

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019733.D
 Acq On : 04 Dec 2020 21:37
 Operator : JC/MD
 Sample : L4960-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BES-12SR

Manual Integrations
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 12/7/2020 10:53:10 AM

Quant Time: Dec 05 05:03:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	346657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	554432	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	509684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	238277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	202184	44.38	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	88.76%
35) Dibromofluoromethane	5.46	113	165349	46.15	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.30%
50) Toluene-d8	8.70	98	674996	49.34	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.68%
62) 4-Bromofluorobenzene	11.12	95	264376	50.78	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.56%

Target Compounds

						Qvalue
25) 2-Butanone	4.64	43	7484	2.844	ug/l	96
31) Cyclohexane	5.55	56	980345	172.979	ug/l	97
39) Methylcyclohexane	7.44	83	995062	169.050	ug/l	94
40) Benzene	6.11	78	26763	1.749	ug/l	93
52) Toluene	8.76	92	33332	3.482	ug/l	96
67) Ethyl Benzene	10.24	91	7338474	407.142	ug/l	91
68) m/p-Xylenes	10.34	106	1537611	226.391	ug/l	97
69) o-Xylene	10.68	106	63721	9.753	ug/l	98
73) Isopropylbenzene	11.00	105	1590497	97.702	ug/l	100
78) n-propylbenzene	11.34	91	5228702	281.218	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	2580309	187.809	ug/l	98
83) tert-Butylbenzene	11.76	119	15262m	1.133	ug/l	
84) 1,2,4-Trimethylbenzene	11.79	105	6849105	494.894	ug/l	95
85) sec-Butylbenzene	11.93	105	383886	24.953	ug/l	99
86) p-Isopropyltoluene	12.05	119	167607	11.888	ug/l	98
89) n-Butylbenzene	12.37	91	733581	58.726	ug/l #	37
95) Naphthalene	13.82	128	3861855	245.508	ug/l	99

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

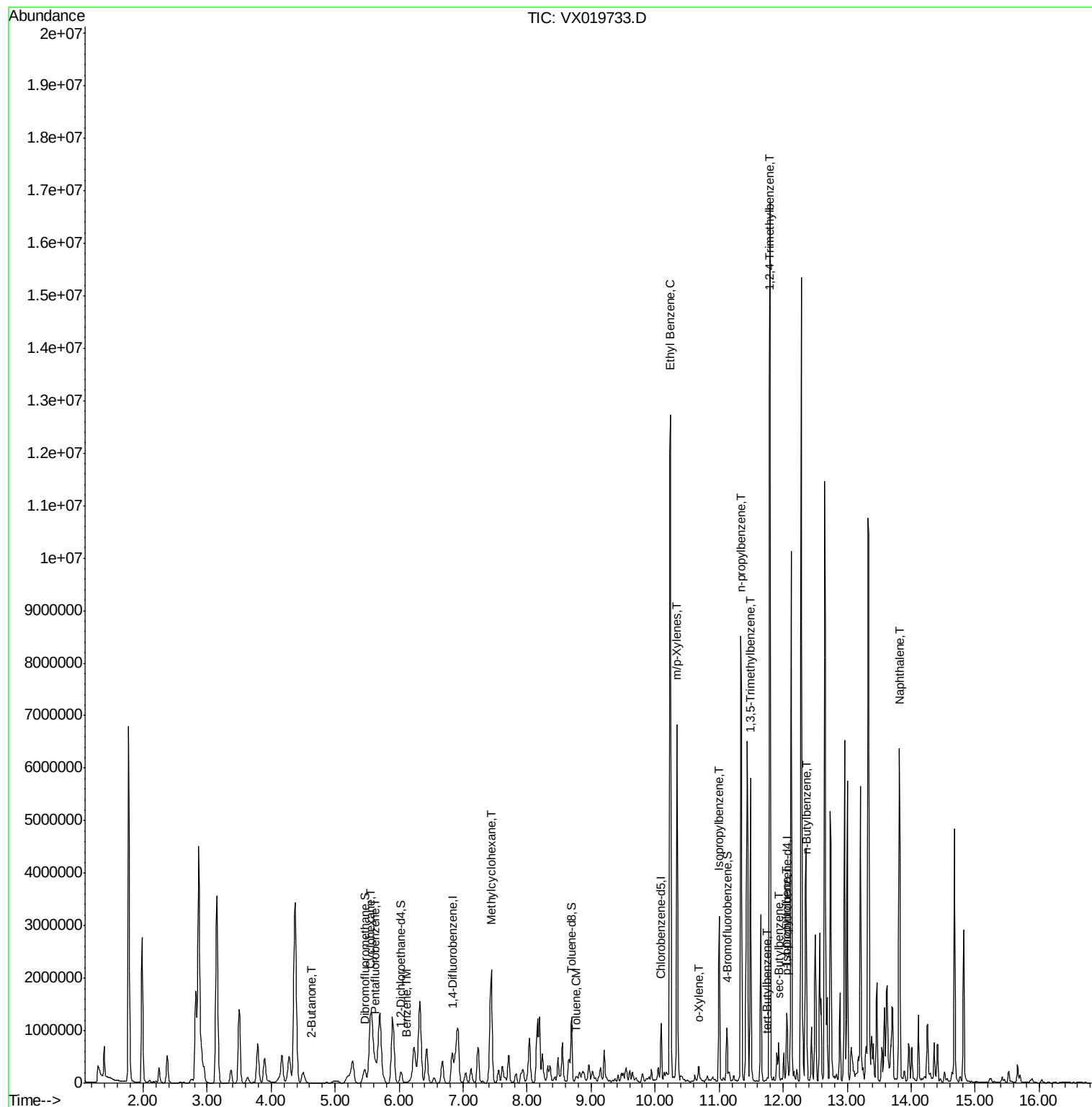
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120420\
Data File : VX019733.D
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Operator : JC/MD
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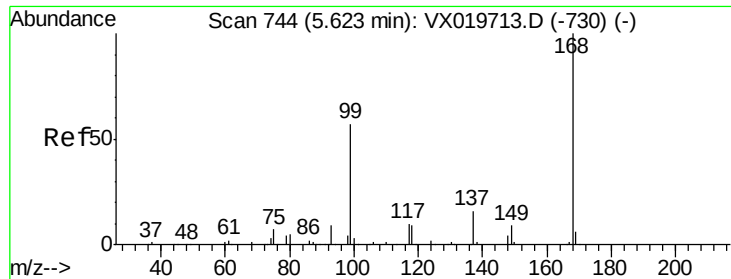
Instrument :
MSVOA_X
ClientSampleId :
BES-12SR

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Quant Time: Dec 05 05:03:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019733.D

Acq: 04 Dec 2020 21:37

Instrument :

MSVOA_X

ClientSampled :

BES-12SR

Tot Ion:168 Resp: 346657

Ion Ratio Lower Upper

168 100

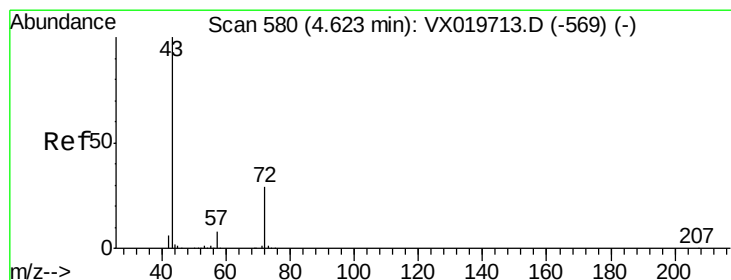
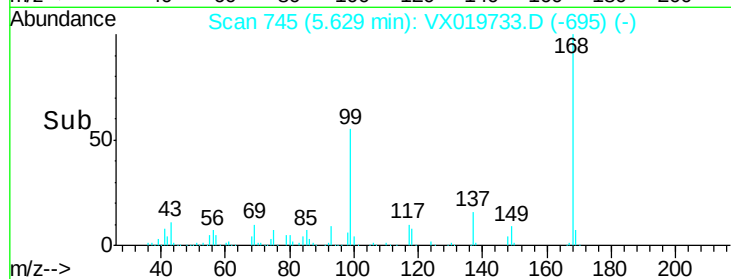
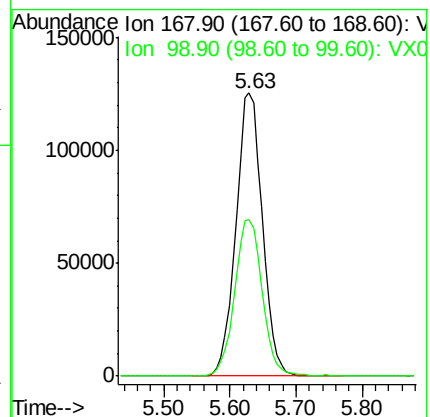
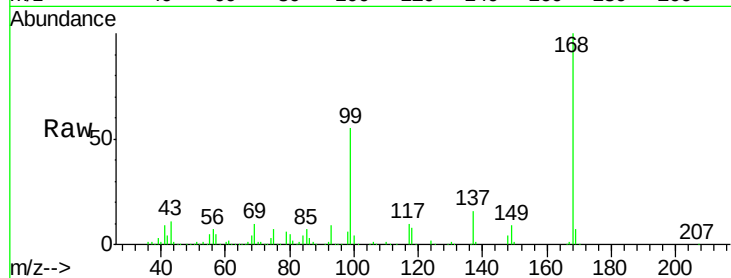
99 55.1 45.8 68.6

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#25

2-Butanone

Concen: 2.844 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX019733.D

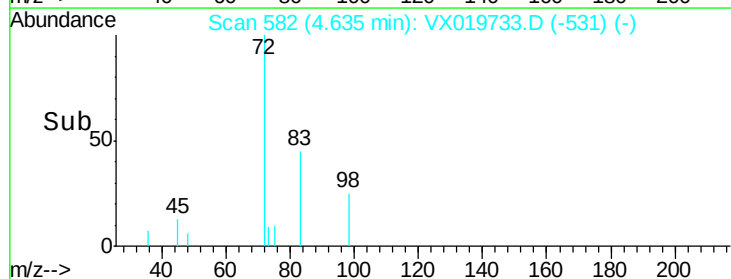
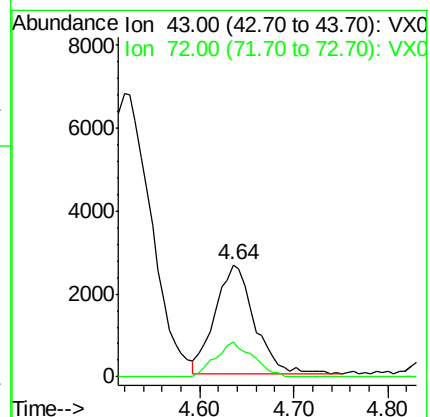
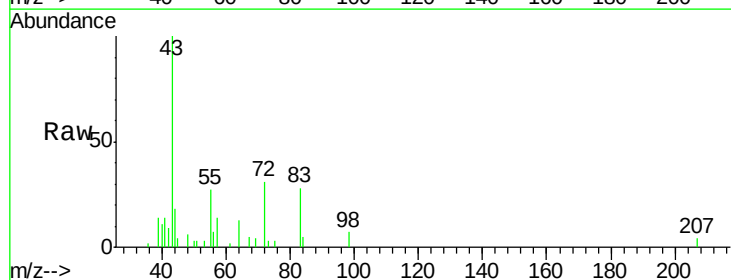
Acq: 04 Dec 2020 21:37

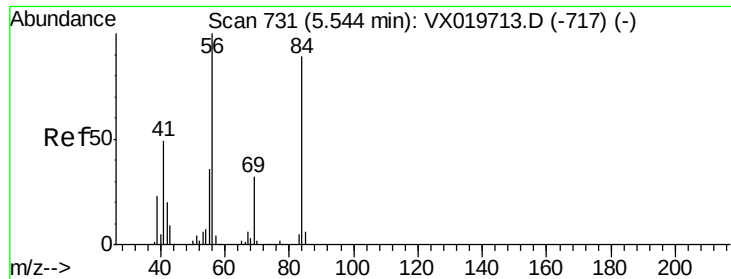
Tgt Ion: 43 Resp: 7484

Ion Ratio Lower Upper

43 100

72 32.0 23.7 35.5





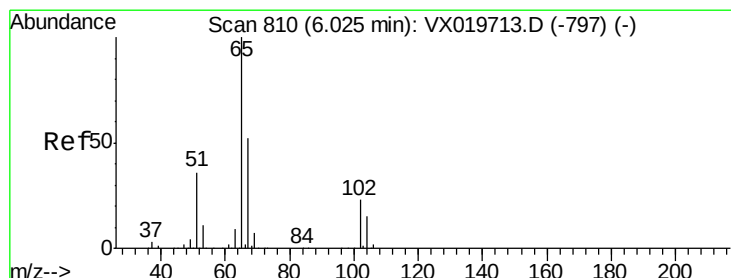
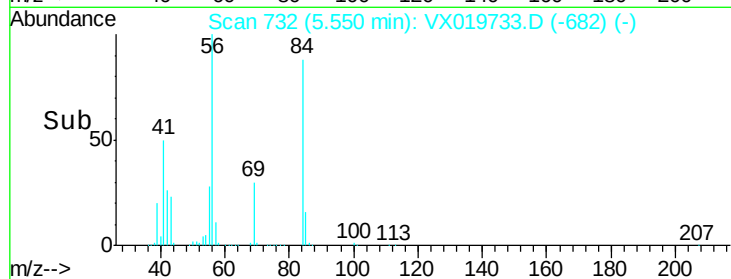
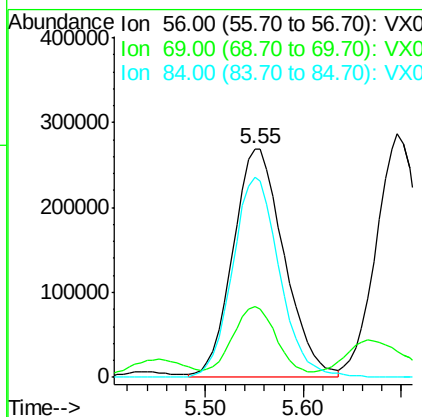
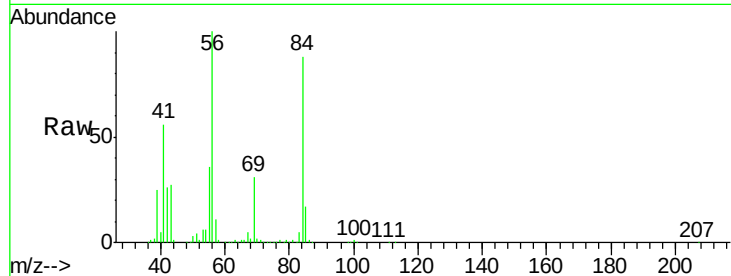
#31
Cvclohexane
Concen: 172.979 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Instrument :
MSVOA_X
ClientSampleId :
BES-12SR

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.7	25.3	37.9
84	88.3	71.4	107.0

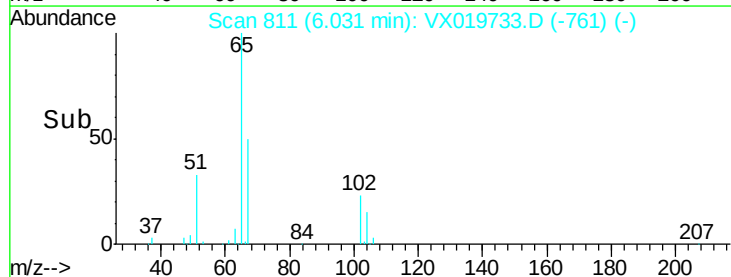
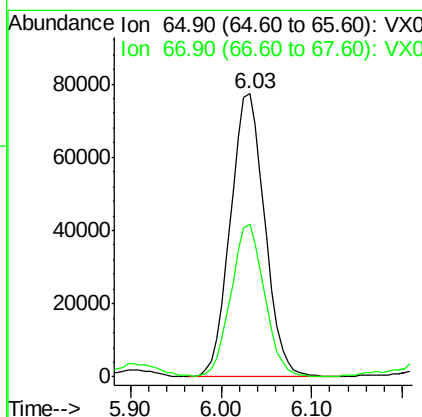
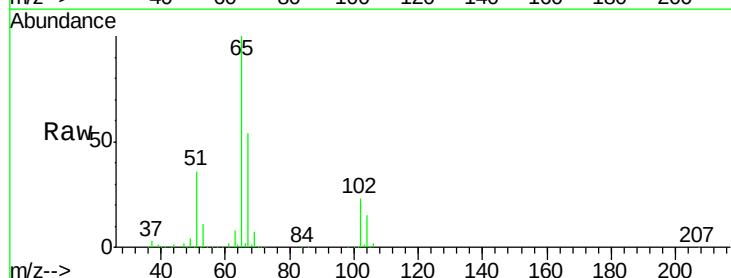
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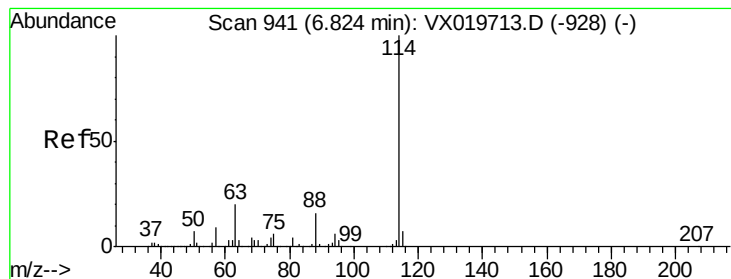
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#33
1,2-Dichloroethane-d4
Concen: 44.377 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.01 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019733.D

Acq: 04 Dec 2020 21:37

Instrument :

MSVOA_X

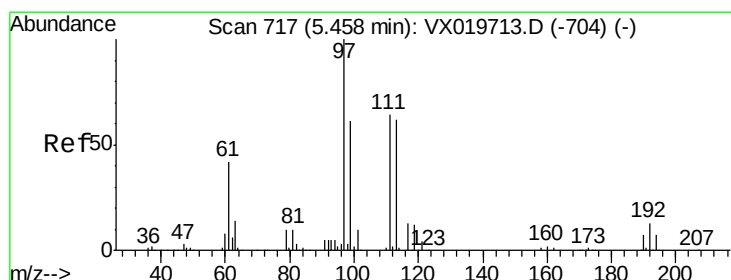
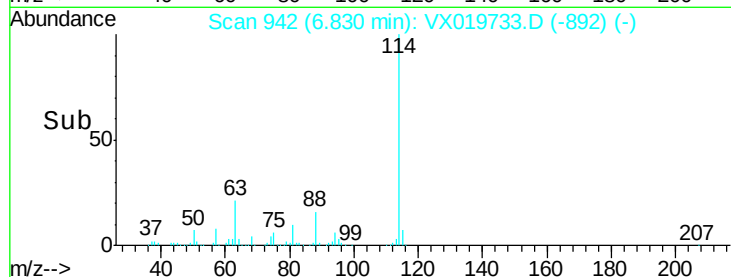
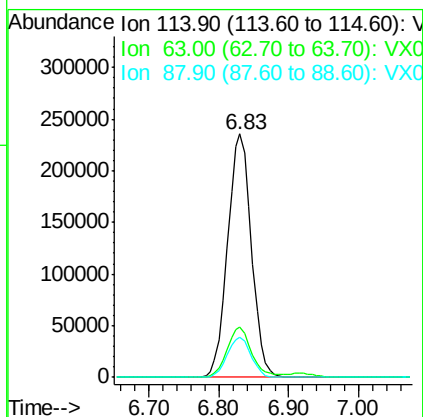
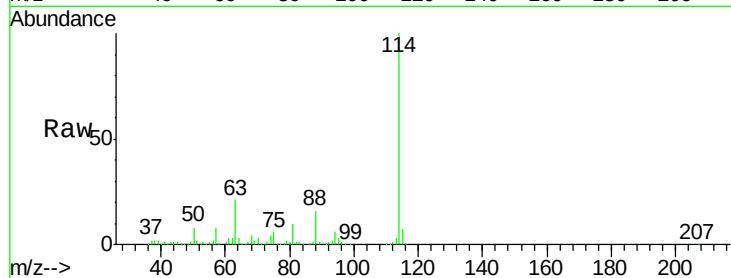
ClientSampleId :

BES-12SR

Tot Ion:	114	Resp:	554432
Ion Ratio	Lower	Upper	
114	100		
63	20.6	0.0	40.8
88	16.4	0.0	32.8

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#35

Dibromofluoromethane

Concen: 46.145 ug/l

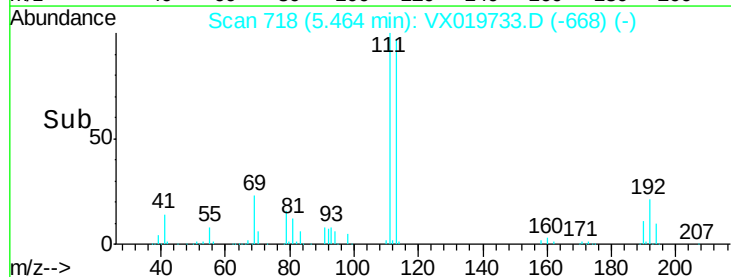
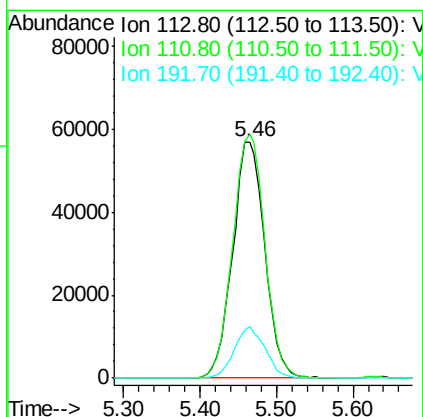
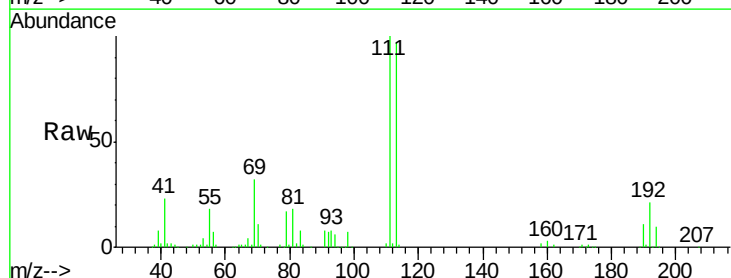
RT: 5.46 min Scan# 718

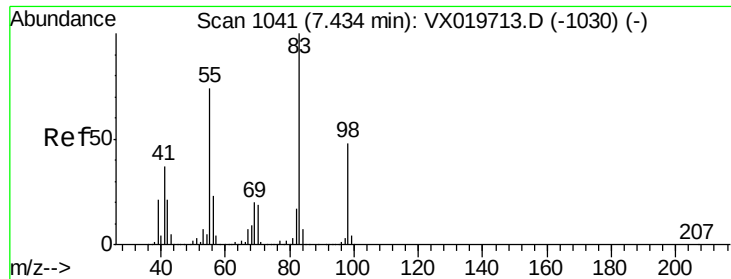
Delta R.T. 0.01 min

Lab File: VX019733.D

Acq: 04 Dec 2020 21:37

Tgt Ion:	113	Resp:	165349
Ion Ratio	Lower	Upper	
113	100		
111	103.7	81.9	122.9
192	20.9	16.7	25.1





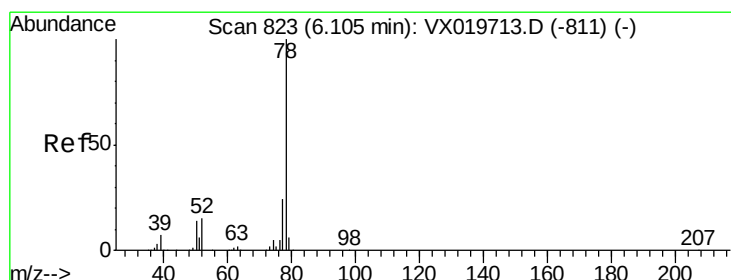
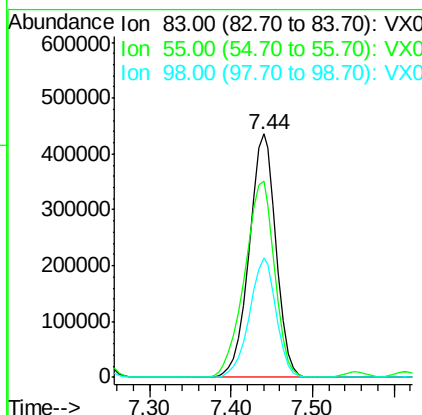
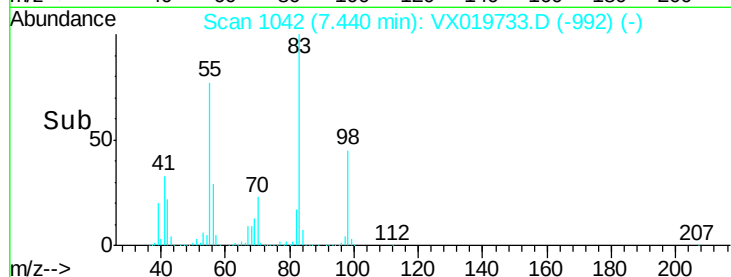
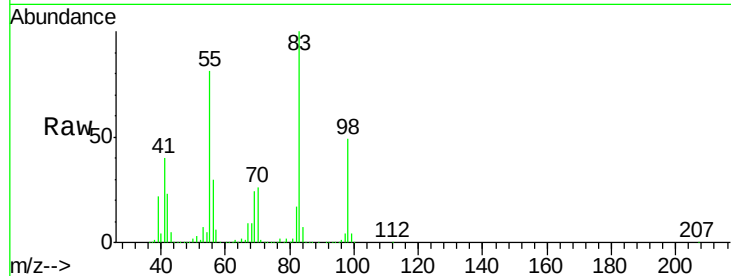
#39
Methylvlcyclohexane
Concen: 169.050 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Instrument :
MSVOA_X
ClientSampled :
BES-12SR

Tot Ion	Ratio	Resp	Lower	Upper
83	100	995062		
55	80.5		58.9	88.3
98	49.3		38.1	57.1

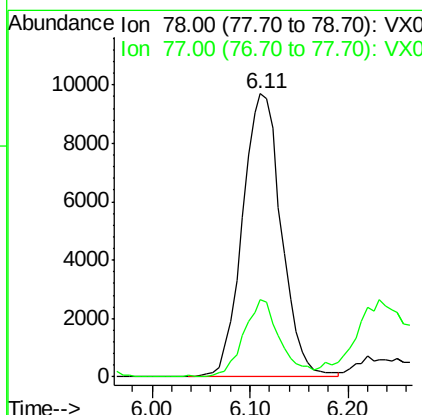
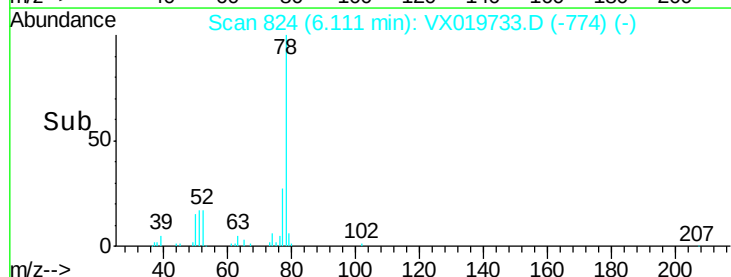
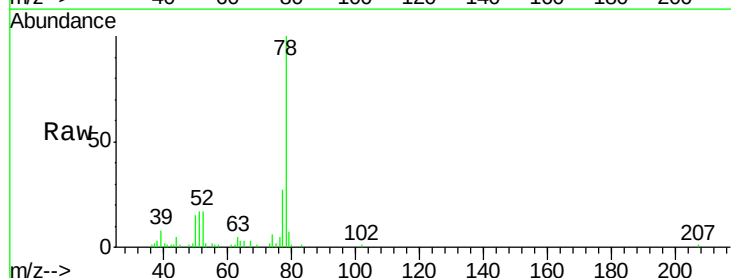
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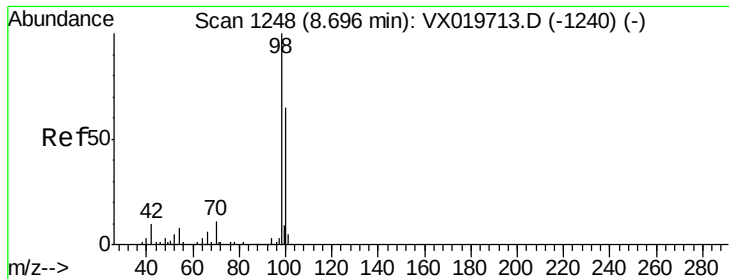
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#40
Benzene
Concen: 1.749 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	26763		
77	26.9		18.9	28.3





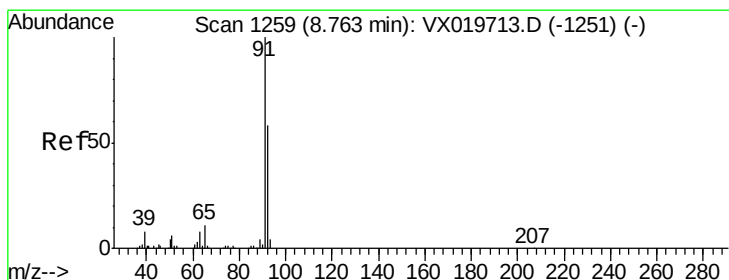
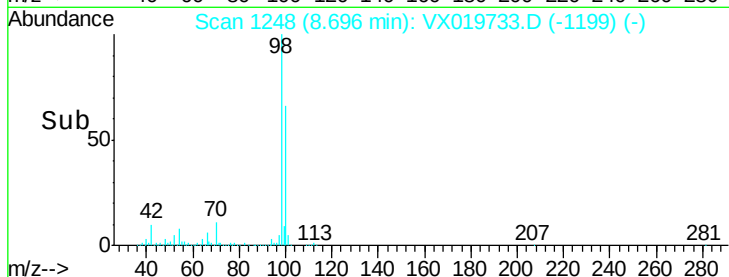
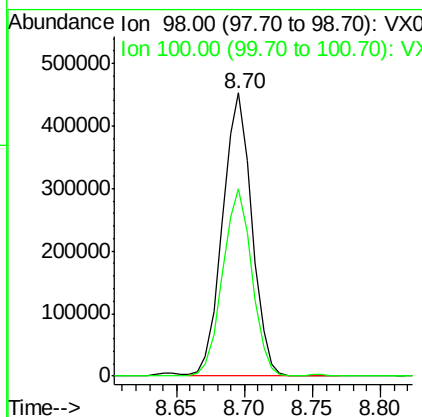
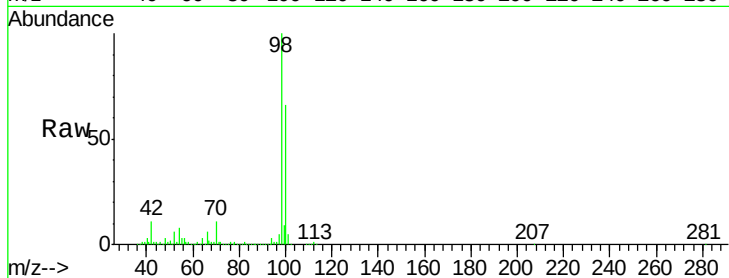
#50
Toluene-d8
Concen: 49.343 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Instrument :
MSVOA_X
ClientSampled :
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Tot Ion	98	Resp	674996
Ion Ratio	100	Lower	Upper
98	100	51.9	77.9
100	66.1		

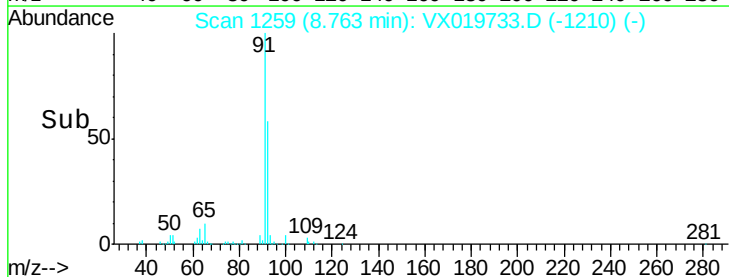
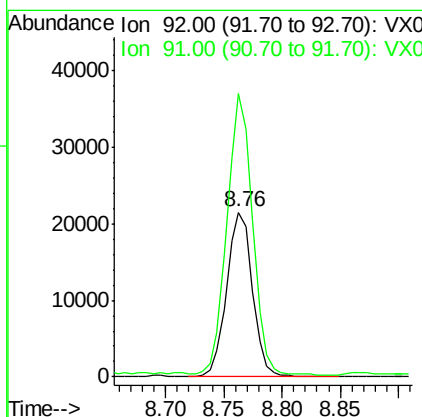
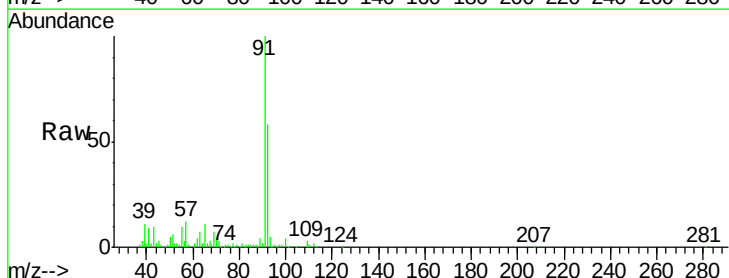
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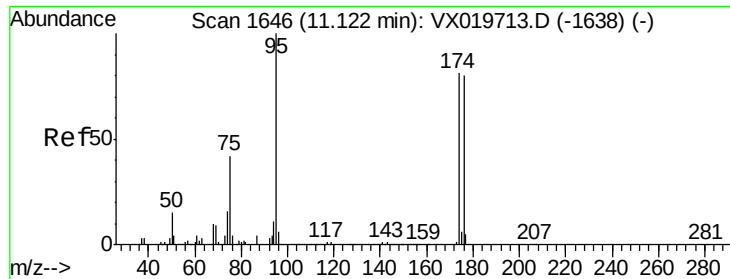
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#52
Toluene
Concen: 3.482 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Tgt Ion	92	Resp	33332
Ion Ratio	100	Lower	Upper
92	100	137.1	205.7
91	166.4		





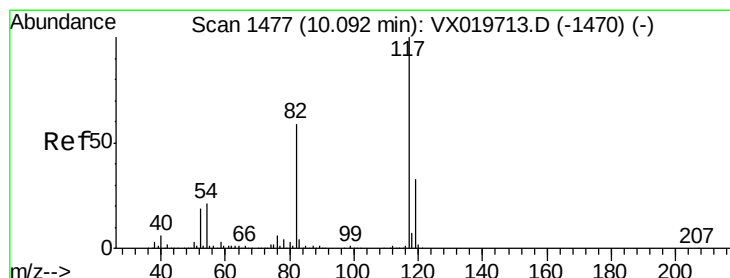
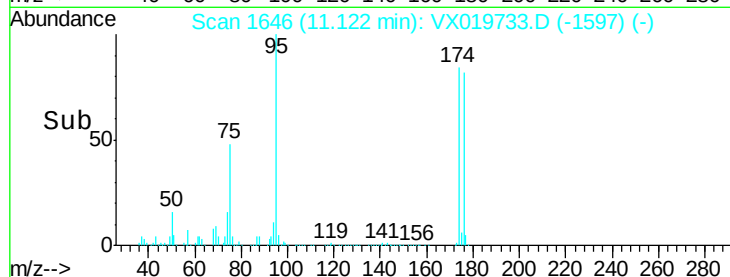
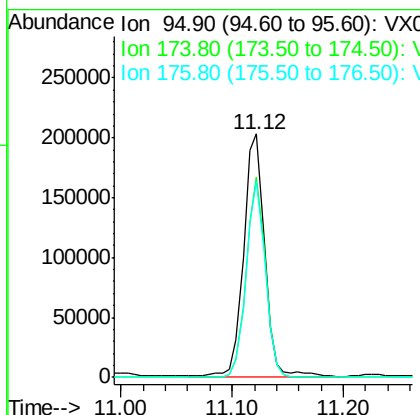
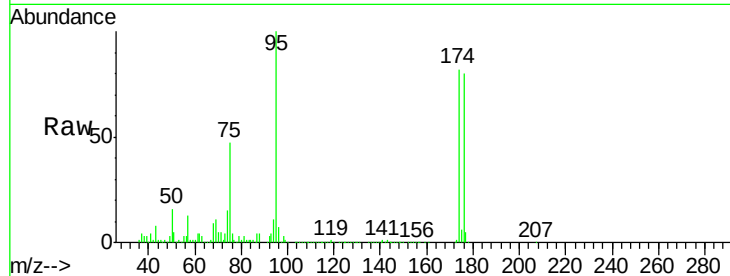
#62
4-Bromofluorobenzene
Concen: 50.776 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Instrument :
MSVOA_X
ClientSampled :
BES-12SR

Tot Ion	Ratio	Resp	Lower	Upper
95	100	264376		
174	75.3	0.0	154.6	
176	72.9	0.0	155.8	

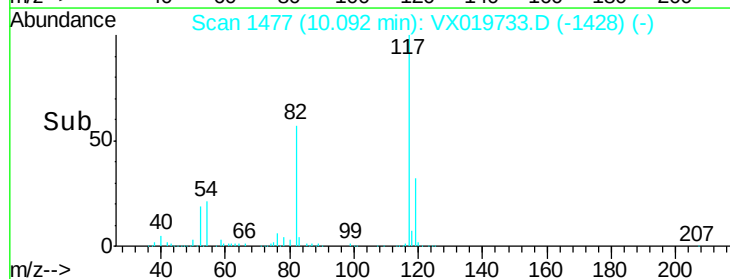
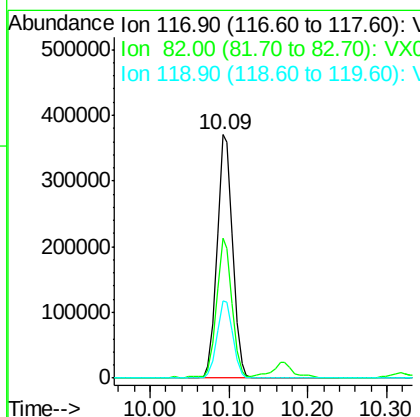
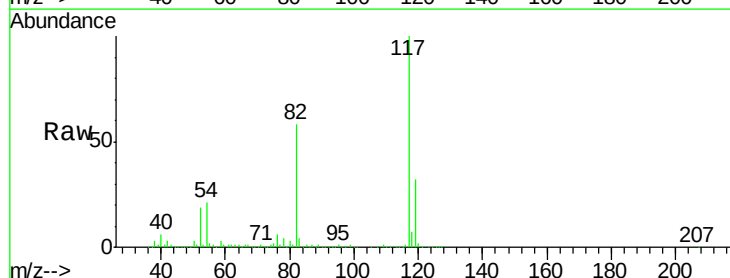
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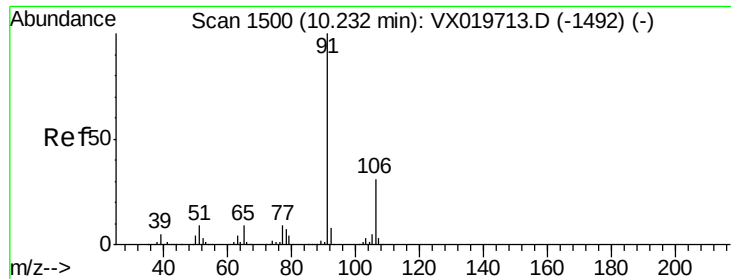
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	509684		
82	57.5	47.4	71.2	
119	31.5	26.6	39.8	





#67

Ethyl Benzene

Concen: 407.142 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX019733.D

Acq: 04 Dec 2020 21:37

Instrument :

MSVOA_X

ClientSampled :

BES-12SR

Tot Ion: 91 Resp: 7338474

Ion Ratio Lower Upper

91 100

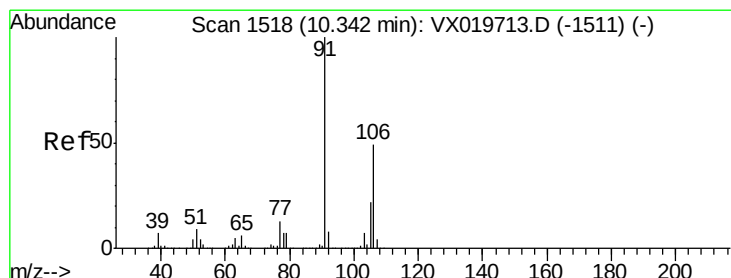
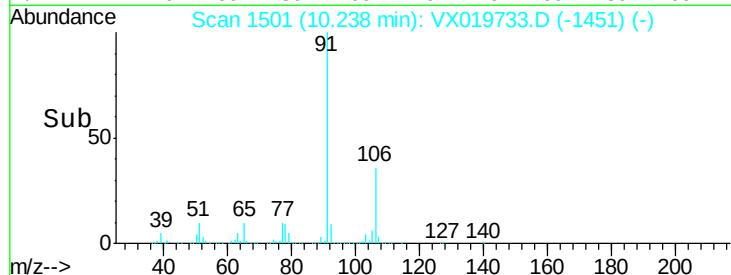
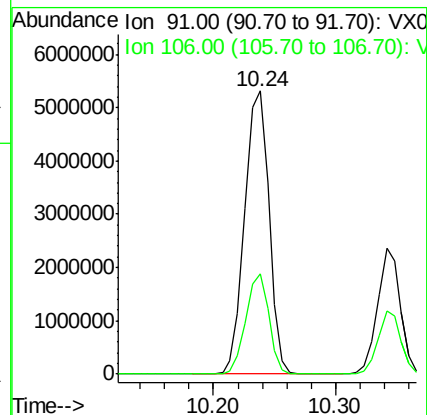
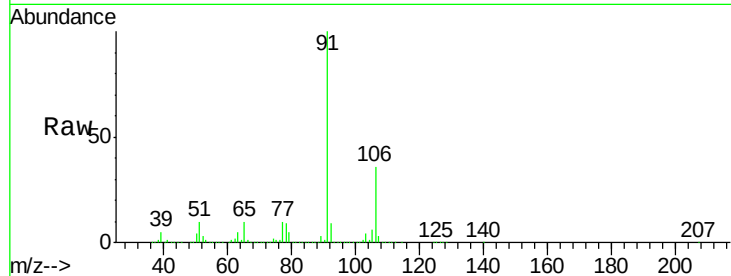
106 35.6 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 226.391 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019733.D

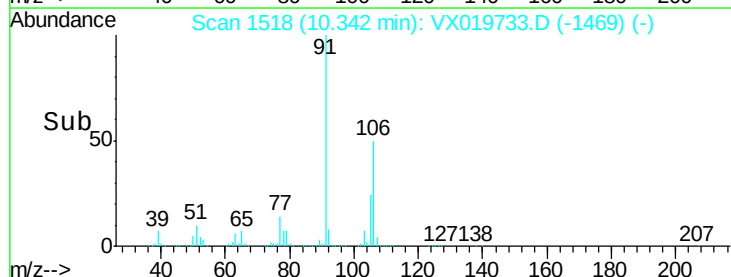
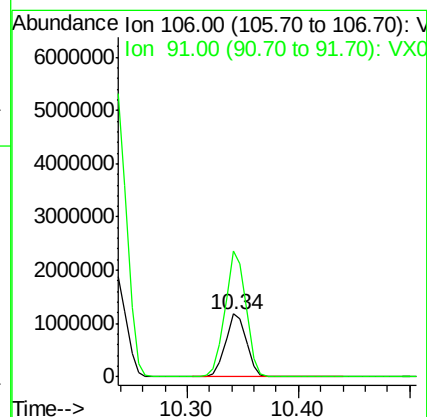
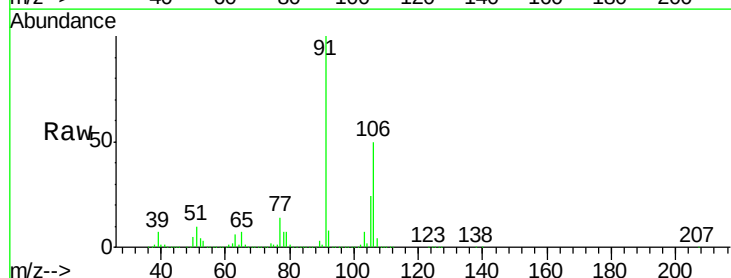
Acq: 04 Dec 2020 21:37

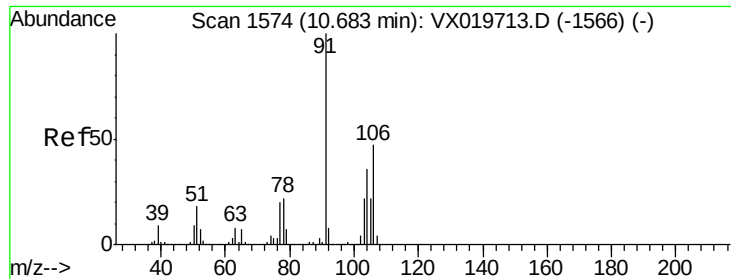
Tgt Ion: 106 Resp: 1537611

Ion Ratio Lower Upper

106 100

91 199.4 162.8 244.2





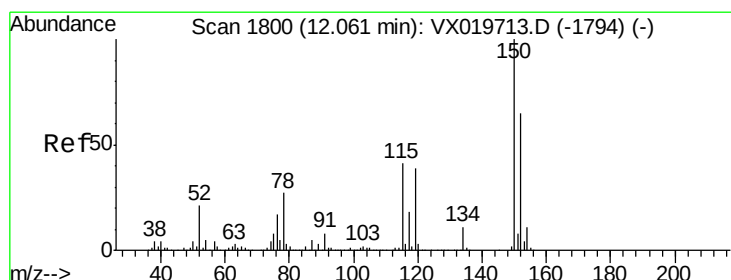
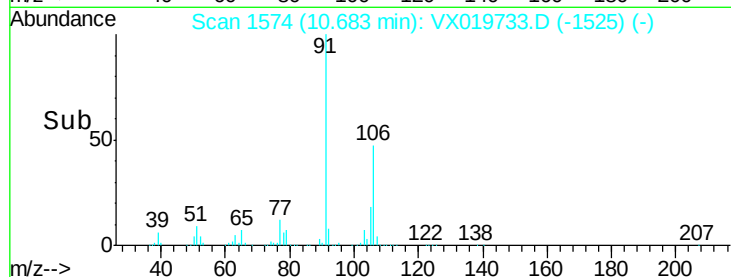
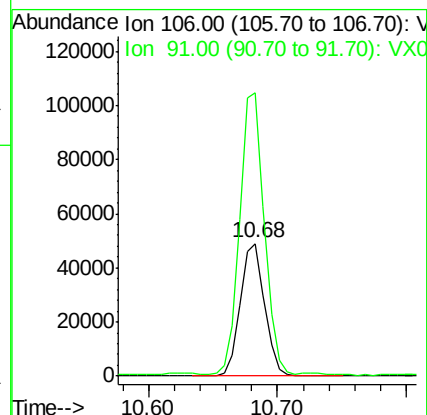
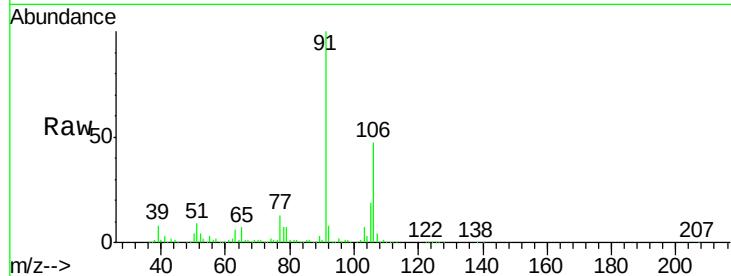
#69
o-Xylene
Concen: 9.753 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Instrument :
MSVOA_X
ClientSampled :
BES-12SR

Tot Ion:106 Resp: 63721
Ion Ratio Lower Upper
106 100
91 218.9 108.1 324.2

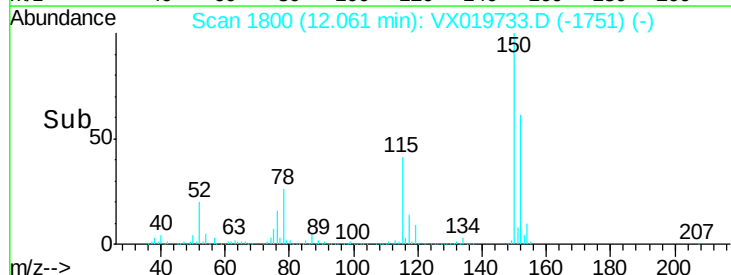
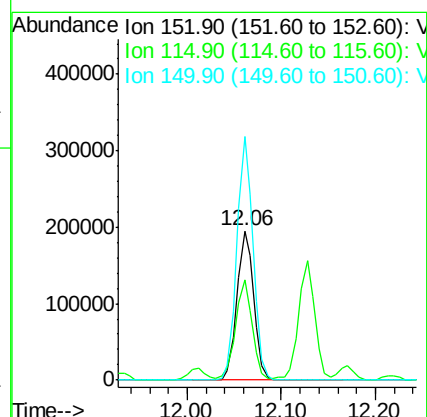
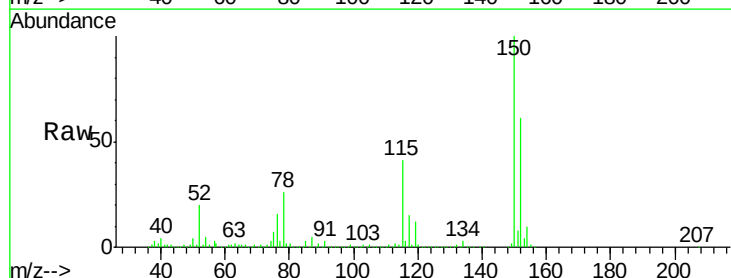
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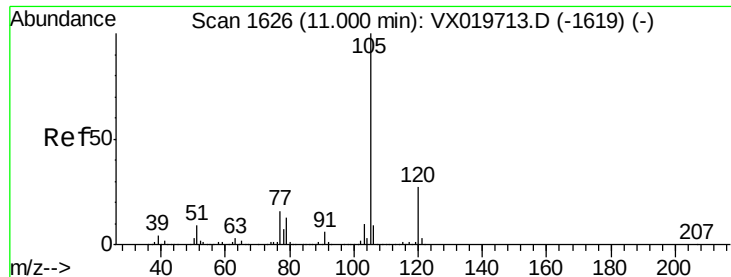
MMDadoda
12/7/2020 10:53:10 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Tgt Ion:152 Resp: 238277
Ion Ratio Lower Upper
152 100
115 64.8 41.1 123.3
150 159.2 0.0 349.0





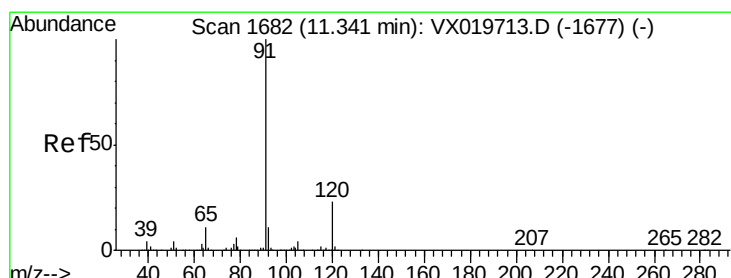
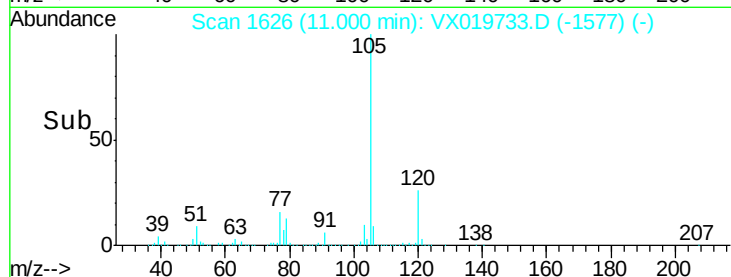
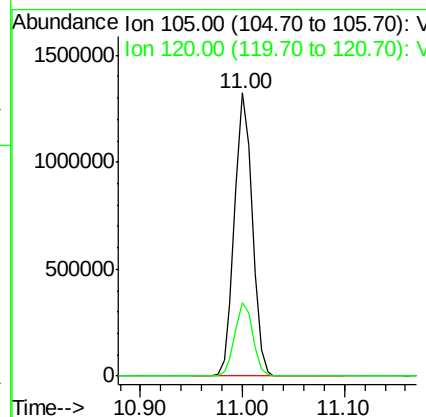
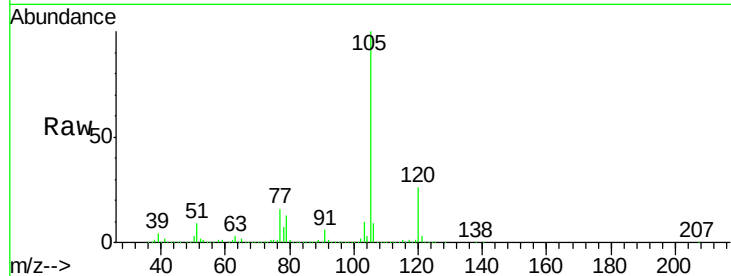
#73
Isopropylbenzene
Concen: 97.702 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Instrument :
MSVOA_X
ClientSampleId :
BES-12SR

Tot Ion:105 Resp: 1590497
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.6

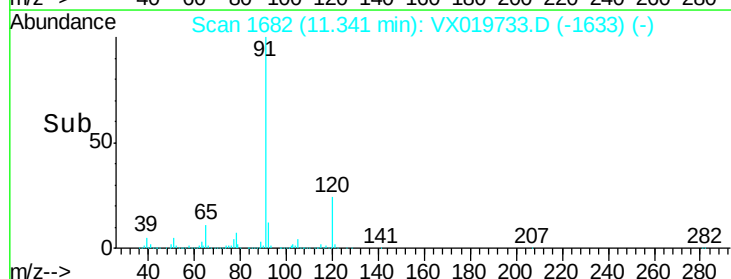
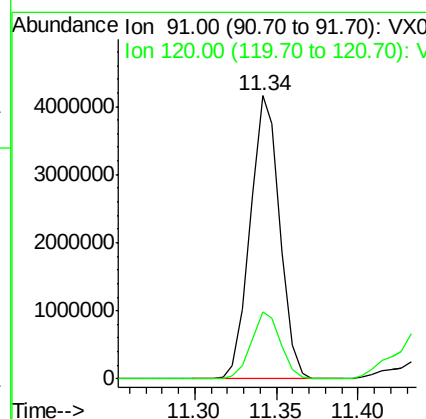
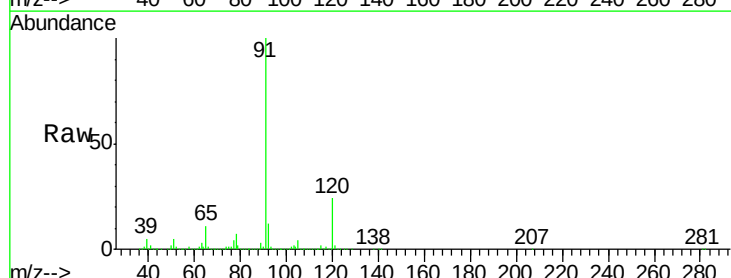
Manual Integrations
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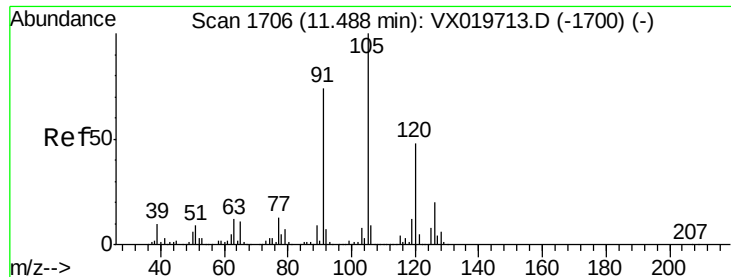
MMDadoda
12/7/2020 10:53:10 AM



#78
n-propylbenzene
Concen: 281.218 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Tgt Ion: 91 Resp: 5228702
Ion Ratio Lower Upper
91 100
120 23.5 11.5 34.5





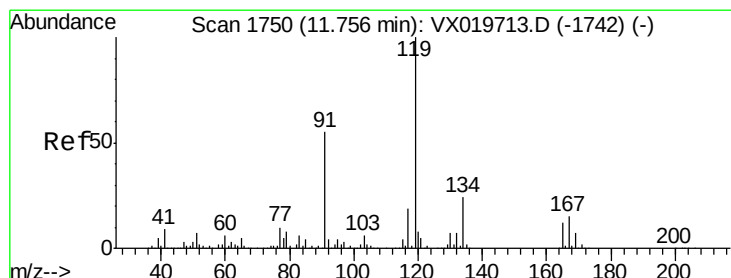
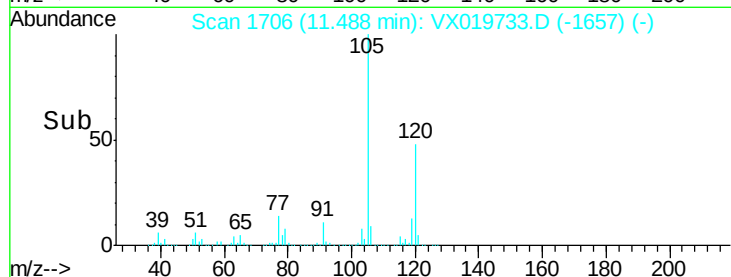
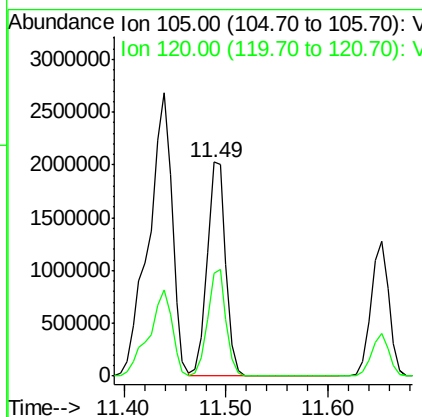
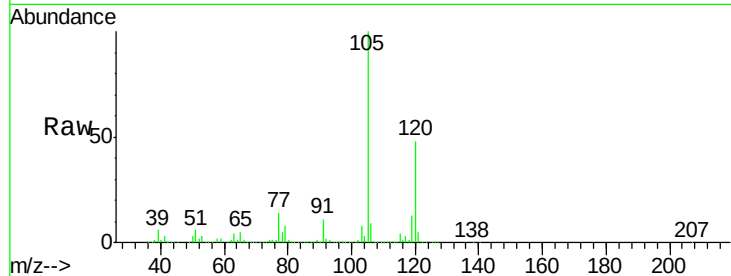
#80
 1,3,5-Trimethylbenzene
 Concen: 187.809 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX019733.D
 Acq: 04 Dec 2020 21:37

Instrument :
 MSVOA_X
 ClientSampled :
 BES-12SR

Tot Ion:105 Resp: 2580309
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.8 71.5

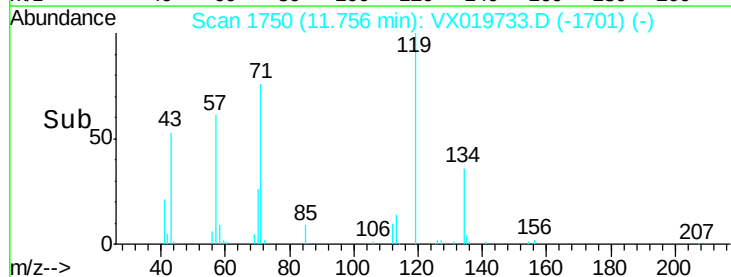
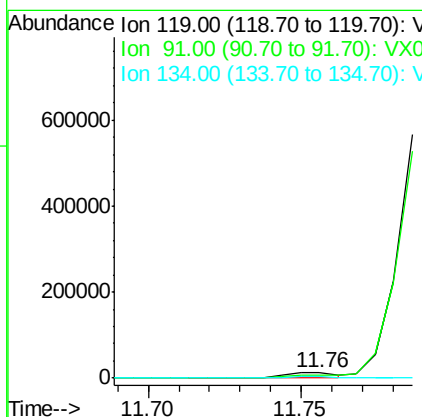
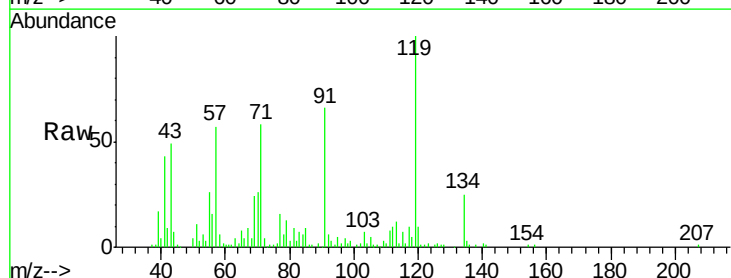
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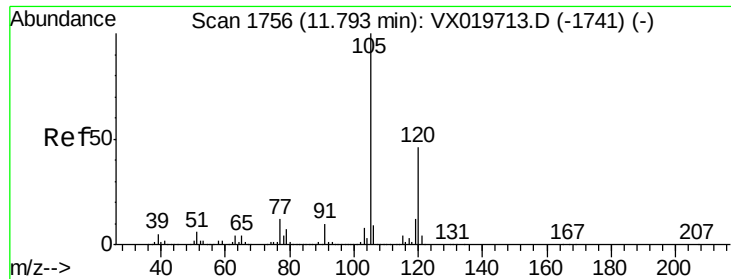
MMDadoda
 12/7/2020 10:53:10 AM



#83
 tert-Butylbenzene
 Concen: 1.133 ug/l m
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX019733.D
 Acq: 04 Dec 2020 21:37

Tgt Ion:119 Resp: 15262
 Ion Ratio Lower Upper
 119 100
 91 5181.2 27.9 83.7#
 134 0.0 11.3 33.9#





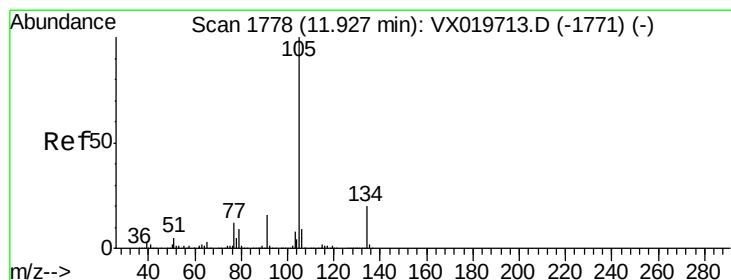
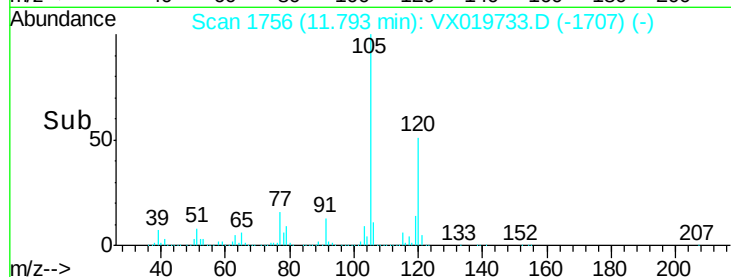
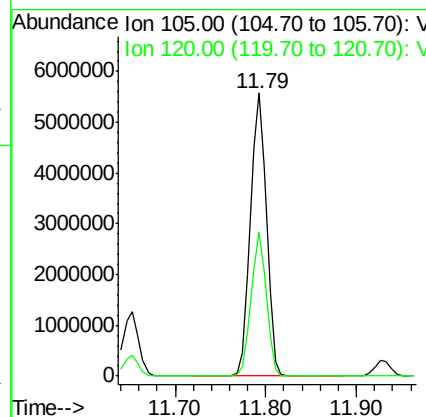
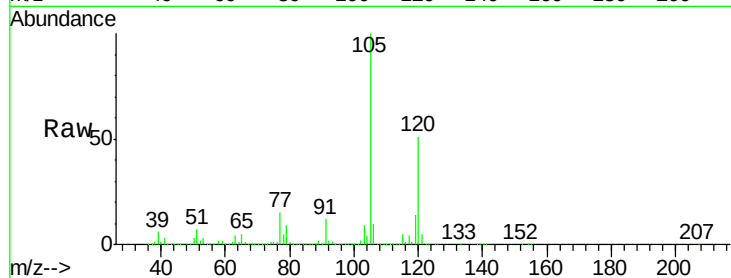
#84
1,2,4-Trimethylbenzene
Concen: 494.894 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Instrument :
MSVOA_X
ClientSampleId :
BES-12SR

Tot Ion:105 Resp: 6849105
Ion Ratio Lower Upper
105 100
120 48.2 22.4 67.3

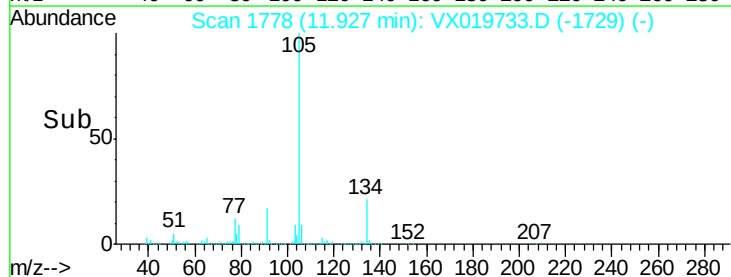
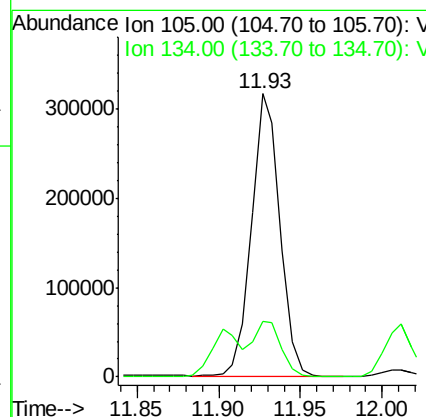
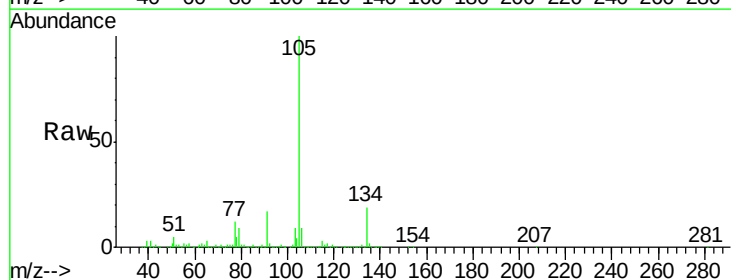
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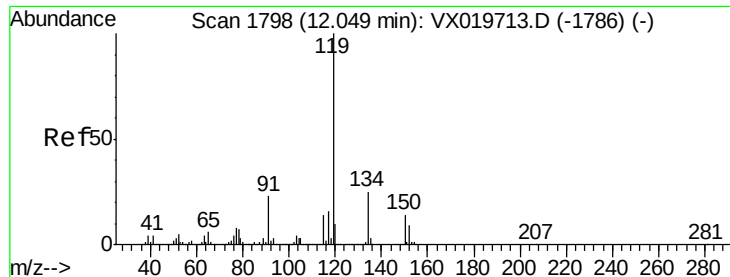
MMDadoda
12/7/2020 10:53:10 AM



#85
sec-Butylbenzene
Concen: 24.953 ug/l
RT: 11.93 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Tgt Ion:105 Resp: 383886
Ion Ratio Lower Upper
105 100
134 19.4 10.0 29.8





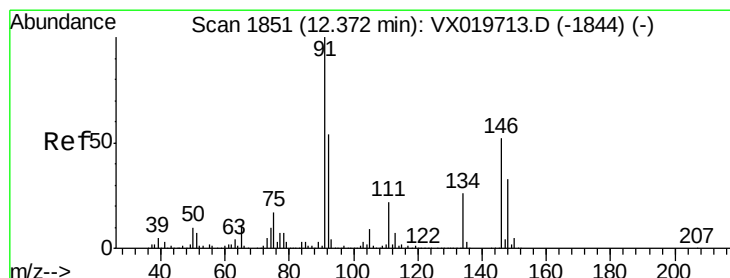
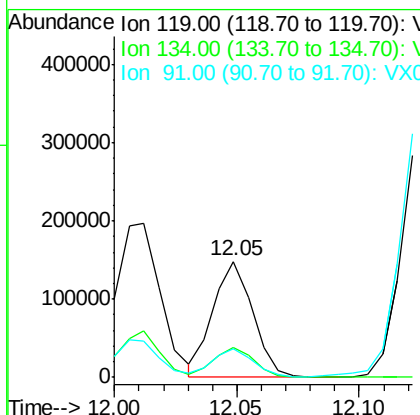
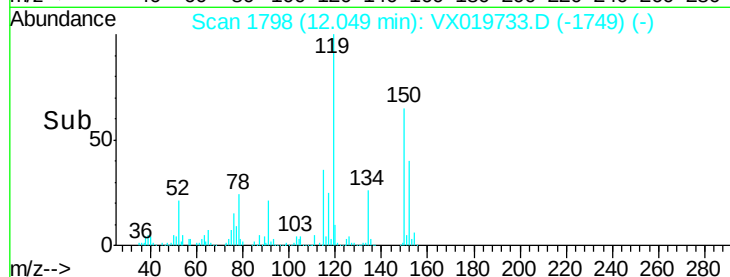
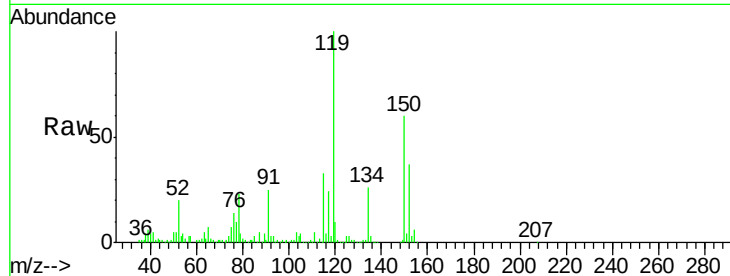
#86
p-Isopropyltoluene
Concen: 11.888 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Instrument :
MSVOA_X
ClientSampleId :
BES-12SR

Tot Ion	Ratio	Resp	Lower	Upper
119	100	167607		
134	26.6	12.9	38.7	
91	24.4	11.7	35.0	

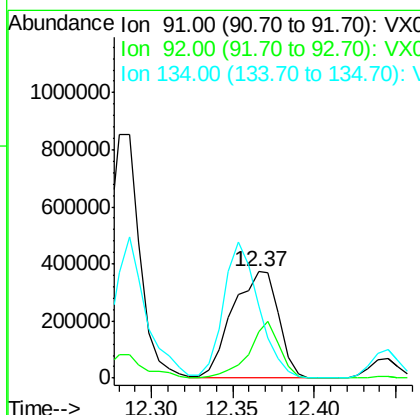
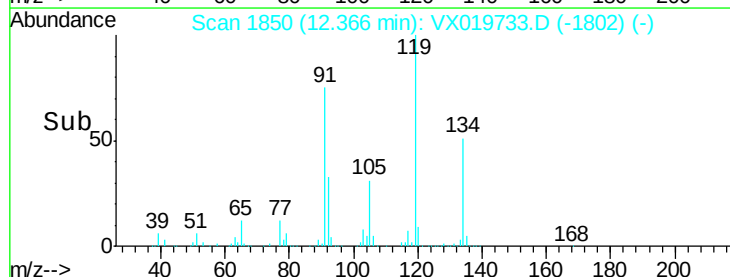
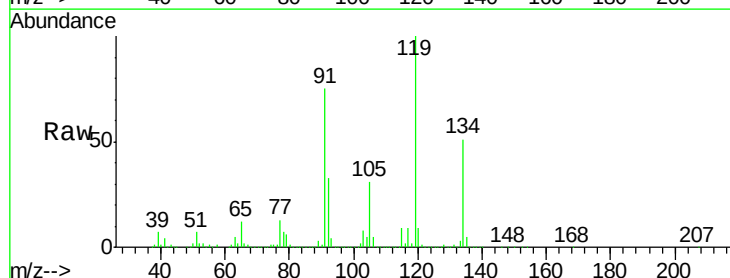
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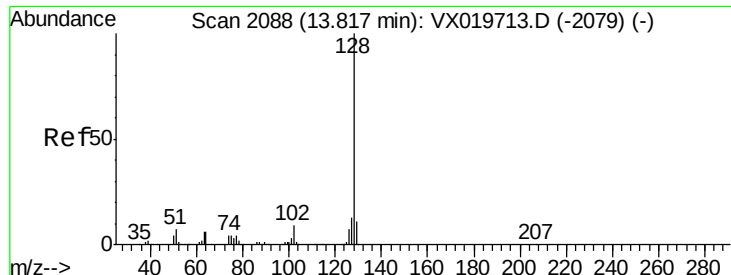
MMDadoda
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#89
n-Butylbenzene
Concen: 58.726 ug/l
RT: 12.37 min Scan# 1850
Delta R.T. -0.01 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	733581		
92	35.5	27.4	82.0	
134	97.7	13.2	39.5#	





#95
Naphthalene
Concen: 245.508 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019733.D
Acq: 04 Dec 2020 21:37

Instrument :
MSVOA_X
ClientSampleId :
BES-12SR

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.6	8.8	13.2

Manual Integrations
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MMDadoda
12/7/2020 10:53:10 AM

