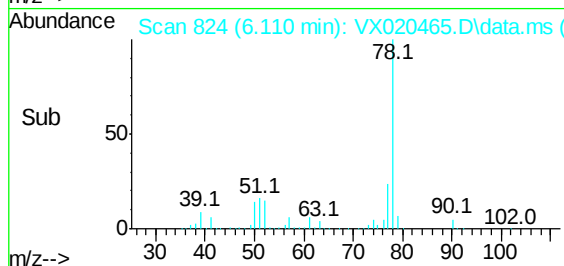
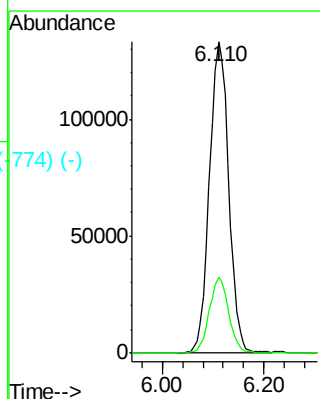
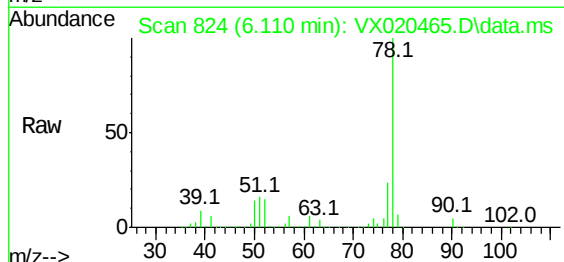
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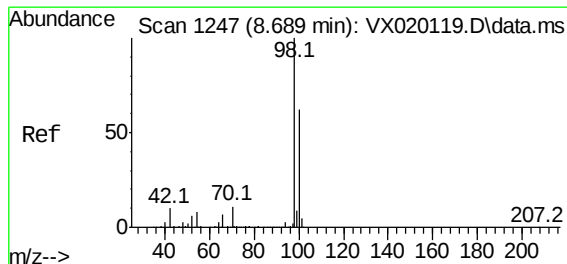
Tgt Ion:113 Resp: 138078
Ion Ratio Lower Upper
113 100
111 100.8 81.9 122.9
192 20.5 16.7 25.1



Benzene
Concen: 25.74 ug/l
RT: 6.110 min Scan# 824
Delta R.T. 0.006 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

Tgt Ion: 78 Resp: 347739
Ion Ratio Lower Upper
78 100
77 24.3 18.9 28.3

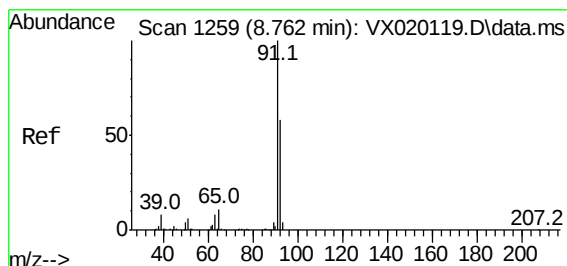
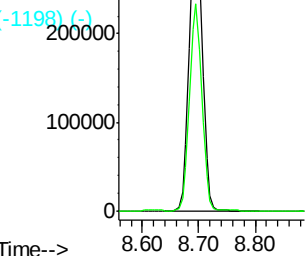
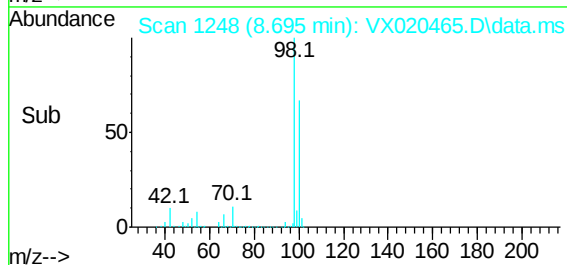
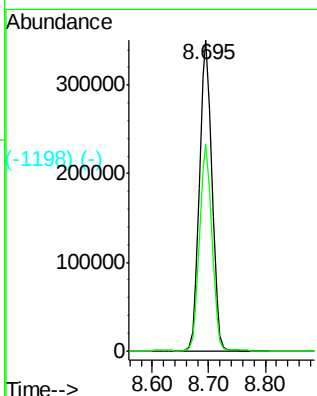
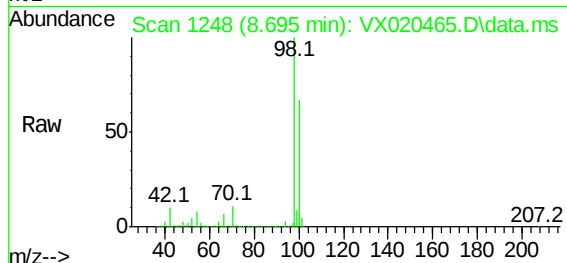




#509 (-)
Toluene-d8
Concen: 49.19 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

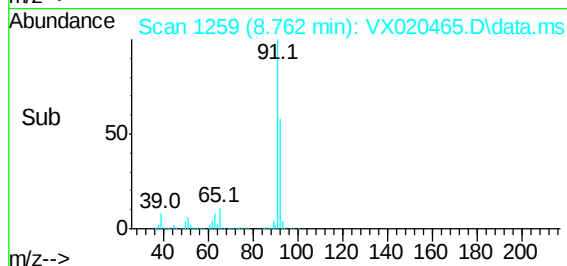
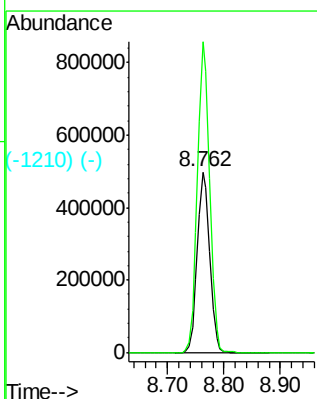
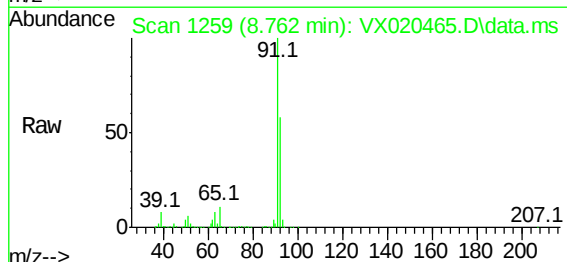
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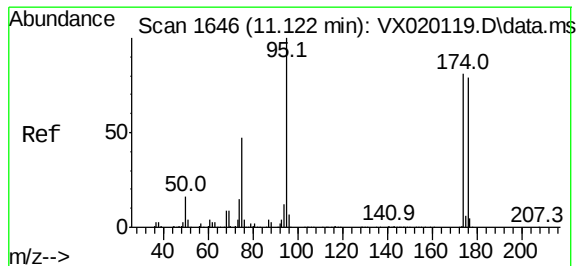
Tgt Ion: 98 Resp: 531858
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9



#501 (-)
Toluene
Concen: 91.90 ug/l
RT: 8.762 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

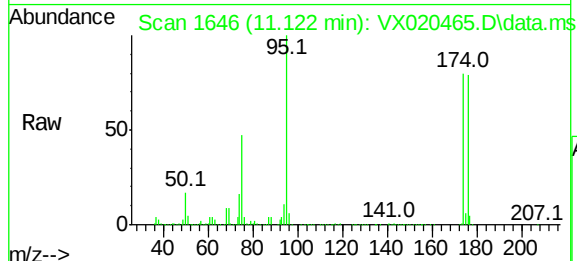
Tgt Ion: 92 Resp: 757630
Ion Ratio Lower Upper
92 100
91 170.4 137.1 205.7



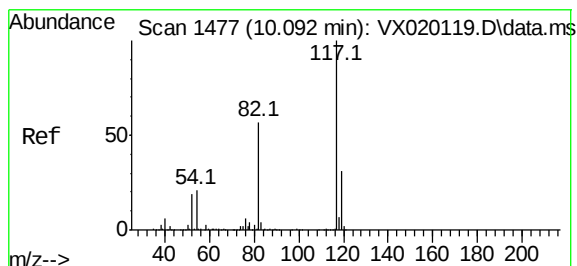
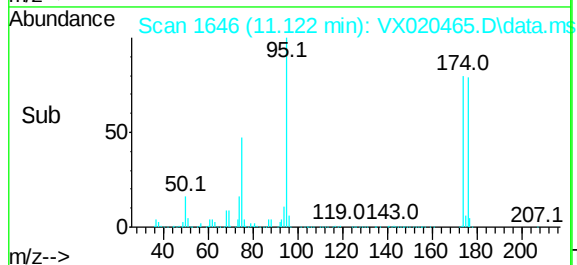
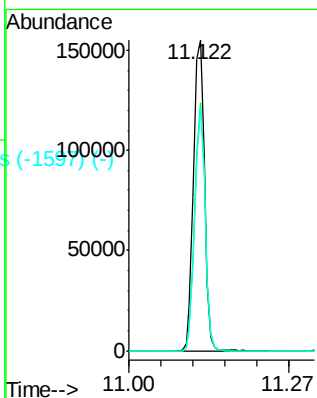


#639 (-)
4-Bromofluorobenzene
Concen: 48.19 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

Instrument :
MSVOA_X
ClientSampleId :
31362

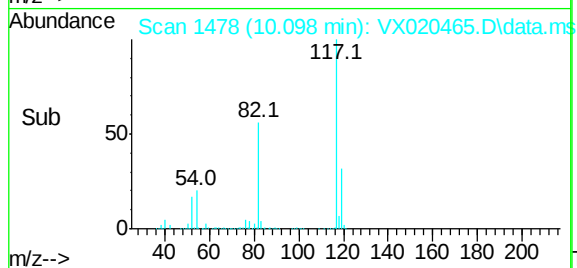
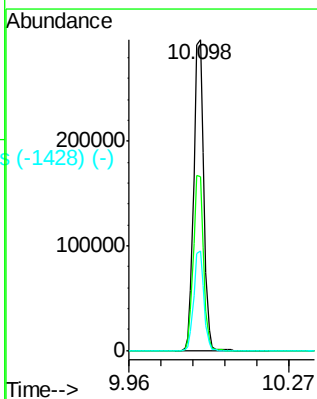
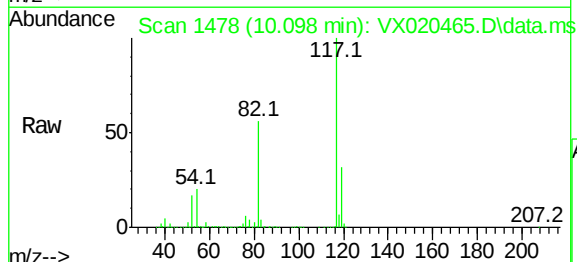


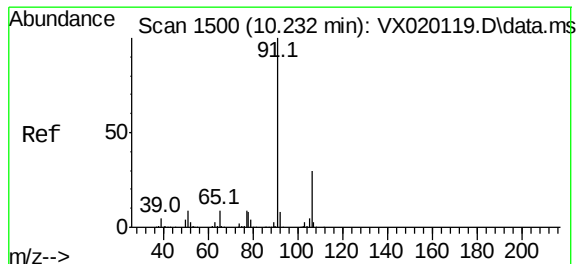
Tgt Ion: 95 Resp: 199399
Ion Ratio Lower Upper
95 100
174 76.7 0.0 154.6
176 74.5 0.0 155.8



#640 (-)
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

Tgt Ion: 117 Resp: 409452
Ion Ratio Lower Upper
117 100
82 55.8 47.4 71.2
119 31.9 26.6 39.8

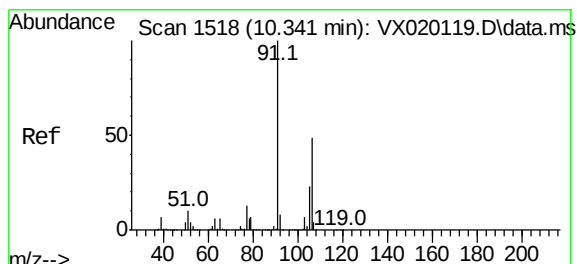
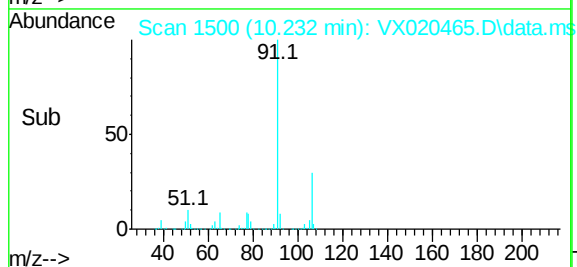
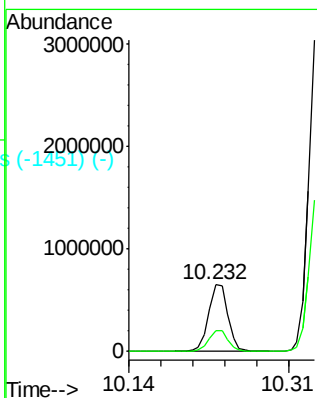
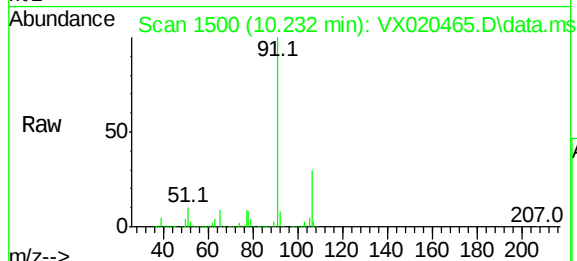




#6793 (-)
Ethyl Benzene
Concen: 57.00 ug/l
RT: 10.232 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

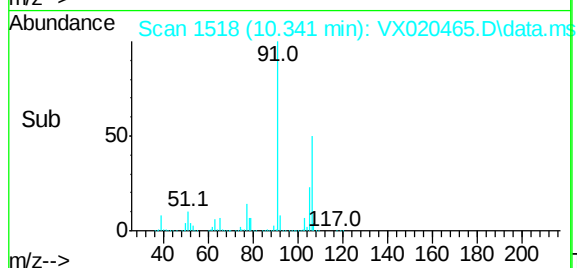
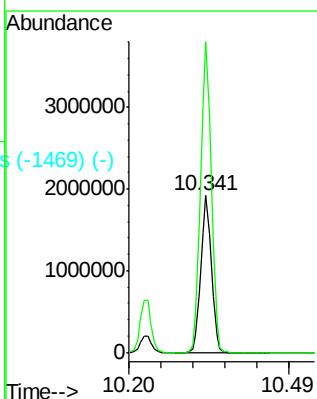
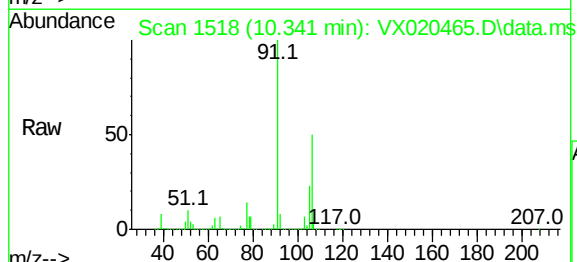
Instrument :
MSVOA_X
ClientSampleId :
31362

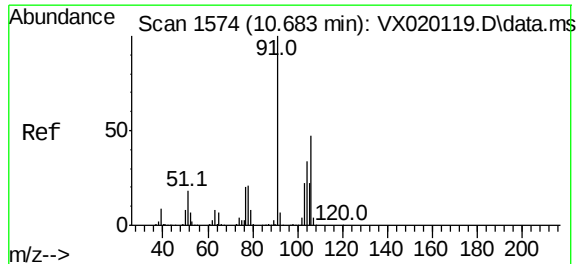
Tgt Ion: 91 Resp: 875393
Ion Ratio Lower Upper
91 100
106 30.5 24.6 37.0



#6811 (-)
m/p-Xylenes
Concen: 432.19 ug/l
RT: 10.341 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

Tgt Ion:106 Resp: 2477672
Ion Ratio Lower Upper
106 100
91 201.9 162.8 244.2

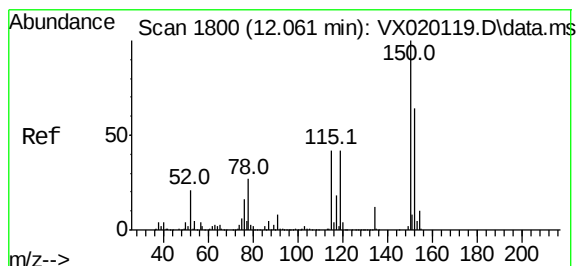
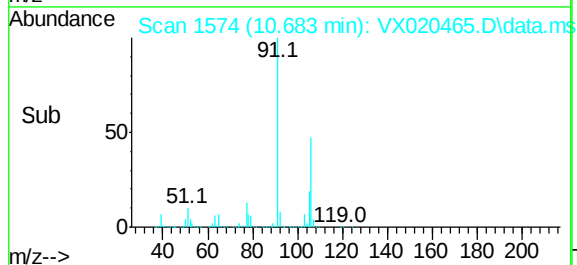
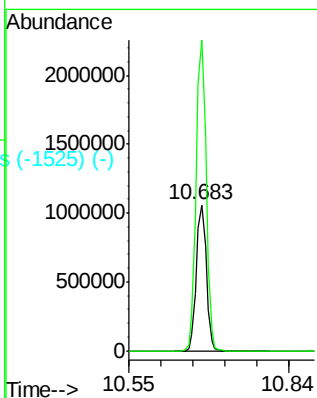
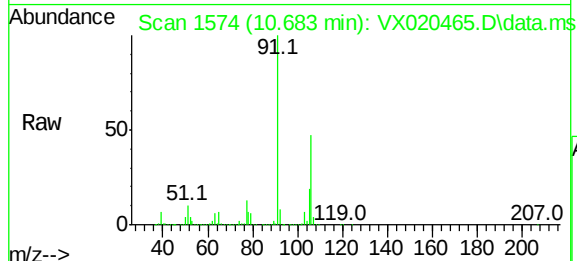




#697 (-)
o-Xylene
Concen: 241.84 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

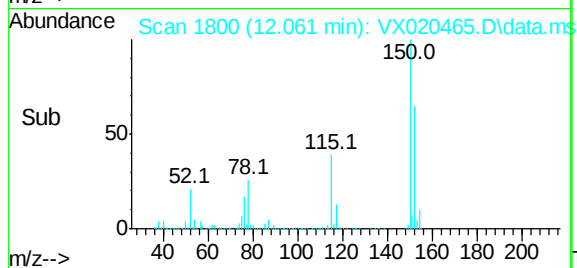
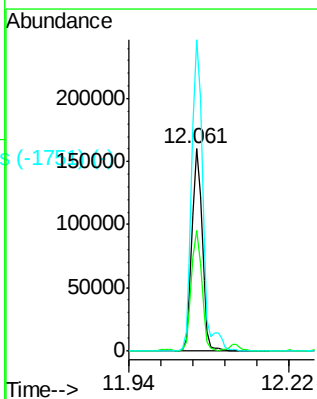
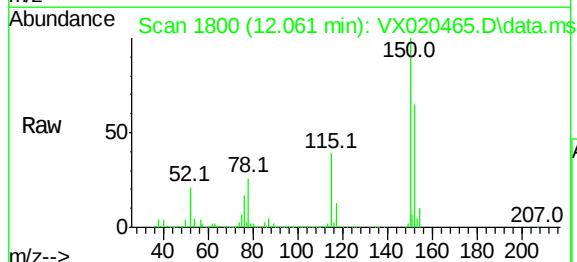
Instrument :
MSVOA_X
ClientSampleId :
31362

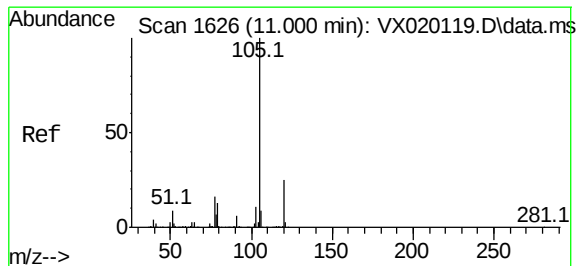
Tgt Ion:106 Resp: 1334320
Ion Ratio Lower Upper
106 100
91 215.3 108.1 324.2



#724 (-)
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

Tgt Ion:152 Resp: 191203
Ion Ratio Lower Upper
152 100
115 59.7 41.1 123.3
150 167.4 0.0 349.0

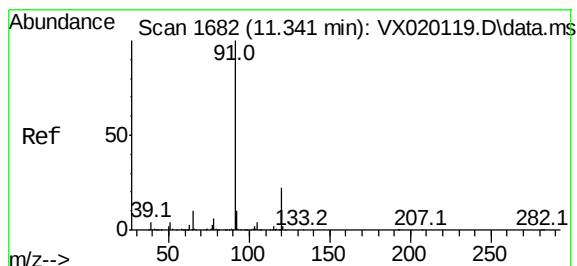
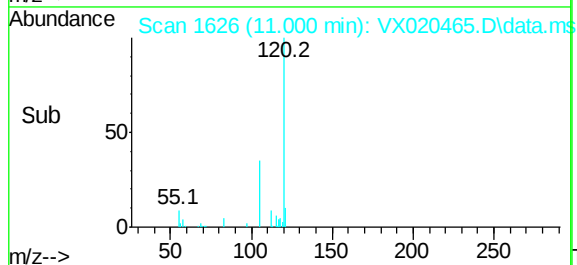
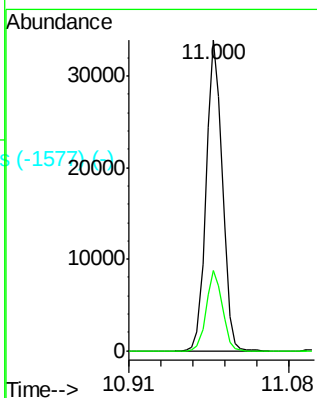
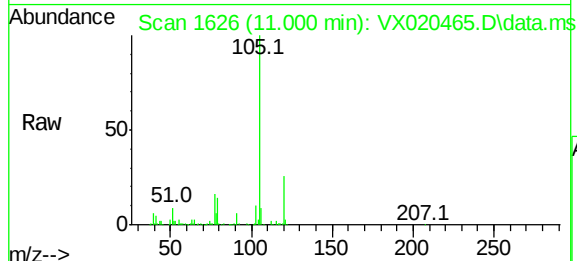




#1618 (-)
Isopropylbenzene
Concen: 3.09 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

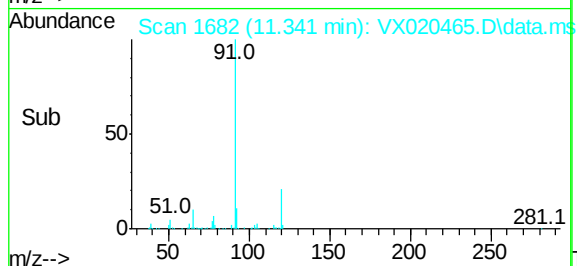
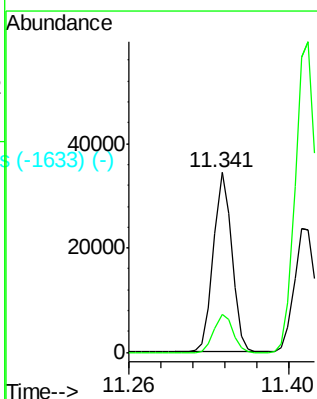
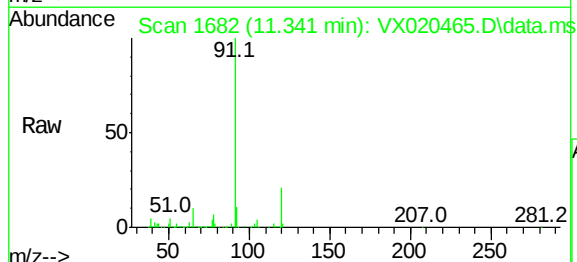
Instrument :
MSVOA_X
ClientSampleId :
31362

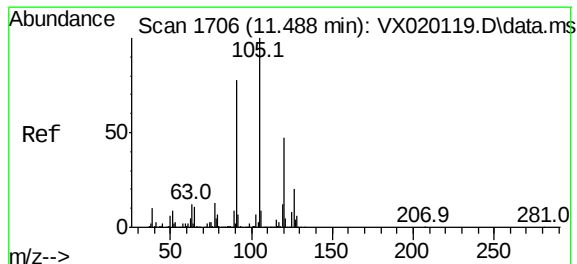
Tgt Ion:105 Resp: 42640
Ion Ratio Lower Upper
105 100
120 25.4 13.2 39.6



#1677 (-)
n-propylbenzene
Concen: 2.53 ug/l
RT: 11.341 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

Tgt Ion: 91 Resp: 40204
Ion Ratio Lower Upper
91 100
120 22.0 11.5 34.5

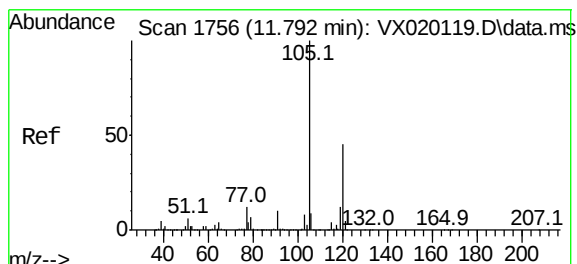
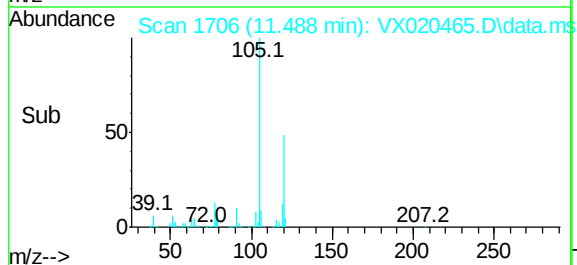
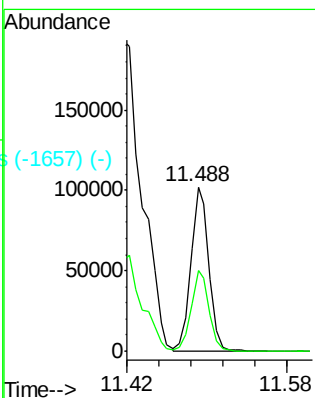
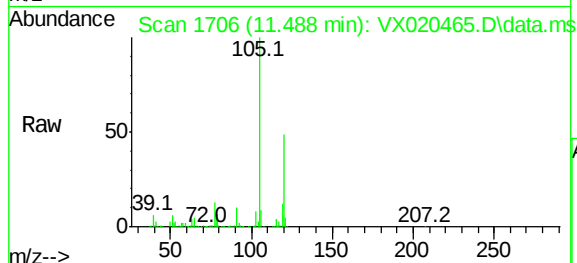




#8700 (-)
 1,3,5-Trimethylbenzene
 Concen: 10.67 ug/l
 RT: 11.488 min Scan# 1706
 Delta R.T. -0.000 min
 Lab File: VX020465.D
 Acq: 30 Dec 2020 18:51

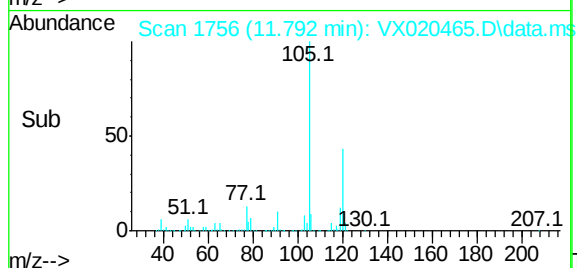
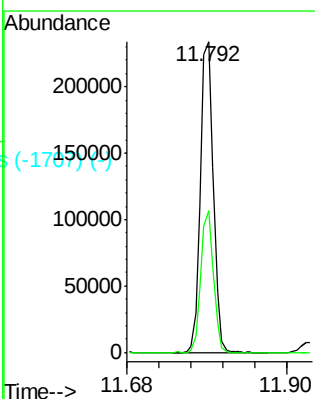
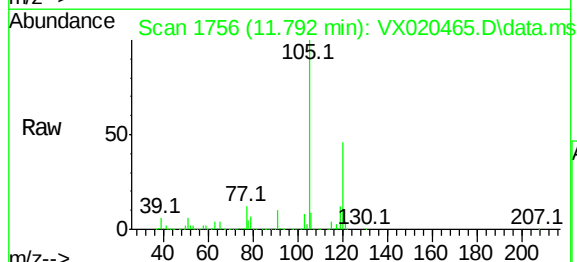
Instrument :
 MSVOA_X
 ClientSampleID :
 31362

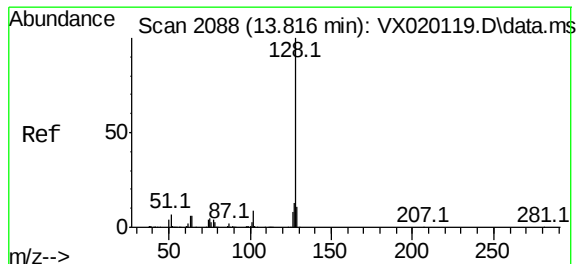
Tgt Ion:105 Resp: 124757
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.8 71.5



#8745 (-)
 1,2,4-Trimethylbenzene
 Concen: 24.60 ug/l
 RT: 11.792 min Scan# 1756
 Delta R.T. 0.000 min
 Lab File: VX020465.D
 Acq: 30 Dec 2020 18:51

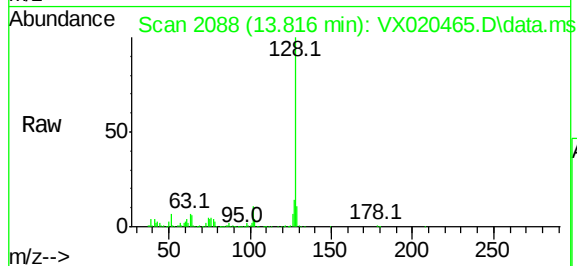
Tgt Ion:105 Resp: 292090
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.4 67.3





#95 (-)
Naphthalene
Concen: 5.27 ug/l
RT: 13.816 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VX020465.D
Acq: 30 Dec 2020 18:51

Instrument :
MSVOA_X
ClientSampleId :
31362



Tgt Ion:128 Resp: 69583

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.5	8.8	13.2

