

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013533.D
 Acq On : 22 Nov 2019 15:12
 Operator : JC/SP
 Sample : K5804-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-58-1SDL

Manual Integrations
 APPROVED

MMDadoda
 11/25/2019 10:40:06 AM

Quant Time: Nov 22 15:39:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	109107	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	626593	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	548538	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.06	65	240200	29.81	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery =	99.37%		
60) 4-Bromofluorobenzene	11.13	95	263478	29.88	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery =	99.60%		
63) Toluene-d8	8.71	98	746889	30.11	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery =	100.37%		
Target Compounds						
26) Cyclohexane	5.57	56	66612	5.641	ug/l #	92
38) Methylcyclohexane	7.46	83	104389	8.896	ug/l	90
66) Ethyl Benzene	10.25	91	4174065	124.351	ug/l	99
67) m/p-Xylenes	10.36	106	1526727	117.909	ug/l	99
68) o-Xylene	10.70	106	68589	5.489	ug/l	100
70) Isopropylbenzene	11.01	105	541853	16.456	ug/l	100
74) n-propylbenzene	11.35	91	1609008	42.998	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	1741532	62.923	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	1914638	69.419	ug/l	100
81) sec-Butylbenzene	11.94	105	75607	2.373	ug/l	95
82) p-Isopropyltoluene	12.06	119	39996	1.362	ug/l	98
85) n-Butylbenzene	12.37	91	176130m	6.952	ug/l	
91) Naphthalene	13.83	128	1958747	58.774	ug/l	100

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

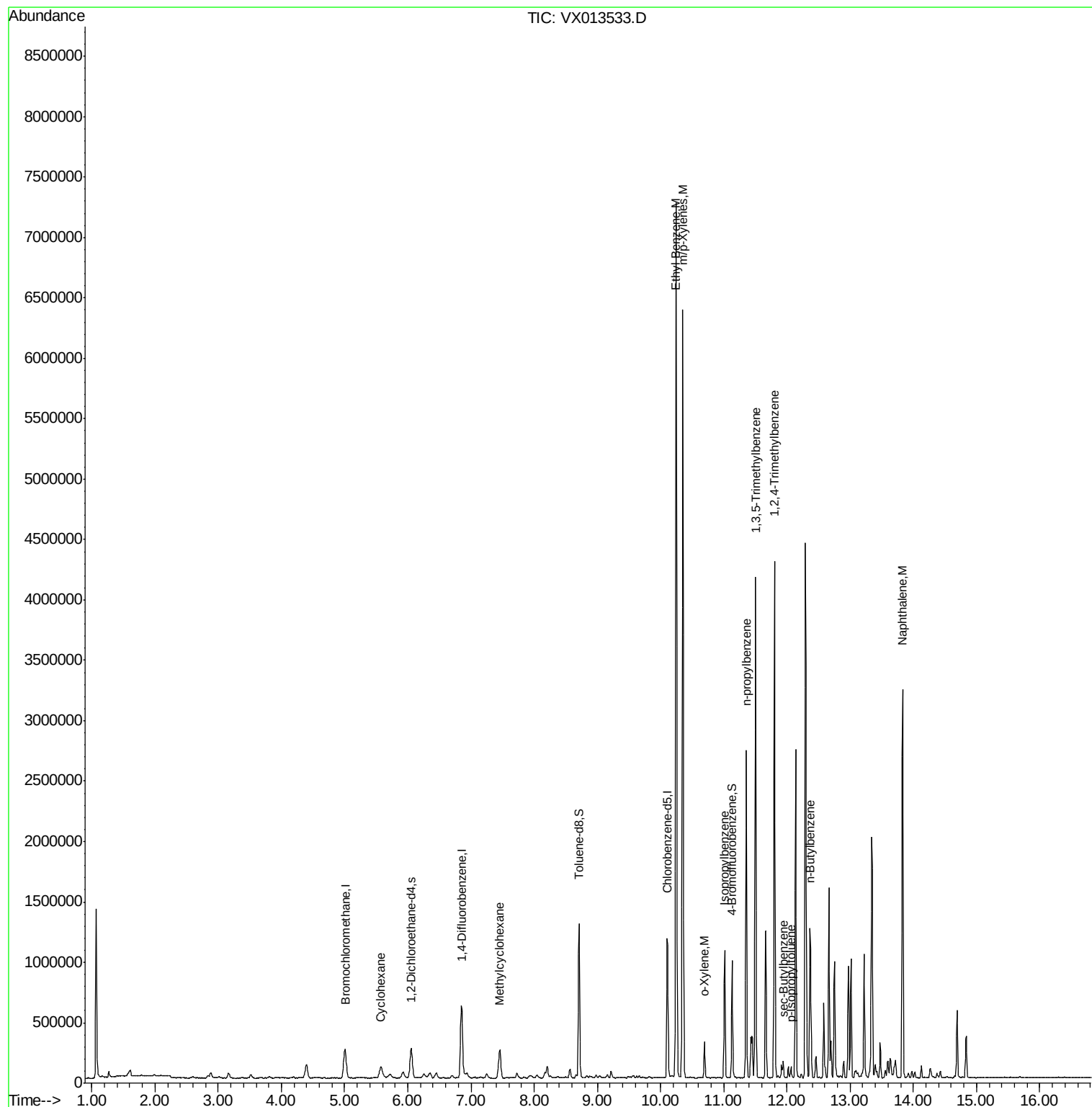
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112219\
Data File : VX013533.D
Acq On : 22 Nov 2019 15:12
Operator : JC/SP
Sample : K5804-01DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

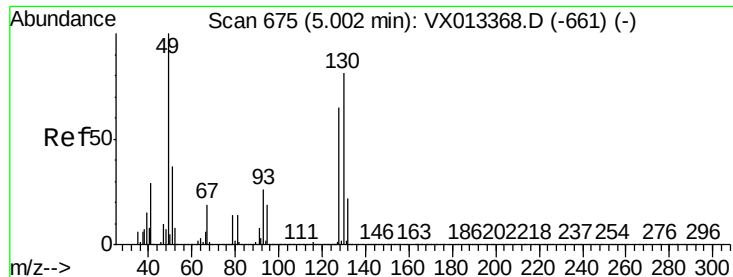
Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1SDL

Manual Integrations
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11/25/2019 10:40:06 AM

Quant Time: Nov 22 15:39:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013533.D

Acq: 22 Nov 2019 15:12

Instrument :

MSVOA_X

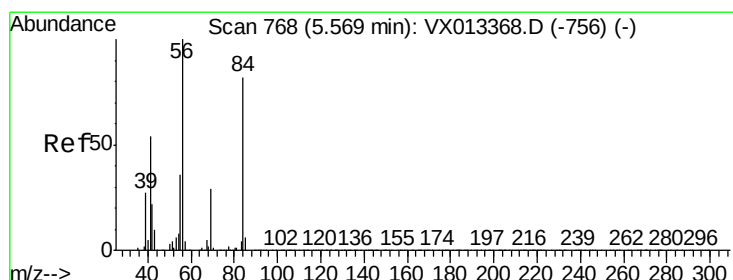
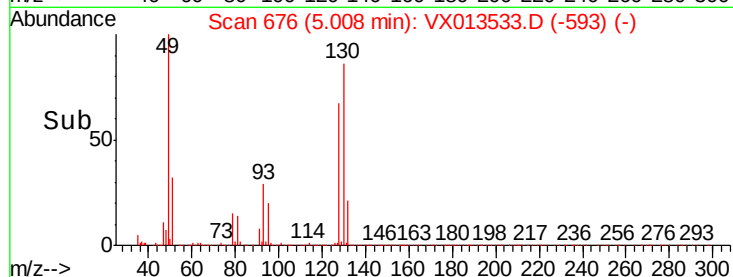
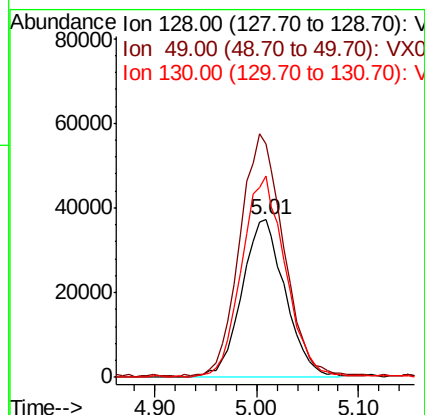
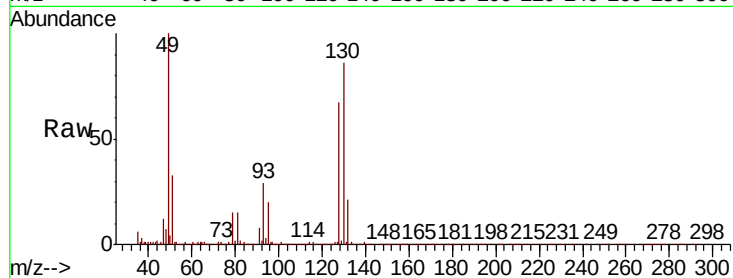
ClientSampleId :

GE-MW-58-1SDL

Tot Ion:	128	Resp:	109107
Ion Ratio	Lower	Upper	
128	100		
49	159.2	0.0	388.3
130	129.0	0.0	318.5

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#26

Cyclohexane

Concen: 5.641 ug/l

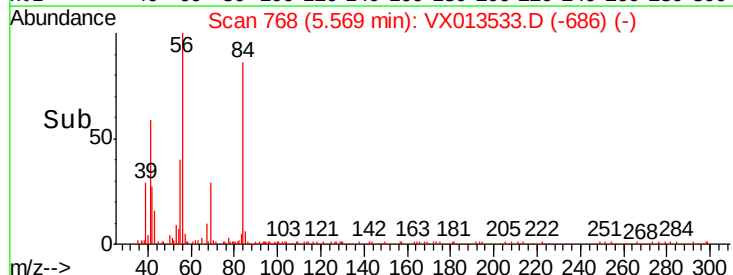
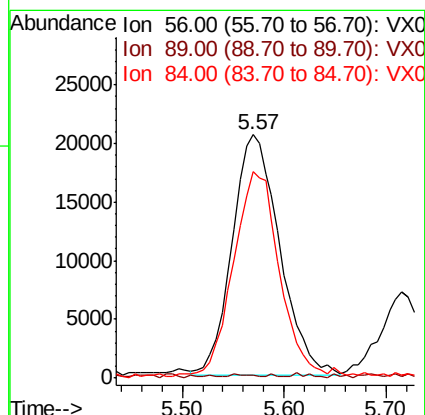
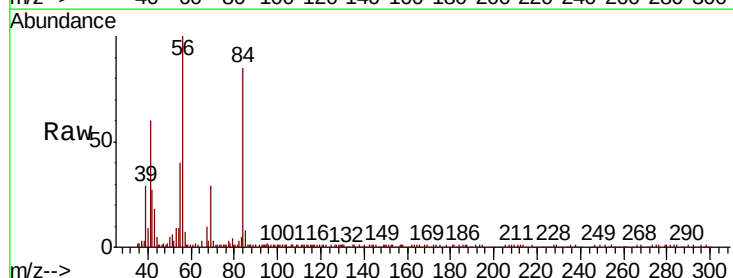
RT: 5.57 min Scan# 768

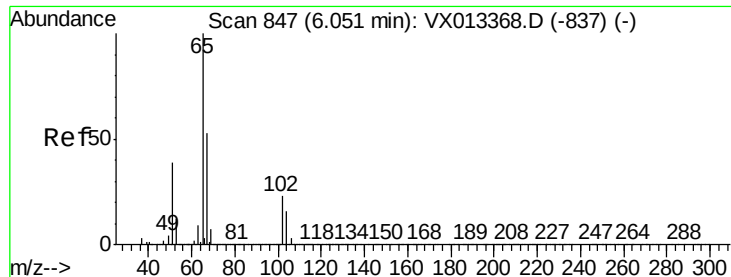
Delta R.T. 0.00 min

Lab File: VX013533.D

Acq: 22 Nov 2019 15:12

Tgt Ion:	56	Resp:	66612
Ion Ratio	Lower	Upper	
56	100		
89	0.2	0.0	0.0#
84	80.7	70.5	105.7





#27

1,2-Dichloroethane-d4

Concen: 29.814 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013533.D

Acq: 22 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-58-1SDL

Tot Ion: 65 Resp: 240200

Ion Ratio Lower Upper

65 100

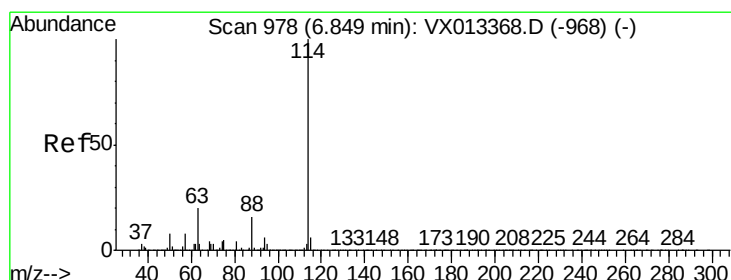
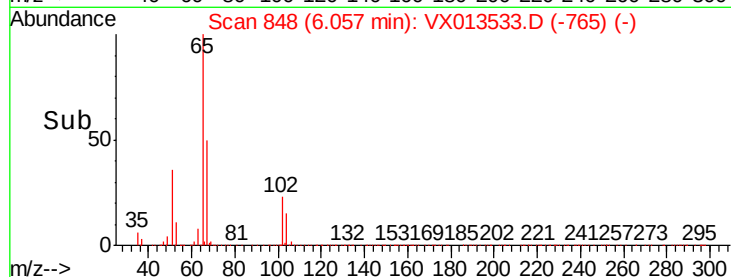
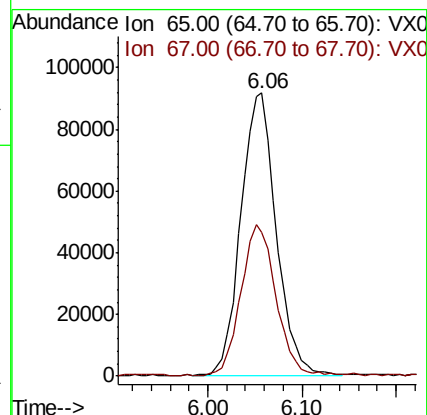
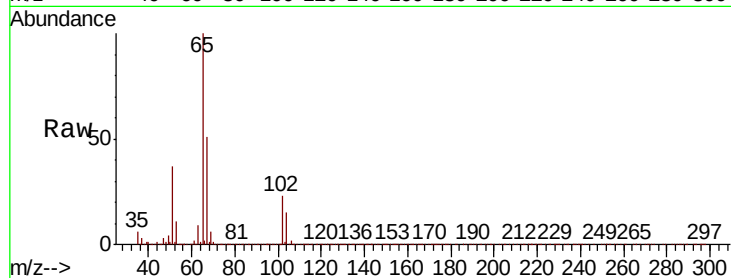
67 52.4 41.0 61.6

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013533.D

Acq: 22 Nov 2019 15:12

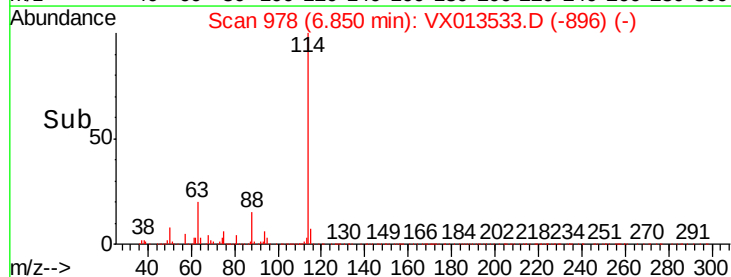
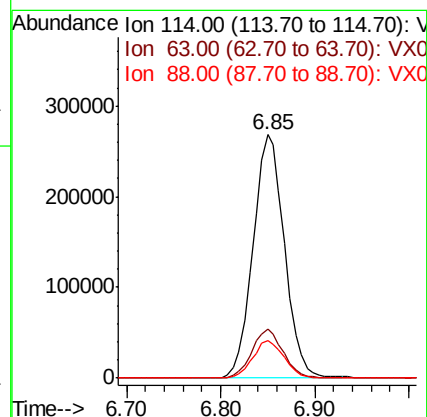
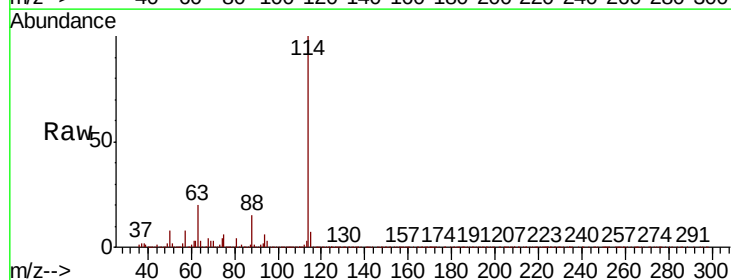
Tgt Ion: 114 Resp: 626593

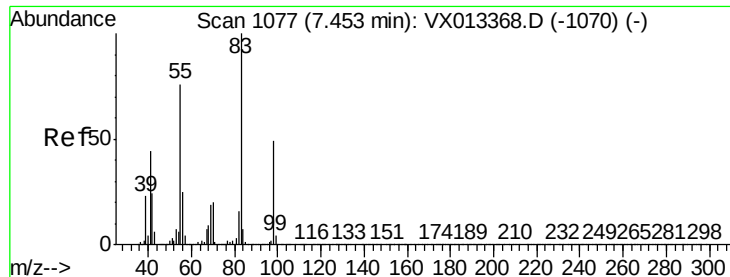
Ion Ratio Lower Upper

114 100

63 19.8 16.1 24.1

88 15.6 12.3 18.5





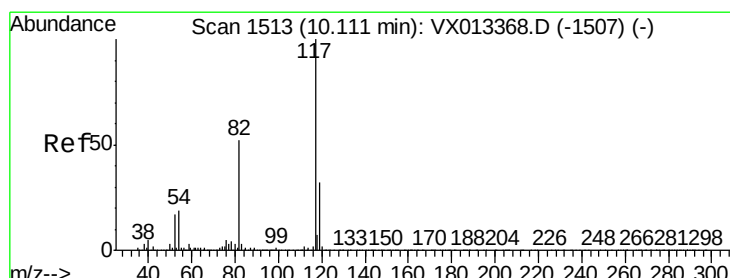
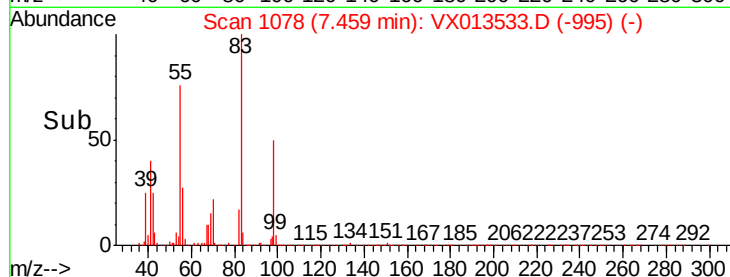
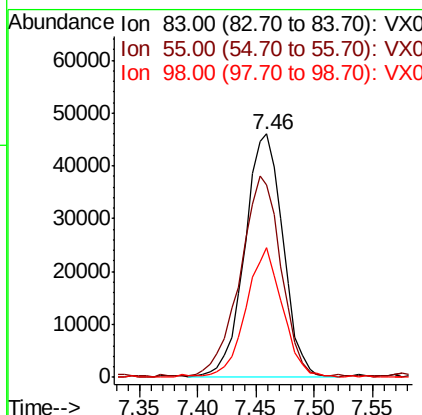
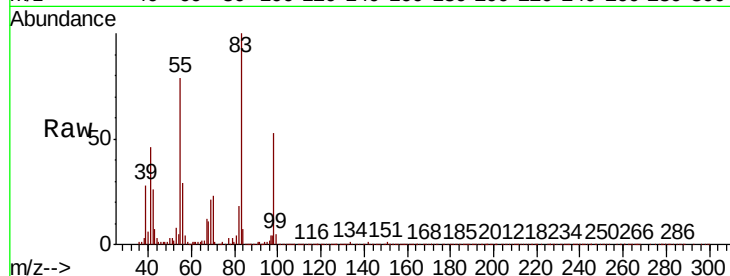
#38
Methylvlcyclohexane
Concen: 8.896 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1SDL

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.3	37.9	113.7
98	51.5	25.1	75.3

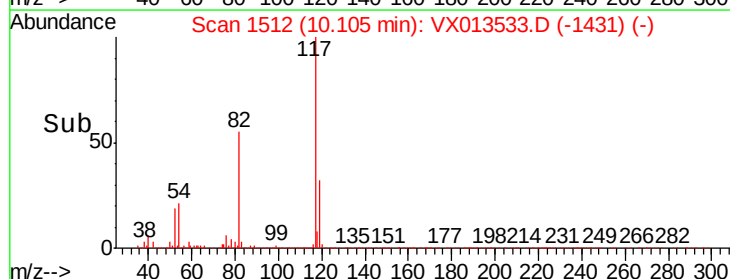
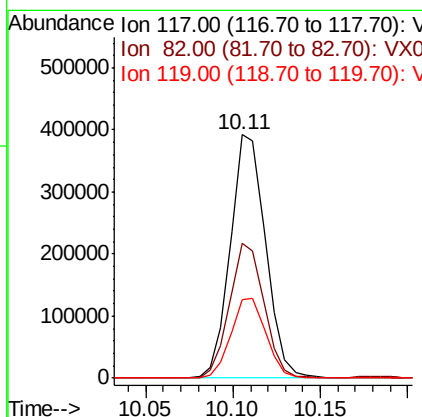
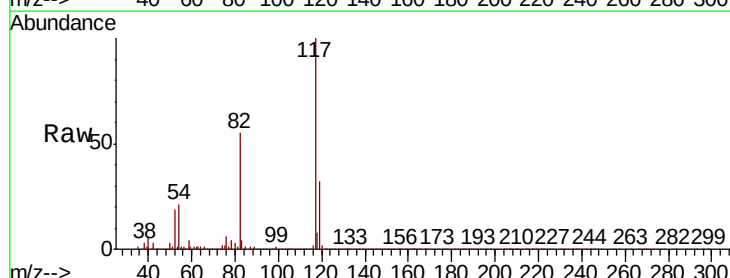
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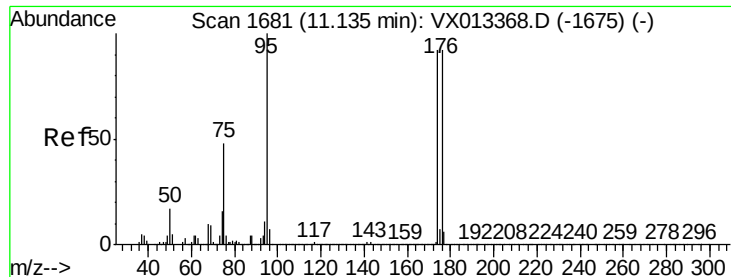
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#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.7	65.5
119	32.9	25.5	38.3





#60

4-Bromofluorobenzene

Concen: 29.885 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013533.D

Acq: 22 Nov 2019 15:12

Instrument :

MSVOA_X

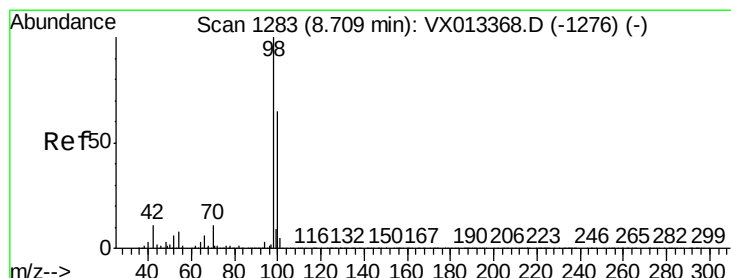
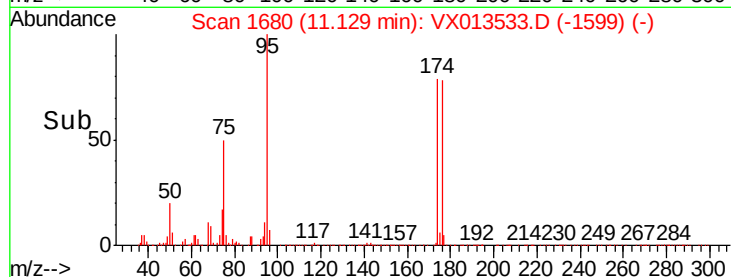
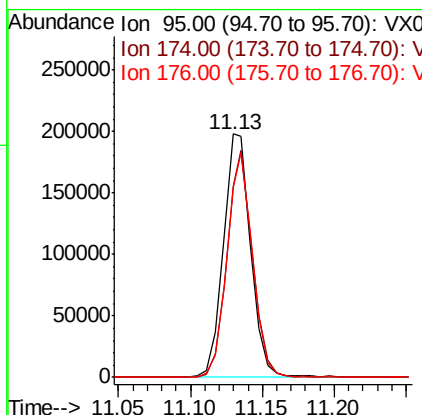
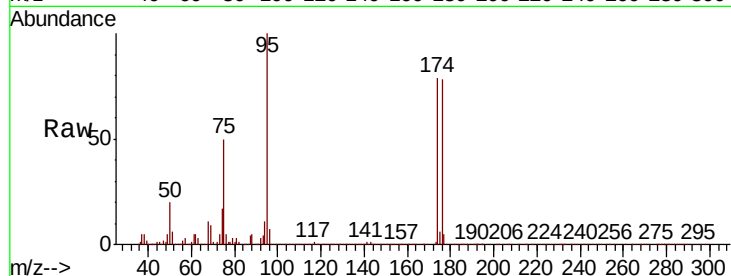
ClientSampleId :

GE-MW-58-1SDL

Tot Ion:	95	Resp:	263478
Ion Ratio	Lower	Upper	
95	100		
174	86.6	70.2	105.2
176	86.1	68.3	102.5

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#63

Toluene-d8

Concen: 30.111 ug/l

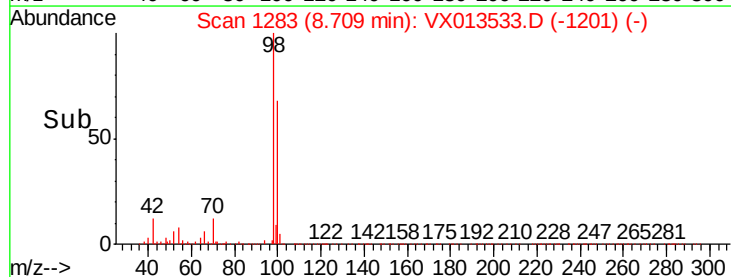
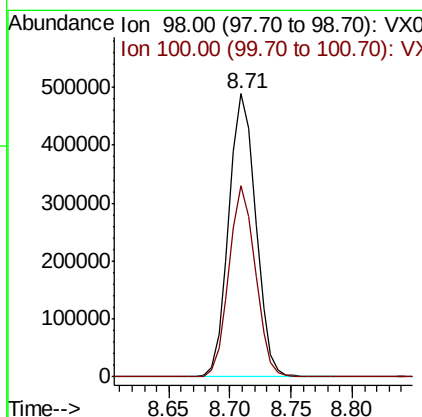
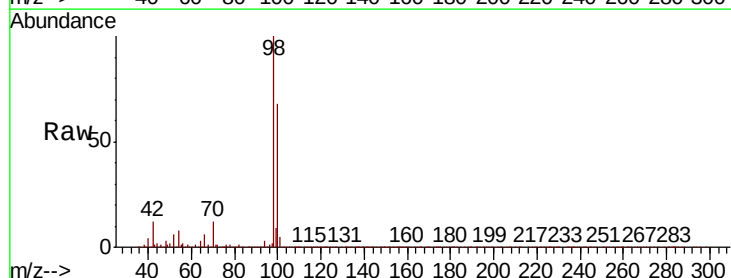
RT: 8.71 min Scan# 1283

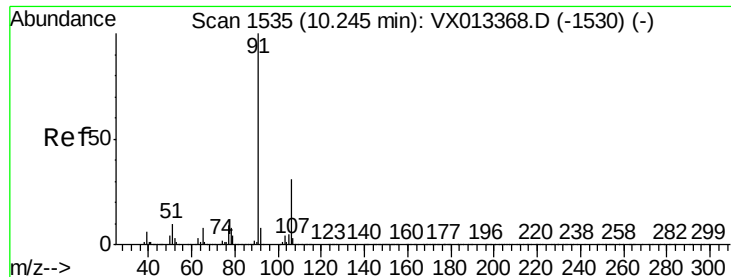
Delta R.T. 0.00 min

Lab File: VX013533.D

Acq: 22 Nov 2019 15:12

Tgt Ion:	98	Resp:	746889
Ion Ratio	Lower	Upper	
98	100		
100	66.0	52.5	78.7





#66

Ethyl Benzene

Concen: 124.351 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013533.D

Acq: 22 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-58-1SDL

Tot Ion: 91 Resp: 4174065

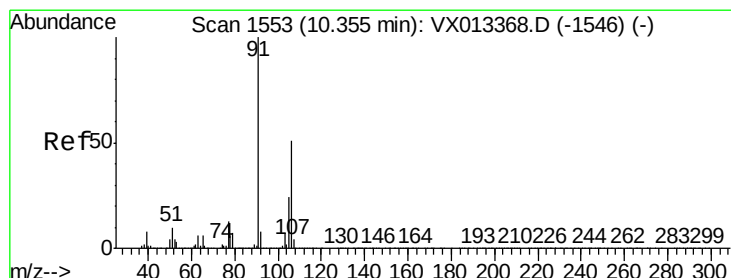
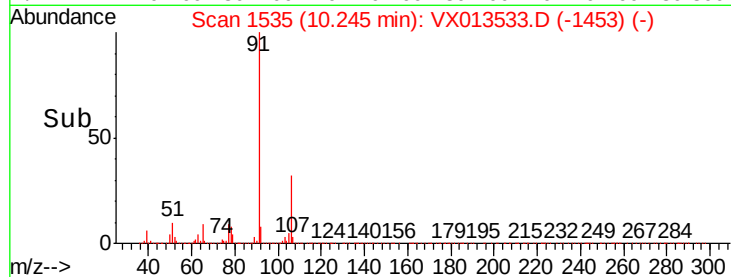
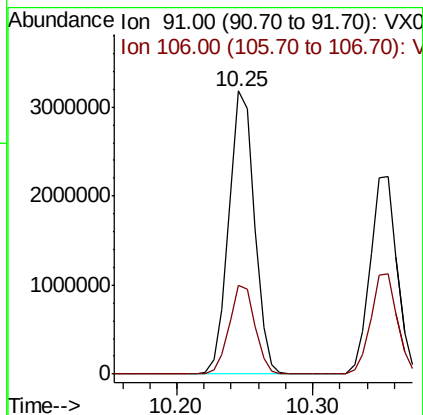
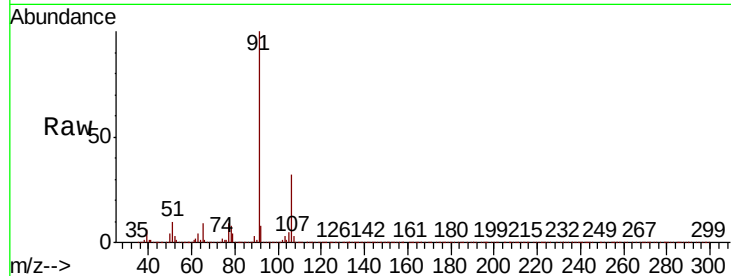
Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.4

Manual Integrations
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#67

m/p-Xylenes

Concen: 117.909 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013533.D

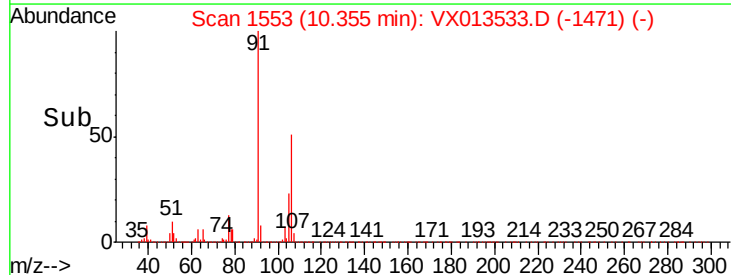
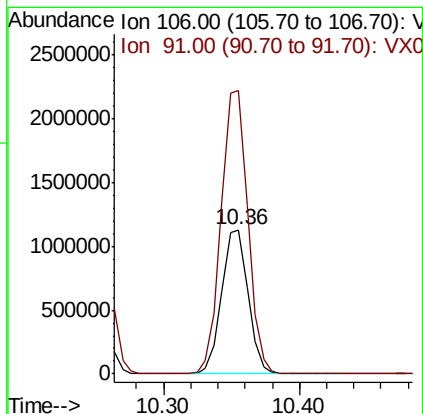
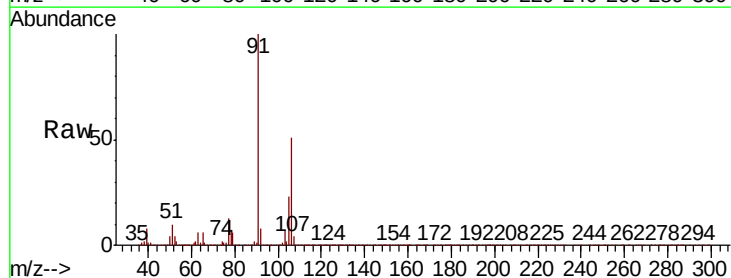
Acq: 22 Nov 2019 15:12

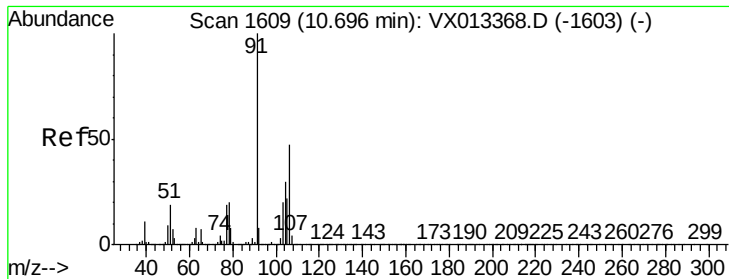
Tgt Ion: 106 Resp: 1526727

Ion Ratio Lower Upper

106 100

91 198.9 158.4 237.6





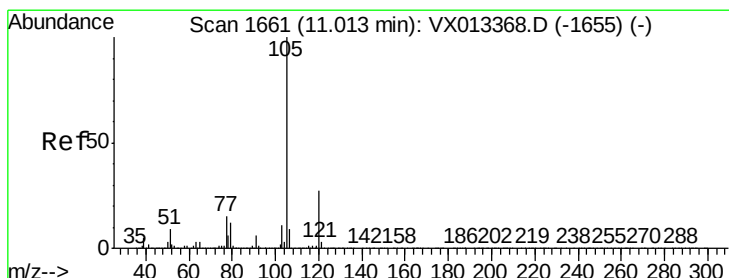
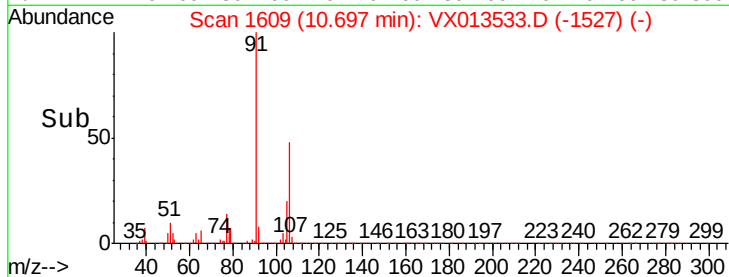
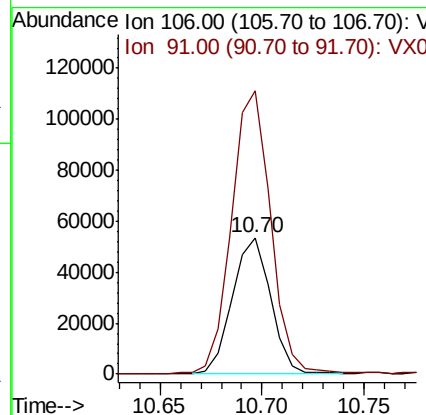
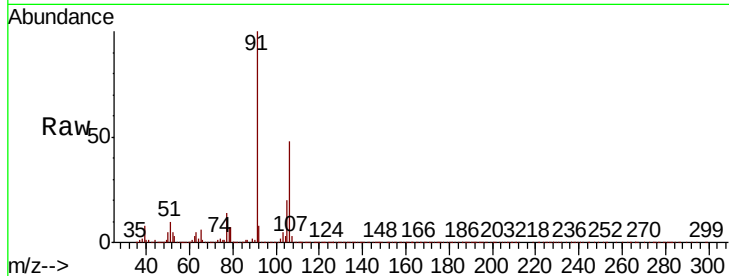
#68
o-Xylene
Concen: 5.489 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1SDL

Tot Ion:106 Resp: 68589
Ion Ratio Lower Upper
106 100
91 213.5 106.4 319.2

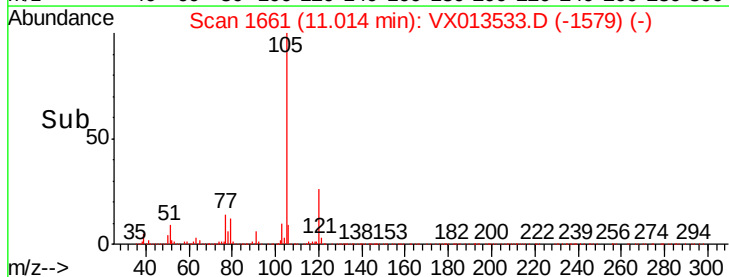
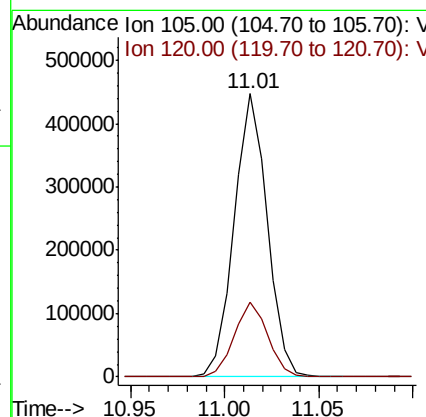
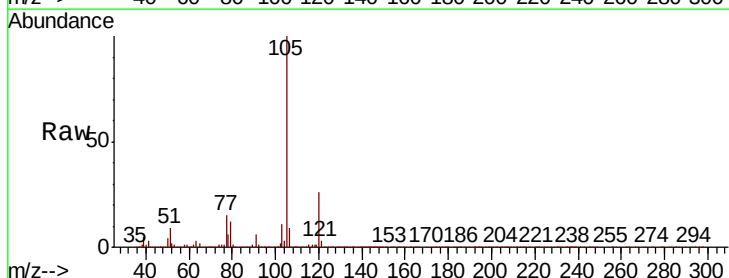
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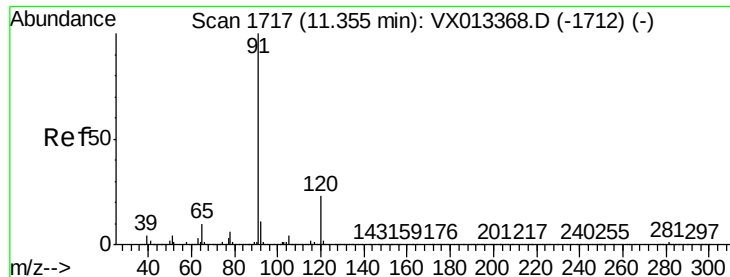
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11/25/2019 10:40:06 AM



#70
Isopropylbenzene
Concen: 16.456 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

Tgt Ion:105 Resp: 541853
Ion Ratio Lower Upper
105 100
120 26.7 18.8 34.8





#74

n-propylbenzene

Concen: 42.998 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013533.D

Acq: 22 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-58-1SDL

Tot Ion: 91 Resp: 1609008

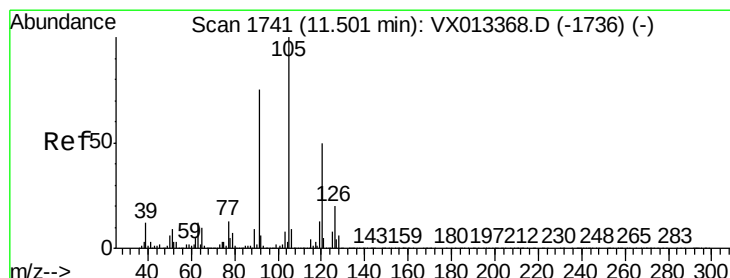
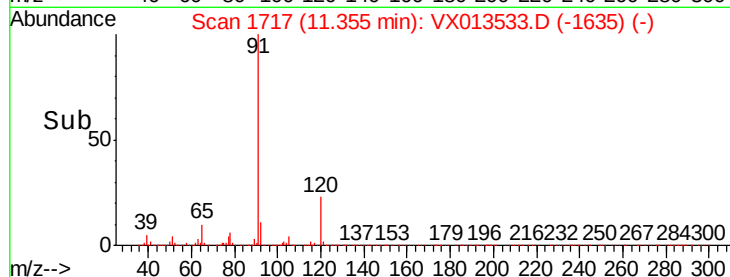
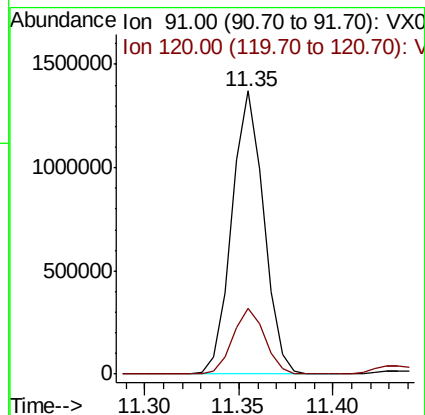
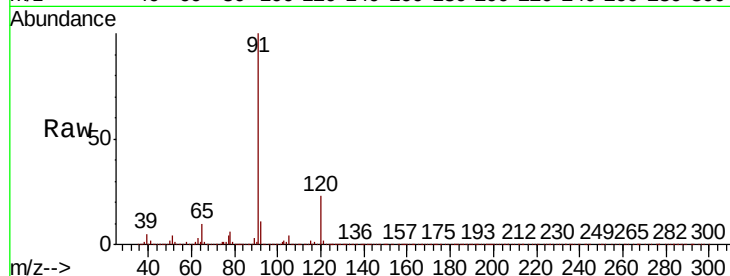
Ion Ratio Lower Upper

91 100

120 23.1 0.0 46.2

Manual Integrations
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11/25/2019 10:40:06 AM



#76

1,3,5-Trimethylbenzene

Concen: 62.923 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013533.D

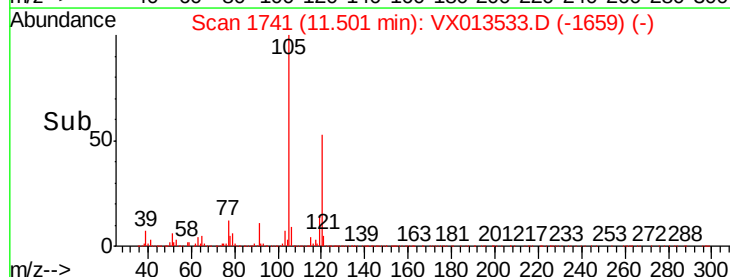
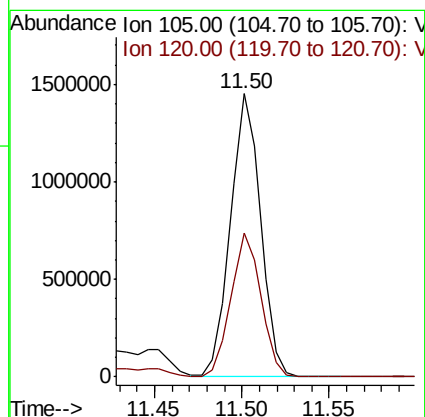
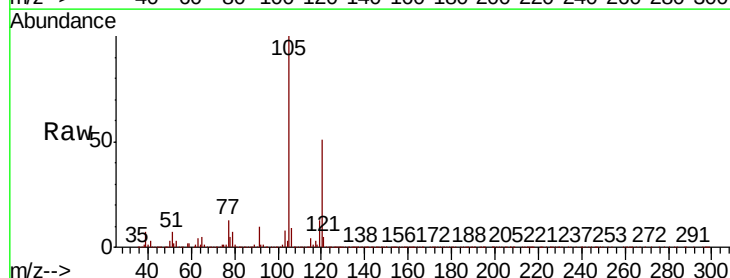
Acq: 22 Nov 2019 15:12

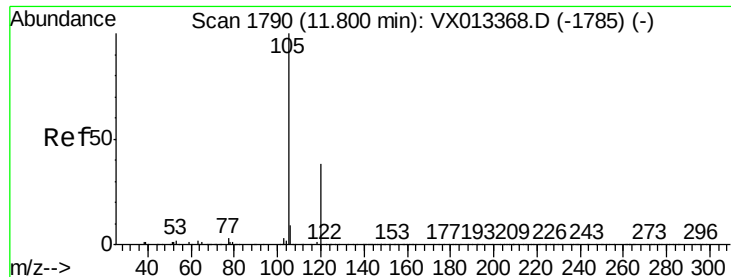
Tgt Ion: 105 Resp: 1741532

Ion Ratio Lower Upper

105 100

120 50.4 0.0 100.0





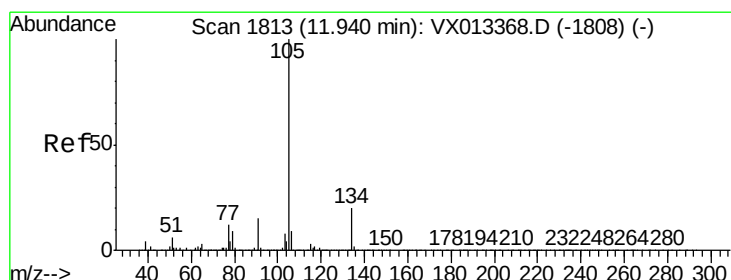
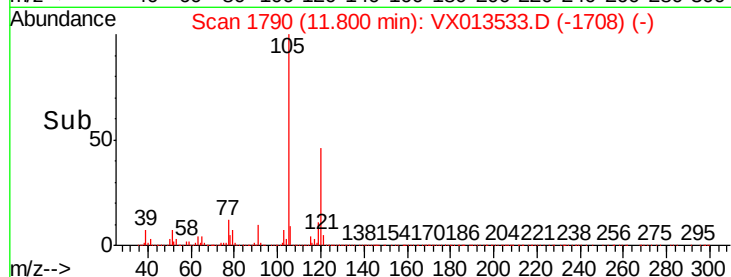
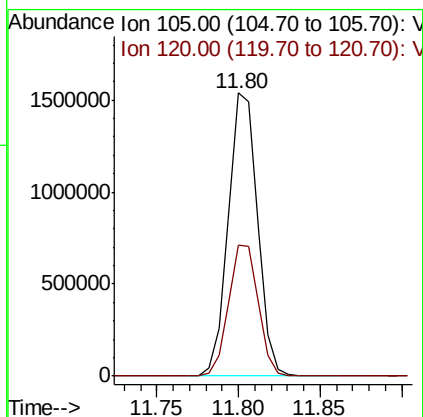
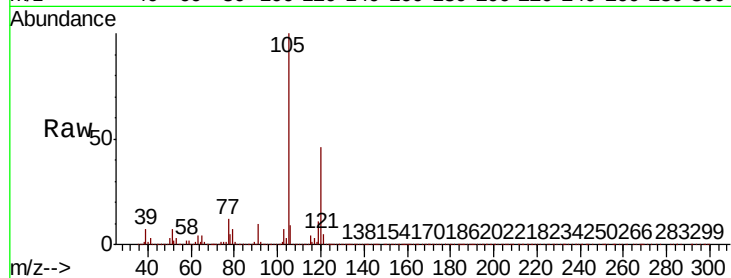
#80
1,2,4-Trimethylbenzene
Concen: 69.419 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1SDL

Tot Ion:105 Resp: 1914638
Ion Ratio Lower Upper
105 100
120 46.8 0.0 94.0

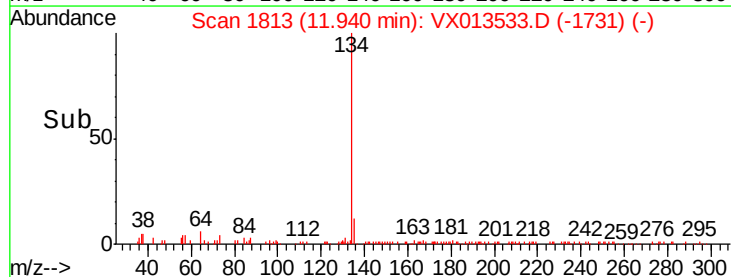
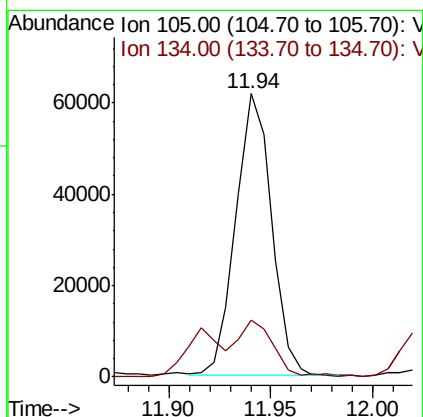
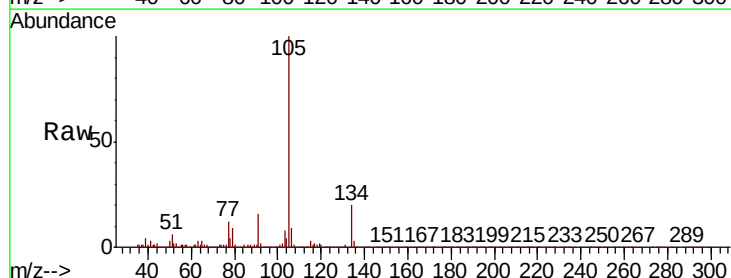
Manual Integrations
APPROVED

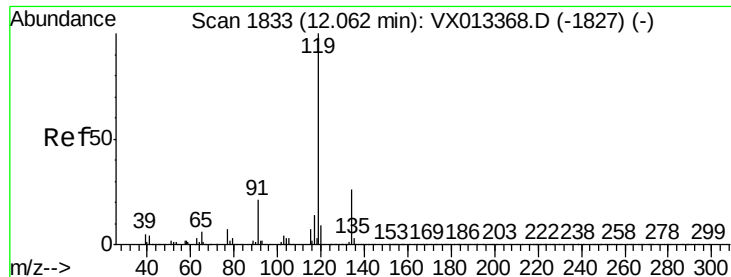
MMDadoda
11/25/2019 10:40:06 AM



#81
sec-Butylbenzene
Concen: 2.373 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

Tgt Ion:105 Resp: 75607
Ion Ratio Lower Upper
105 100
134 18.5 0.0 41.2





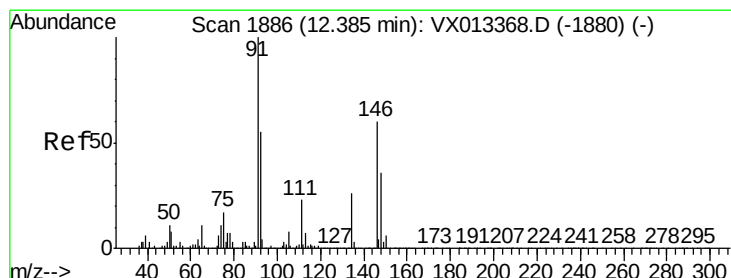
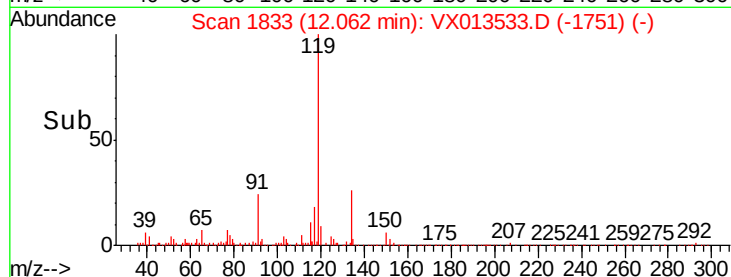
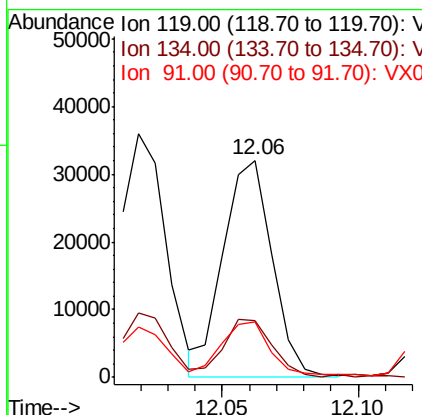
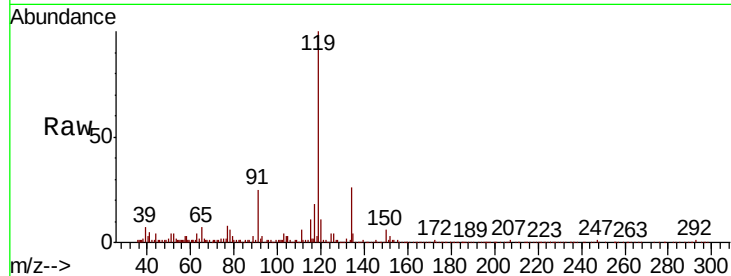
#82
 p-Isopropyltoluene
 Concen: 1.362 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX013533.D
 Acq: 22 Nov 2019 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-58-1SDL

Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	25.9	0.0	51.6
91	24.2	0.0	44.2

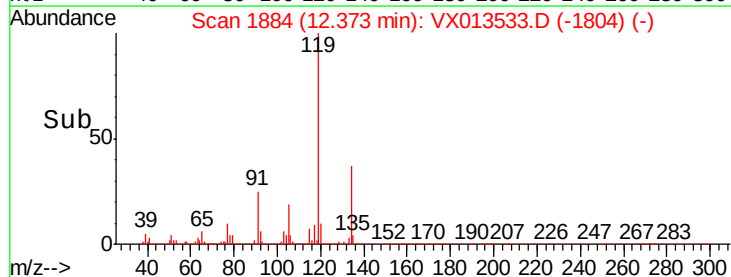
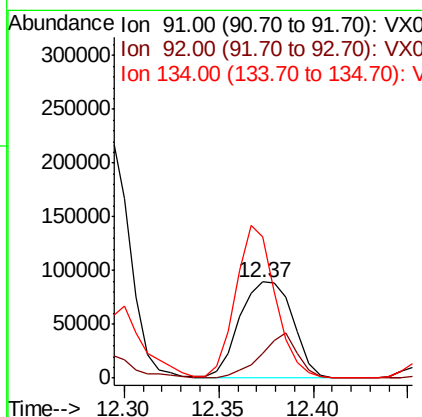
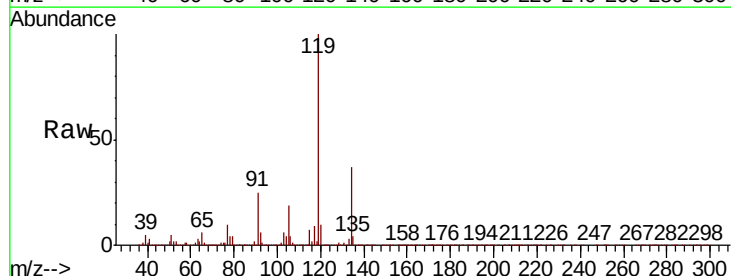
Manual Integrations
 APPROVED

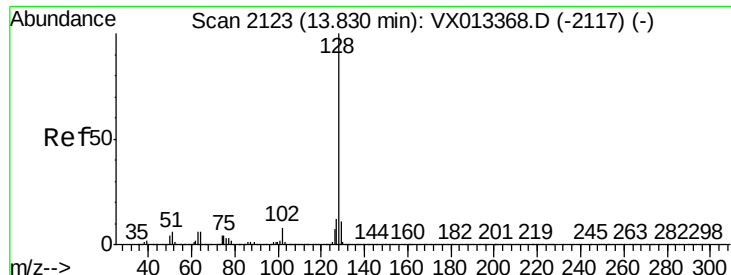
MMDadoda
 11/25/2019 10:40:06 AM



#85
 n-Butylbenzene
 Concen: 6.952 ug/l m
 RT: 12.37 min Scan# 1884
 Delta R.T. -0.01 min
 Lab File: VX013533.D
 Acq: 22 Nov 2019 15:12

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
92	18.0	0.0	109.0
134	52.5	0.0	53.0





#91
Naphthalene
Concen: 58.774 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1SDL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/25/2019 10:40:06 AM

