

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019100.D
 Acq On : 24 Oct 2020 02:37
 Operator : JC/SP
 Sample : L4417-17DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10DL

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 10:02:55 AM

Quant Time: Oct 26 06:13:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	268137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	473334	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	448586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	237200	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	166244	51.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.52%	
35) Dibromofluoromethane	5.46	113	144541	48.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.46%	
50) Toluene-d8	8.70	98	587209	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	11.12	95	215810	53.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.10%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.56	56	29316	7.794	ug/l #	91
39) Methylcyclohexane	7.44	83	24745	5.200	ug/l	93
40) Benzene	6.12	78	3962	0.317	ug/l	95
52) Toluene	8.76	92	8932	1.081	ug/l	97
67) Ethyl Benzene	10.23	91	689487	42.510	ug/l	98
68) m/p-Xylenes	10.34	106	499235	80.352	ug/l	100
69) o-Xylene	10.68	106	14142	2.378	ug/l	96
73) Isopropylbenzene	11.00	105	567681	33.268	ug/l	100
78) n-propylbenzene	11.34	91	690778	35.726	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	631073	44.786	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	2237762	158.596	ug/l	98
85) sec-Butylbenzene	11.93	105	22957m	1.367	ug/l	
86) p-Isopropyltoluene	12.05	119	6738m	0.439	ug/l	
89) n-Butylbenzene	12.36	91	39383	2.803	ug/l #	11
95) Naphthalene	13.82	128	283762	16.725	ug/l	100

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

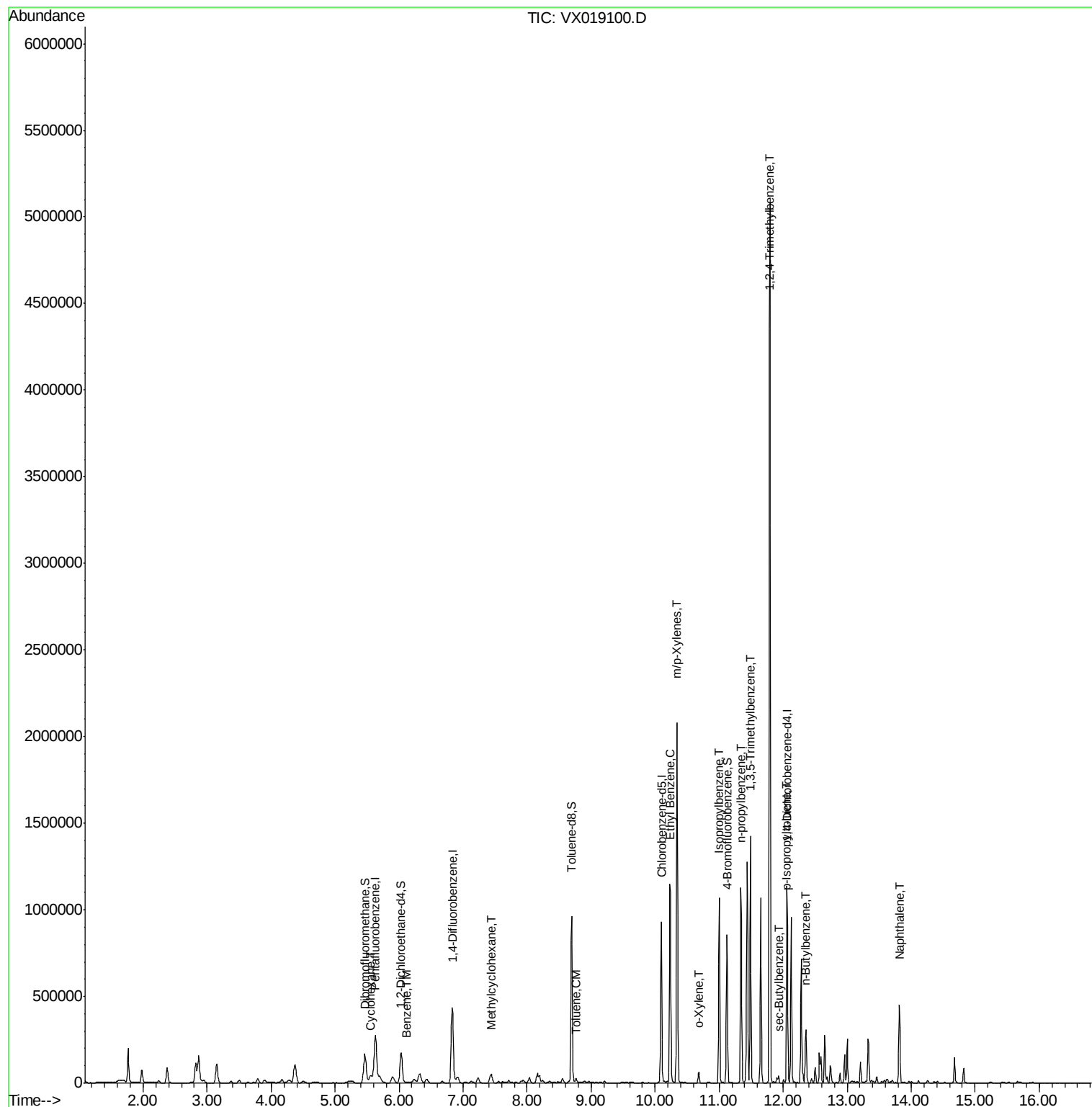
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102320\
Data File : VX019100.D
Acq On : 24 Oct 2020 02:37
Operator : JC/SP
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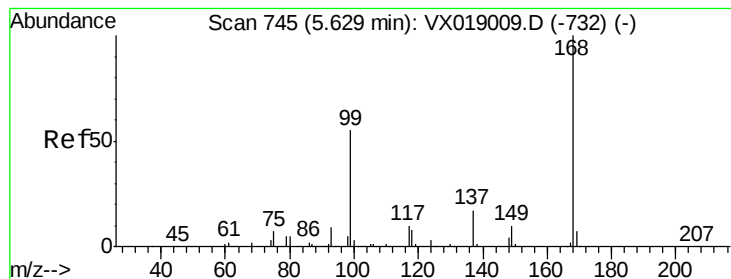
Instrument :
MSVOA_X
ClientSampleId :
MW-10DL

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MMDadoda
10/26/2020 10:02:55 AM

Quant Time: Oct 26 06:13:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019100.D

Acq: 24 Oct 2020 02:37

Instrument :

MSVOA_X

ClientSampled :

MW-10DL

Tot Ion:168 Resp: 268137

Ion Ratio Lower Upper

168 100

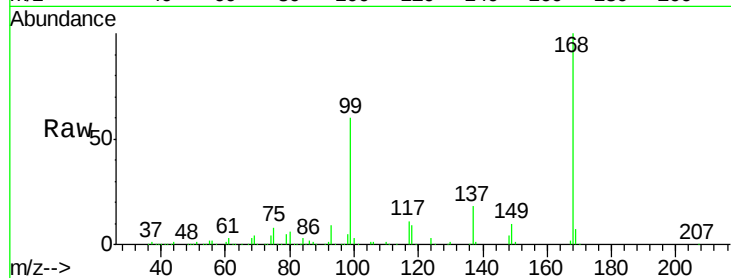
99 60.4 44.2 66.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

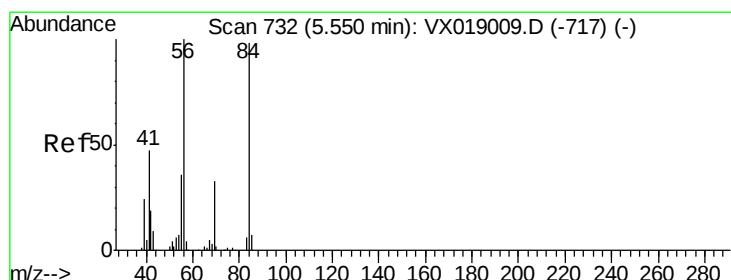
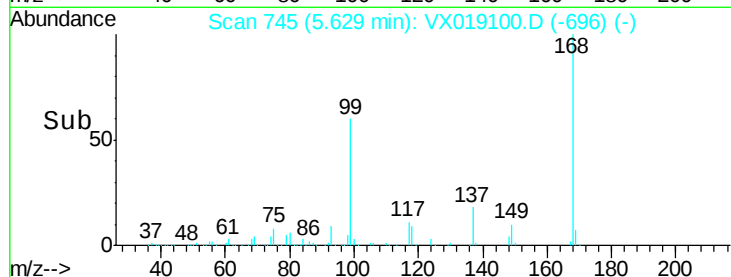
60000

40000

20000

0

Time-->



#31

Cyclohexane

Concen: 7.794 ug/l

RT: 5.56 min Scan# 733

Delta R.T. 0.01 min

Lab File: VX019100.D

Acq: 24 Oct 2020 02:37

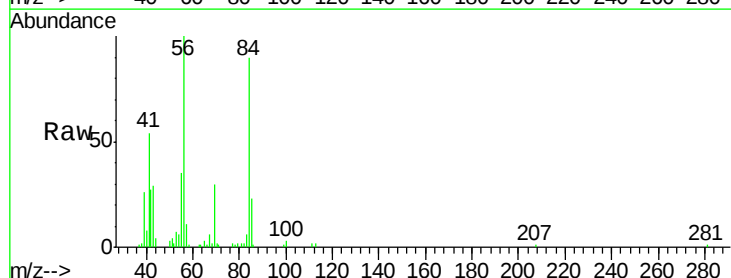
Tgt Ion: 56 Resp: 29316

Ion Ratio Lower Upper

56 100

69 22.4 26.2 39.2#

84 91.4 78.3 117.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

12000

10000

8000

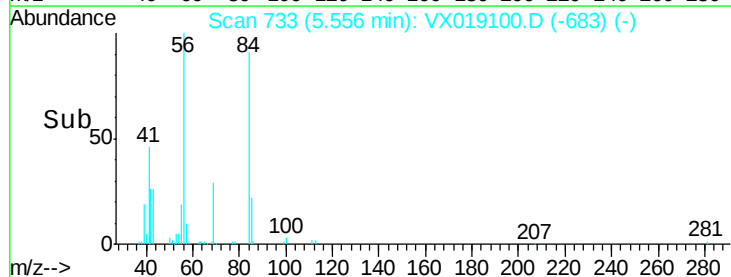
6000

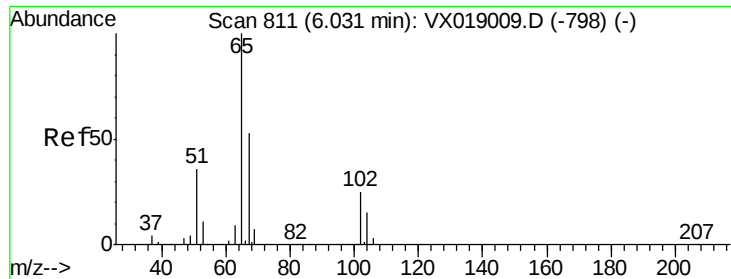
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.760 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019100.D

Acq: 24 Oct 2020 02:37

Instrument :

MSVOA_X

ClientSampleId :

MW-10DL

Tot Ion: 65 Resp: 166244

Ion Ratio Lower Upper

65 100

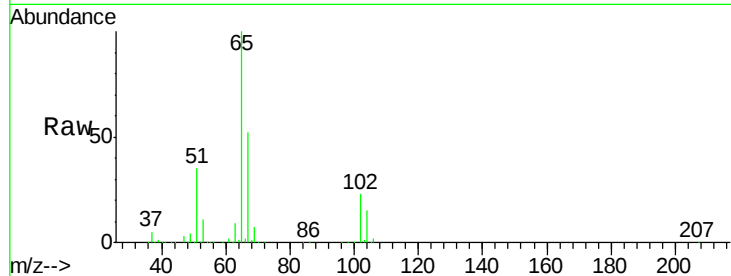
67 52.3 0.0 107.0

Manual Integrations

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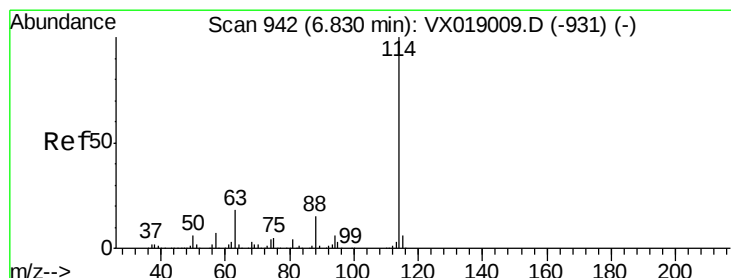
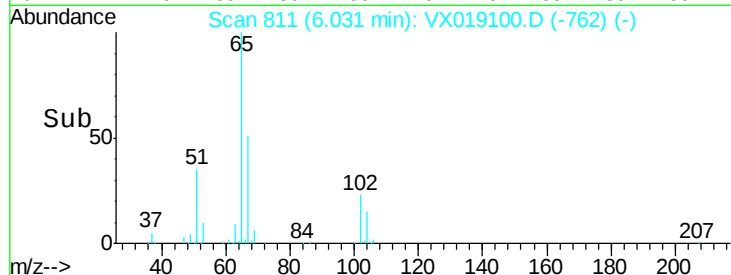
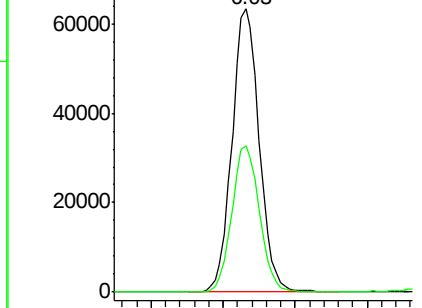
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019100.D

Acq: 24 Oct 2020 02:37

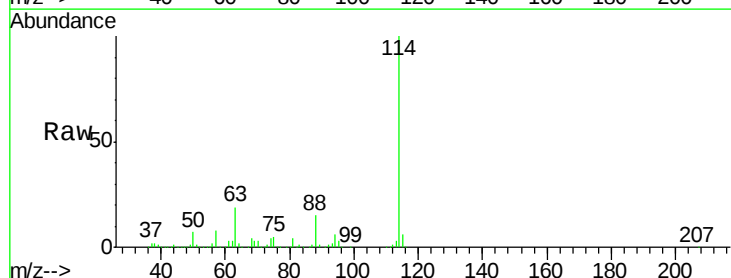
Tgt Ion: 114 Resp: 473334

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.8

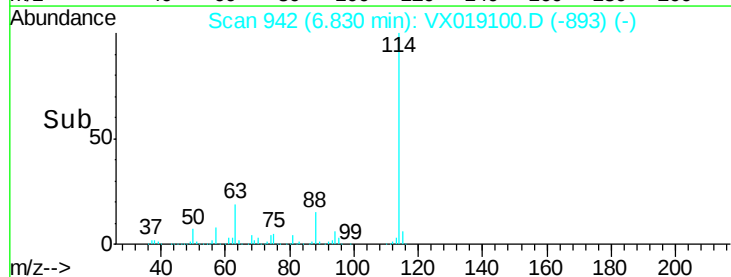
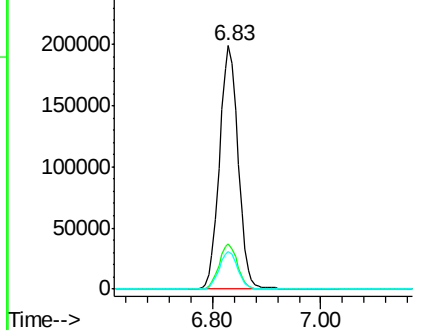
88 15.2 0.0 30.2

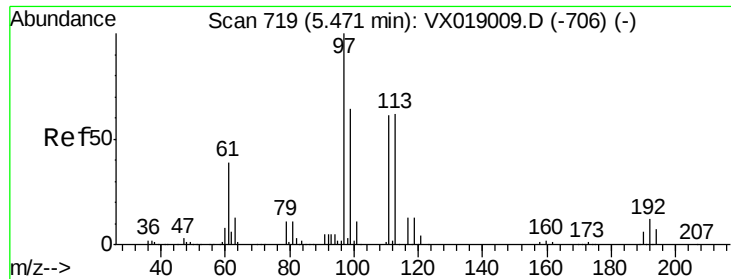


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.231 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019100.D

Acq: 24 Oct 2020 02:37

Instrument :

MSVOA_X

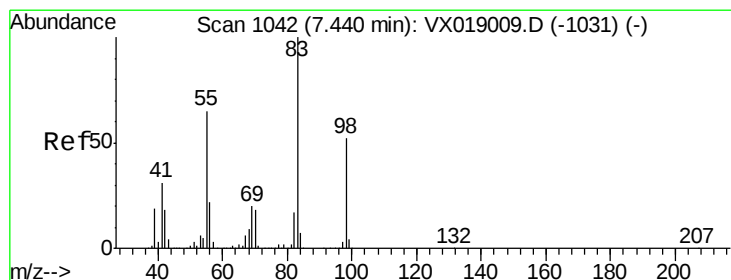
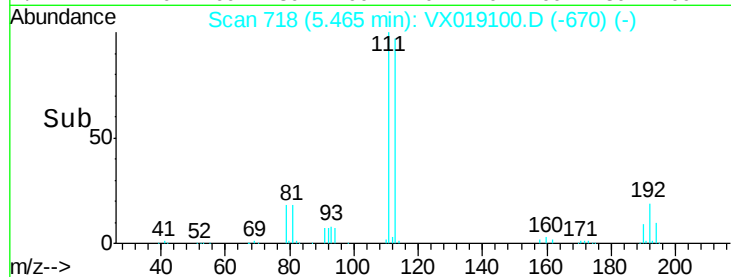
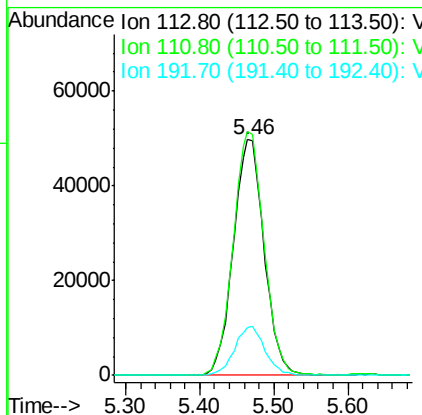
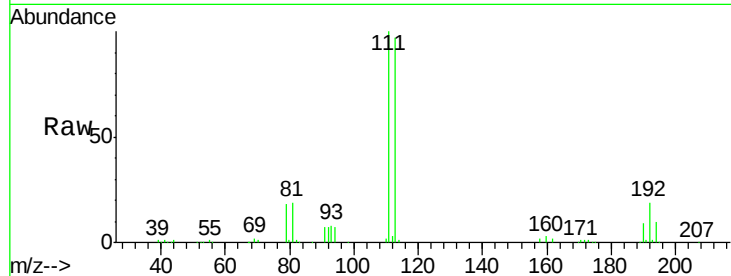
ClientSampled :

MW-10DL

Tot Ion:	113	Resp:	144541
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.5	122.3
192	20.3	16.3	24.5

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#39

Methylcyclohexane

Concen: 5.200 ug/l

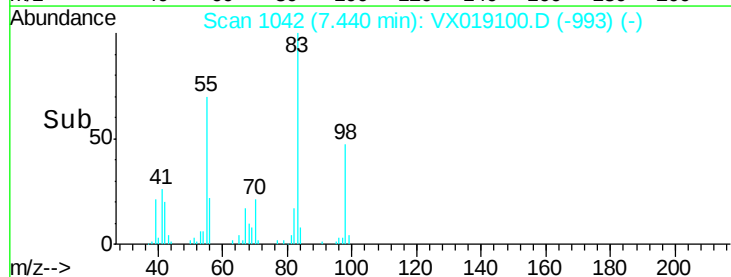
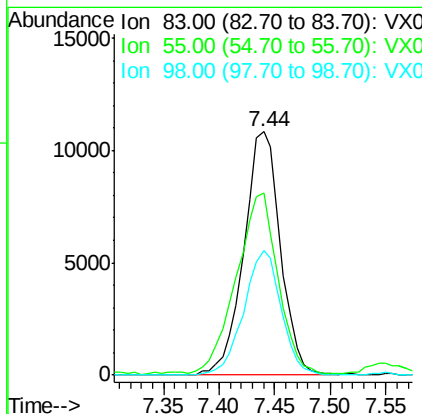
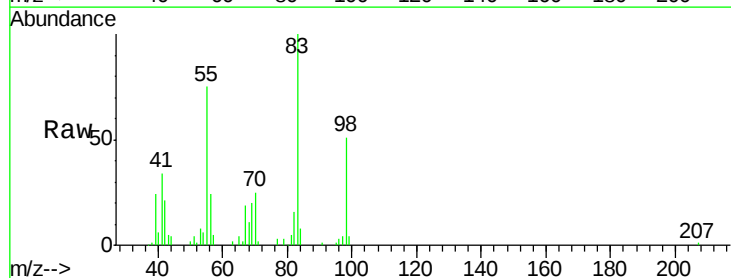
RT: 7.44 min Scan# 1042

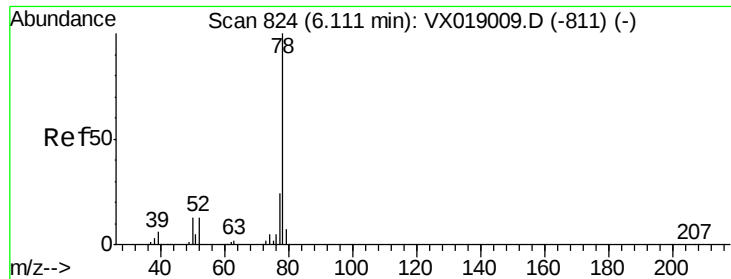
Delta R.T. 0.00 min

Lab File: VX019100.D

Acq: 24 Oct 2020 02:37

Tgt Ion:	83	Resp:	24745
Ion Ratio	Lower	Upper	
83	100		
55	74.3	51.8	77.6
98	51.2	41.4	62.2





#40

Benzene

Concen: 0.317 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX019100.D

Acq: 24 Oct 2020 02:37

Instrument :

MSVOA_X

ClientSampleId :

MW-10DL

Tot Ion: 78 Resp: 3962

Ion Ratio Lower Upper

78 100

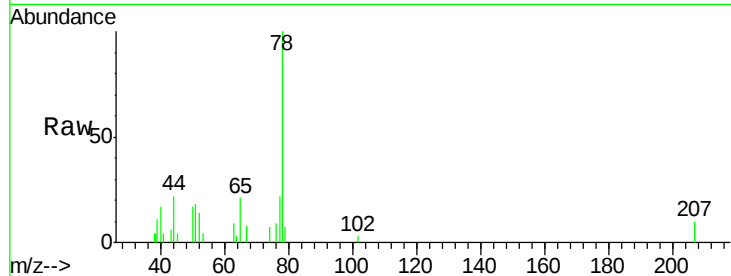
77 21.6 19.3 28.9

Manual Integrations

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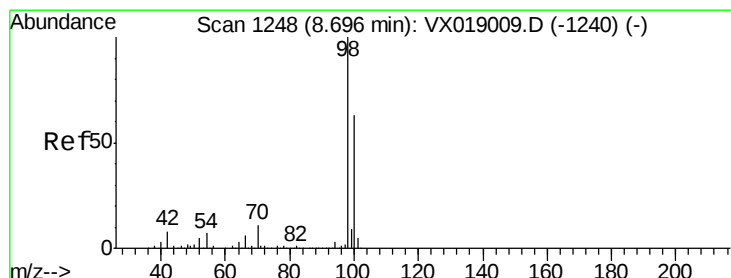
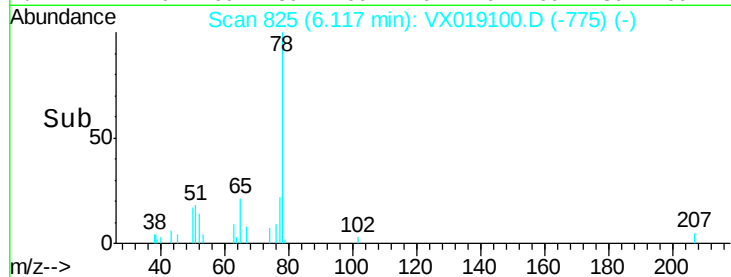
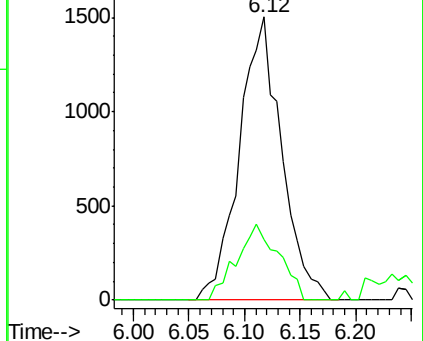
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.347 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019100.D

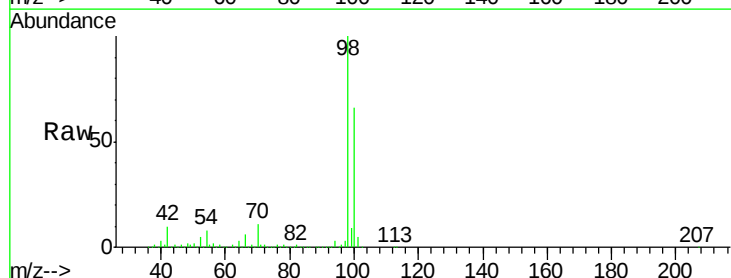
Acq: 24 Oct 2020 02:37

Tgt Ion: 98 Resp: 587209

Ion Ratio Lower Upper

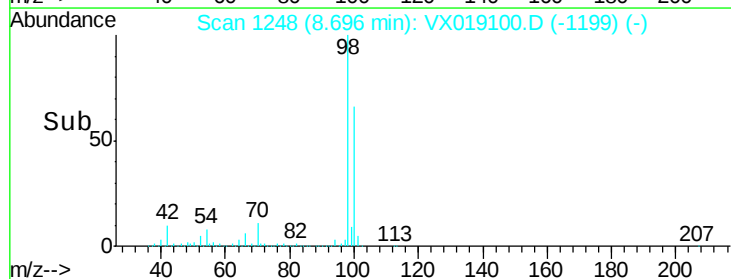
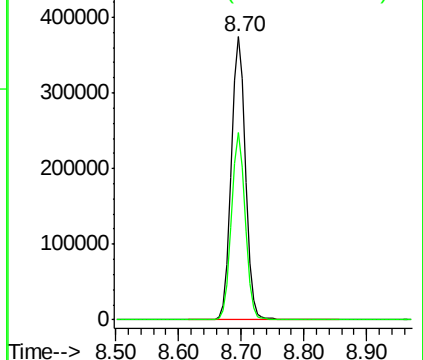
98 100

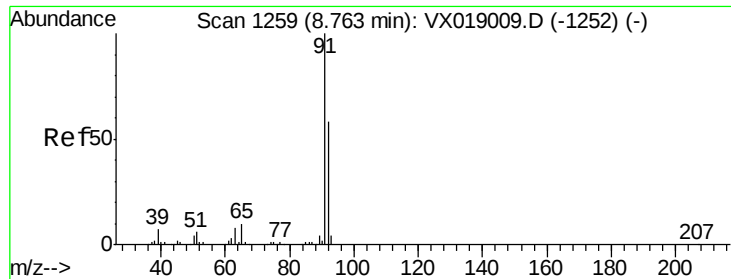
100 64.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 1.081 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019100.D

Acq: 24 Oct 2020 02:37

Instrument :

MSVOA_X

ClientSampleId :

MW-10DL

Tot Ion: 92 Resp: 8932

Ion Ratio Lower Upper

92 100

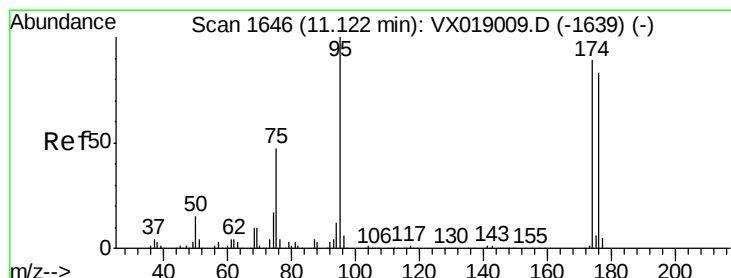
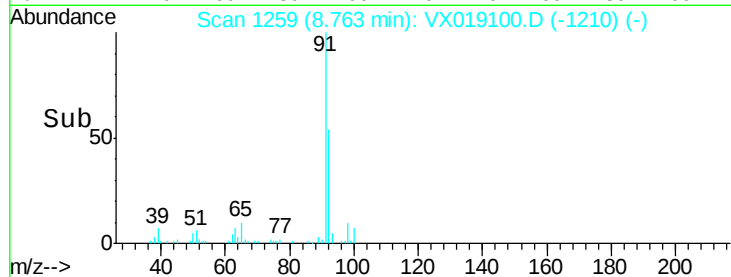
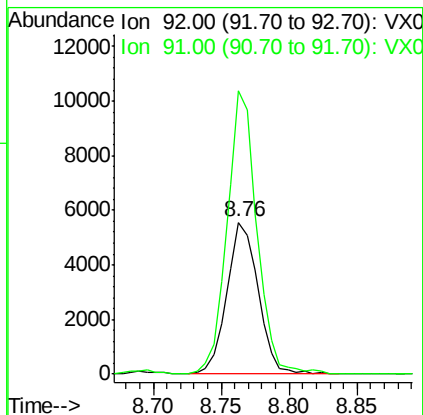
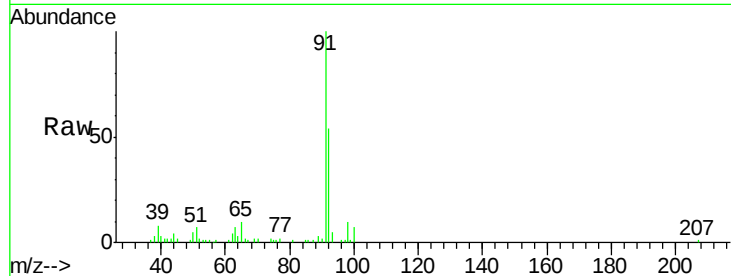
91 177.0 138.6 208.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 53.053 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019100.D

Acq: 24 Oct 2020 02:37

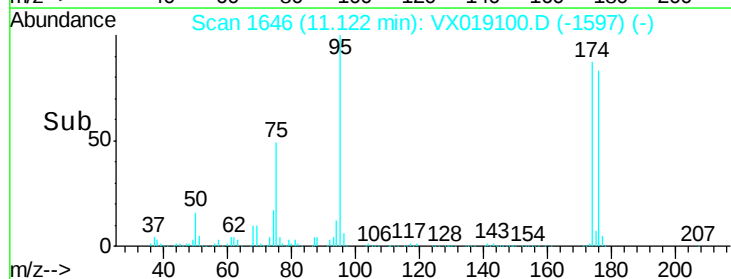
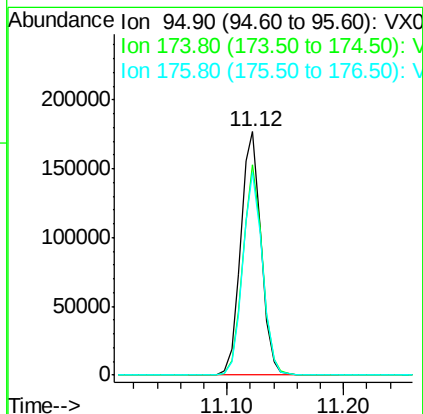
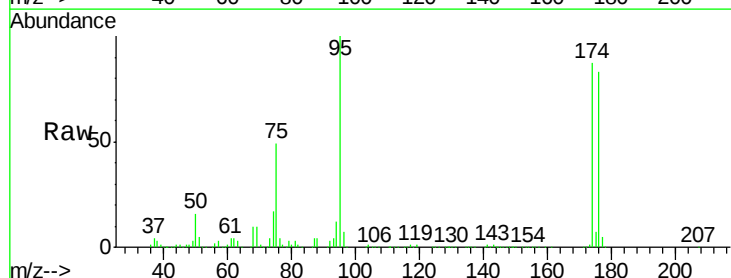
Tgt Ion: 95 Resp: 215810

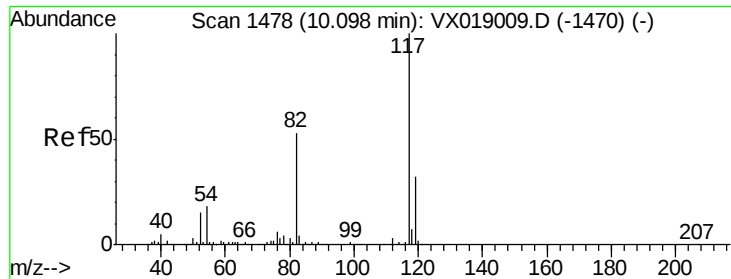
Ion Ratio Lower Upper

95 100

174 83.5 0.0 167.6

176 81.2 0.0 165.2





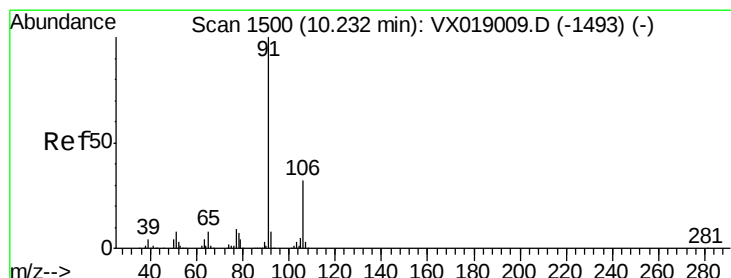
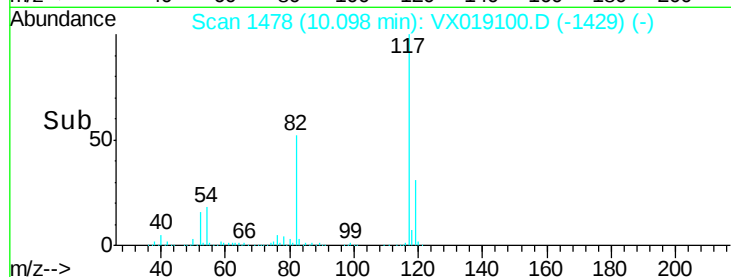
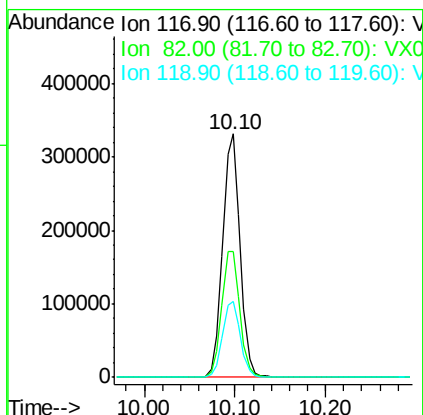
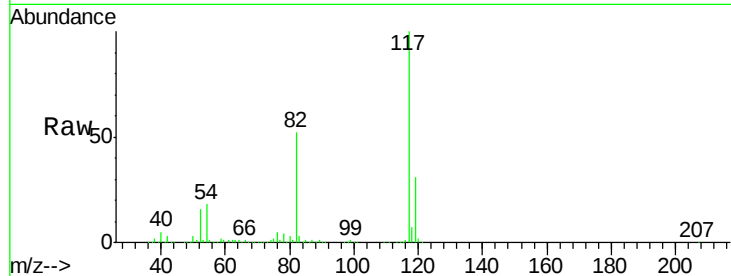
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019100.D
Acq: 24 Oct 2020 02:37

Instrument :
MSVOA_X
ClientSampled :
MW-10DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.4	63.6
119	31.4	25.6	38.4

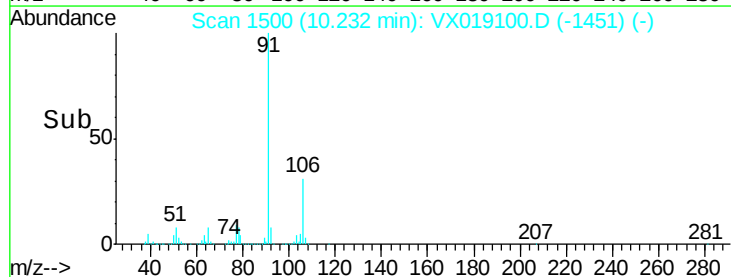
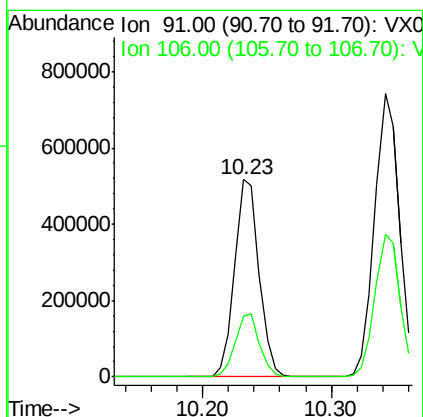
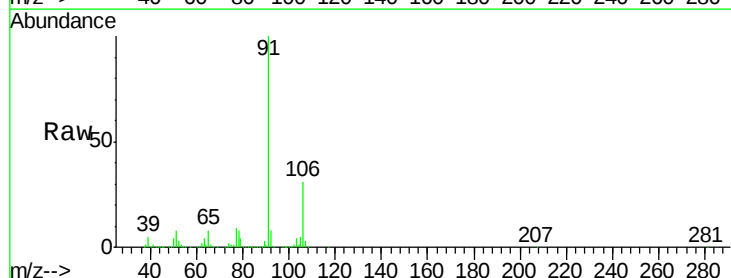
Manual Integrations
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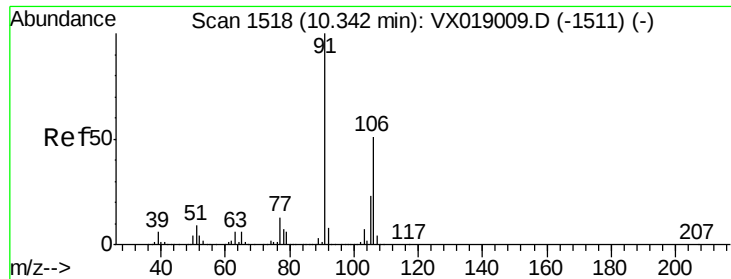
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10/26/2020 10:02:55 AM



#67
Ethyl Benzene
Concen: 42.510 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019100.D
Acq: 24 Oct 2020 02:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.3	37.9





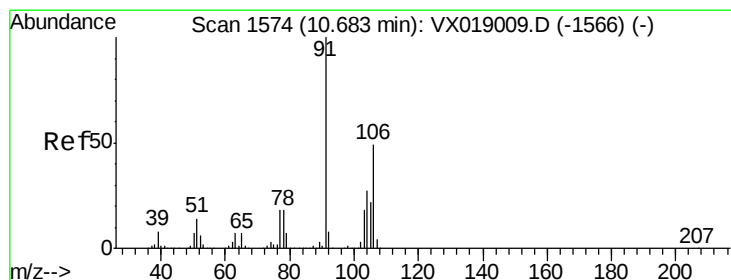
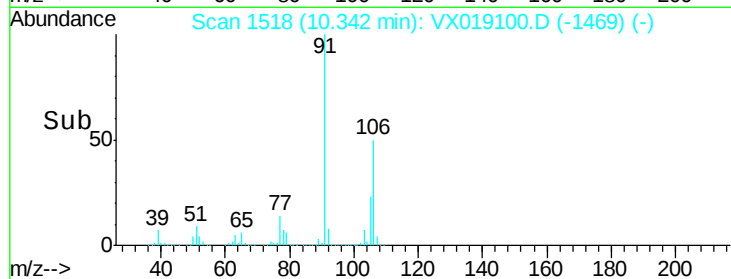
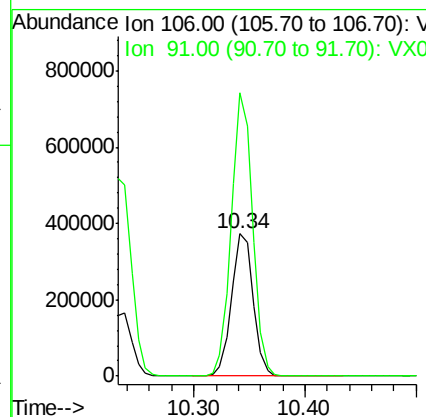
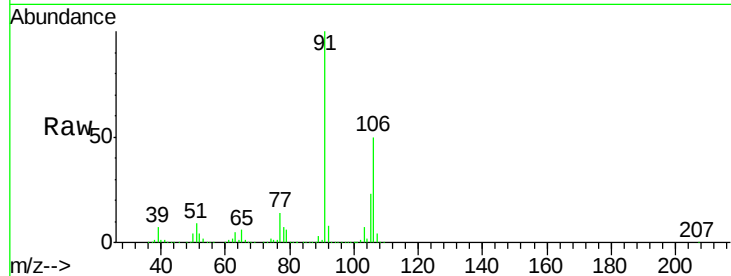
#68
m/p-Xylenes
Concen: 80.352 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019100.D
Acq: 24 Oct 2020 02:37

Instrument :
MSVOA_X
ClientSampleId :
MW-10DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		499235		
91	196.6	156.9	235.3		

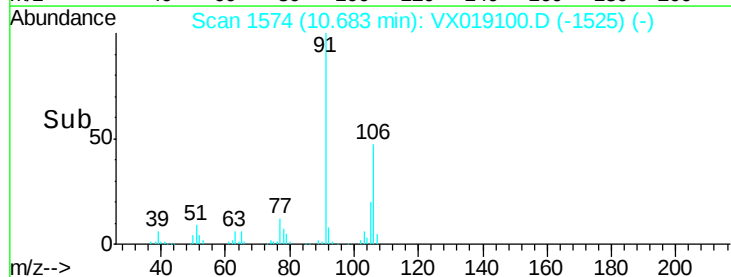
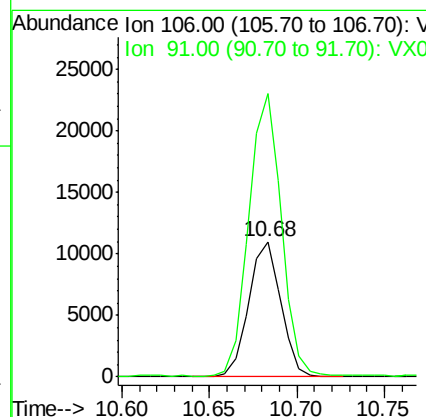
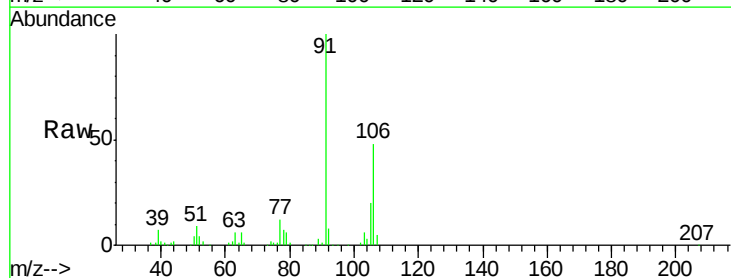
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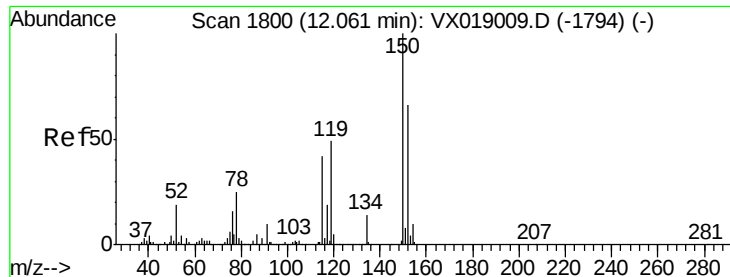
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#69
o-Xylene
Concen: 2.378 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019100.D
Acq: 24 Oct 2020 02:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		14142		
91	213.8	104.0	312.0		





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019100.D

Acq: 24 Oct 2020 02:37

Instrument :

MSVOA_X

ClientSampleId :

MW-10DL

Tot Ion:152 Resp: 237200

Ion Ratio Lower Upper

152 100

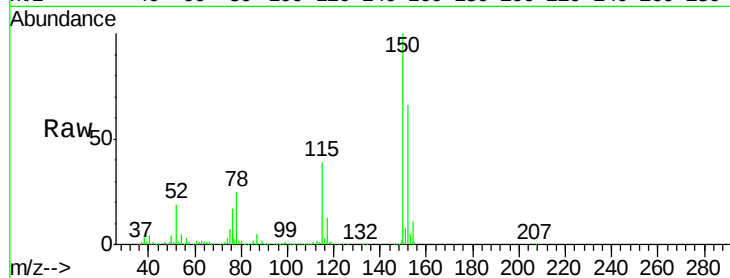
115 58.2 40.8 122.5

150 158.0 0.0 345.6

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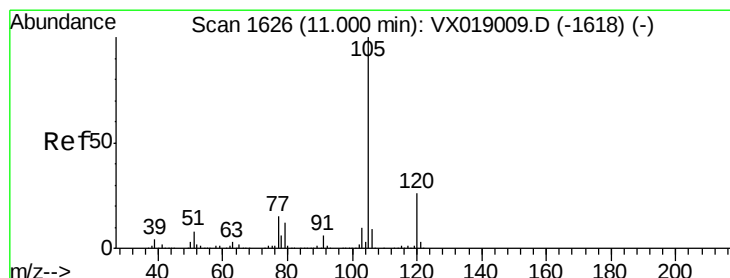
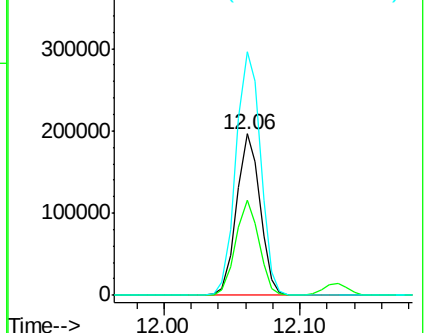
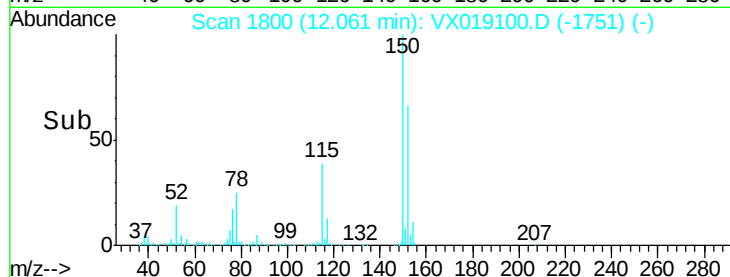
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 33.268 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019100.D

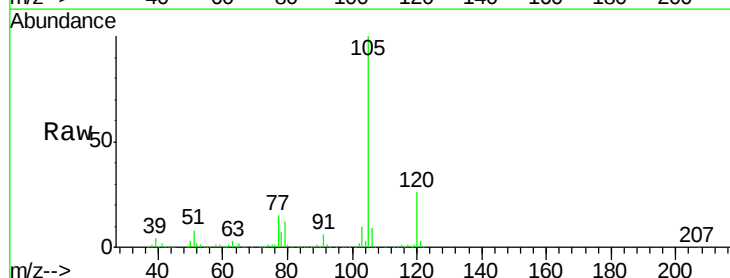
Acq: 24 Oct 2020 02:37

Tgt Ion:105 Resp: 567681

Ion Ratio Lower Upper

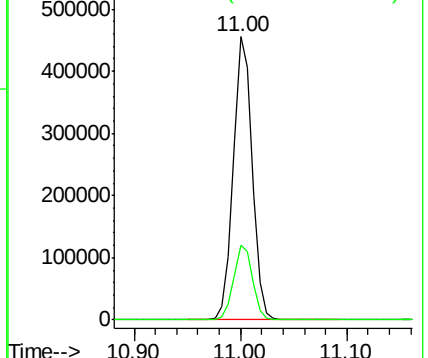
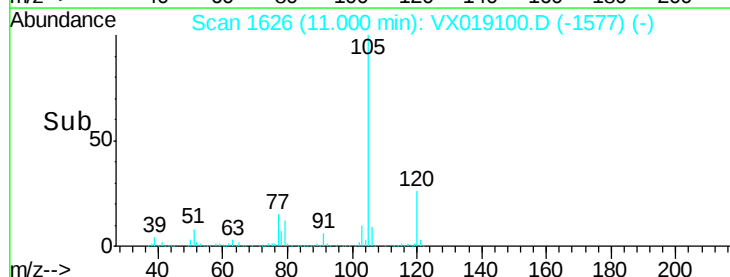
105 100

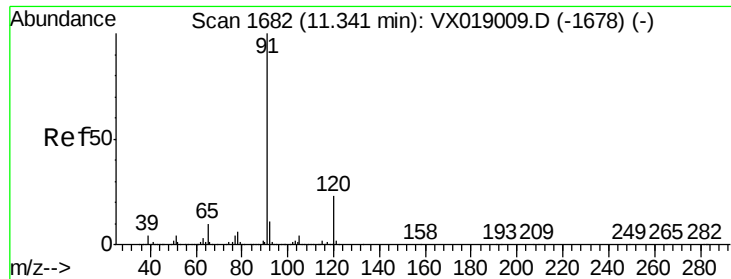
120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 35.726 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019100.D

Acq: 24 Oct 2020 02:37

Instrument :

MSVOA_X

ClientSampleId :

MW-10DL

Tot Ion: 91 Resp: 690778

Ion Ratio Lower Upper

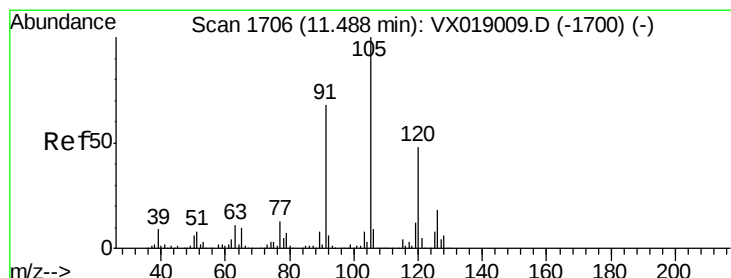
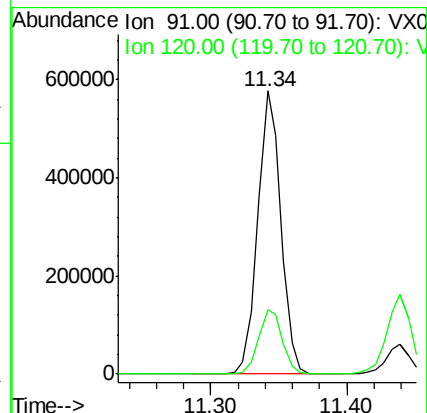
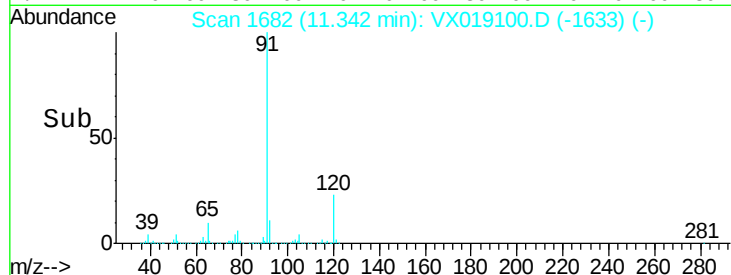
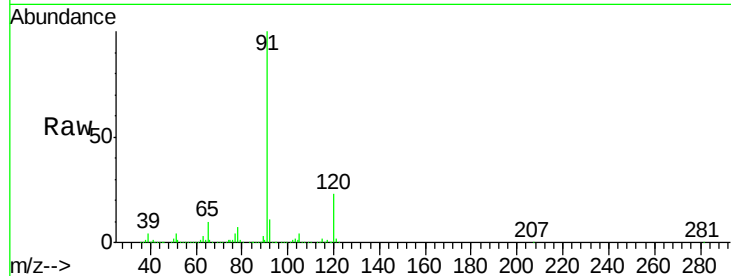
91 100

120 23.4 12.1 36.3

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#80

1,3,5-Trimethylbenzene

Concen: 44.786 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019100.D

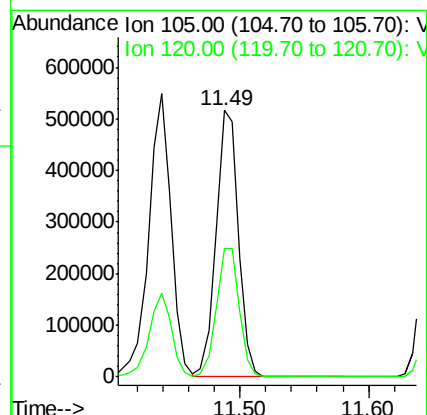
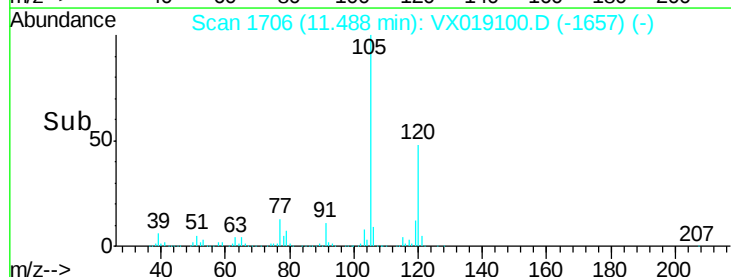
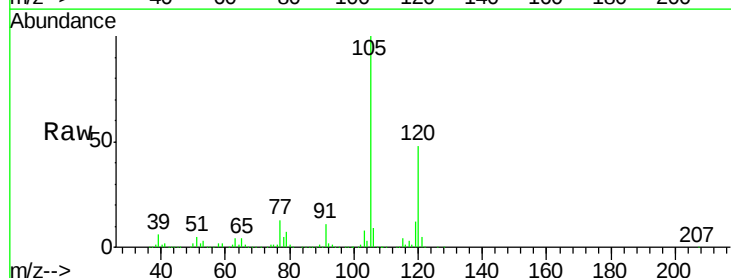
Acq: 24 Oct 2020 02:37

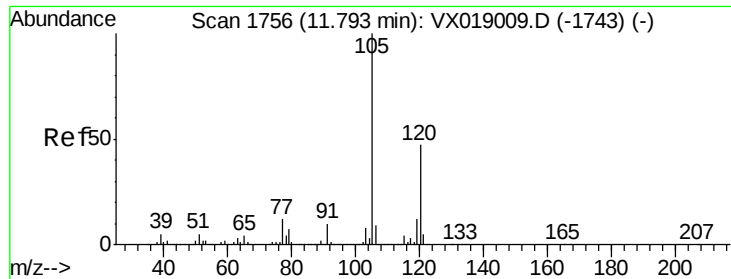
Tgt Ion: 105 Resp: 631073

Ion Ratio Lower Upper

105 100

120 49.6 25.2 75.6





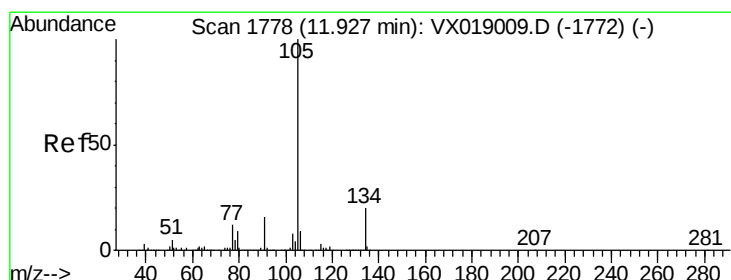
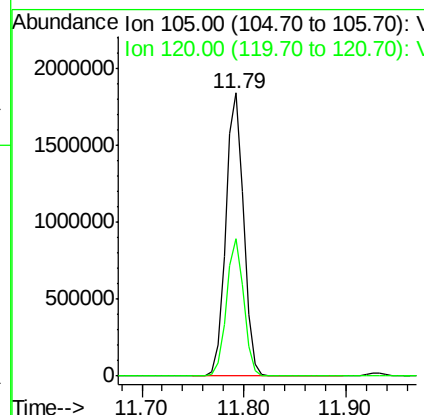
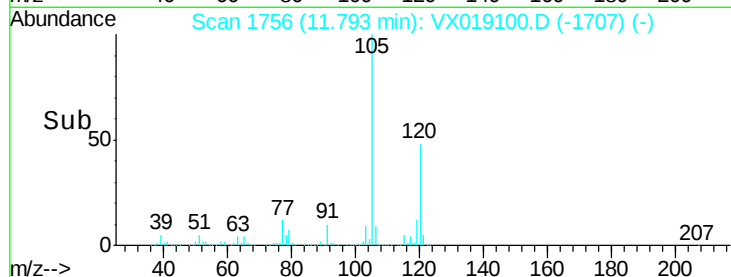
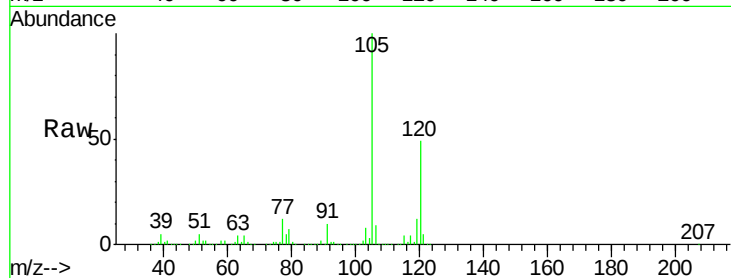
#84
 1,2,4-Trimethylbenzene
 Concen: 158.596 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX019100.D
 Acq: 24 Oct 2020 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10DL

Tot Ion:105 Resp: 2237762
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.9 68.8

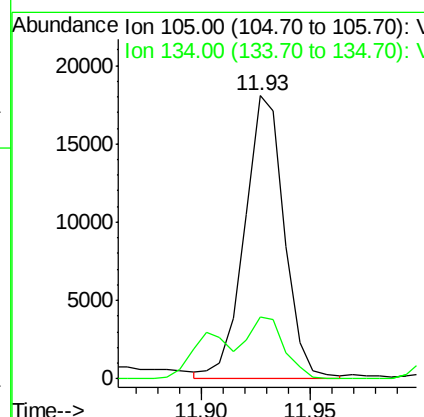
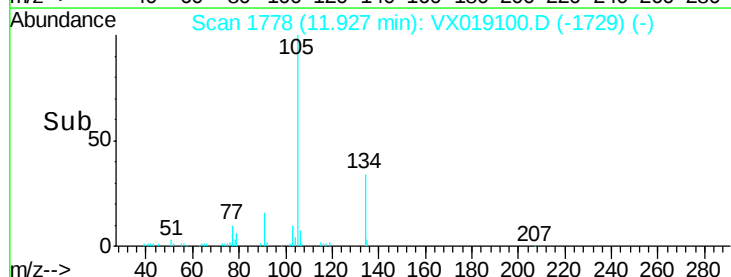
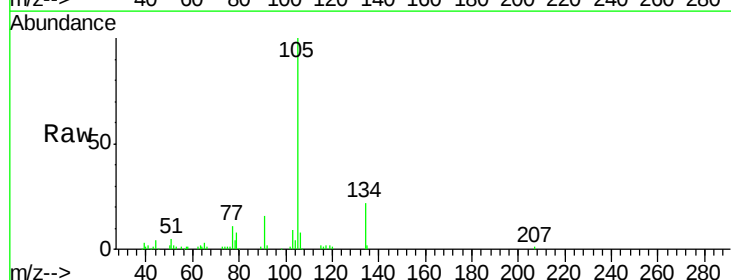
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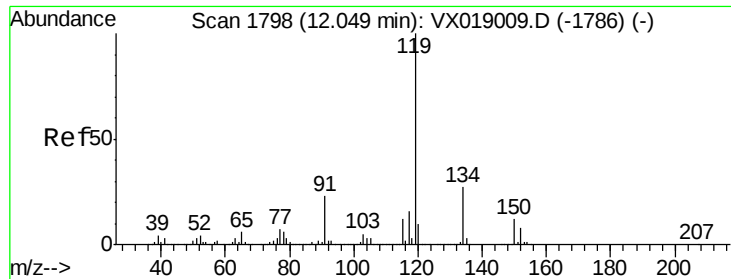
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#85
 sec-Butylbenzene
 Concen: 1.367 ug/l m
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX019100.D
 Acq: 24 Oct 2020 02:37

Tgt Ion:105 Resp: 22957
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#





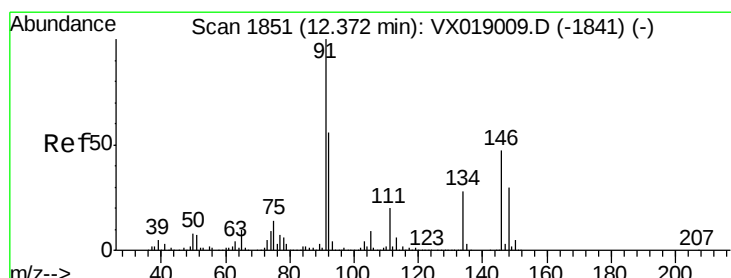
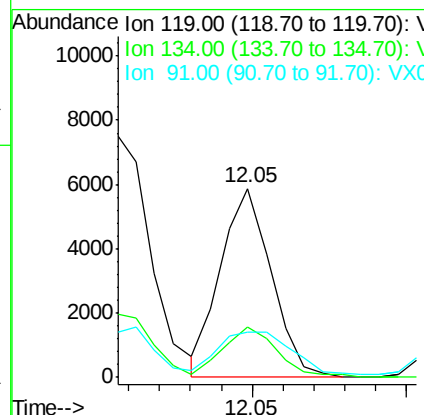
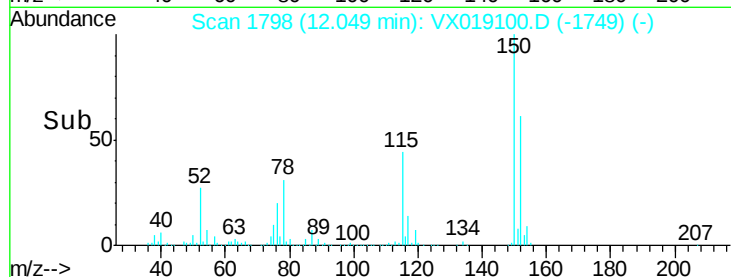
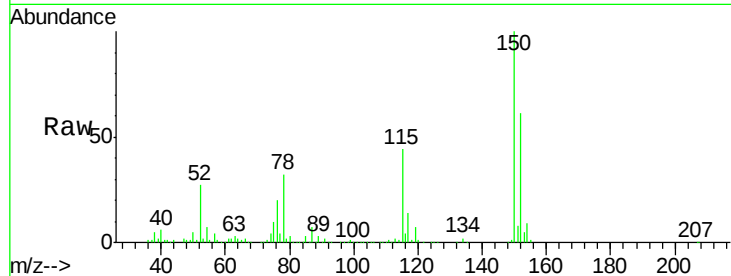
#86
p-Isopropyltoluene
Concen: 0.439 ug/l m
RT: 12.05 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VX019100.D
Acq: 24 Oct 2020 02:37

Instrument :
MSVOA_X
ClientSampled :
MW-10DL

Tot Ion	Ratio	Lower	Upper
119	100		
134	35.7	13.3	39.8
91	0.0	11.4	34.2#

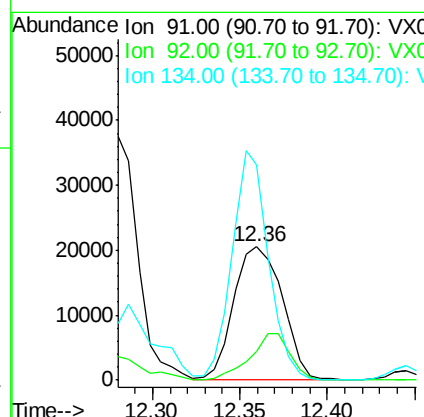
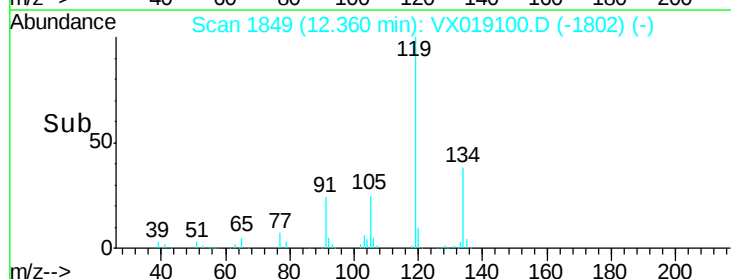
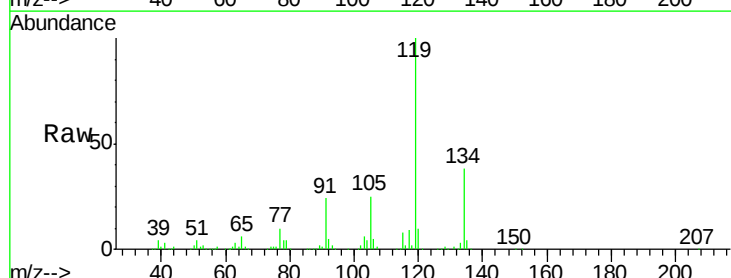
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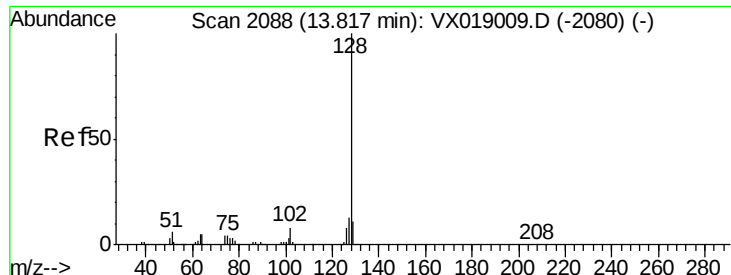
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#89
n-Butylbenzene
Concen: 2.803 ug/l
RT: 12.36 min Scan# 1849
Delta R.T. -0.01 min
Lab File: VX019100.D
Acq: 24 Oct 2020 02:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	29.2	27.3	81.9
134	130.0	13.6	40.7#





#95
Naphthalene
Concen: 16.725 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019100.D
Acq: 24 Oct 2020 02:37

Instrument :
MSVOA_X
ClientSampleId :
MW-10DL

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.9	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

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10/26/2020 10:02:55 AM

