

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\
 Data File : VX013422.D
 Acq On : 14 Nov 2019 15:12
 Operator : JC/SP
 Sample : K5804-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
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 11/18/2019 3:07:48 PM

Quant Time: Nov 15 23:15:09 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	5.00	128	105665	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	601363	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	540508	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	225259	28.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.23%
60) 4-Bromofluorobenzene	11.14	95	265273	30.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.80%
63) Toluene-d8	8.71	98	733862	30.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.10%

Target Compounds

					Ovalue
4) Vinyl Chloride	1.40	62	22639	2.309	ug/l 94
22) cis-1,2-Dichloroethene	4.59	96	56559	7.113	ug/l 89
23) tert-Butyl Alcohol	3.03	59	10373	5.126	ug/l # 100
26) Cyclohexane	5.57	56	798191	69.797	ug/l # 95
34) Benzene	6.14	78	23173	0.832	ug/l # 93
35) Methacrylonitrile	5.06	41	6531	1.079	ug/l # 59
37) Trichloroethene	7.21	130	13567	1.818	ug/l 99
38) Methylcyclohexane	7.46	83	1295577	115.036	ug/l 91
62) Toluene	8.78	91	27608	0.917	ug/l 96
66) Ethyl Benzene	10.24	91	18669378m	564.446	ug/l
67) m/p-Xylenes	10.35	106	13487682m	1057.131	ug/l
68) o-Xylene	10.70	106	750704	60.967	ug/l 100
70) Isopropylbenzene	11.01	105	5856168	180.491	ug/l 99
74) n-propylbenzene	11.35	91	13159717	356.897	ug/l 82
76) 1,3,5-Trimethylbenzene	11.50	105	13515356	495.575	ug/l 77
79) tert-butylbenzene	11.77	119	13646	0.496	ug/l 82
80) 1,2,4-Trimethylbenzene	11.80	105	13602494	500.510	ug/l 70
81) sec-Butylbenzene	11.95	105	836908	26.658	ug/l 100
82) p-Isopropyltoluene	12.06	119	438472	15.159	ug/l 98
85) n-Butylbenzene	12.38	91	2036053m	81.558	ug/l
91) Naphthalene	13.82	128	15083340m	459.310	ug/l

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

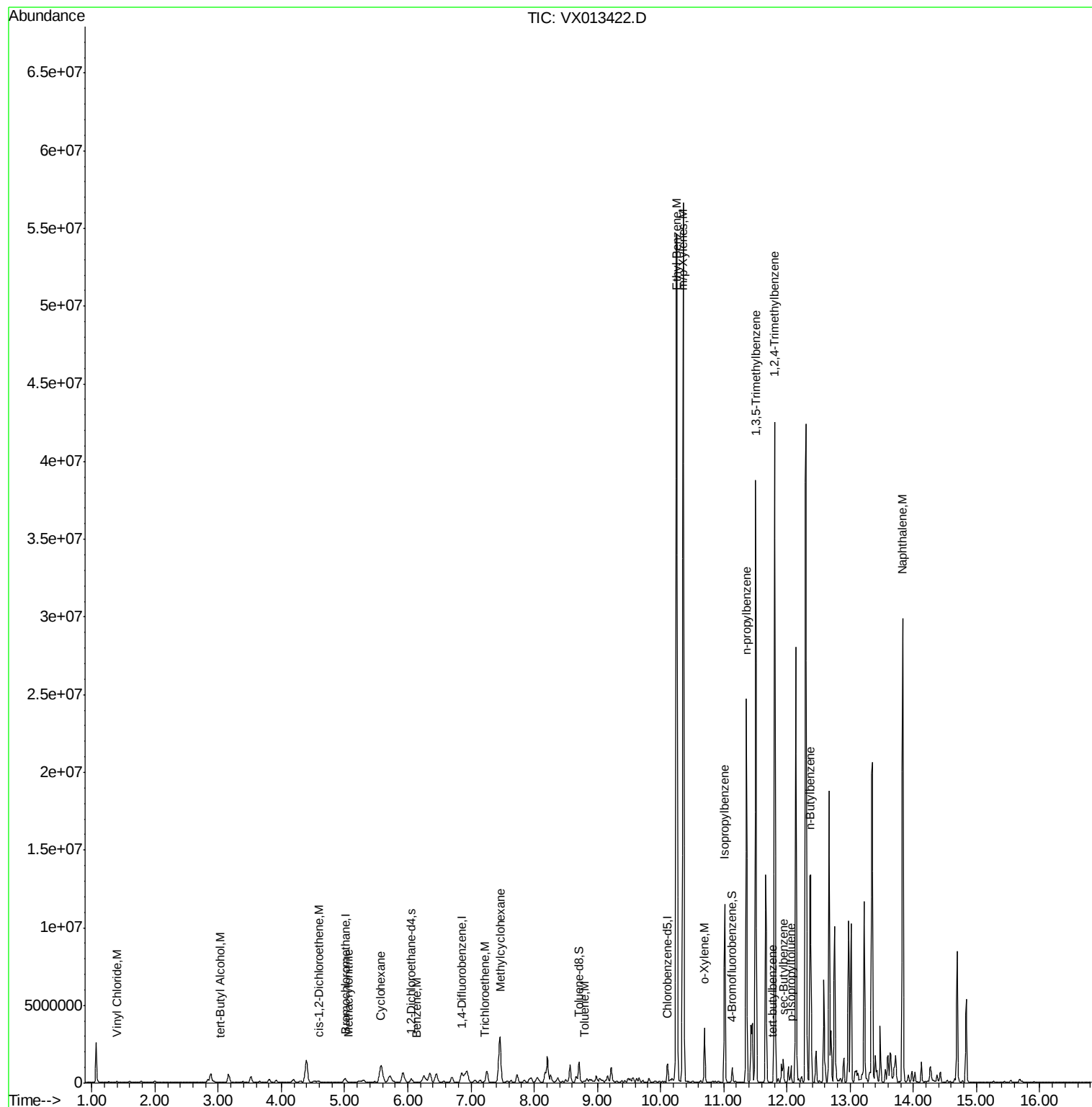
Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\
Data File : VX013422.D
Acq On : 14 Nov 2019 15:12
Operator : JC/SP
Sample : K5804-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

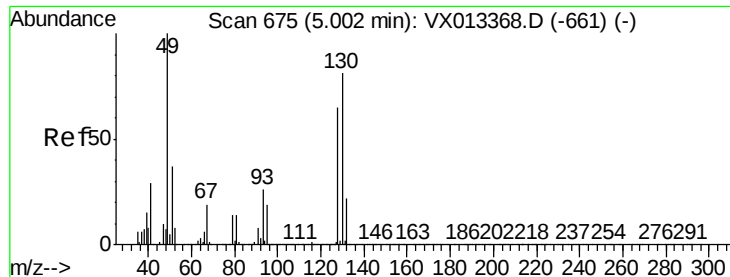
Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1S

Manual Integrations
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Quant Time: Nov 15 23:15:09 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





#1

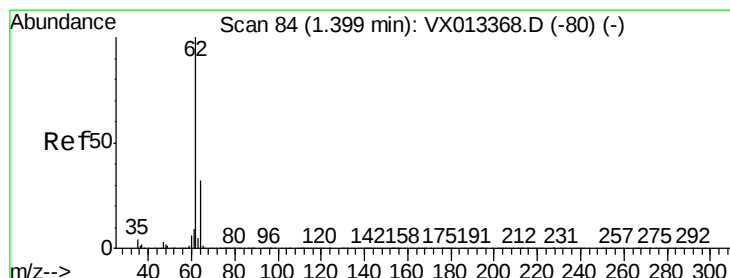
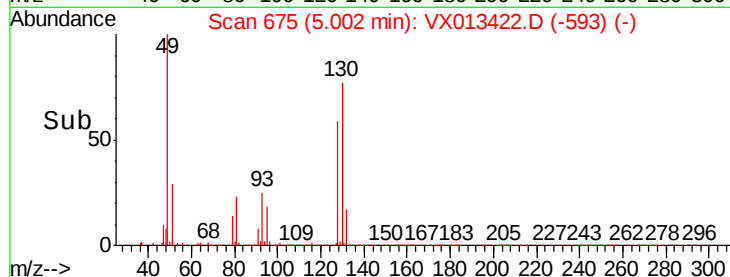
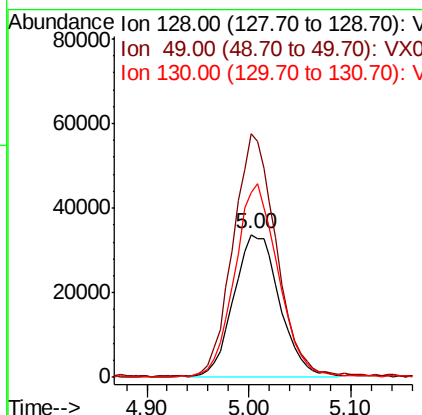
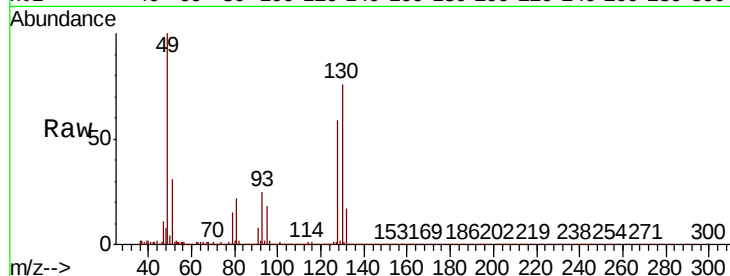
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100	105665		
49	158.4	0.0	388.3	
130	126.6	0.0	318.5	

Manual Integrations
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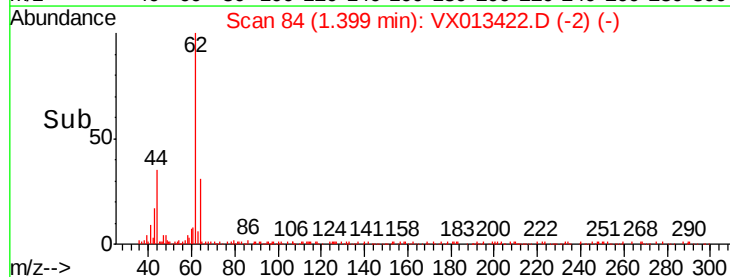
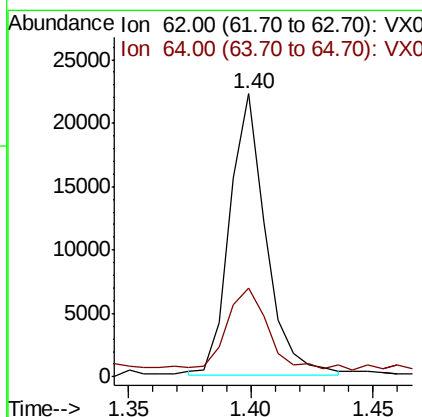
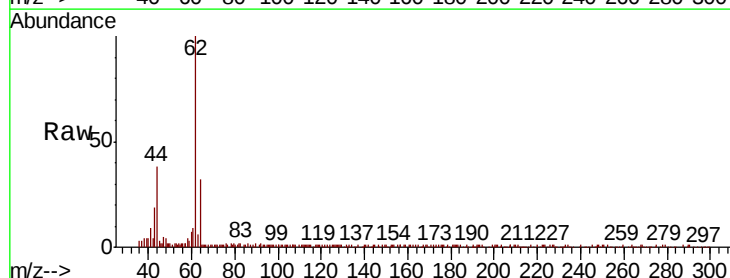
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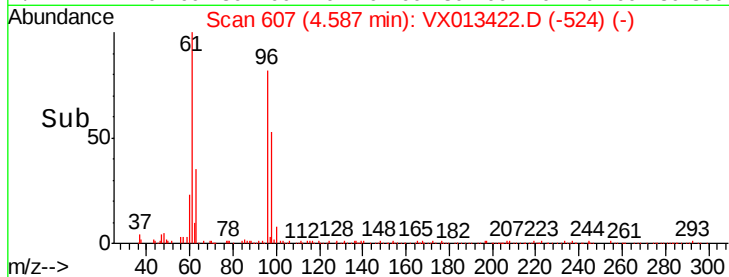
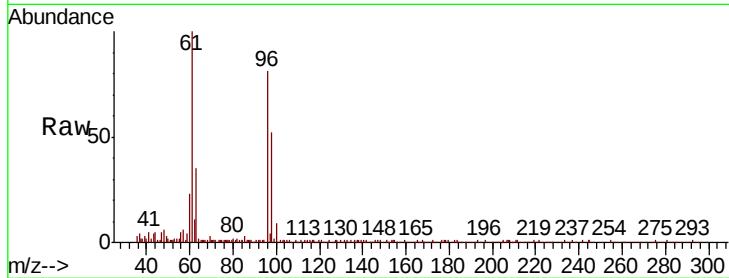
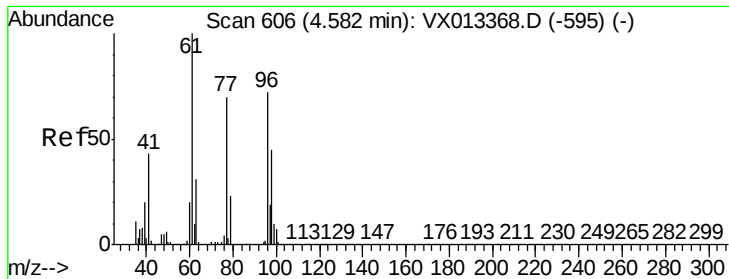


#4

Vinyl Chloride
Concen: 2.309 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.00 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	22639		
64	28.6	25.4	38.2	





#22

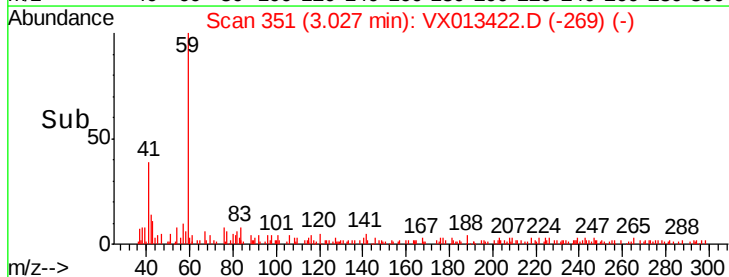
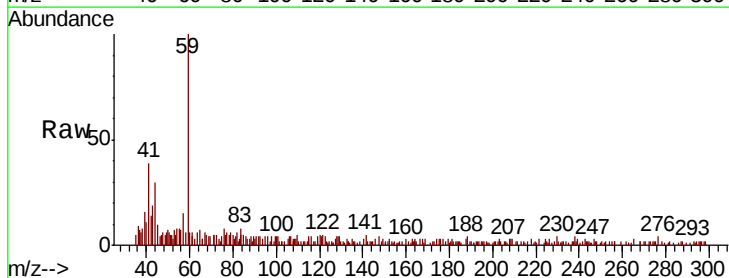
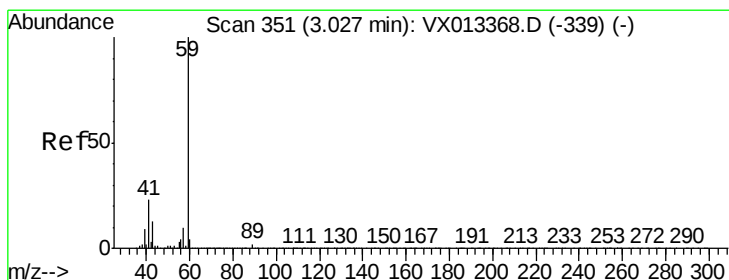
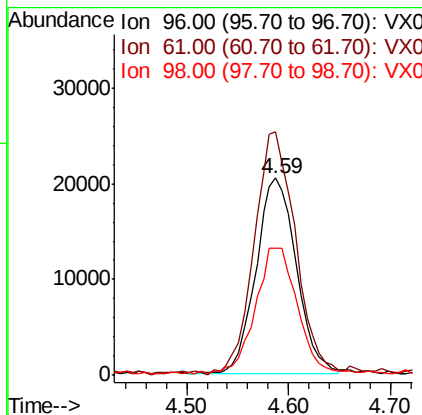
cis-1,2-Dichloroethene
Concen: 7.113 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.3	117.0	175.6
98	66.1	51.1	76.7

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

Manual Integrations
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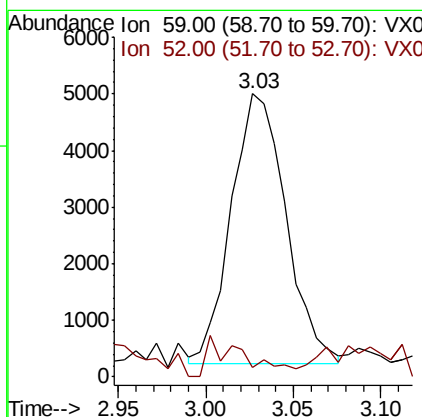
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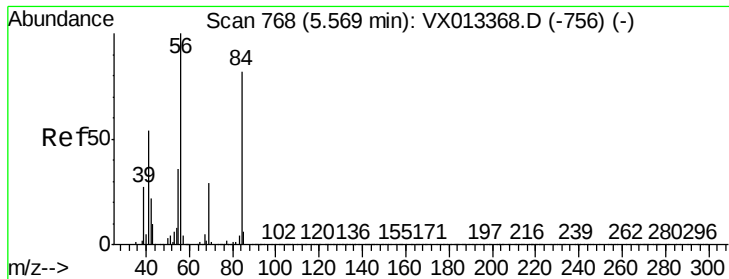


#23

tert-Butyl Alcohol
Concen: 5.126 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
59	100		
52	1.1	0.1	0.1#





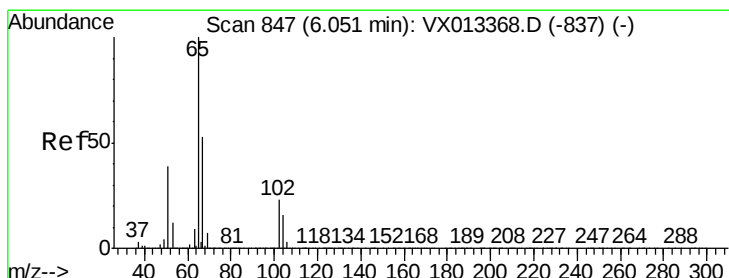
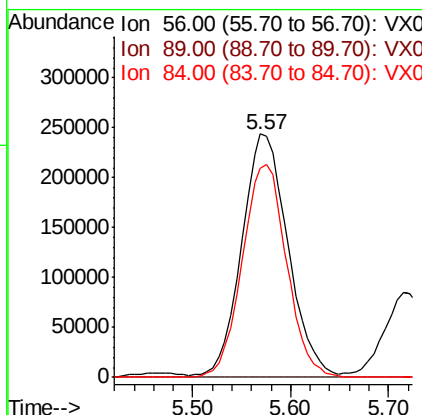
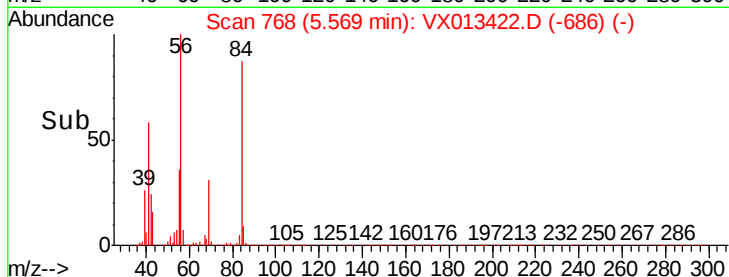
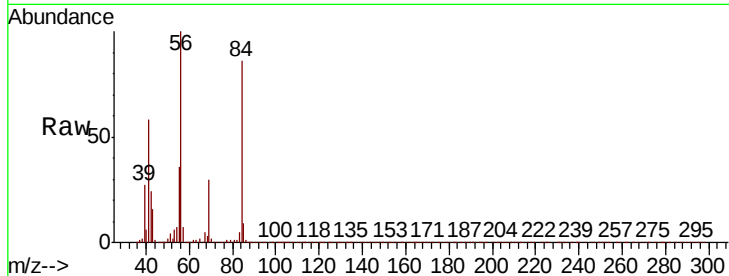
#26
Cyclohexane
Concen: 69.797 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

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

Tot Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0#
84	83.9	70.5	105.7

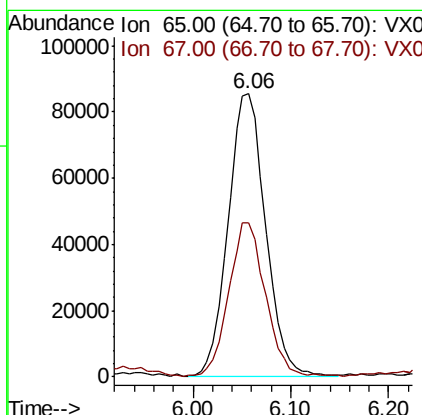
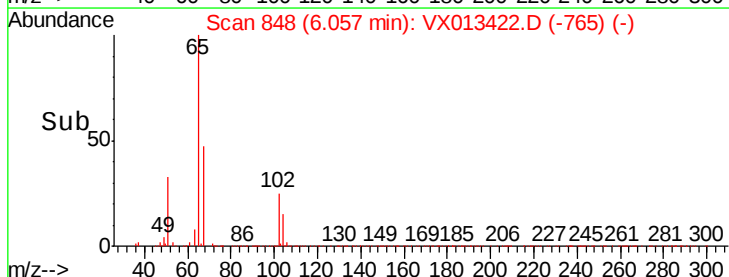
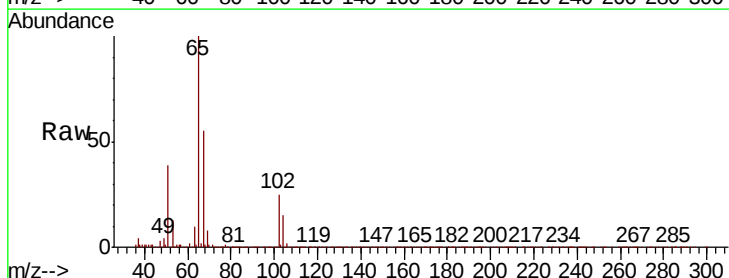
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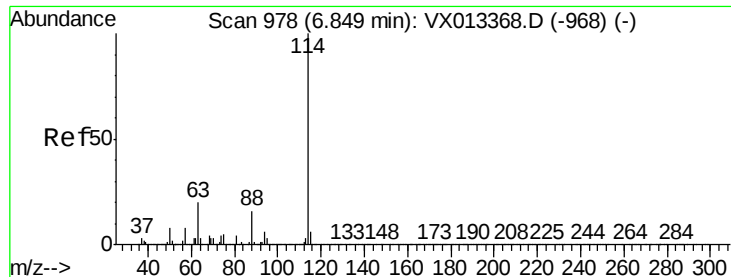
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#27
1,2-Dichloroethane-d4
Concen: 28.870 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.4	41.0	61.6





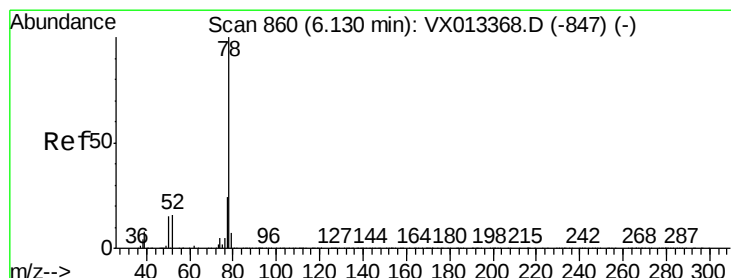
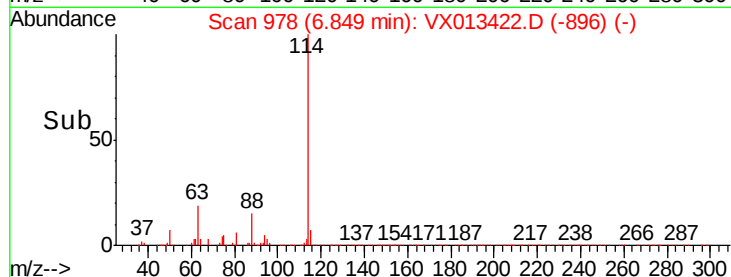
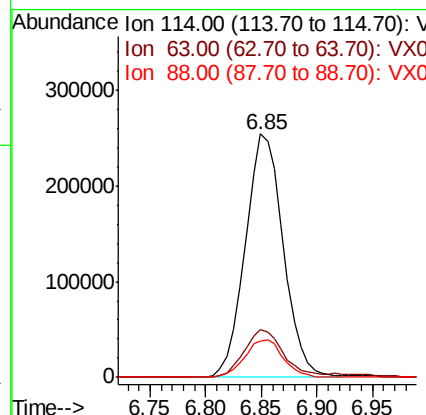
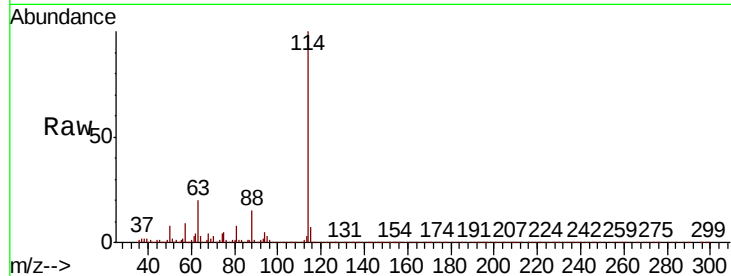
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.1	24.1
88	15.6	12.3	18.5

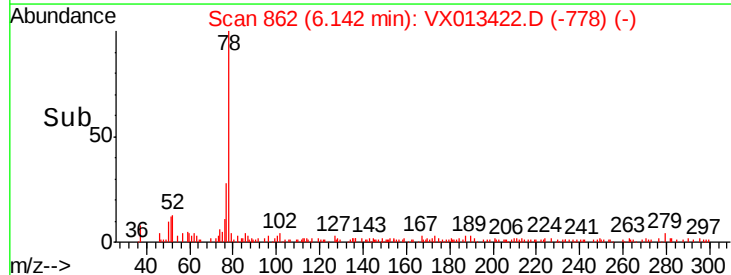
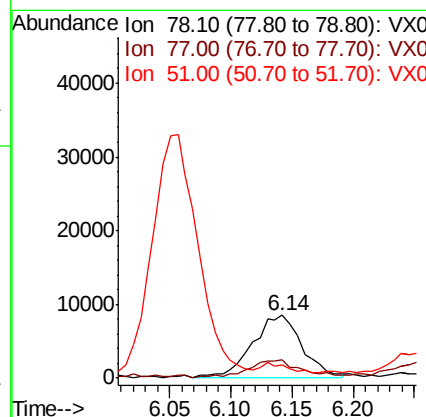
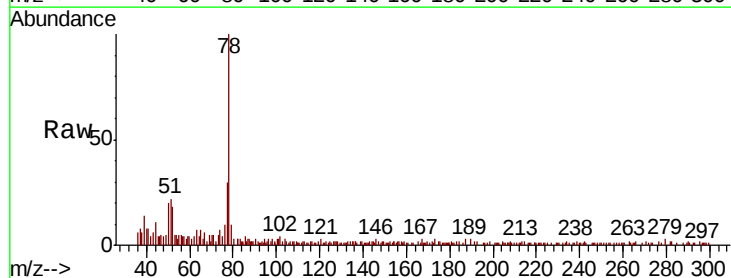
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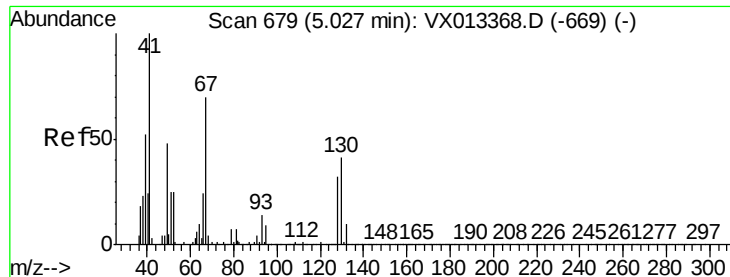
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#34
Benzene
Concen: 0.832 ug/l
RT: 6.14 min Scan# 862
Delta R.T. 0.01 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	29.1	19.3	28.9#
51	14.3	12.2	18.4





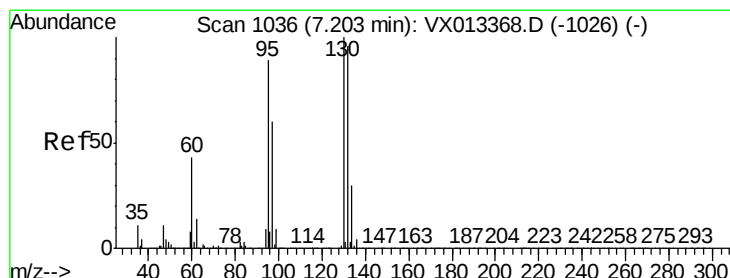
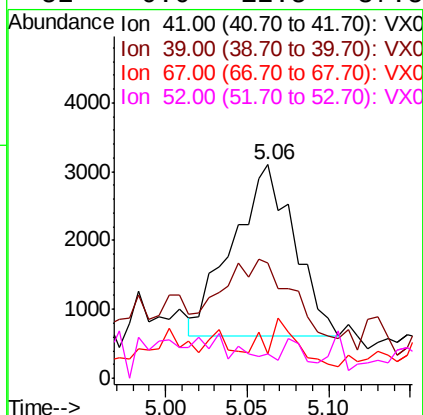
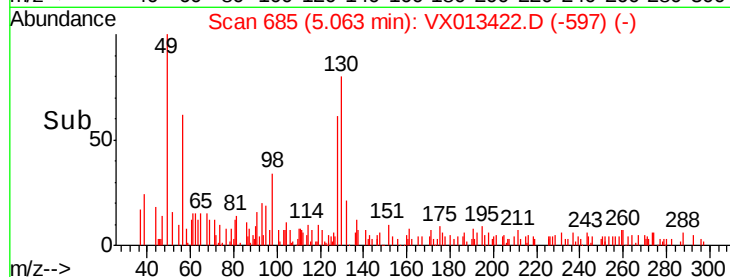
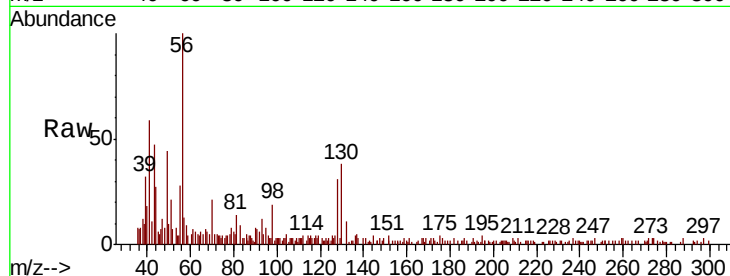
#35
Methacrylonitrile
Concen: 1.079 ug/l
RT: 5.06 min Scan# 685
Delta R.T. 0.04 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.4	25.9	77.8
67	20.7	35.1	105.5#
52	0.0	12.5	37.5#

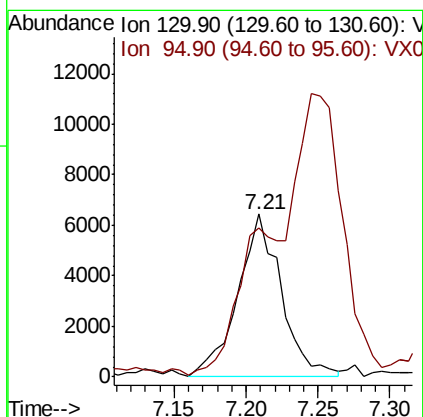
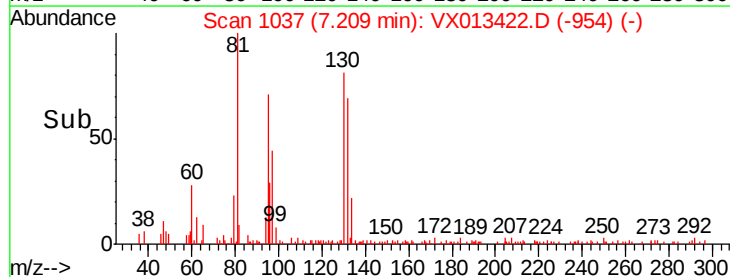
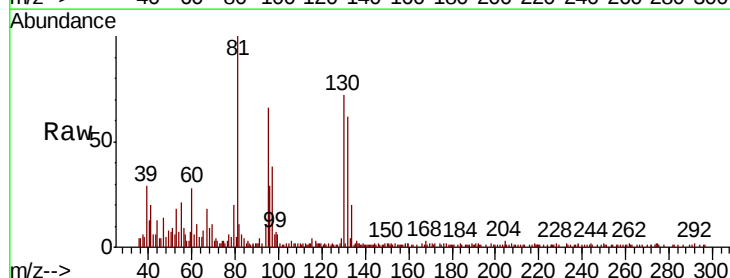
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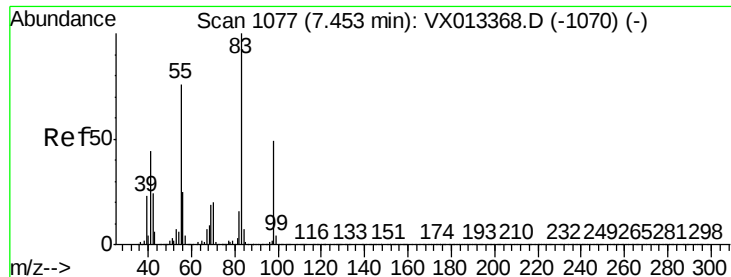
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#37
Trichloroethene
Concen: 1.818 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.4	71.3	106.9





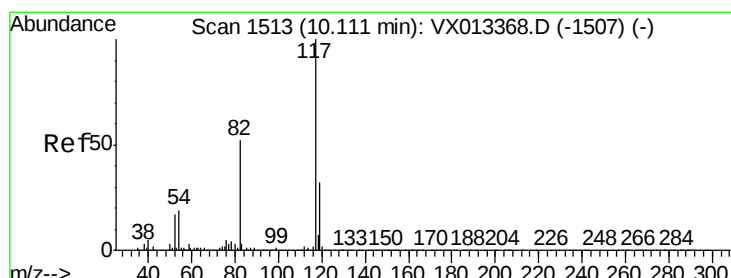
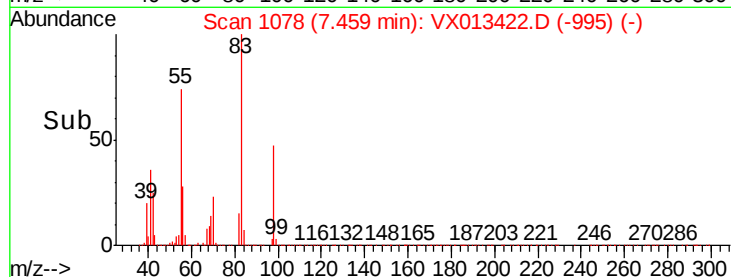
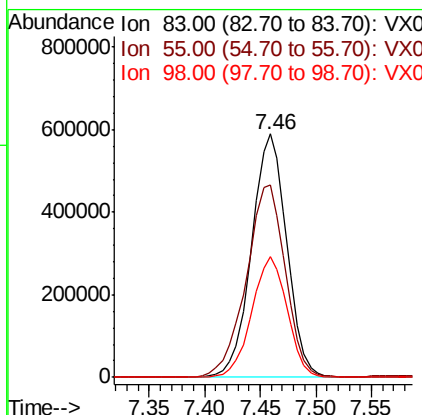
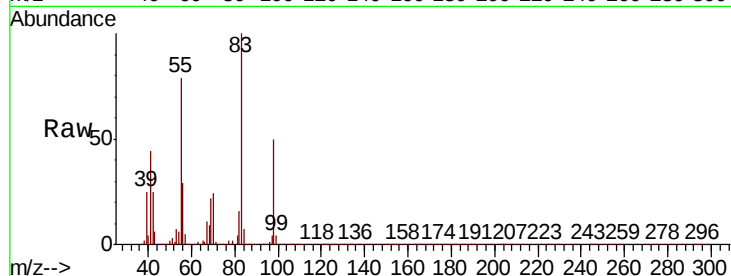
#38
Methvlcvclohexane
Concen: 115.036 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.9	37.9	113.7
98	49.9	25.1	75.3

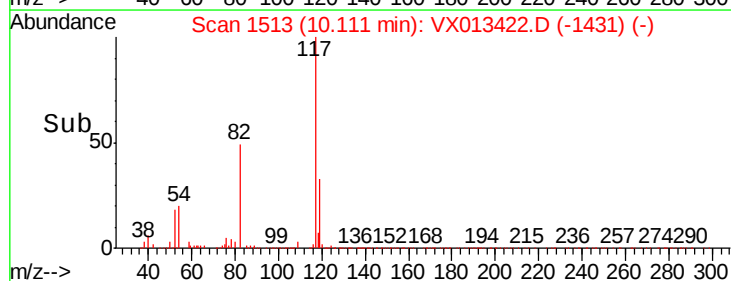
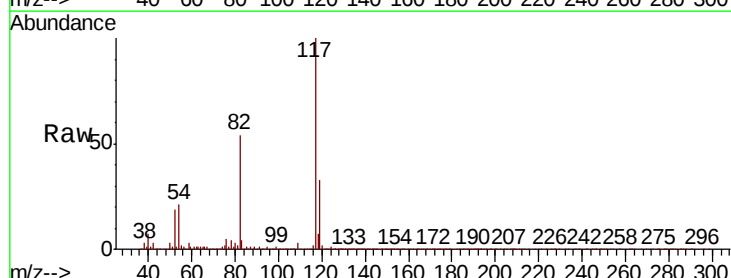
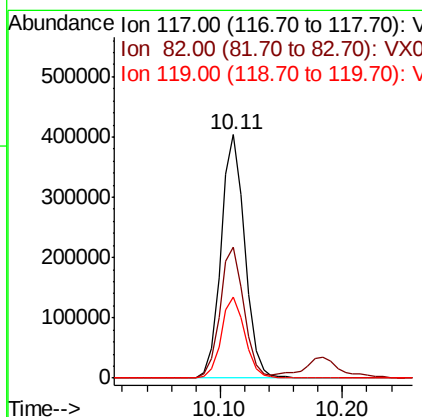
Manual Integrations
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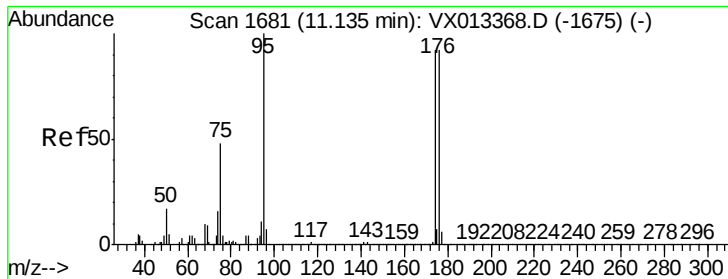
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#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.7	65.5
119	33.0	25.5	38.3





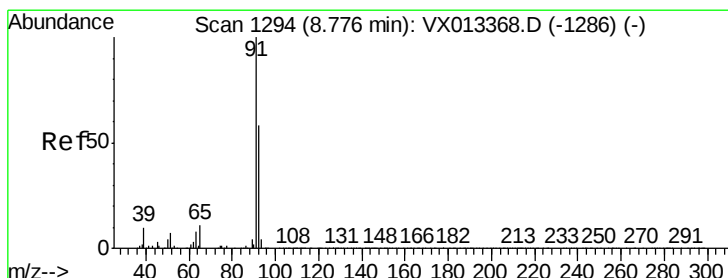
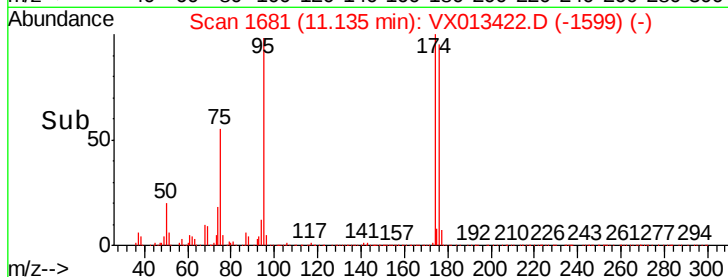
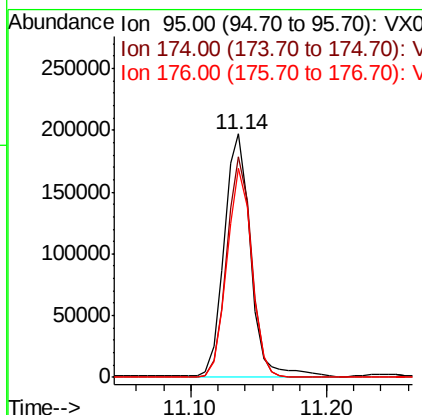
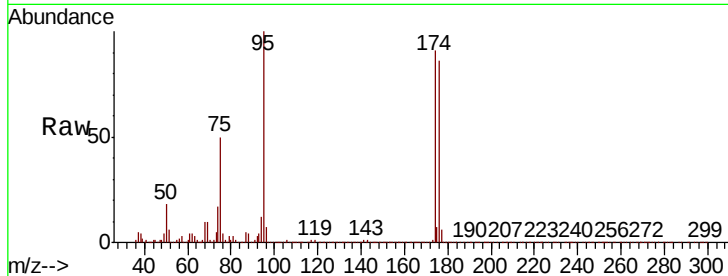
#60
4-Bromofluorobenzene
Concen: 30.535 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

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

Tot Ion	Ratio	Lower	Upper
95	100		
174	85.0	70.2	105.2
176	80.7	68.3	102.5

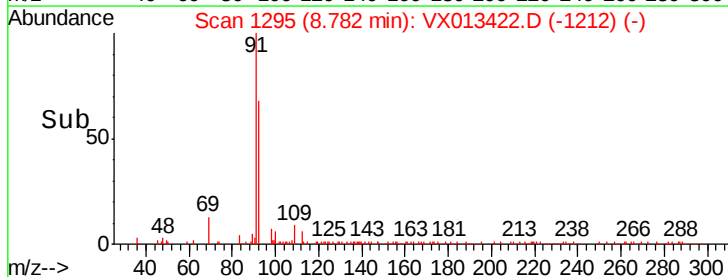
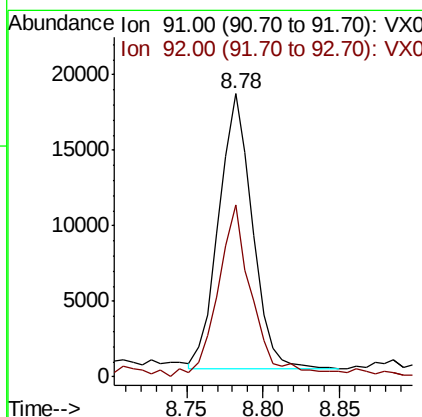
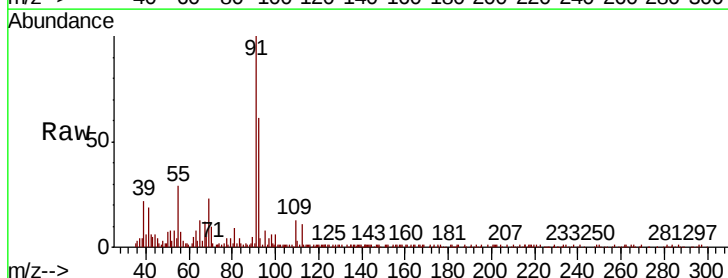
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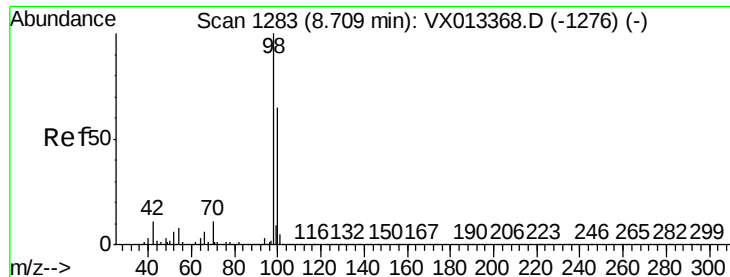
MMDadoda
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#62
Toluene
Concen: 0.917 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.0	46.6	69.8





#63

Toluene-d8

Concen: 30.025 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013422.D

Acq: 14 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-58-1S

Tot Ion: 98 Resp: 733862

Ion Ratio Lower Upper

98 100

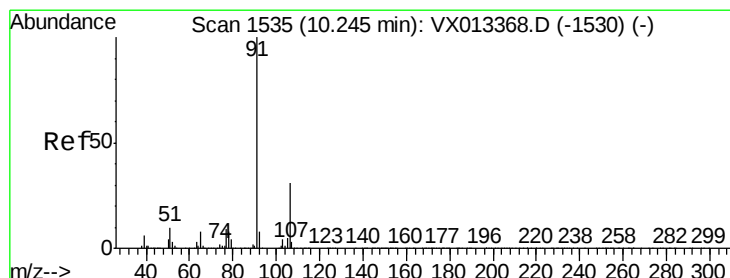
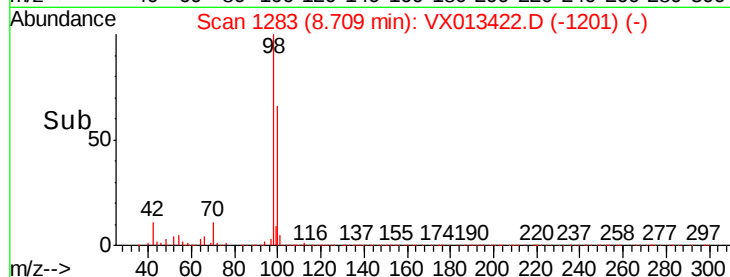
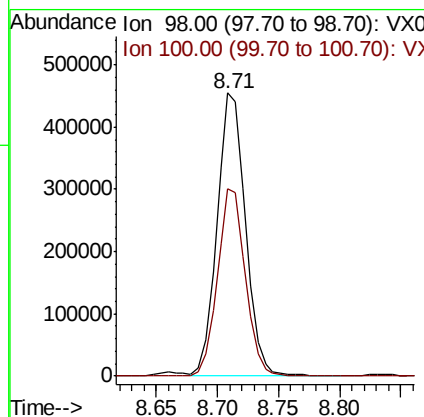
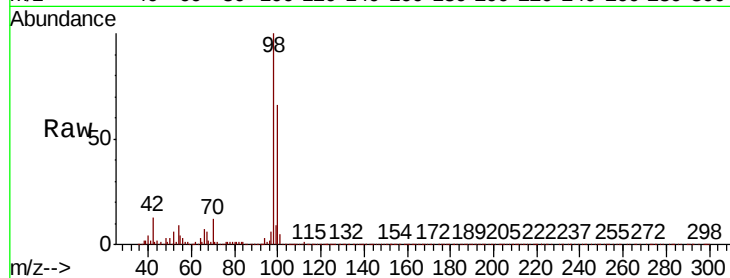
100 65.4 52.5 78.7

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#66

Ethyl Benzene

Concen: 564.446 ug/l m

RT: 10.24 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013422.D

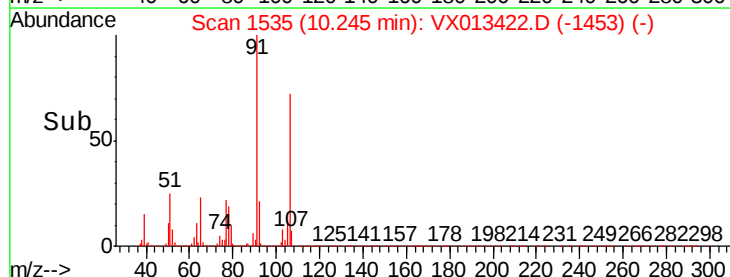
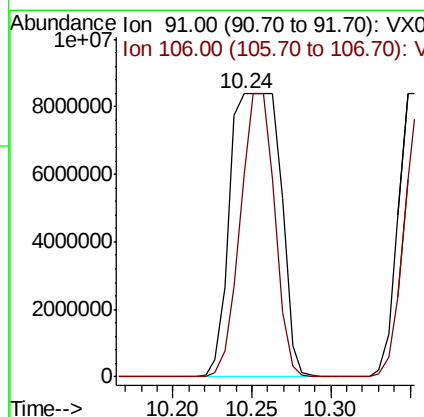
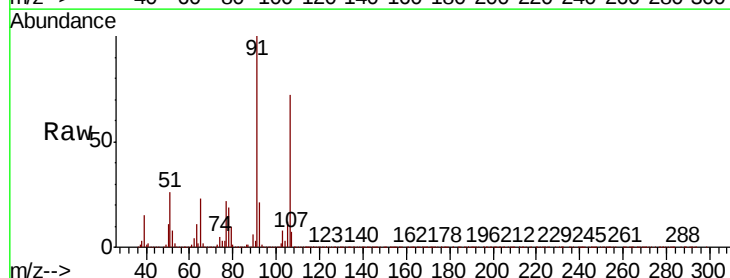
Acq: 14 Nov 2019 15:12

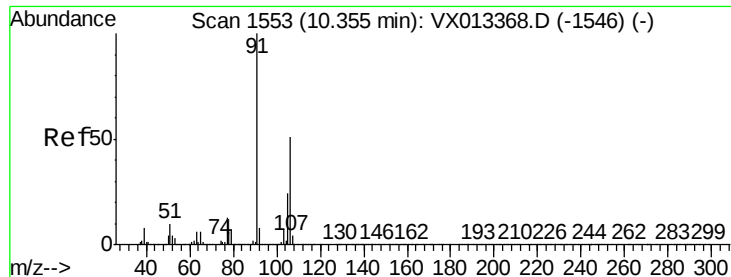
Tgt Ion: 91 Resp:18669378

Ion Ratio Lower Upper

91 100

106 71.8 25.0 37.4#





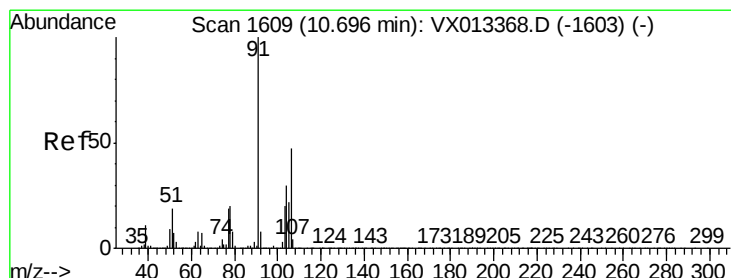
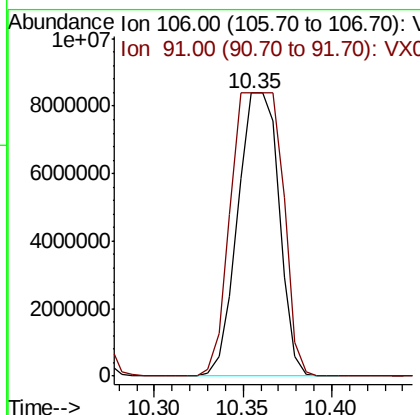
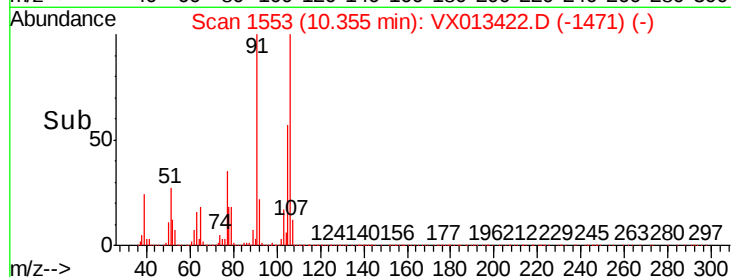
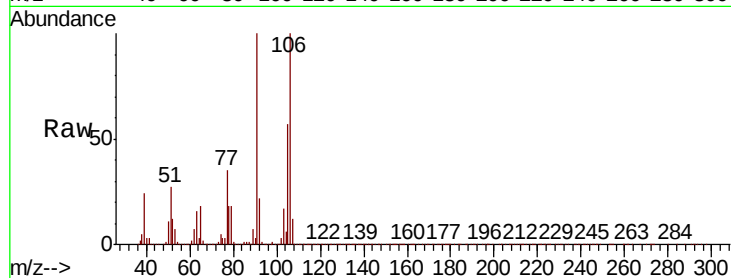
#67
m/p-Xylenes
Concen: 1057.131 ug/l m
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

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

Tot Ion:106 Resp:13487682
Ion Ratio Lower Upper
106 100
91 11.9 158.4 237.6#

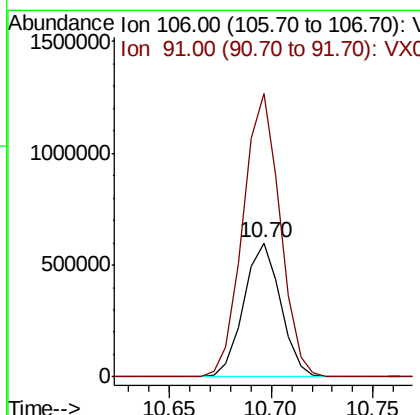
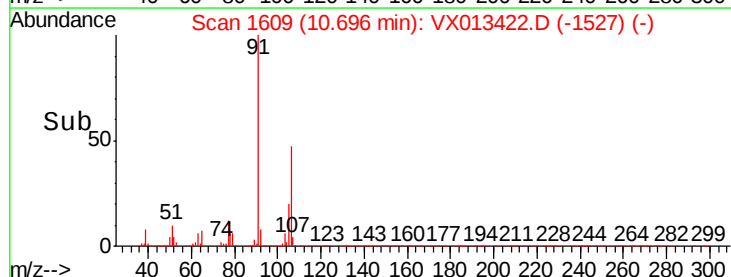
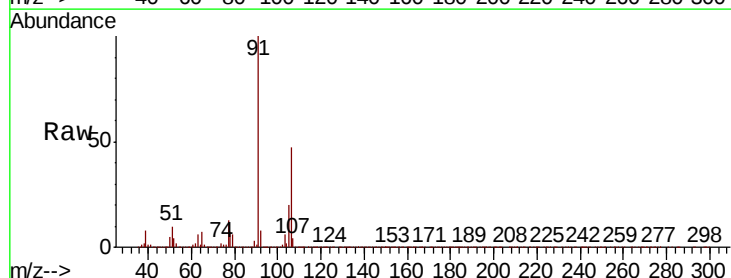
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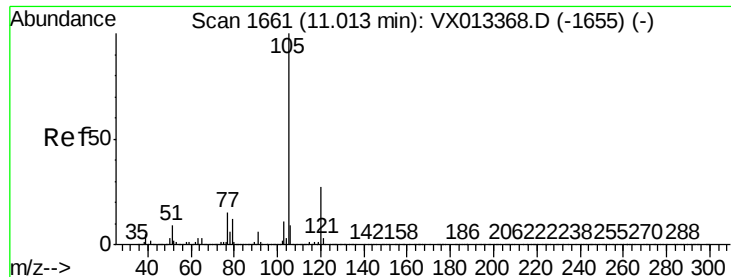
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#68
o-Xylene
Concen: 60.967 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

Tgt Ion:106 Resp: 750704
Ion Ratio Lower Upper
106 100
91 212.8 106.4 319.2





#70

Isopropylbenzene

Concen: 180.491 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013422.D

Acq: 14 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-58-1S

Tot Ion:105 Resp: 5856168

Ion Ratio Lower Upper

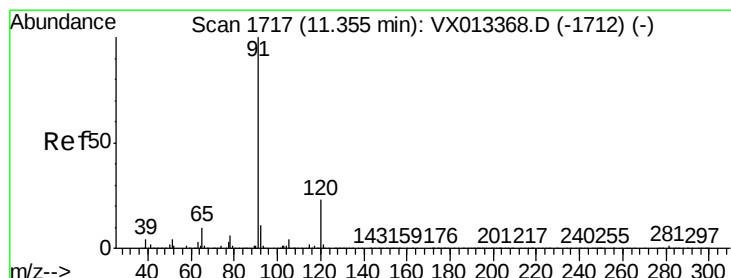
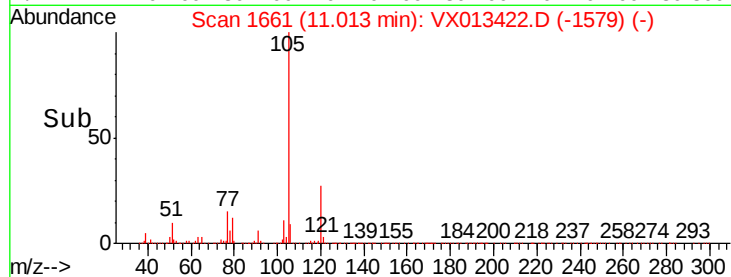
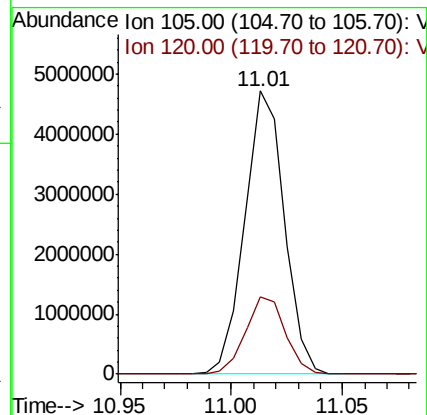
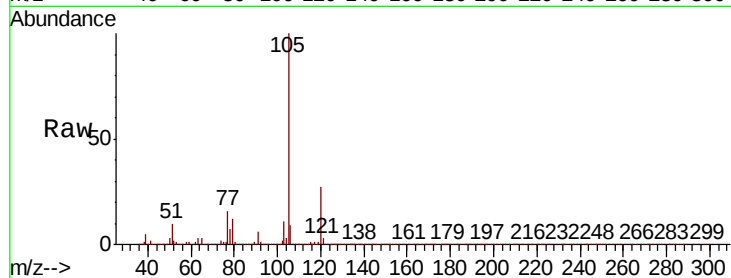
105 100

120 27.4 18.8 34.8

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#74

n-propylbenzene

Concen: 356.897 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013422.D

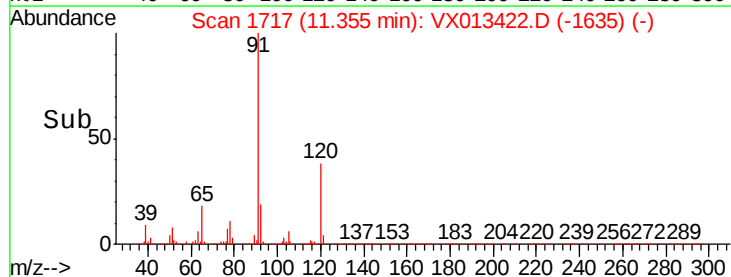
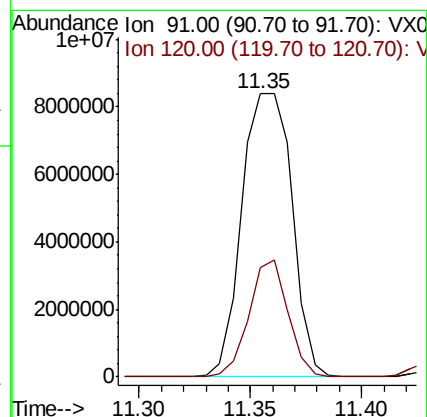
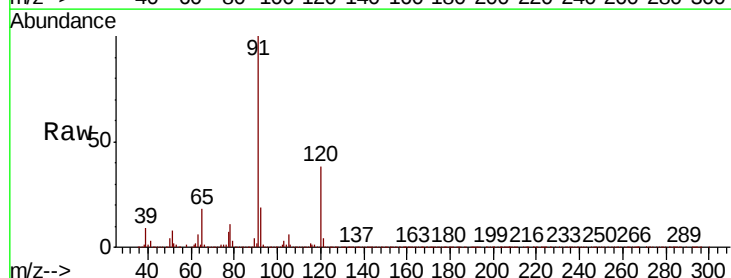
Acq: 14 Nov 2019 15:12

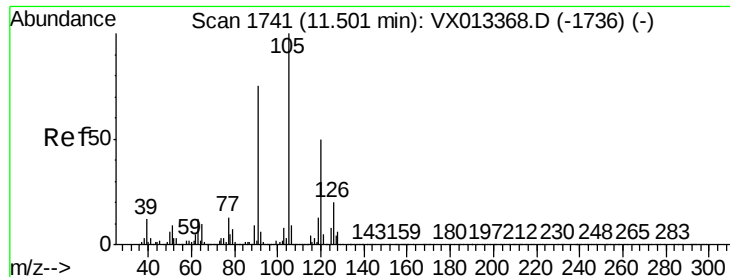
Tgt Ion: 91 Resp:13159717

Ion Ratio Lower Upper

91 100

120 32.1 0.0 46.2





#76

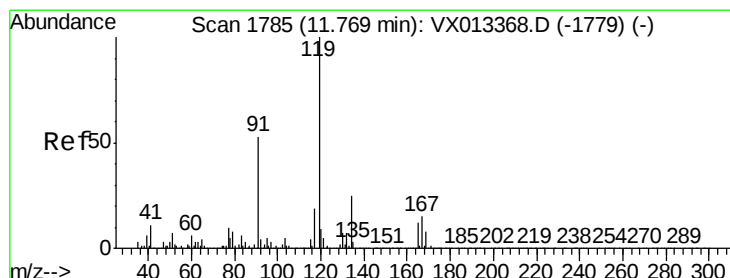
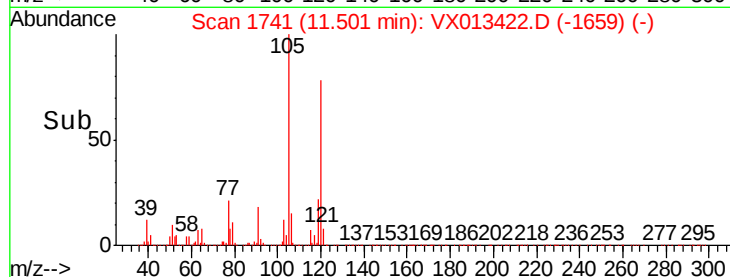
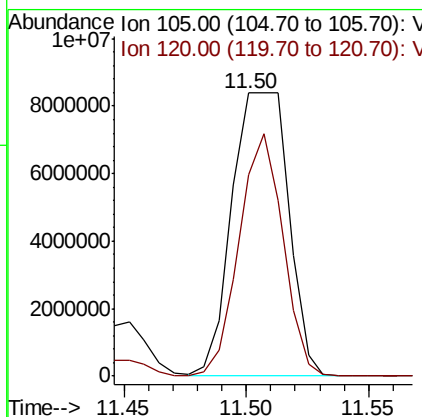
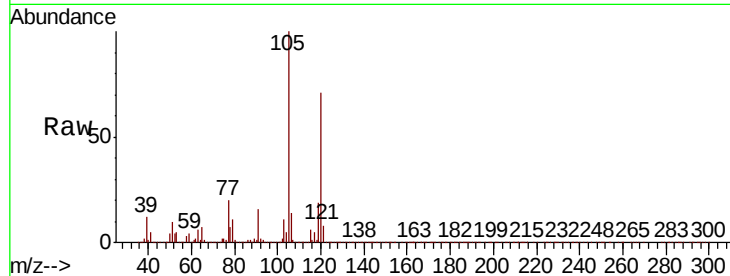
1,3,5-Trimethylbenzene
Concen: 495.575 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

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

Tot Ion:105 Resp:13515356
Ion Ratio Lower Upper
105 100
120 66.0 0.0 100.0

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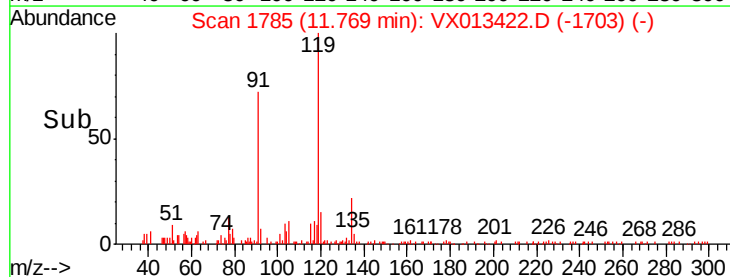
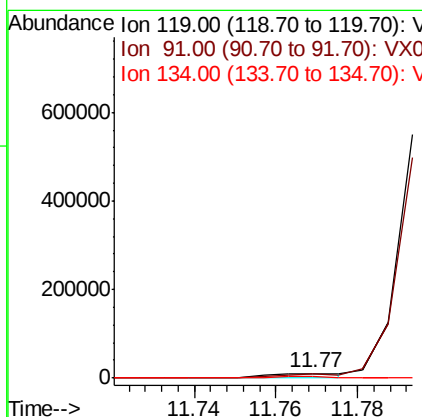
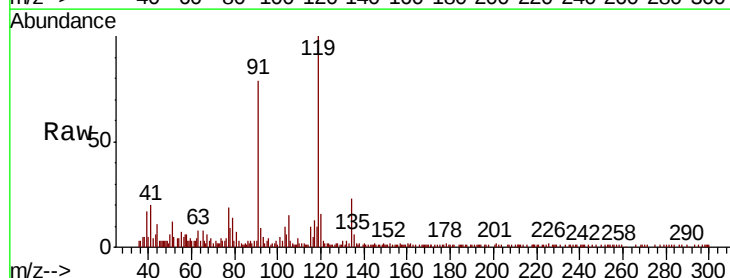
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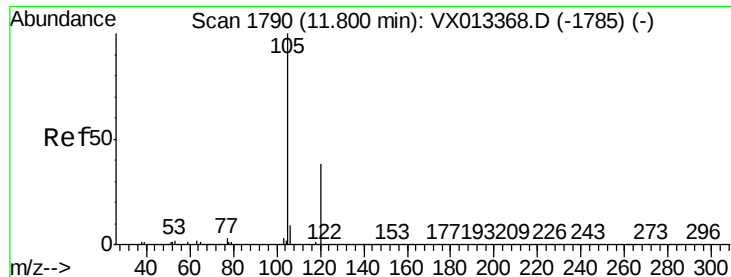


#79

tert-butylbenzene
Concen: 0.496 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

Tgt Ion:119 Resp: 13646
Ion Ratio Lower Upper
119 100
91 69.6 0.0 109.6
134 29.1 0.0 47.8





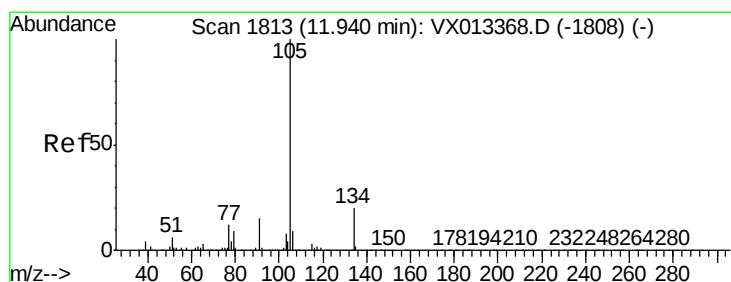
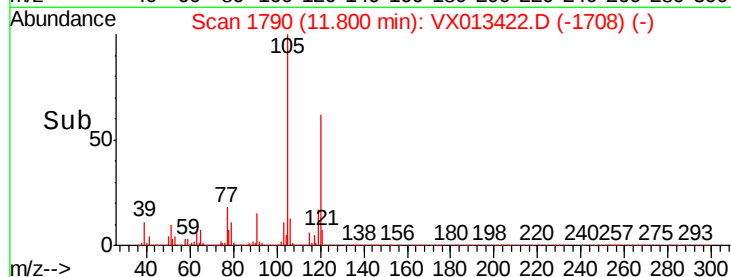
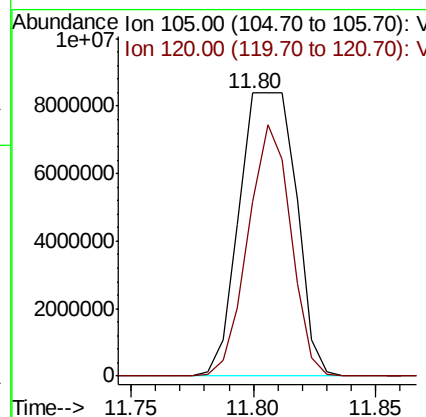
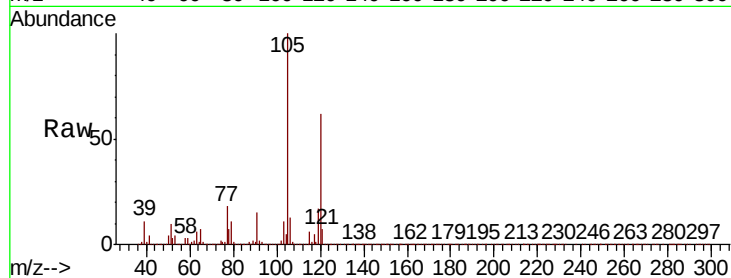
#80
 1,2,4-Trimethylbenzene
 Concen: 500.510 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX013422.D
 Acq: 14 Nov 2019 15:12

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

Tot Ion:105 Resp:13602494
 Ion Ratio Lower Upper
 105 100
 120 67.3 0.0 94.0

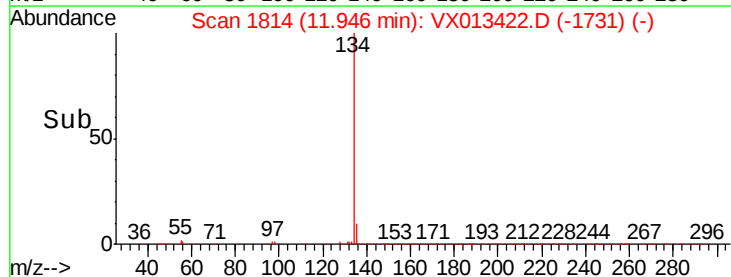
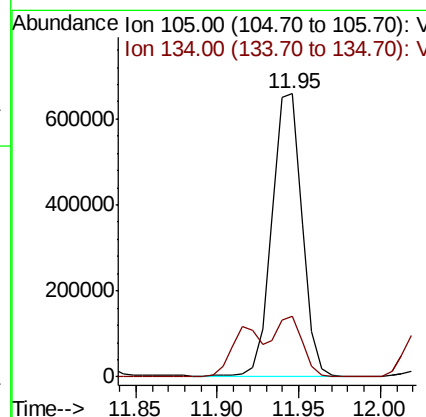
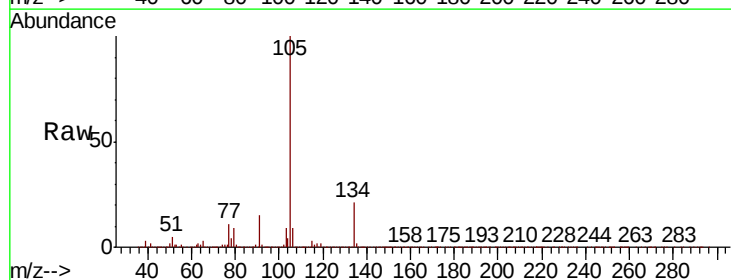
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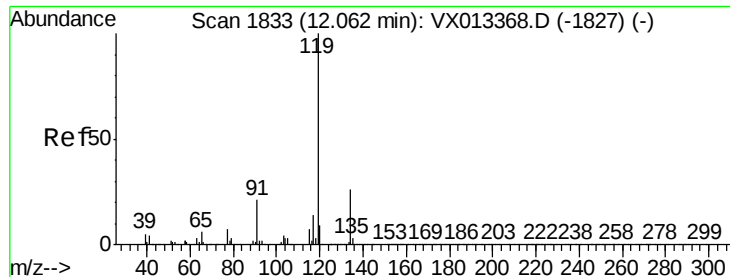
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#81
 sec-Butylbenzene
 Concen: 26.658 ug/l
 RT: 11.95 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: VX013422.D
 Acq: 14 Nov 2019 15:12

Tgt Ion:105 Resp: 836908
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 41.2





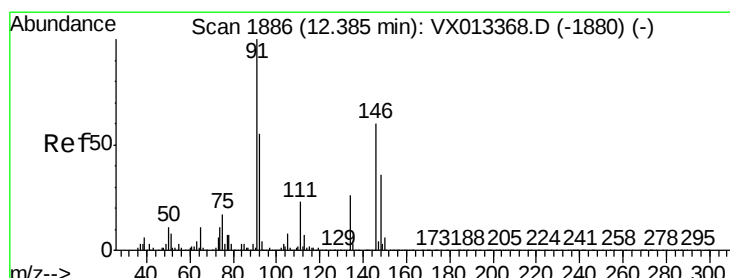
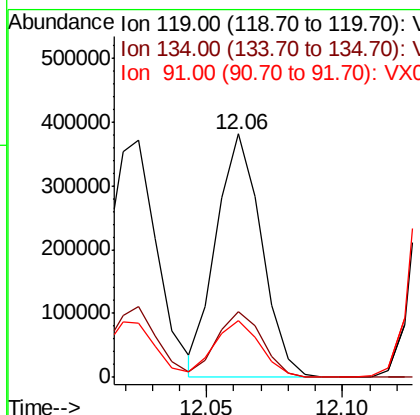
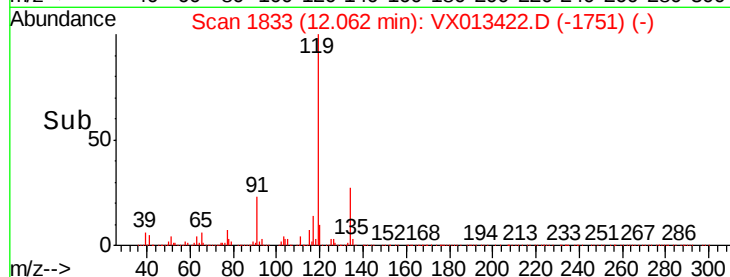
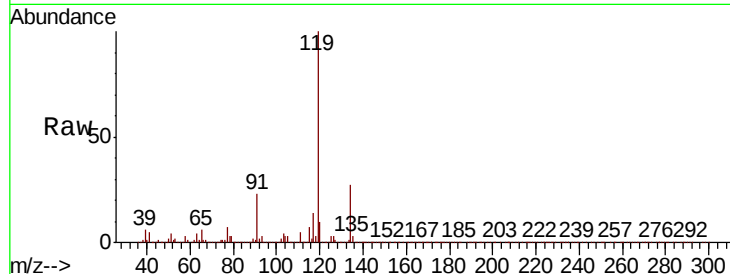
#82
p-Isopropyltoluene
Concen: 15.159 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	51.6
91	23.1	0.0	44.2

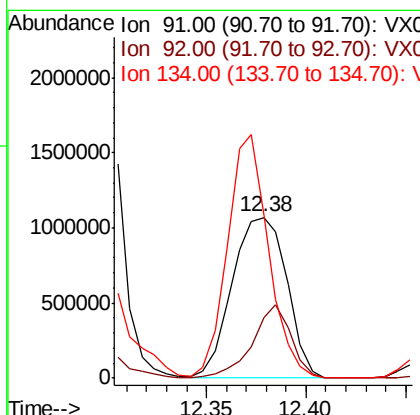
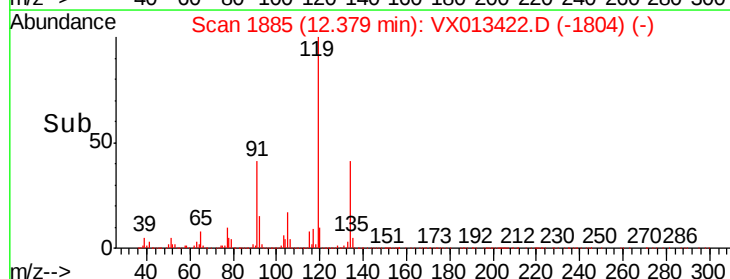
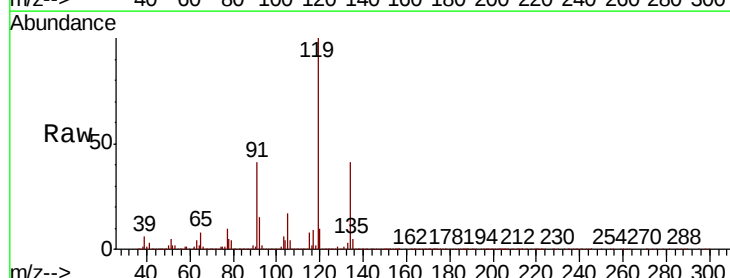
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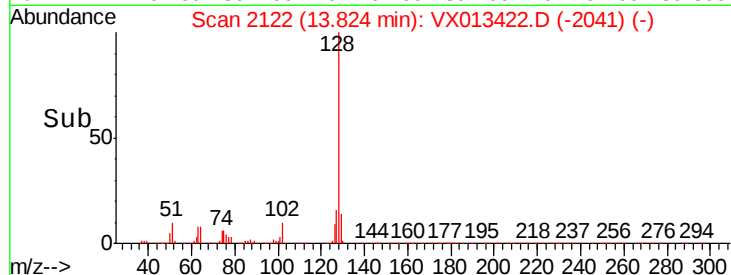
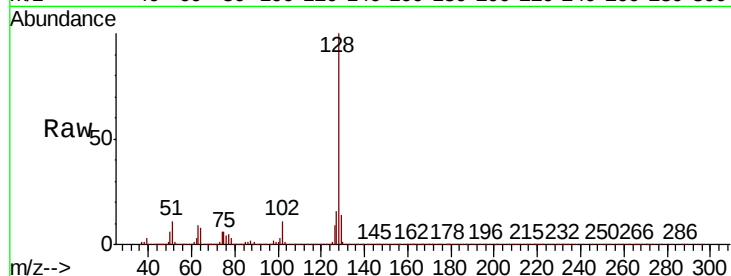
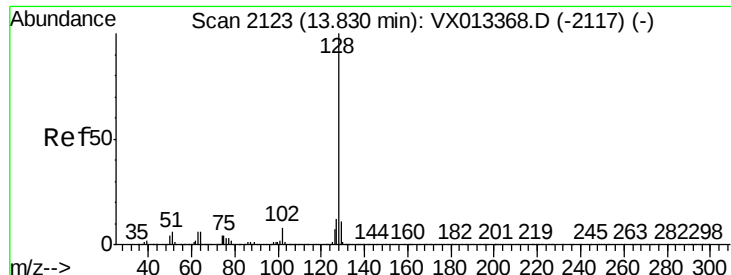
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#85
n-Butylbenzene
Concen: 81.558 ug/l m
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	16.1	0.0	109.0
134	53.1	0.0	53.0#





#91
Naphthalene
Concen: 459.310 ug/l m
RT: 13.82 min Scan# 2122
Delta R.T. -0.01 min
Lab File: VX013422.D
Acq: 14 Nov 2019 15:12

Tot Ion:128 Resp:15083340
Ion Ratio Lower Upper
128 100
127 19.5 10.2 15.2#
129 17.1 8.8 13.2#

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

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