

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX122120\
 Data File : VX020287.D
 Acq On : 22 Dec 2020 06:27
 Operator : JC/MD
 Sample : L5159-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CGP-2

Manual Integrations
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 12/22/2020 11:18:48 AM

Quant Time: Dec 22 06:58:33 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	5.641	168	311674	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.836	114	519060	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.097	117	496460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.073	152	255475	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.092	65	200952	48.10	ug/l	0.07
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.20%
35) Dibromofluoromethane	5.476	113	136619	41.14	ug/l	0.02
Spiked Amount	50.000	Range	69 - 133	Recovery	=	82.28%
50) Toluene-d8	8.701	98	651807	51.00	ug/l	0.01
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.00%
62) 4-Bromofluorobenzene	11.122	95	248422	50.78	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.56%

Target Compounds						Qvalue
11) Tert butyl alcohol	3.019	59	4471357	4779.48	ug/l #	88
16) Acetone	2.422	43	7644430	4012.59	ug/l	97
17) Carbon Disulfide	2.550	76	14549	1.55	ug/l	99
18) Methyl Acetate	2.751	43	873561	205.59	ug/l	98
19) Methyl tert-butyl Ether	3.172	73	1374276	115.31	ug/l #	84
20) Methylene Chloride	2.830	84	16250m	3.78	ug/l	
25) 2-Butanone	4.647	43	3262030	1176.46	ug/l	100
31) Cyclohexane	5.549	56	817354	141.88	ug/l	98
37) Ethyl Acetate	4.800	43	123207	23.11	ug/l	94
39) Methylcyclohexane	7.445	83	782570	132.16	ug/l	96
40) Benzene	6.116	78	57392808m	3593.89	ug/l	
49) 1,4-Dioxane	7.732	88	148329	1536.40	ug/l #	69
51) 4-Methyl-2-Pentanone	8.646	43	848826	162.91	ug/l	97
52) Toluene	8.781	92	32448909m	3329.57	ug/l	
59) 2-Hexanone	9.482	43	323894	81.57	ug/l	97
67) Ethyl Benzene	10.238	91	4430299	237.94	ug/l	97
68) m/p-Xylenes	10.347	106	7779670	1119.22	ug/l	84
69) o-Xylene	10.683	106	3076819	459.92	ug/l	95
73) Isopropylbenzene	11.006	105	545538	29.59	ug/l	100
78) n-propylbenzene	11.347	91	411931	19.39	ug/l	97
80) 1,3,5-Trimethylbenzene	11.493	105	1944493	124.42	ug/l	99
84) 1,2,4-Trimethylbenzene	11.792	105	3687864	232.47	ug/l	99
85) sec-Butylbenzene	11.938	105	143777	8.31	ug/l	82
86) p-Isopropyltoluene	12.060	119	200975m	12.59	ug/l	
95) Naphthalene	13.816	128	416778	23.60	ug/l	98

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

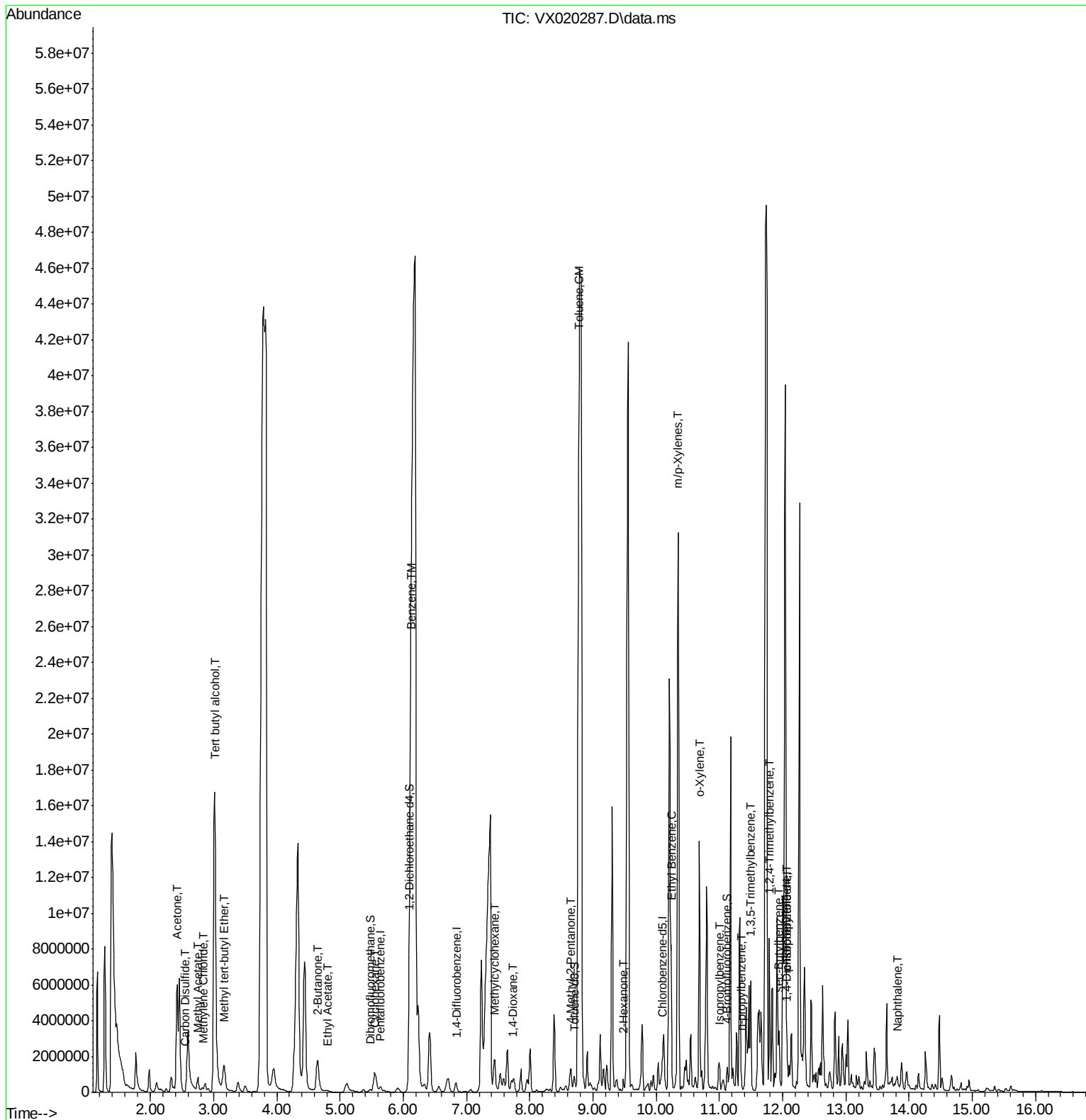
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Data File : VX020287.D
Acq On : 22 Dec 2020 06:27
Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 54 Sample Multiplier: 1

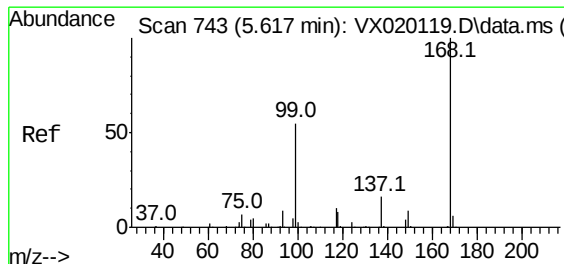
Instrument :
MSVOA_X
ClientSampleId :
CGP-2

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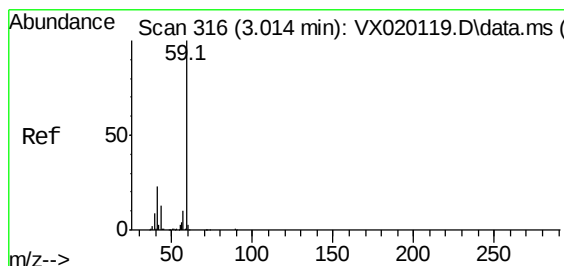
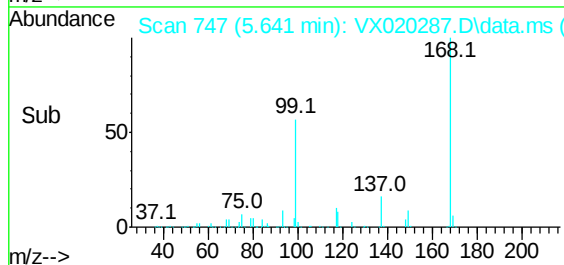
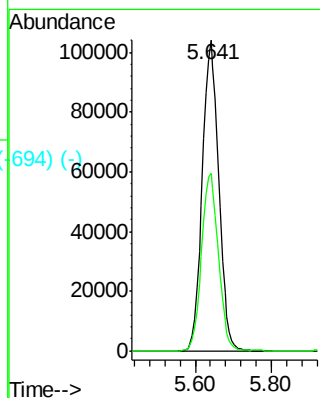
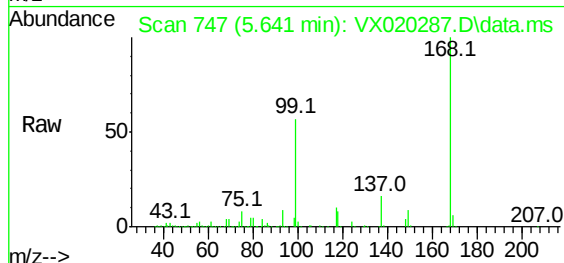
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Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration





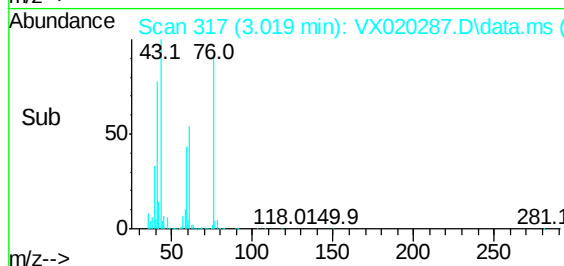
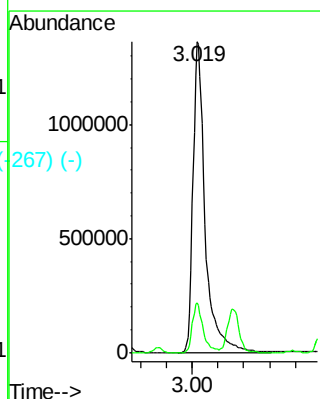
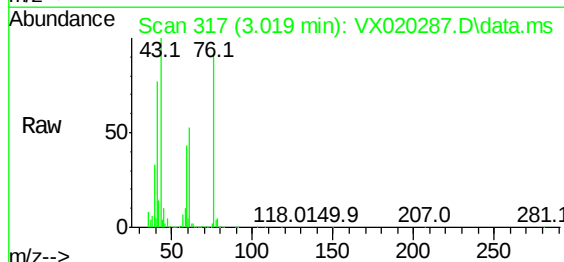
Scan 743 (5.617 min): VX020119.D\data.ms (-750) (-)
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.641 min Scan# 747
 Delta R.T. 0.024 min
 Lab File: VX020287.D
 Acq: 22 Dec 2020 06:27

Tgt Ion: 168 Resp: 311674
 Ion Ratio Lower Upper
 168 100
 99 57.0 45.8 68.6



Scan 316 (3.014 min): VX020119.D\data.ms (-361) (-)
 Tert butyl alcohol
 Concen: 4779.48 ug/l
 RT: 3.019 min Scan# 317
 Delta R.T. 0.005 min
 Lab File: VX020287.D
 Acq: 22 Dec 2020 06:27

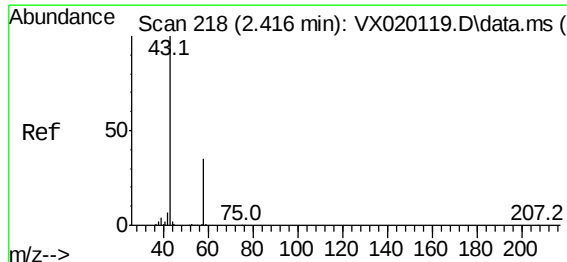
Tgt Ion: 59 Resp: 4471357
 Ion Ratio Lower Upper
 59 100
 57 14.2 7.8 11.8#



Instrument :
 MSVOA_X
 ClientSampled :
 CGP-2

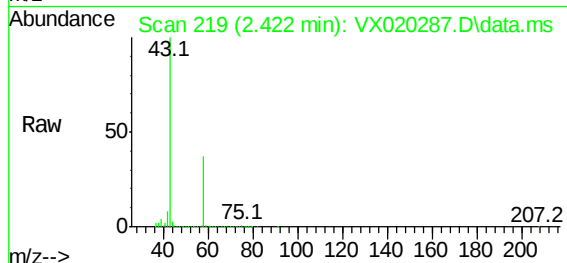
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#16 (-)
Acetone
Concen: 4012.59 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

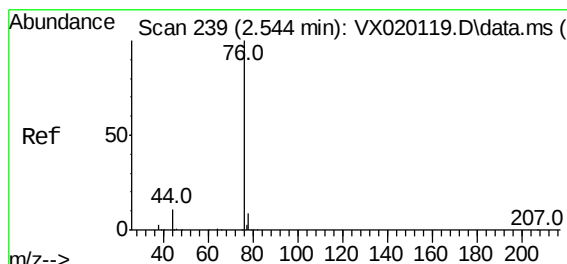
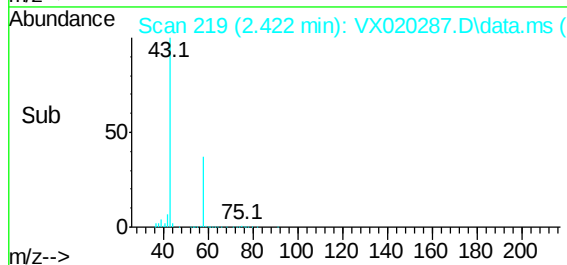
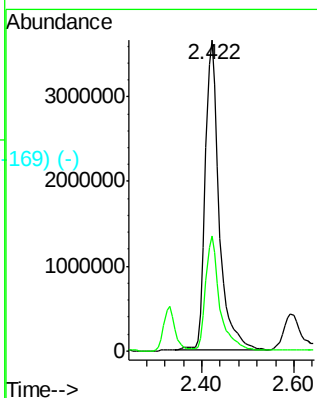
Instrument :
MSVOA_X
ClientSampleId :
CGP-2



Tgt Ion: 43 Resp: 7644430
Ion Ratio Lower Upper
43 100
58 36.8 27.8 41.8

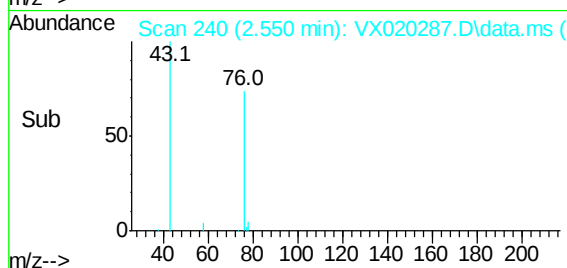
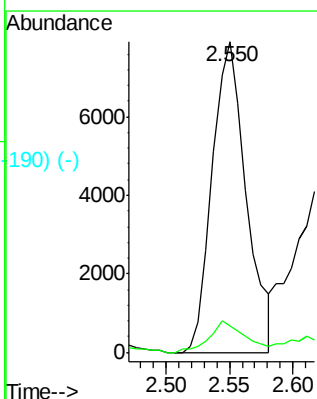
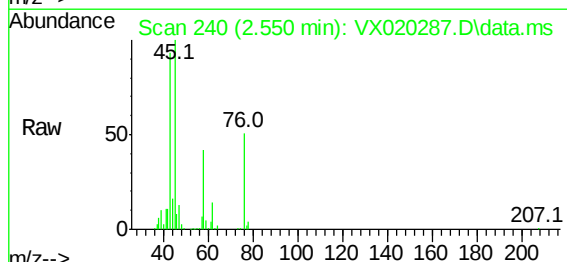
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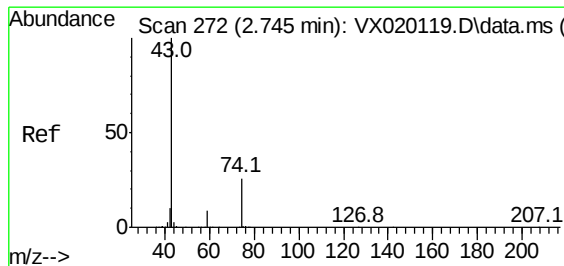
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#17 (-)
Carbon Disulfide
Concen: 1.55 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

Tgt Ion: 76 Resp: 14549
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8





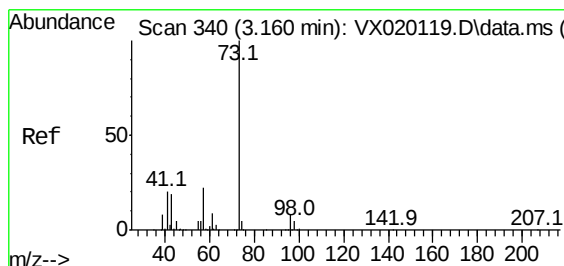
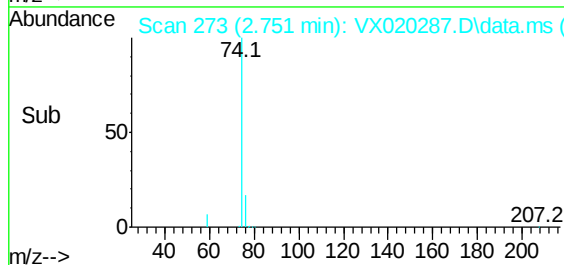
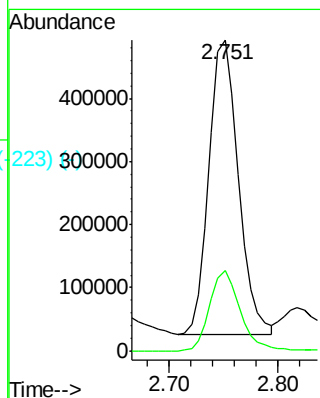
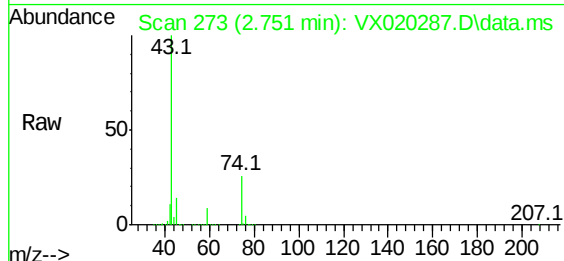
Methyl Acetate
Concen: 205.59 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

Tgt Ion: 43 Resp: 873561
Ion Ratio Lower Upper
43 100
74 28.6 21.9 32.9

Instrument :
MSVOA_X
ClientSampled :
CGP-2

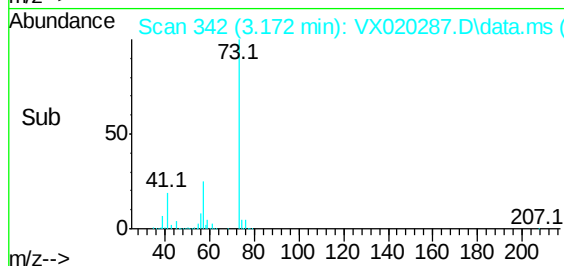
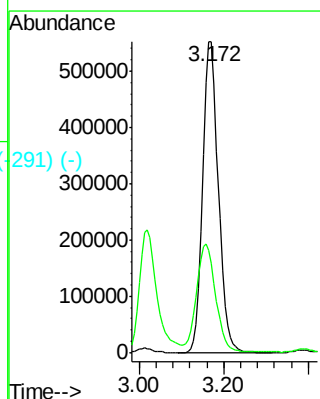
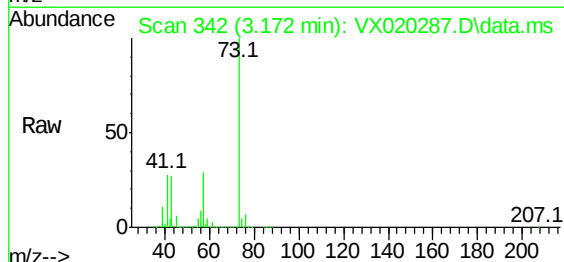
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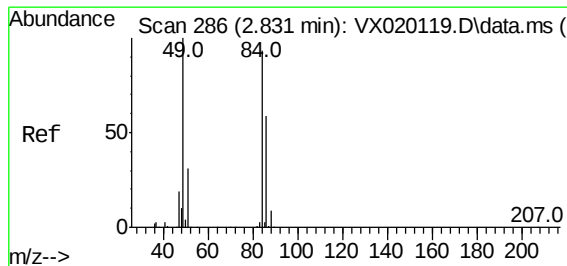
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Methyl tert-butyl Ether
Concen: 115.31 ug/l
RT: 3.172 min Scan# 342
Delta R.T. 0.012 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

Tgt Ion: 73 Resp: 1374276
Ion Ratio Lower Upper
73 100
57 28.7 17.1 25.7#





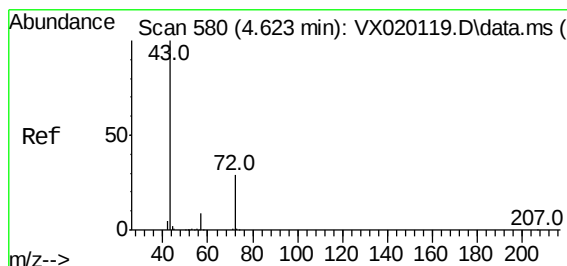
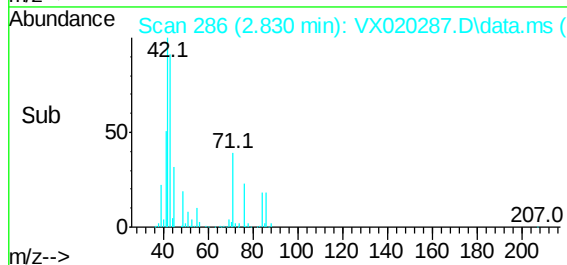
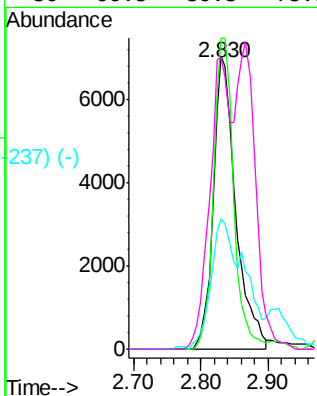
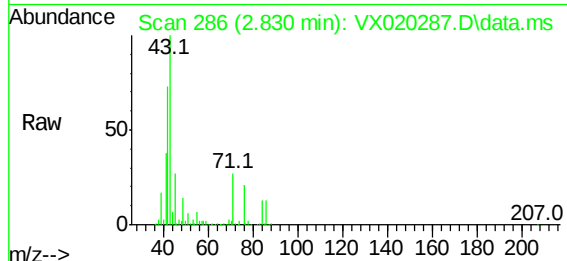
Methylene Chloride
Concen: 3.78 ug/l m
RT: 2.830 min Scan# 286
Delta R.T. -0.001 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

Tgt Ion: 84 Resp: 16250
Ion Ratio Lower Upper
84 100
49 105.8 88.6 132.8
51 44.3 27.0 40.6#
86 99.5 50.3 75.5#

Instrument :
MSVOA_X
ClientSampleId :
CGP-2

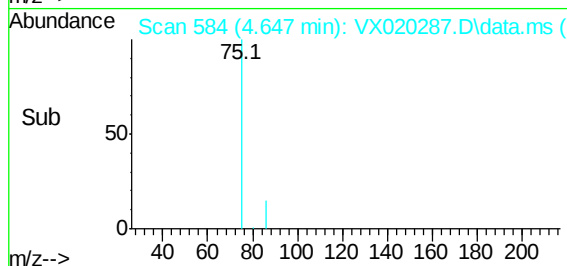
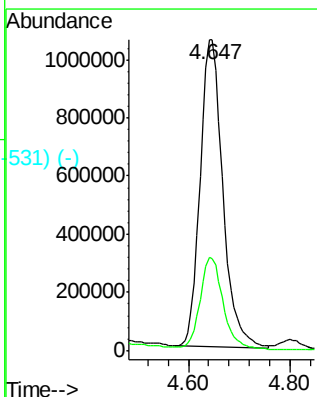
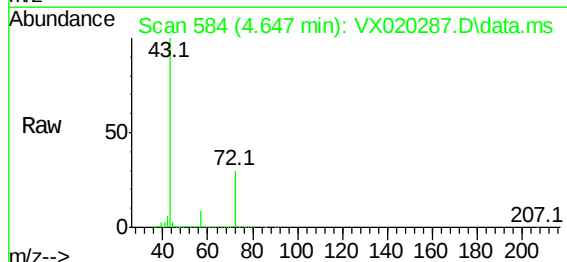
Manual Integrations
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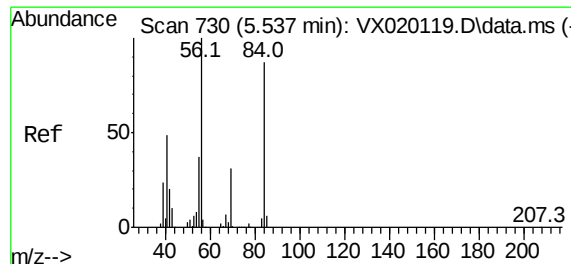
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2-Butanone
Concen: 1176.46 ug/l
RT: 4.647 min Scan# 584
Delta R.T. 0.024 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

Tgt Ion: 43 Resp: 3262030
Ion Ratio Lower Upper
43 100
72 29.5 23.7 35.5





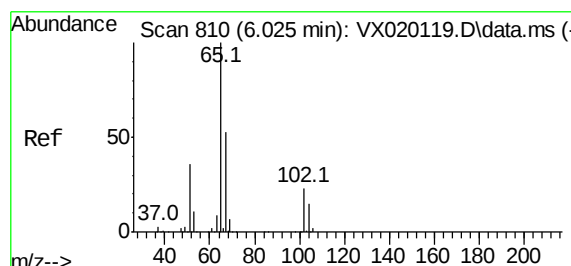
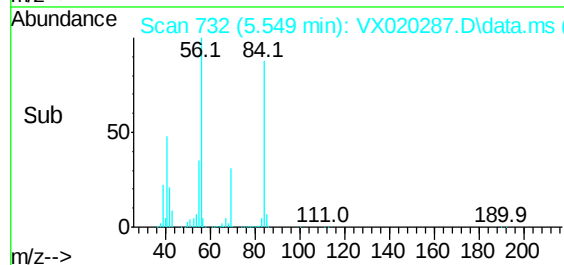
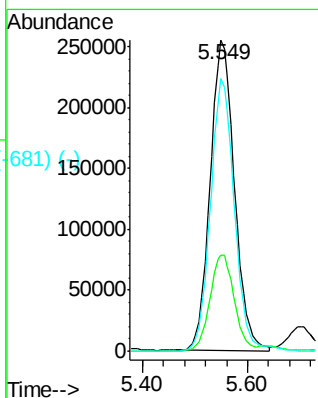
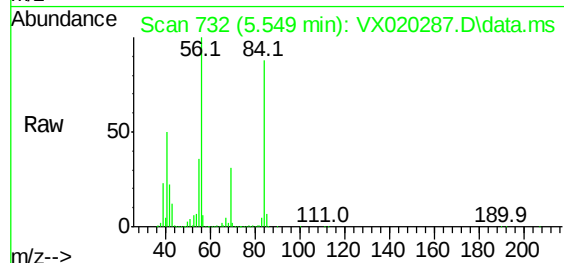
Cyclohexane
Concen: 141.88 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.012 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

Tgt Ion: 56 Resp: 817354
Ion Ratio Lower Upper
56 100
69 31.0 25.3 37.9
84 87.7 71.4 107.0

Instrument :
MSVOA_X
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CGP-2

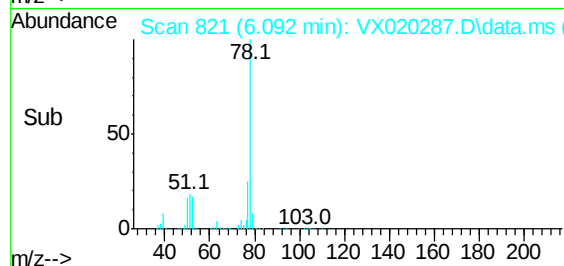
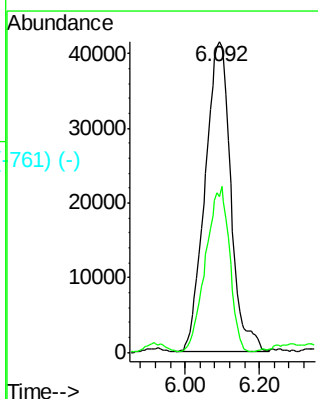
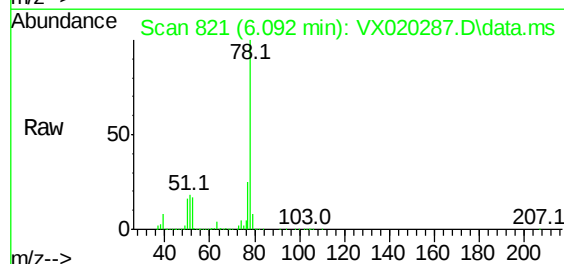
Manual Integrations
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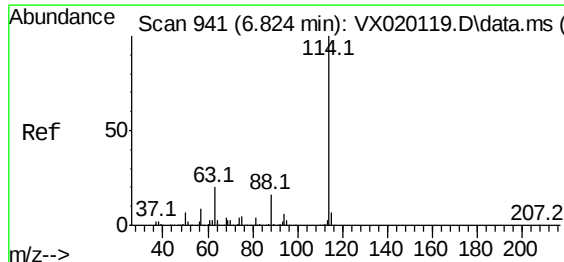
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1,2-Dichloroethane-d4
Concen: 48.10 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.067 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

Tgt Ion: 65 Resp: 200952
Ion Ratio Lower Upper
65 100
67 49.3 0.0 105.4





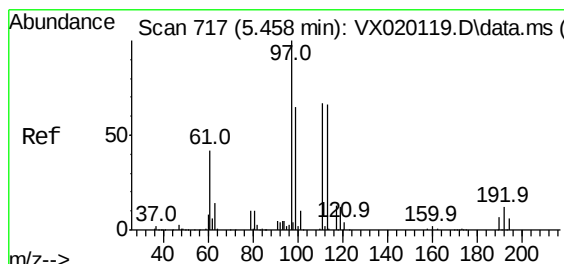
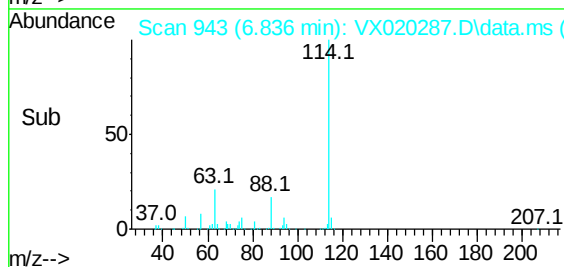
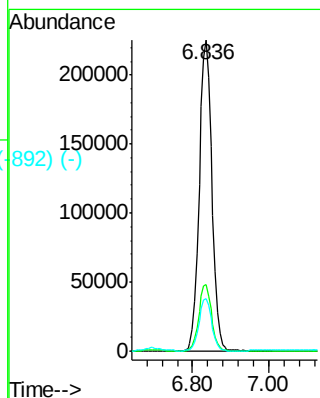
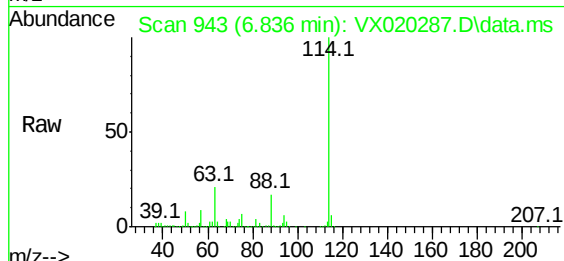
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.836 min Scan# 943
Delta R.T. 0.012 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

Tgt Ion:114 Resp: 519060
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 16.7 0.0 32.8

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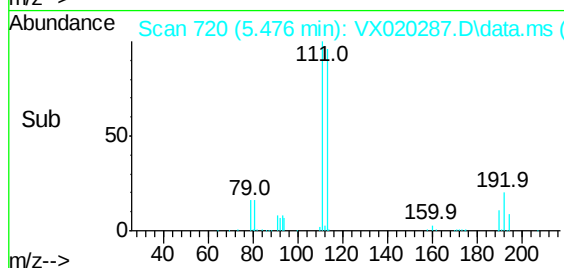
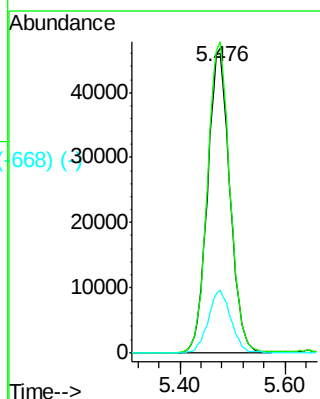
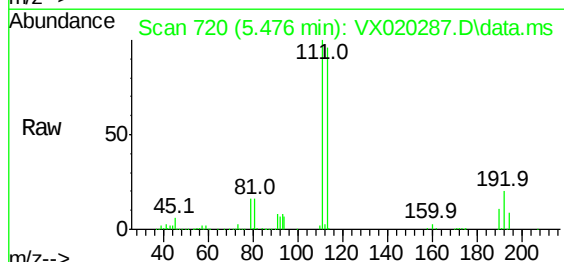
Manual Integrations
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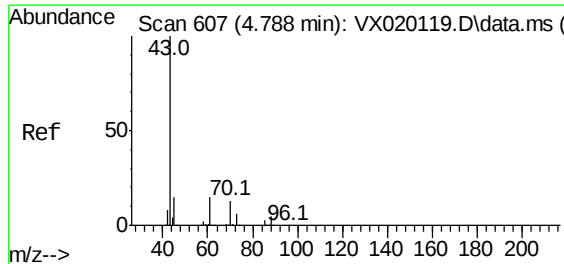
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Dibromofluoromethane
Concen: 41.14 ug/l
RT: 5.476 min Scan# 720
Delta R.T. 0.018 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

Tgt Ion:113 Resp: 136619
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 20.7 16.7 25.1





Ethyl Acetate
Concen: 23.11 ug/l
RT: 4.800 min Scan# 609
Delta R.T. 0.012 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

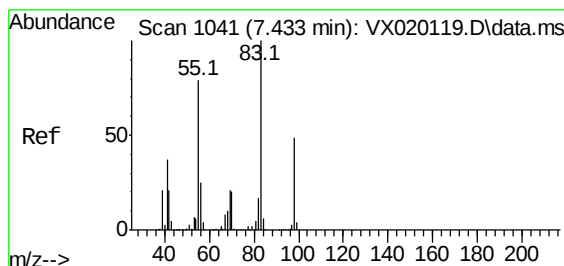
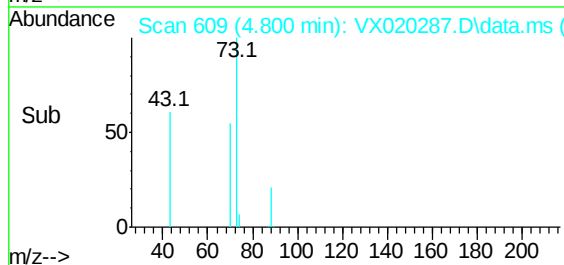
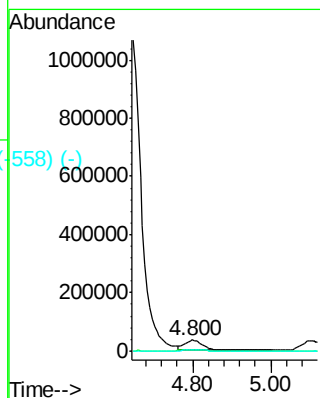
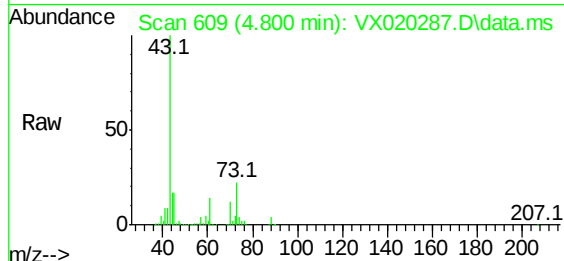
Tgt Ion: 43 Resp: 123207

Ion	Ratio	Lower	Upper
43	100		
61	12.9	12.8	19.2
70	11.3	10.5	15.7

Instrument :
MSVOA_X
ClientSampleId :
CGP-2

Manual Integrations
APPROVED

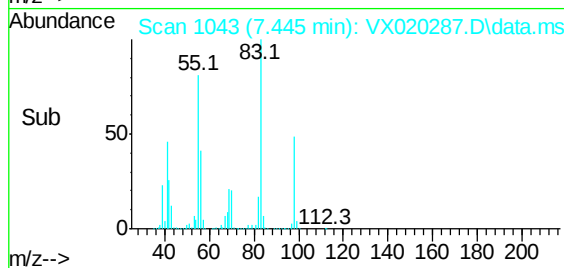
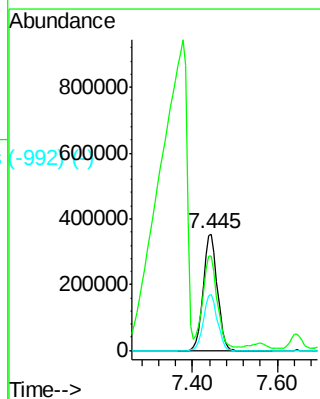
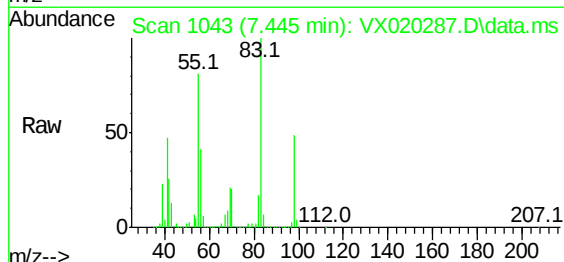
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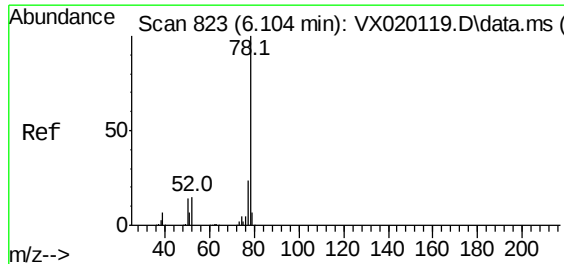


Methylcyclohexane
Concen: 132.16 ug/l
RT: 7.445 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

Tgt Ion: 83 Resp: 782570

Ion	Ratio	Lower	Upper
83	100		
55	78.5	58.9	88.3
98	48.6	38.1	57.1





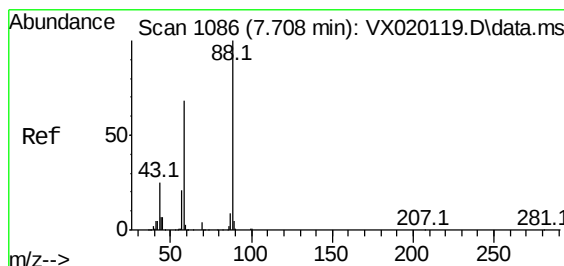
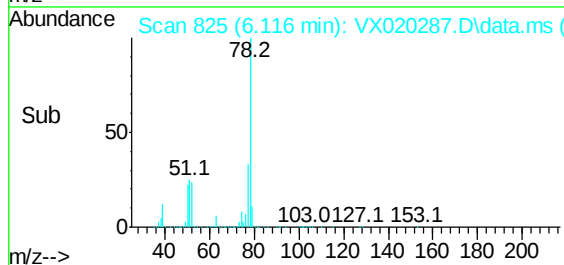
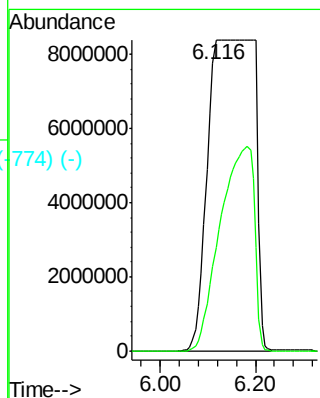
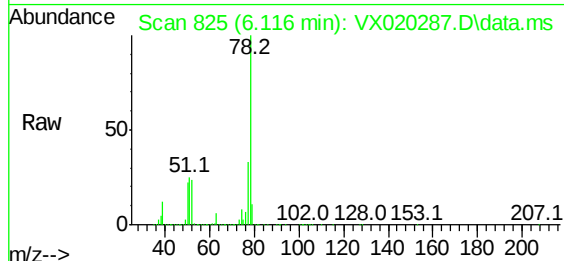
Benzene
Concen: 3593.89 ug/l m
RT: 6.116 min Scan# 825
Delta R.T. 0.012 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

Instrument :
MSVOA_X
ClientSampled :
CGP-2

Tgt Ion: 78 Resp: 57392808
Ion Ratio Lower Upper
78 100
77 33.3 18.9 28.3#

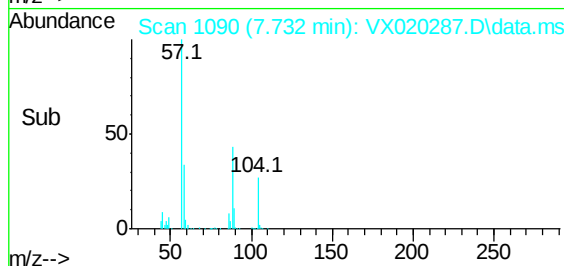
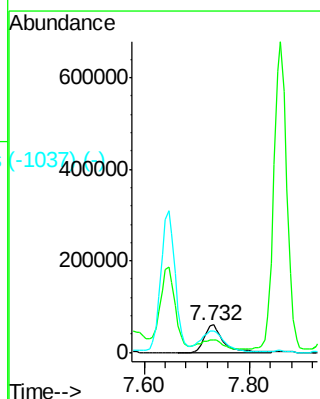
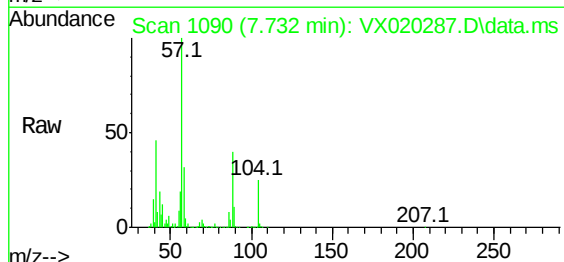
Manual Integrations
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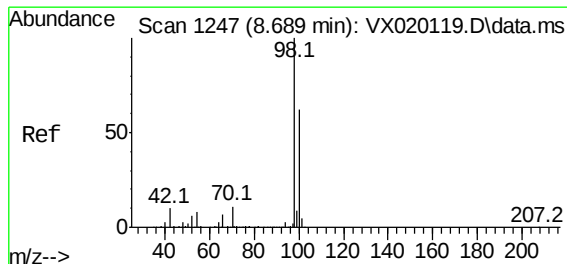
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1,4-Dioxane
Concen: 1536.40 ug/l
RT: 7.732 min Scan# 1090
Delta R.T. 0.024 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

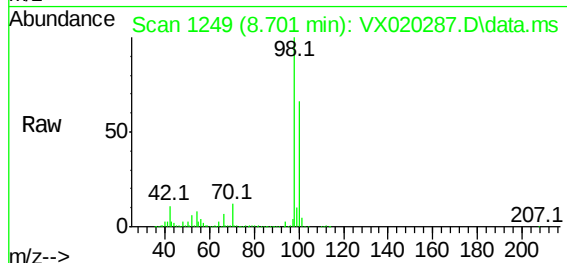
Tgt Ion: 88 Resp: 148329
Ion Ratio Lower Upper
88 100
43 42.5 23.2 34.8#
58 95.4 55.0 82.4#





#509 (-)
Toluene-d8
Concen: 51.00 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. 0.012 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

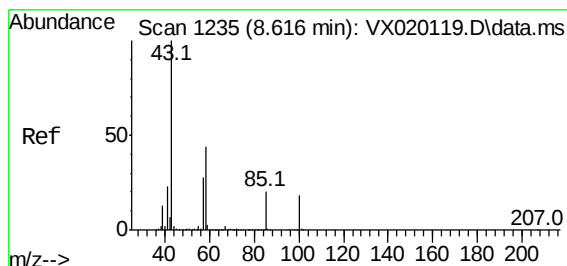
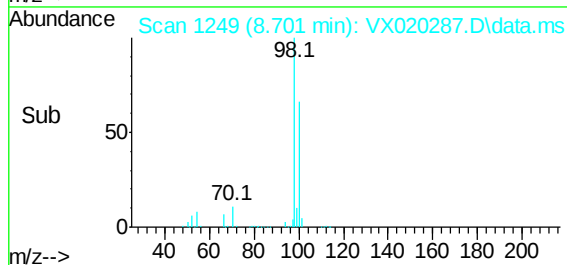
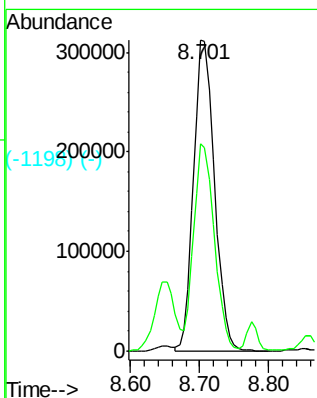
Instrument :
MSVOA_X
ClientSampleId :
CGP-2



Tgt Ion: 98 Resp: 651807
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9

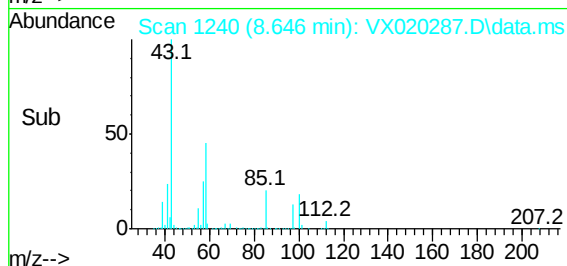
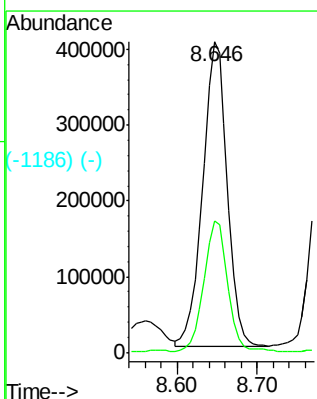
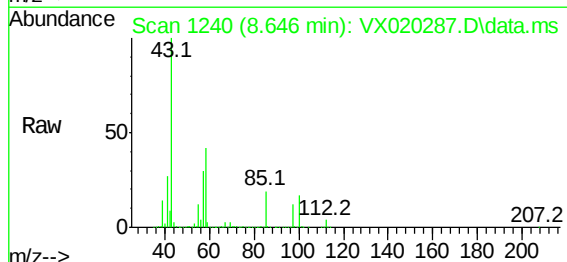
Manual Integrations
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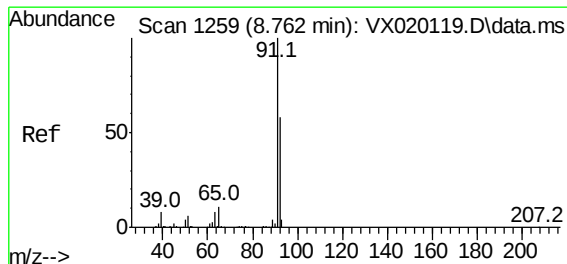
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#516 (-)
4-Methyl-2-Pentanone
Concen: 162.91 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.030 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

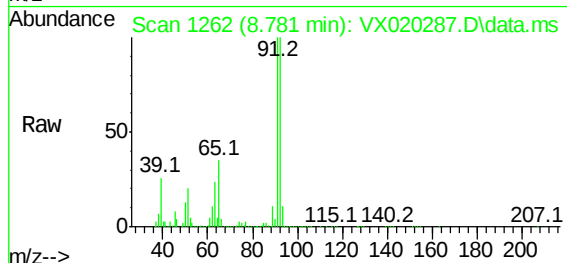
Tgt Ion: 43 Resp: 848826
Ion Ratio Lower Upper
43 100
58 42.5 35.4 53.0





#591 (-)
Toluene
Concen: 3329.57 ug/l m
RT: 8.781 min Scan# 1262
Delta R.T. 0.019 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

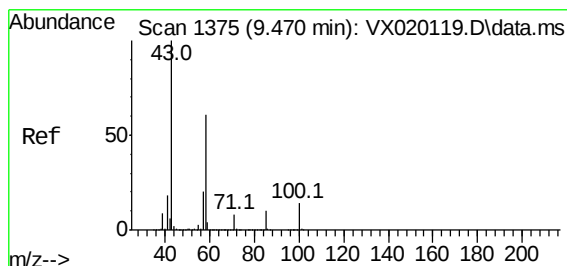
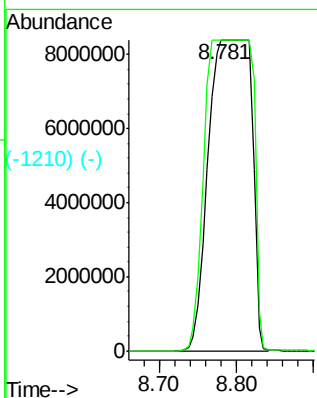
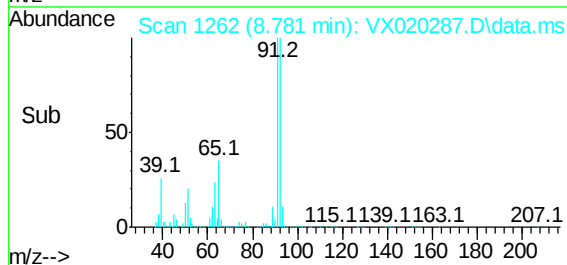
Instrument :
MSVOA_X
ClientSampleId :
CGP-2



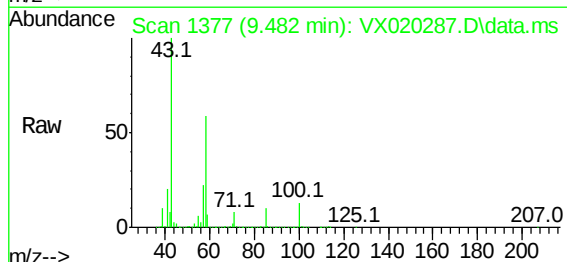
Tgt Ion: 92 Resp:32448909
Ion Ratio Lower Upper
92 100
91 0.0 137.1 205.7#

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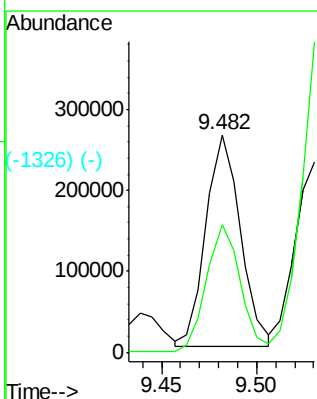
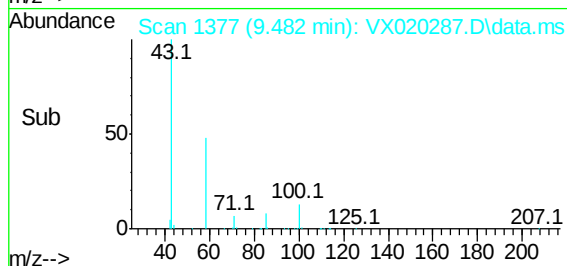
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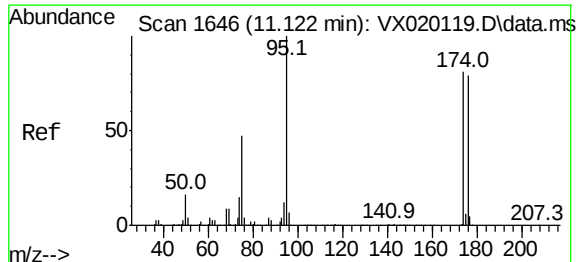


#596 (-)
2-Hexanone
Concen: 81.57 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27



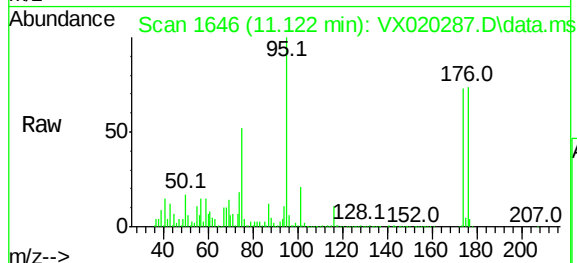
Tgt Ion: 43 Resp: 323894
Ion Ratio Lower Upper
43 100
58 59.5 30.9 92.8





#639 (-)
4-Bromofluorobenzene
Concen: 50.78 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

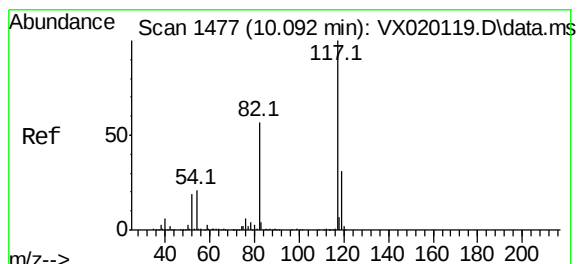
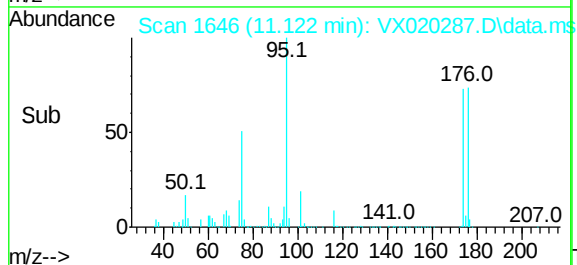
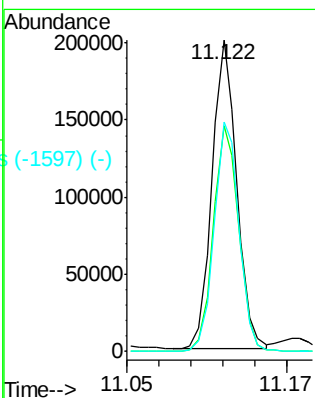
Instrument :
MSVOA_X
ClientSampled :
CGP-2



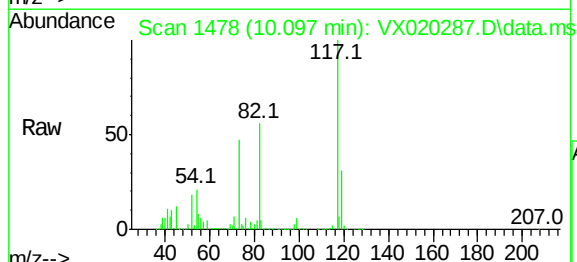
Tgt Ion: 95 Resp: 248422
Ion Ratio Lower Upper
95 100
174 74.1 0.0 154.6
176 73.9 0.0 155.8

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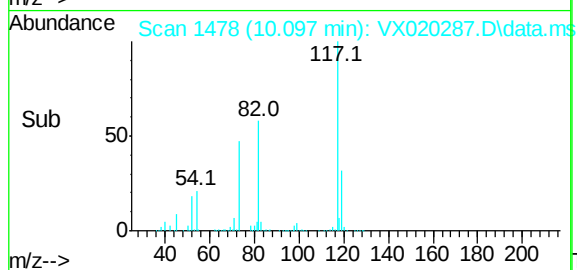
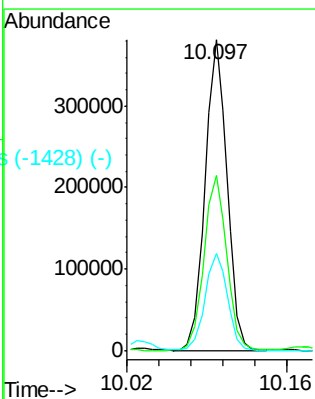
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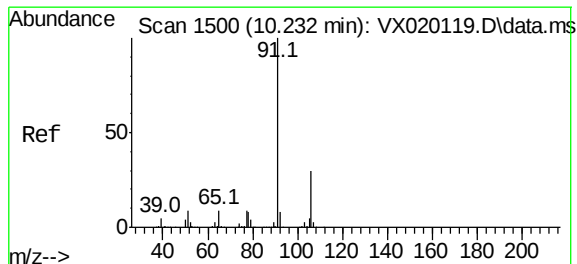


#640 (-)
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.097 min Scan# 1478
Delta R.T. 0.005 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27



Tgt Ion: 117 Resp: 496460
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 31.3 26.6 39.8



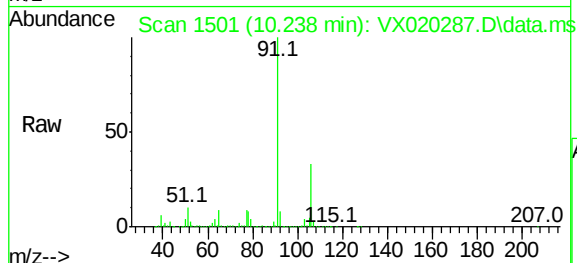


#6793 (-)
Ethyl Benzene
Concen: 237.94 ug/l
RT: 10.238 min Scan# 1501
Delta R.T. 0.006 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

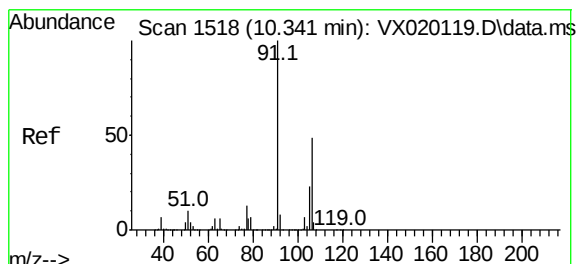
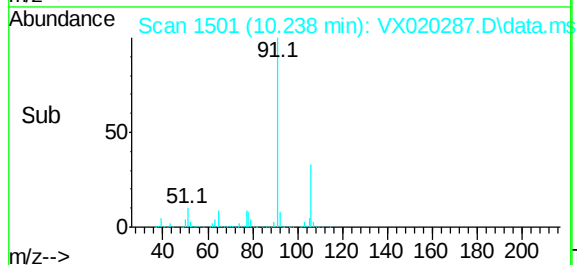
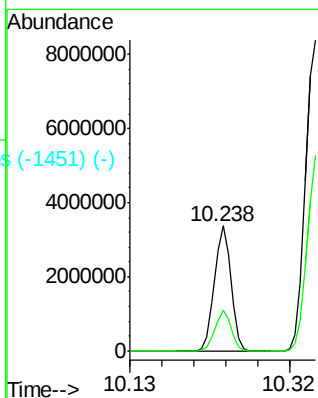
Instrument :
MSVOA_X
ClientSampled :
CGP-2

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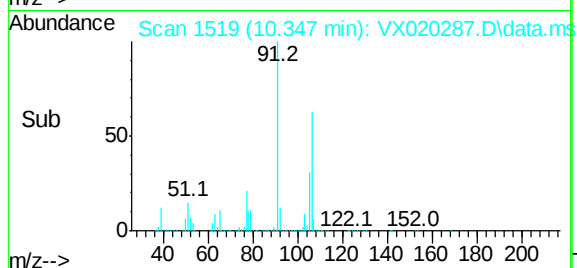
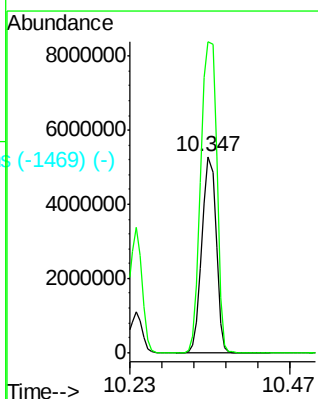
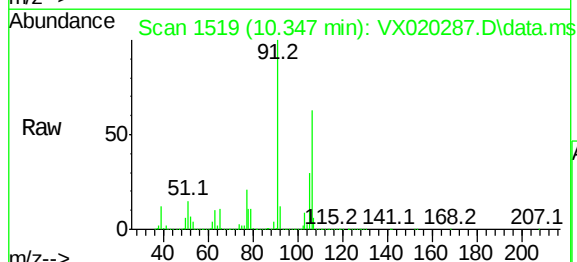


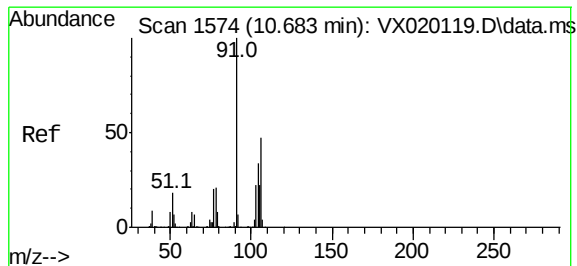
Tgt Ion: 91 Resp: 4430299
Ion Ratio Lower Upper
91 100
106 32.7 24.6 37.0



#6811 (-)
m/p-Xylenes
Concen: 1119.22 ug/l
RT: 10.347 min Scan# 1519
Delta R.T. 0.006 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

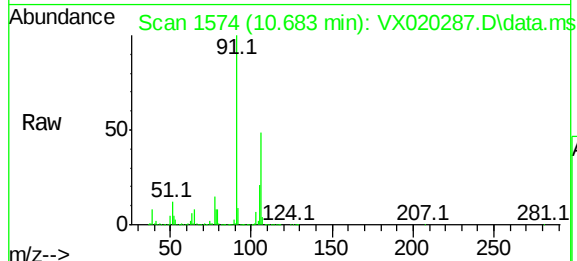
Tgt Ion: 106 Resp: 7779670
Ion Ratio Lower Upper
106 100
91 179.1 162.8 244.2





#697 (-)
o-Xylene
Concen: 459.92 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

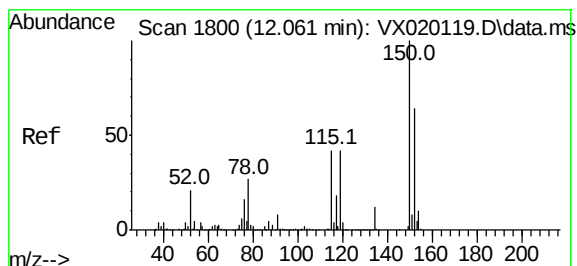
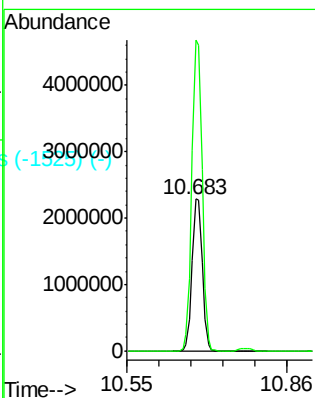
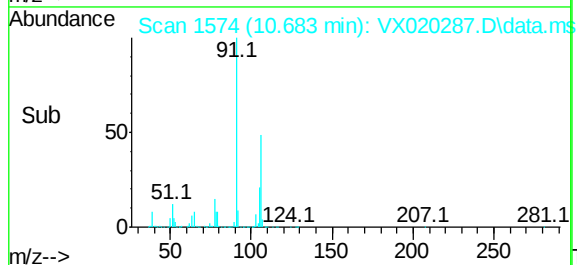
Instrument :
MSVOA_X
ClientSampled :
CGP-2



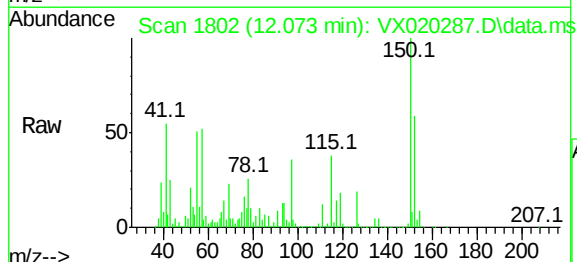
Tgt Ion:106 Resp: 3076819
Ion Ratio Lower Upper
106 100
91 208.6 108.1 324.2

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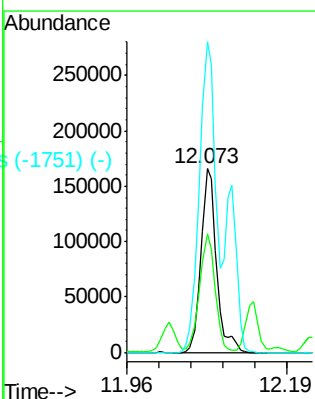
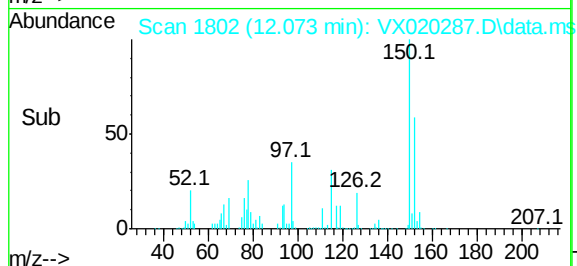
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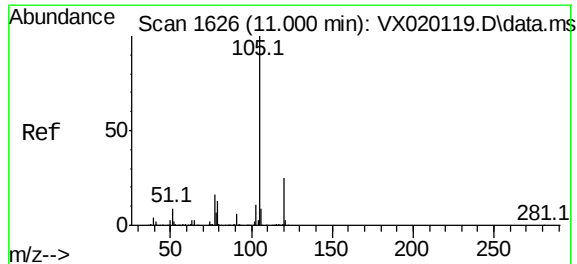


#724 (-)
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.073 min Scan# 1802
Delta R.T. 0.012 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27



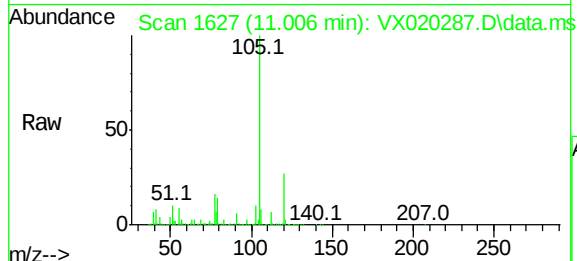
Tgt Ion:152 Resp: 255475
Ion Ratio Lower Upper
152 100
115 62.5 41.1 123.3
150 174.6 0.0 349.0





#1618 (-)
Isopropylbenzene
Concen: 29.59 ug/l
RT: 11.006 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

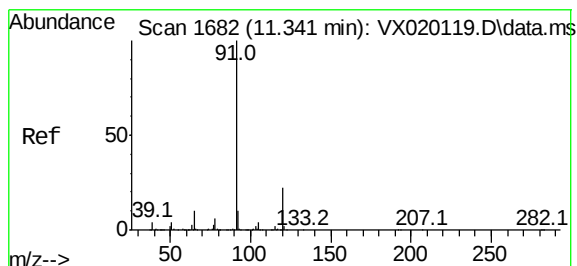
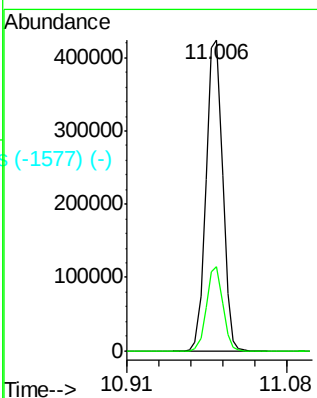
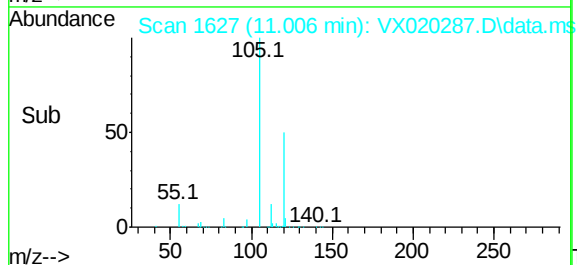
Instrument :
MSVOA_X
ClientSampled :
CGP-2



Tgt Ion:105 Resp: 545538
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6

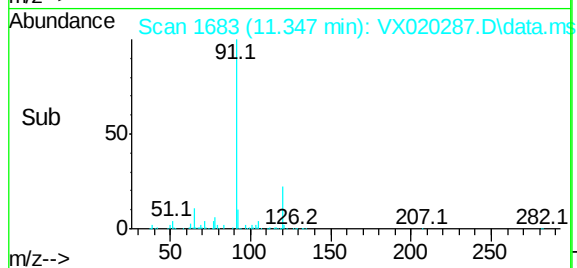
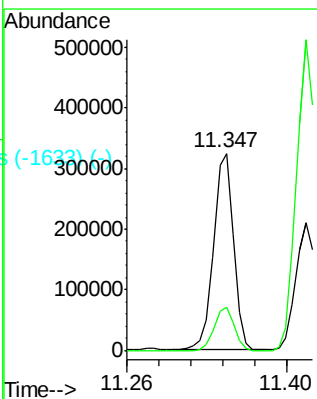
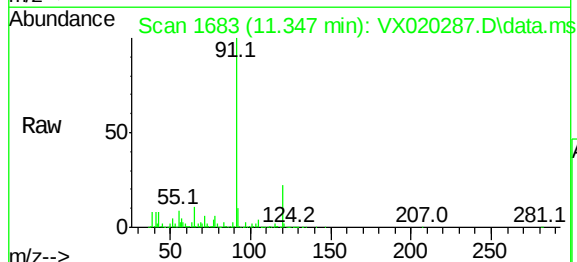
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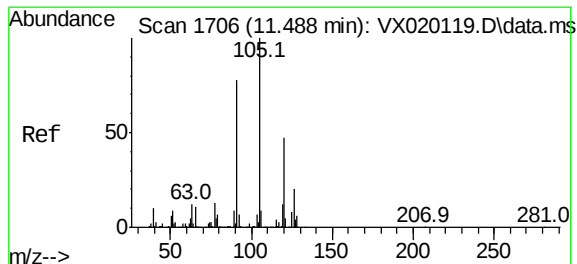
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#1677 (-)
n-propylbenzene
Concen: 19.39 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

Tgt Ion: 91 Resp: 411931
Ion Ratio Lower Upper
91 100
120 21.6 11.5 34.5



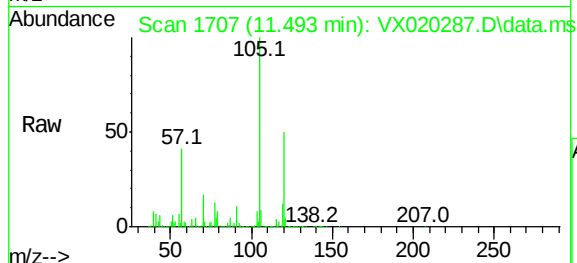


#8700 (-)
 1,3,5-Trimethylbenzene
 Concen: 124.42 ug/l
 RT: 11.493 min Scan# 1707
 Delta R.T. 0.005 min
 Lab File: VX020287.D
 Acq: 22 Dec 2020 06:27

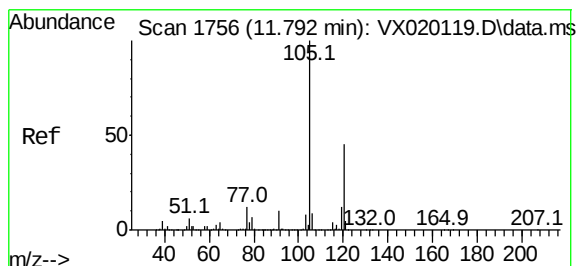
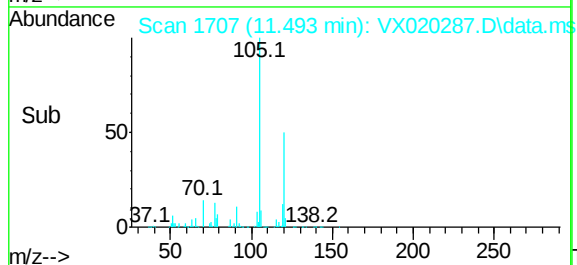
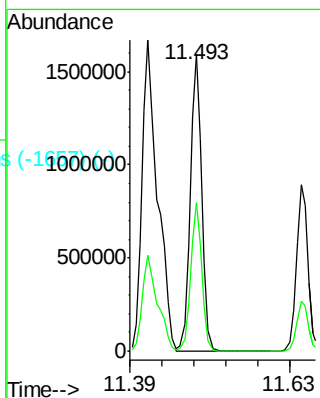
Instrument :
 MSVOA_X
 ClientSampled :
 CGP-2

Manual Integrations
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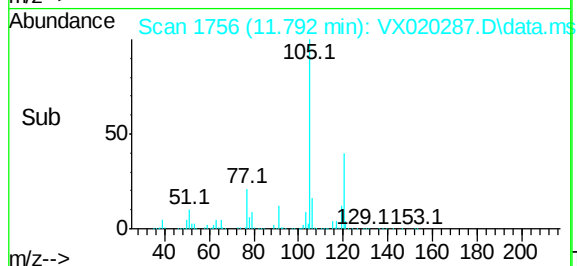
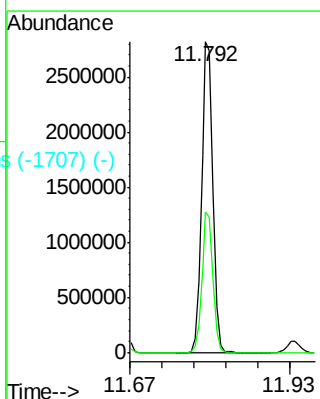
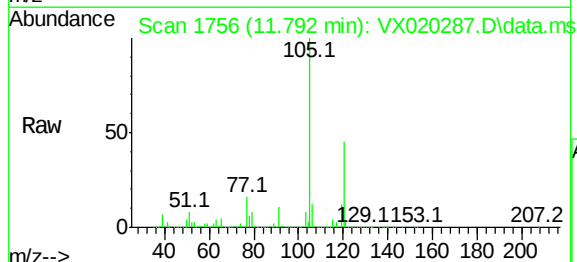


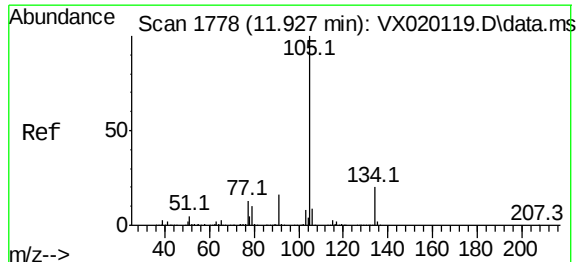
Tgt Ion:105 Resp: 1944493
 Ion Ratio Lower Upper
 105 100
 120 48.6 23.8 71.5



#8745 (-)
 1,2,4-Trimethylbenzene
 Concen: 232.47 ug/l
 RT: 11.792 min Scan# 1756
 Delta R.T. 0.000 min
 Lab File: VX020287.D
 Acq: 22 Dec 2020 06:27

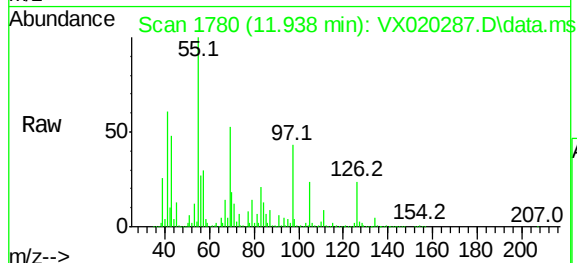
Tgt Ion:105 Resp: 3687864
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.4 67.3





#8572 (-)
 sec-Butylbenzene
 Concen: 8.31 ug/l
 RT: 11.938 min Scan# 1780
 Delta R.T. 0.011 min
 Lab File: VX020287.D
 Acq: 22 Dec 2020 06:27

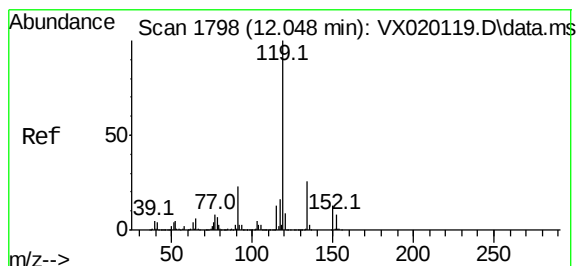
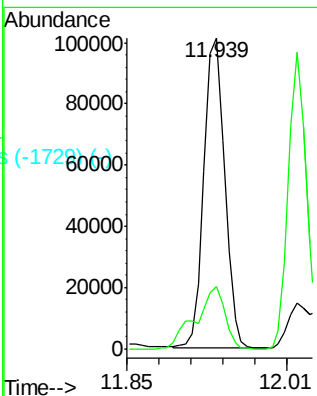
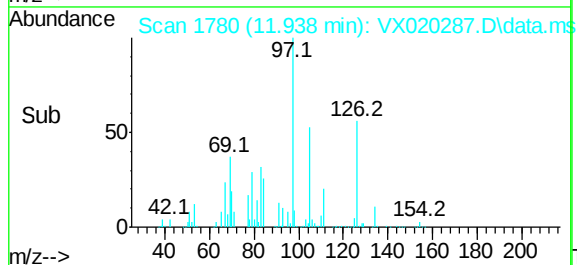
Instrument :
 MSVOA_X
 ClientSampled :
 CGP-2



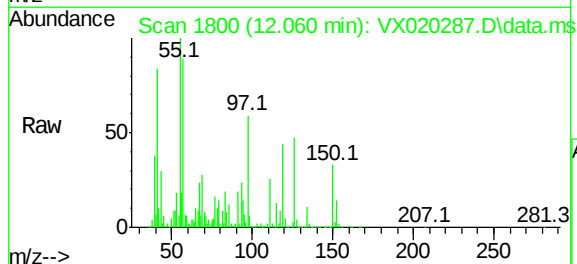
Tgt Ion:105 Resp: 143777
 Ion Ratio Lower Upper
 105 100
 134 28.1 10.0 29.8

Manual Integrations
 APPROVED

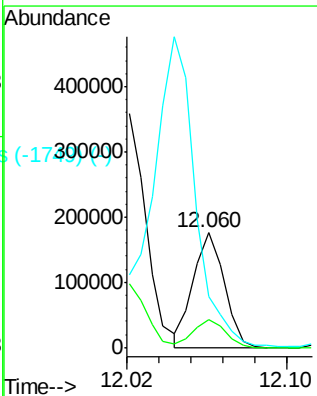
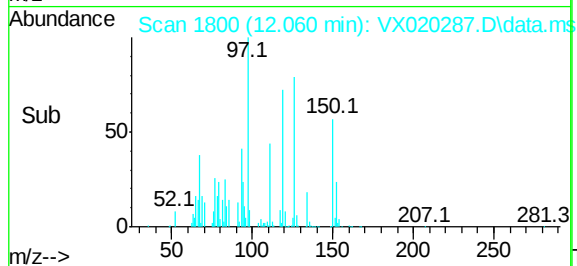
MMDadoda
 12/22/2020 11:18:48 AM

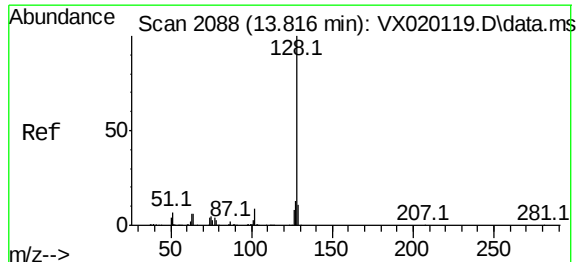


#8587 (-)
 p-Isopropyltoluene
 Concen: 12.59 ug/l m
 RT: 12.060 min Scan# 1800
 Delta R.T. 0.012 min
 Lab File: VX020287.D
 Acq: 22 Dec 2020 06:27



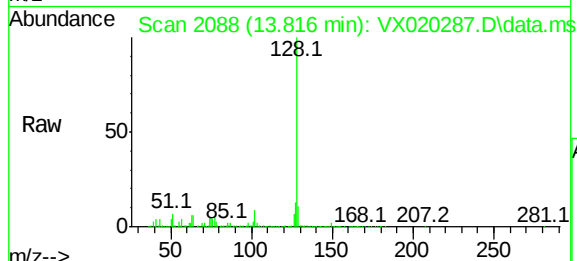
Tgt Ion:119 Resp: 200975
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.9 38.7
 91 22.2 11.7 35.0





#95 (-)
Naphthalene
Concen: 23.60 ug/l
RT: 13.816 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VX020287.D
Acq: 22 Dec 2020 06:27

Instrument :
MSVOA_X
ClientSampleId :
CGP-2



Tgt Ion:	128	Resp:	416778
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	12.4	8.8	13.2

Manual Integrations
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12/22/2020 11:18:48 AM

