

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

Quant Time: Nov 22 15:37:09 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	5.01	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

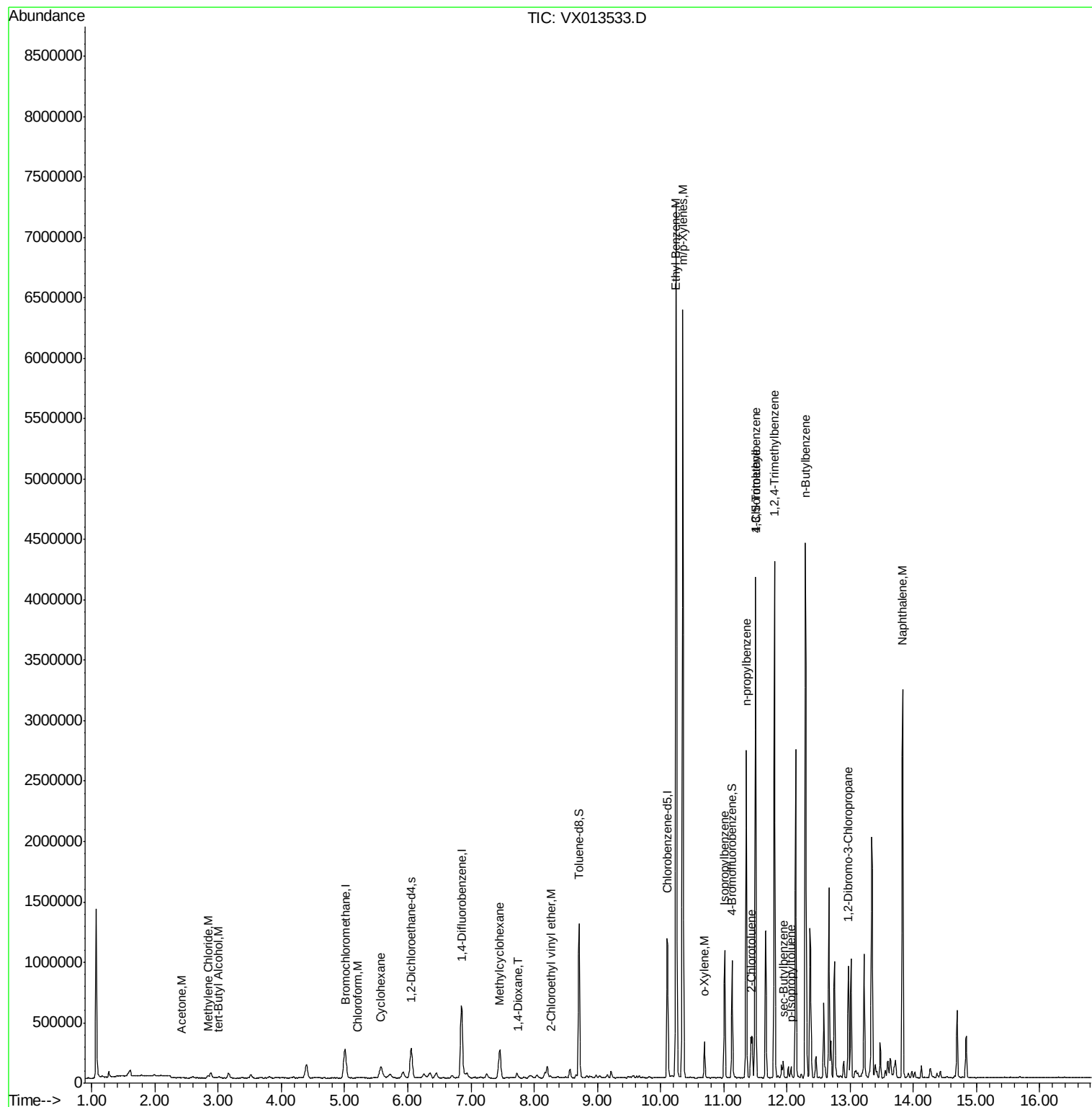
					Qvalue	
15) Acetone	2.43	58	599	0.455	ug/l #	65
18) Methylene Chloride	2.85	84	3363	0.440	ug/l #	75
23) tert-Butyl Alcohol	3.00	59	3162	1.513	ug/l #	91
25) Chloroform	5.20	83	3867	0.304	ug/l	85
26) Cyclohexane	5.57	56	66612	5.641	ug/l #	92
38) Methylcyclohexane	7.46	83	104389	8.896	ug/l	90
45) 1,4-Dioxane	7.75	88	507	2.480	ug/l #	48
55) 2-Chloroethyl vinyl ether	8.27	63	1114	0.214	ug/l #	75
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
75) 2-Chlorotoluene	11.43	91	21795	0.979	ug/l	41
76) 1,3,5-Trimethylbenzene	11.50	105	1741532	62.923	ug/l	99
78) 4-Chlorotoluene	11.50	91	177756	6.972	ug/l	44
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	12.29	91	276941	10.931	ug/l	55
88) 1,2-Dibromo-3-Chloropropan	12.97	75	3184	1.208	ug/l #	1
91) Naphthalene	13.83	128	1958747	58.774	ug/l	100

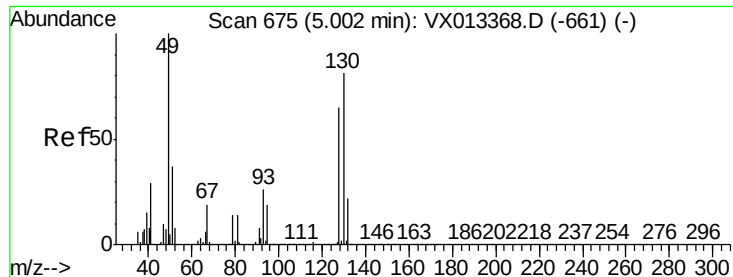
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Quant Time: Nov 22 15:37:09 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

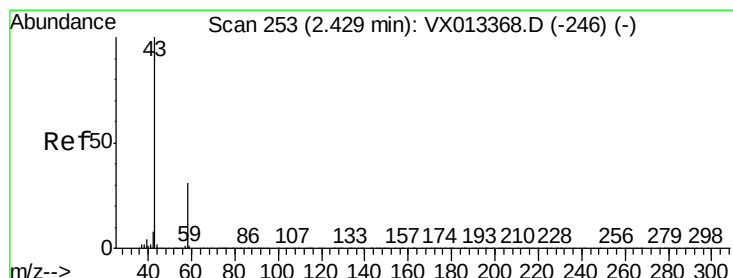
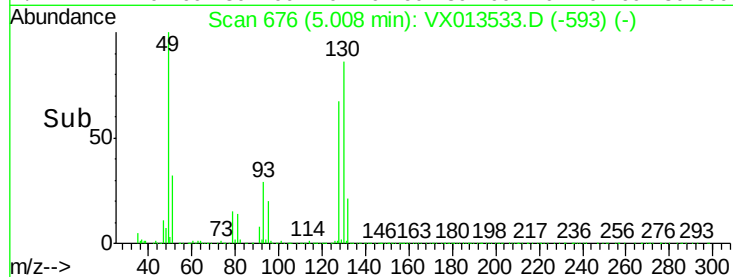
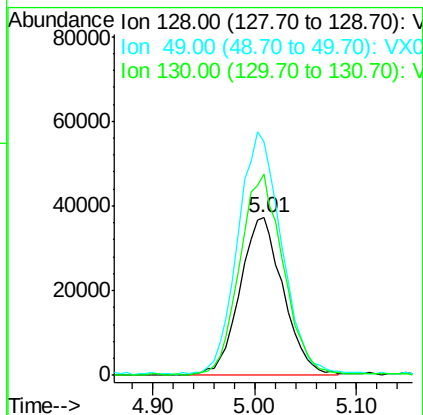
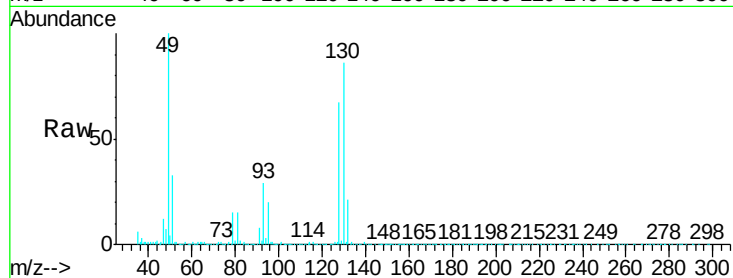
Instrument :

MSVOA_X

ClientSampleId :

GE-MW-58-1SDL

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



#15

Acetone

Concen: 0.455 ug/l

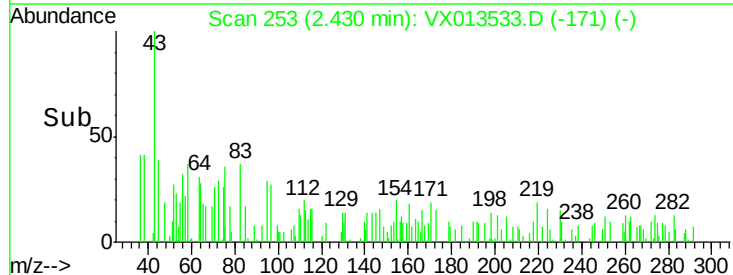
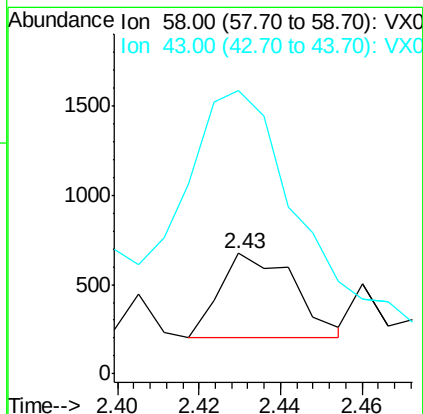
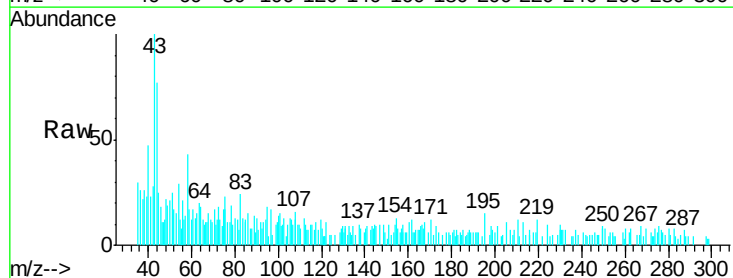
RT: 2.43 min Scan# 253

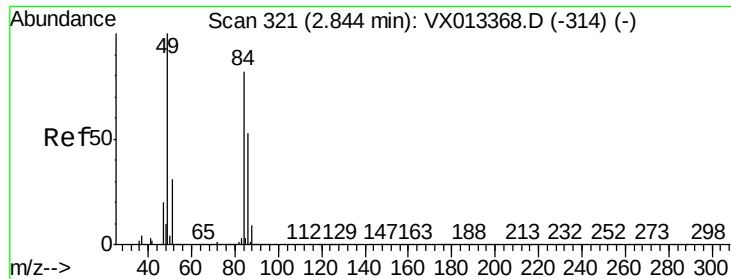
Delta R.T. 0.00 min

Lab File: VX013533.D

Acq: 22 Nov 2019 15:12

Tgt Ion:	58	Resp:	599
Ion	Ratio	Lower	Upper
58	100		
43	254.9	261.4	392.2#

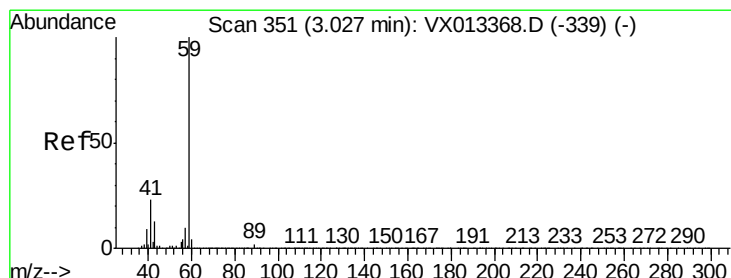
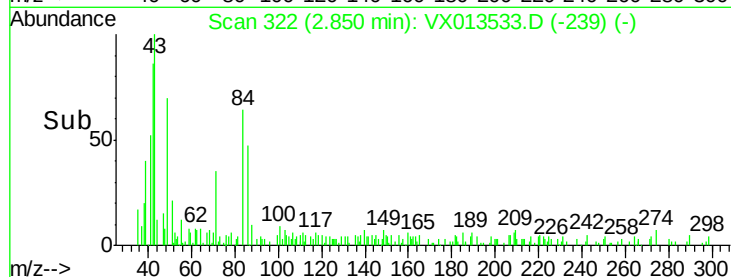
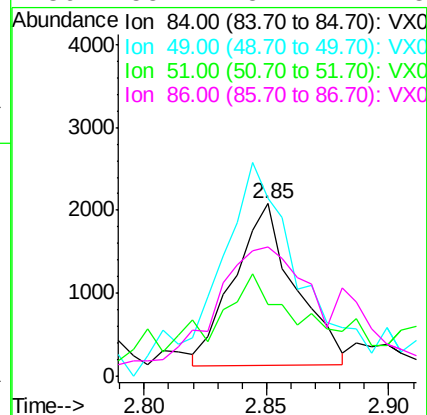
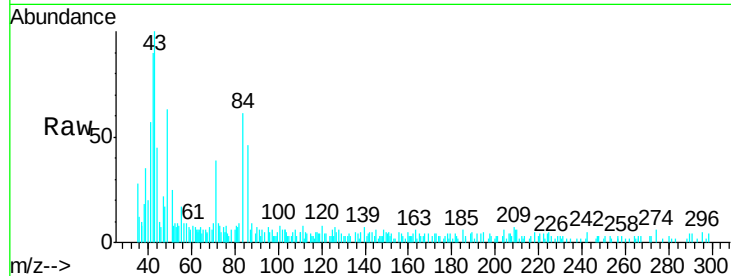




#18
Methylene Chloride
Concen: 0.440 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

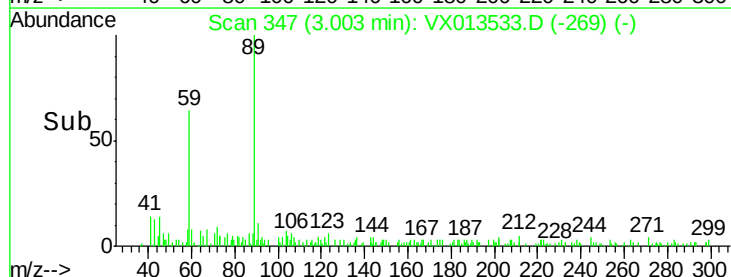
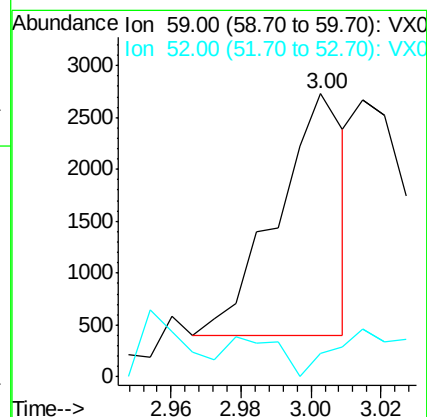
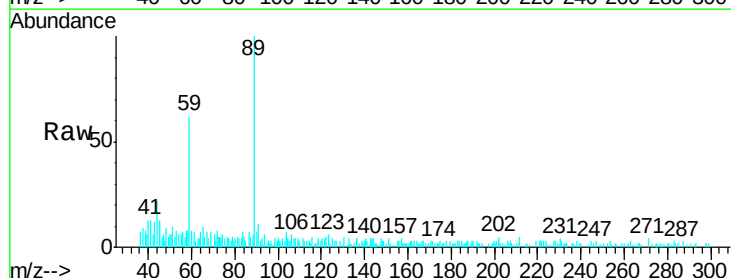
Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1SDL

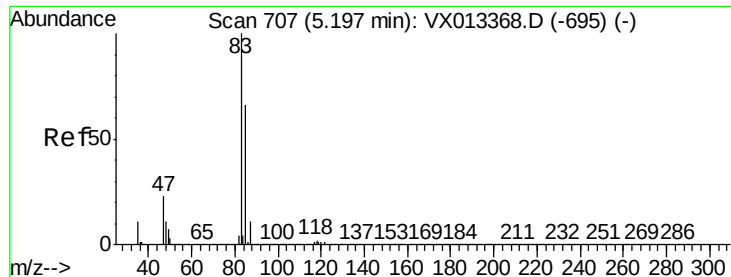
Tgt Ion:	84	Resp:	3363
Ion	Ratio	Lower	Upper
84	100		
49	92.5	96.8	145.2#
51	10.5	30.0	45.0#
86	55.1	51.7	77.5



#23
tert-Butyl Alcohol
Concen: 1.513 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

Tgt Ion:	59	Resp:	3162
Ion	Ratio	Lower	Upper
59	100		
52	22.3	0.1	0.1#





#25

Chloroform

Concen: 0.304 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX013533.D

Acq: 22 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

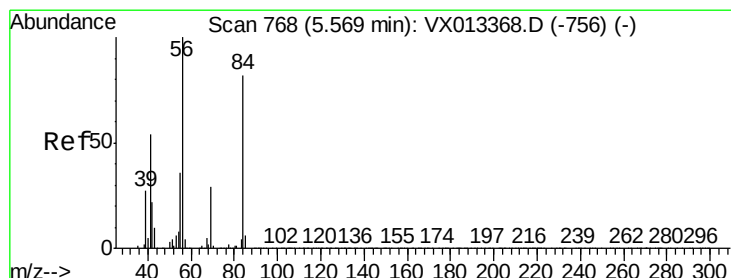
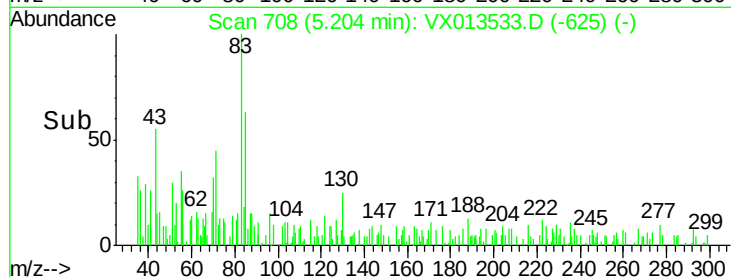
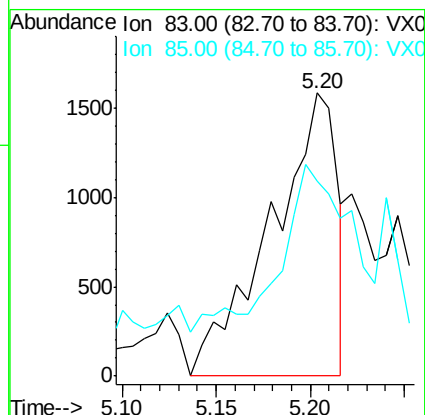
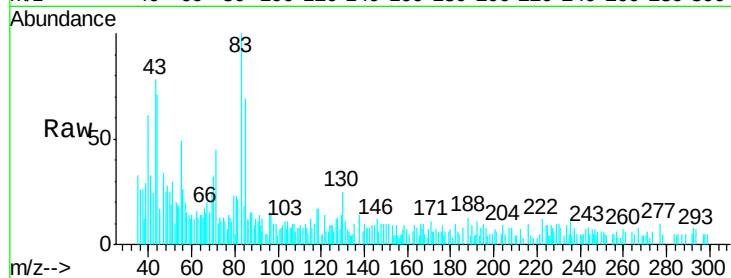
GE-MW-58-1SDL

Tgt Ion: 83 Resp: 3867

Ion Ratio Lower Upper

83 100

85 53.2 52.4 78.6



#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

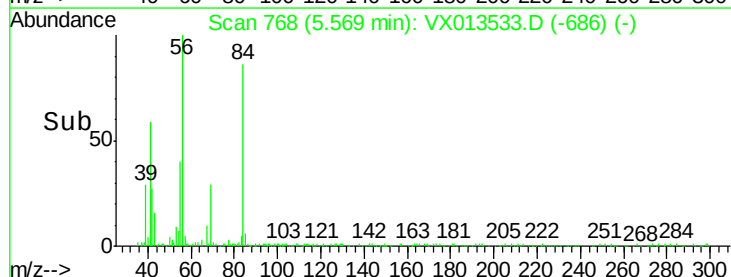
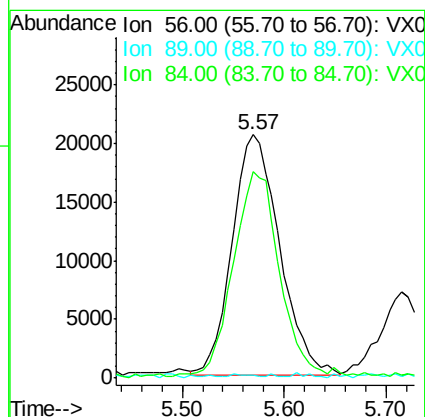
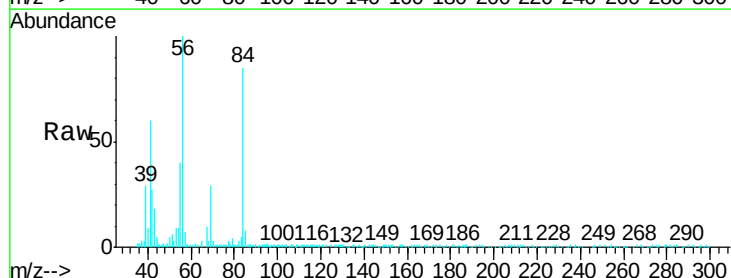
Tgt Ion: 56 Resp: 66612

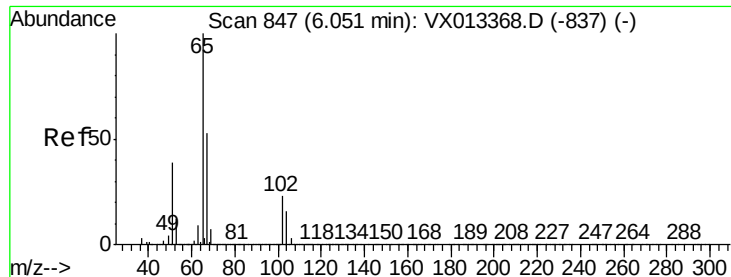
Ion Ratio Lower Upper

56 100

89 0.2 0.0 0.0#

84 80.7 70.5 105.7

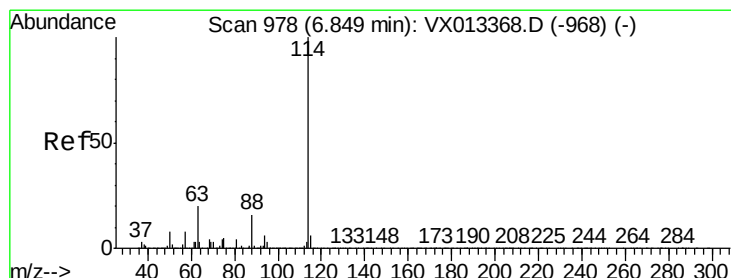
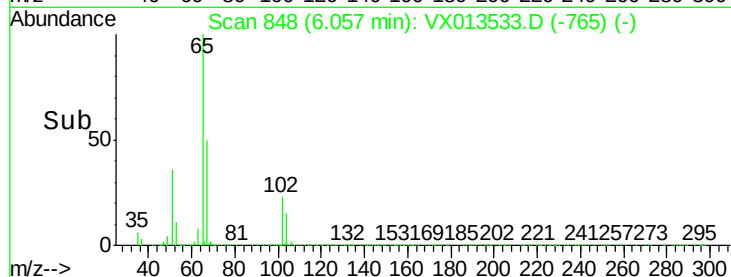
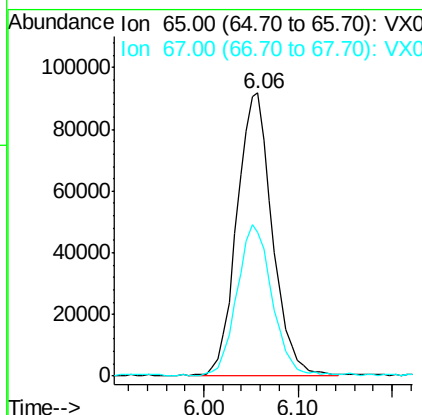
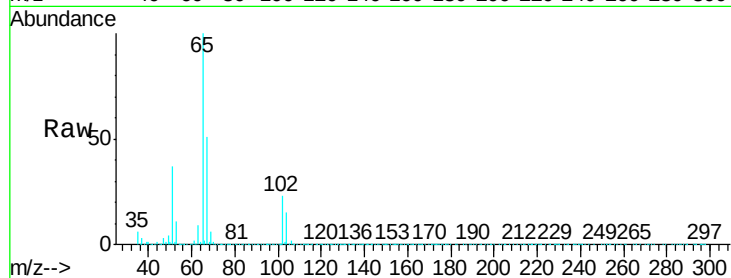




#27
 1,2-Dichloroethane-d4
 Concen: 29.814 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013533.D
 Acq: 22 Nov 2019 15:12

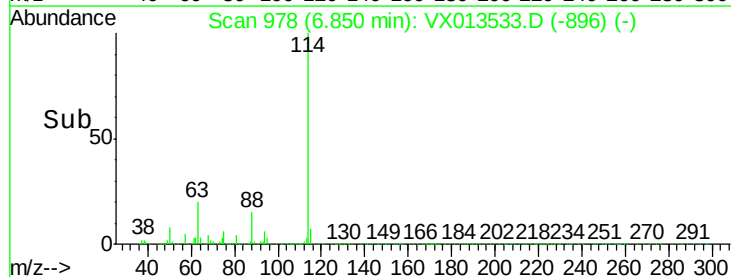
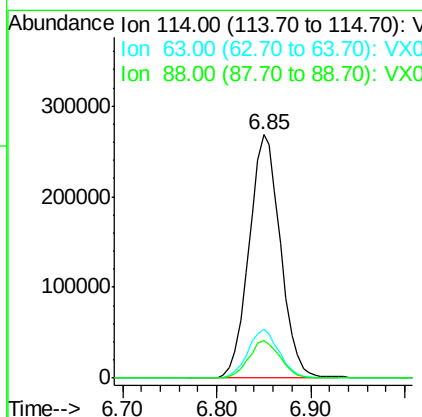
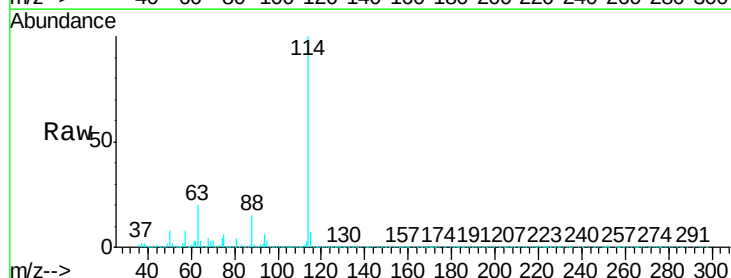
Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-58-1SDL

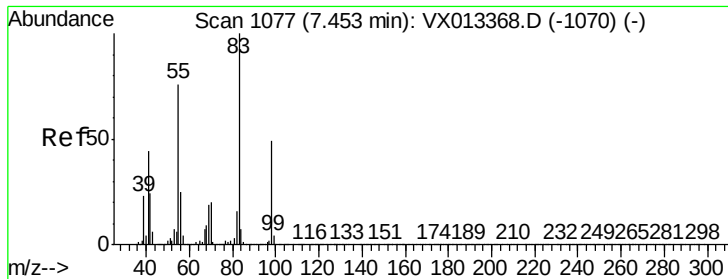
Tgt Ion: 65 Resp: 240200
 Ion Ratio Lower Upper
 65 100
 67 52.4 41.0 61.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: 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

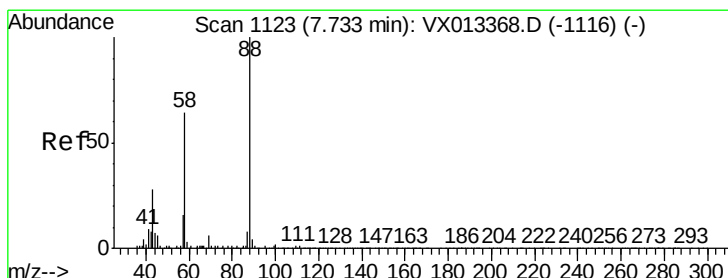
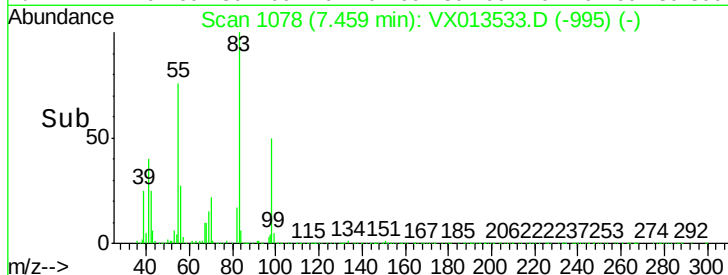
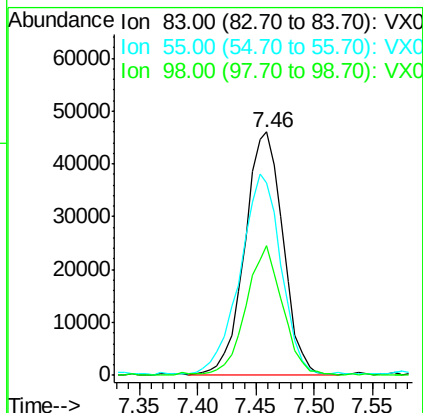
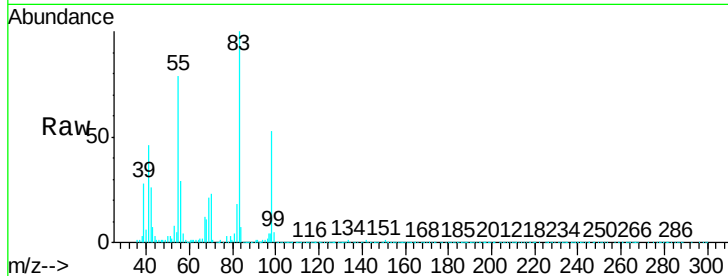




#38
Methylcyclohexane
Concen: 8.896 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

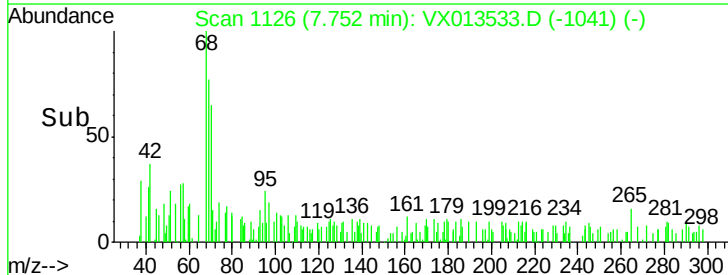
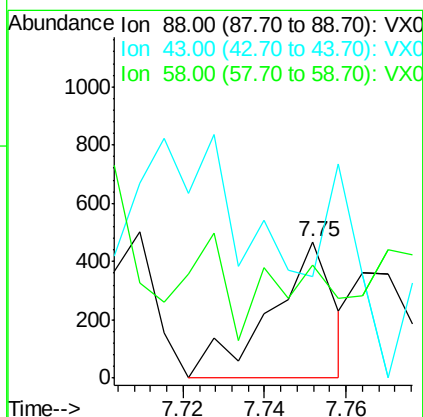
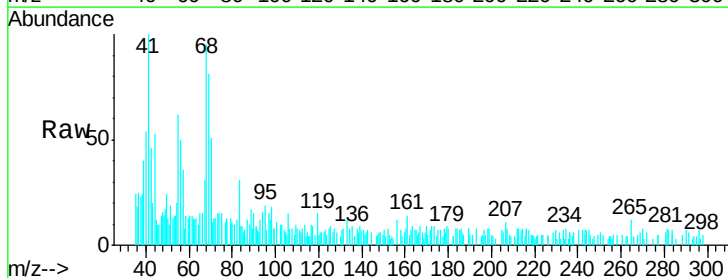
Instrument :
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ClientSampleId :
GE-MW-58-1SDL

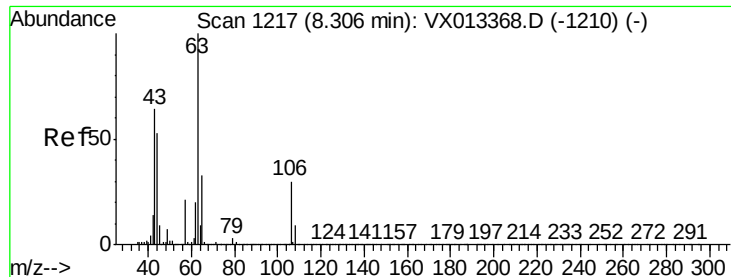
Tgt Ion: 83 Resp: 104389
Ion Ratio Lower Upper
83 100
55 88.3 37.9 113.7
98 51.5 25.1 75.3



#45
1,4-Dioxane
Concen: 2.480 ug/l
RT: 7.75 min Scan# 1126
Delta R.T. 0.02 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

Tgt Ion: 88 Resp: 507
Ion Ratio Lower Upper
88 100
43 0.0 26.1 39.1#
58 29.0 55.8 83.8#

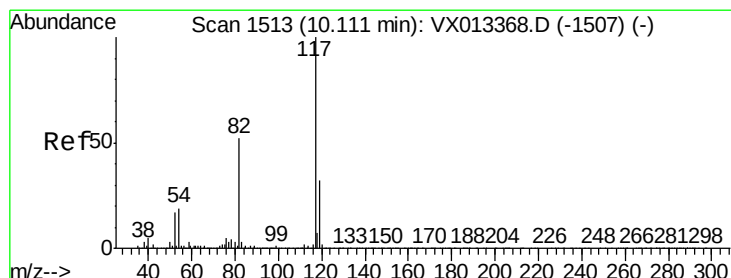
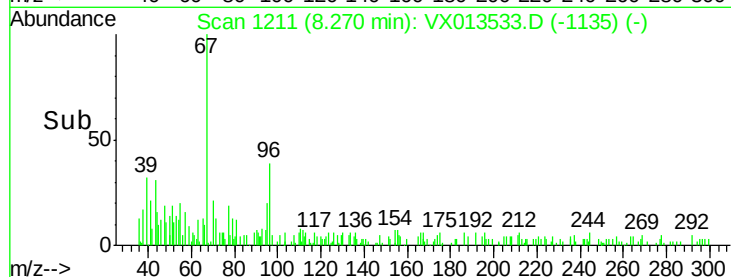
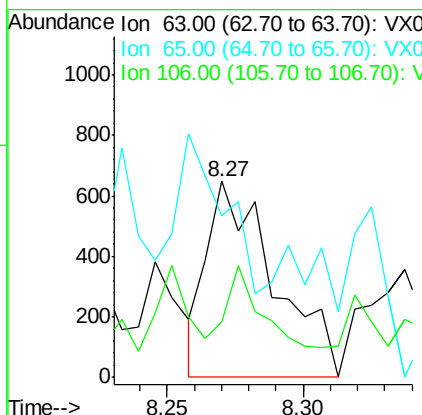
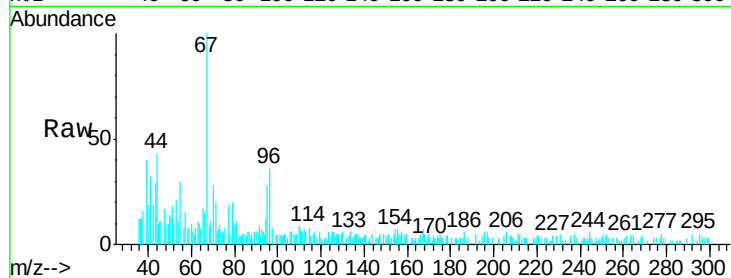




#55
 2-Chloroethyl vinyl ether
 Concen: 0.214 ug/l
 RT: 8.27 min Scan# 1211
 Delta R.T. -0.04 min
 Lab File: VX013533.D
 Acq: 22 Nov 2019 15:12

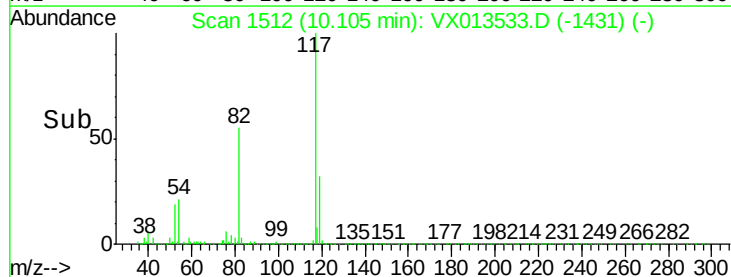
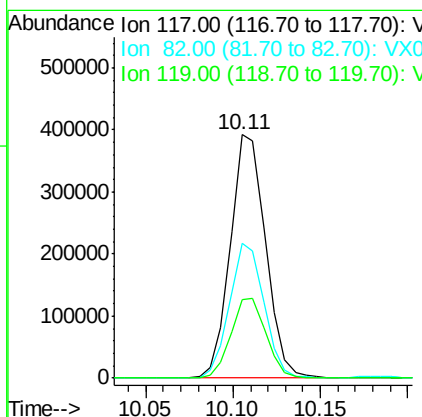
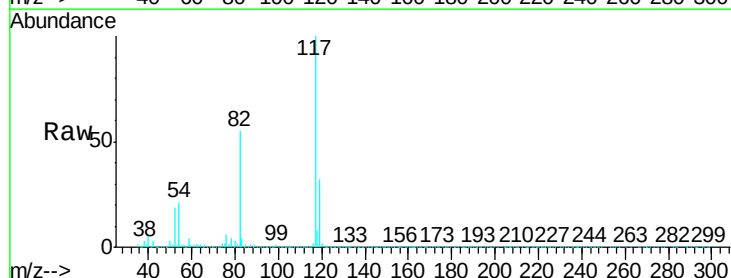
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 MSVOA_X
 ClientSampled :
 GE-MW-58-1SDL

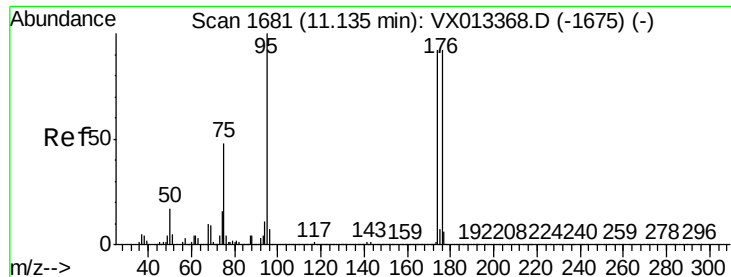
Tgt Ion: 63 Resp: 1114
 Ion Ratio Lower Upper
 63 100
 65 14.3 26.0 39.0#
 106 20.2 23.5 35.3#



#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: 117 Resp: 548538
 Ion Ratio Lower Upper
 117 100
 82 54.6 43.7 65.5
 119 32.9 25.5 38.3

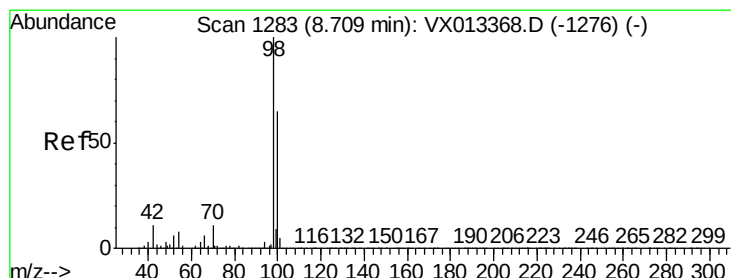
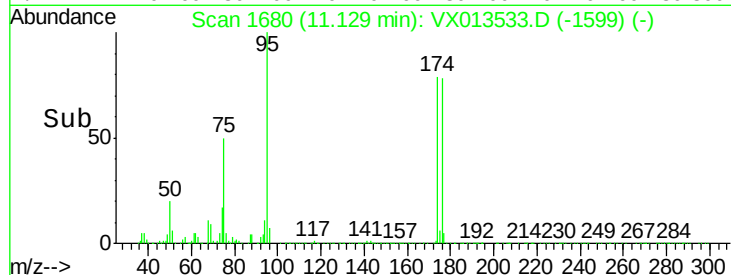
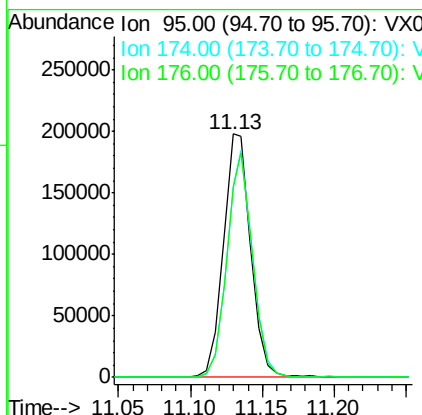
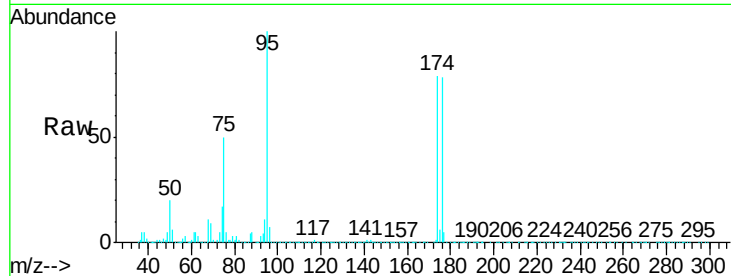




#60
4-Bromofluorobenzene
Concen: 29.885 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

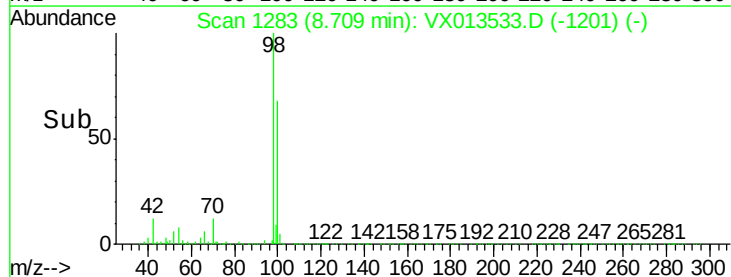
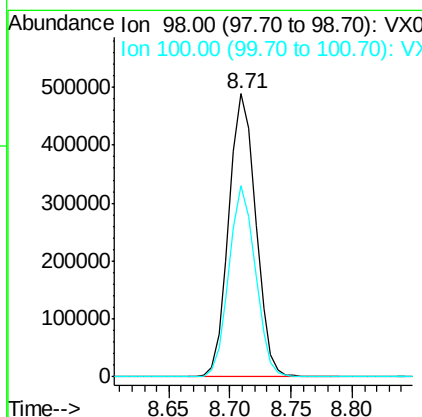
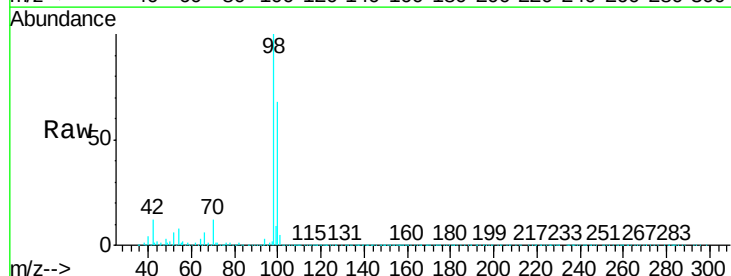
Instrument :
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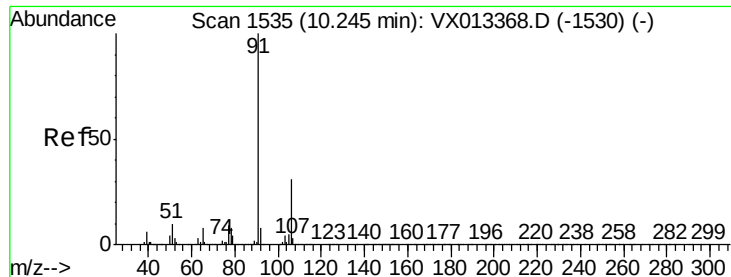
Tgt Ion: 95 Resp: 263478
Ion Ratio Lower Upper
95 100
174 86.6 70.2 105.2
176 86.1 68.3 102.5



#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

ClientSampled :

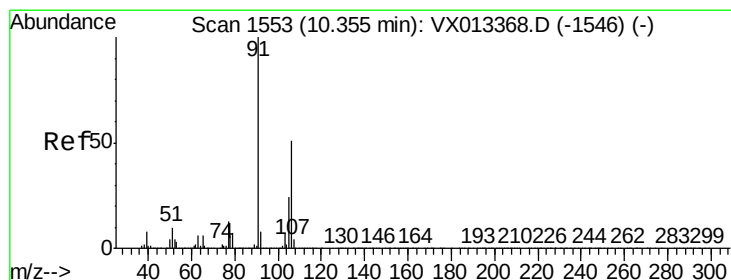
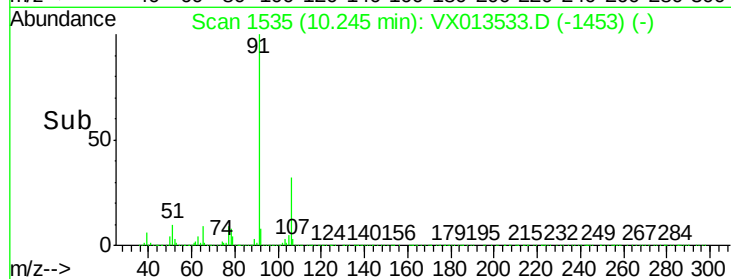
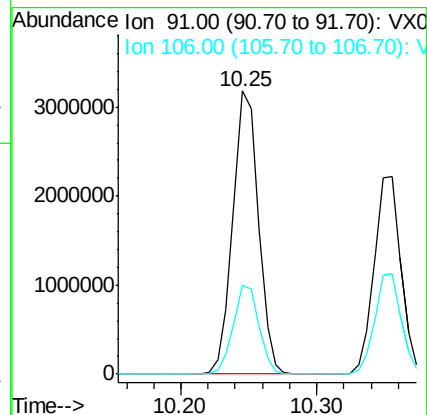
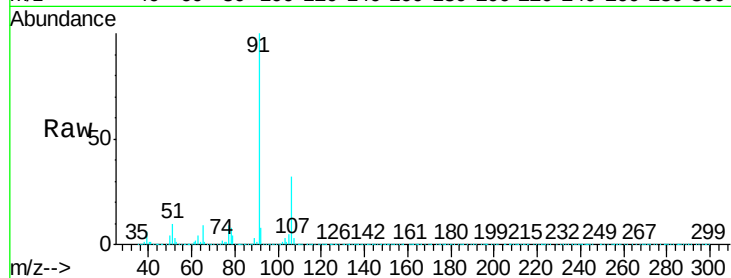
GE-MW-58-1SDL

Tgt Ion: 91 Resp: 4174065

Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.4



#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

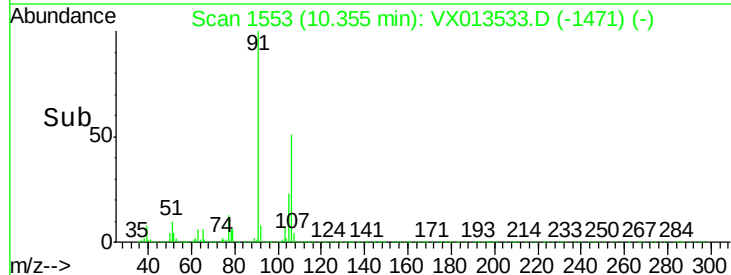
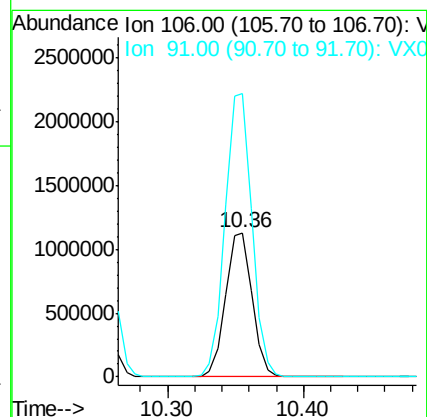
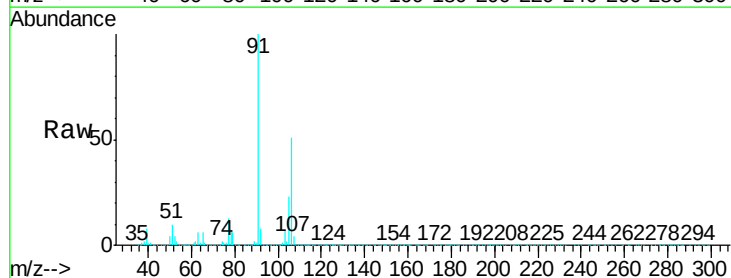
Acq: 22 Nov 2019 15:12

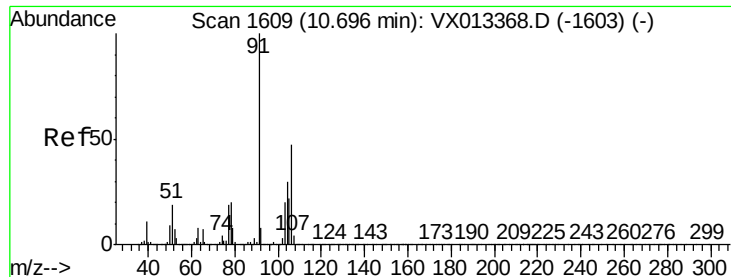
Tgt Ion: 106 Resp: 1526727

Ion Ratio Lower Upper

106 100

91 198.9 158.4 237.6

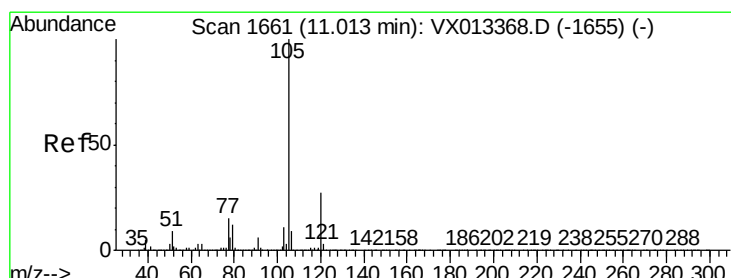
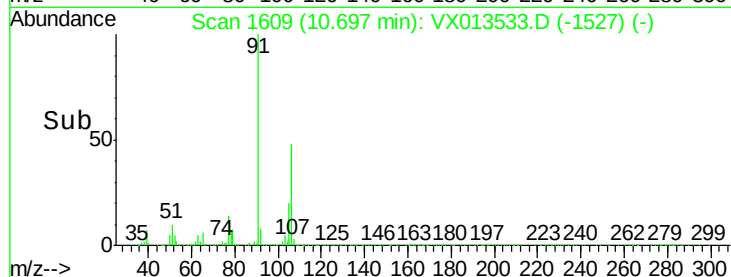
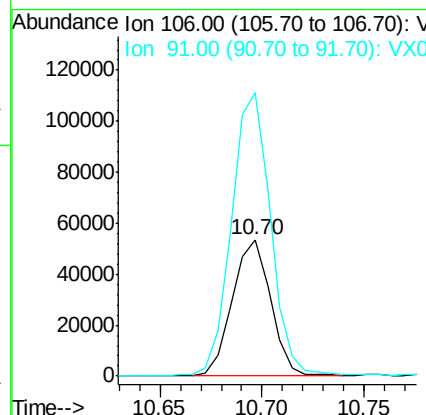
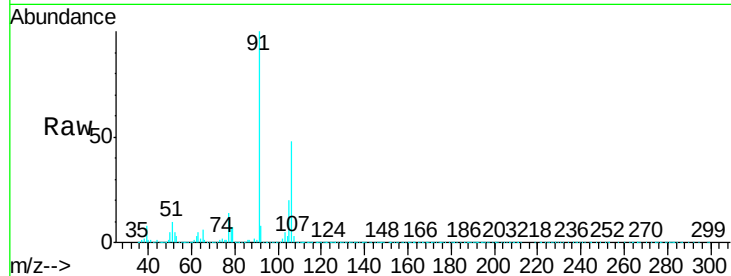




#68
o-Xylene
Concen: 5.489 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

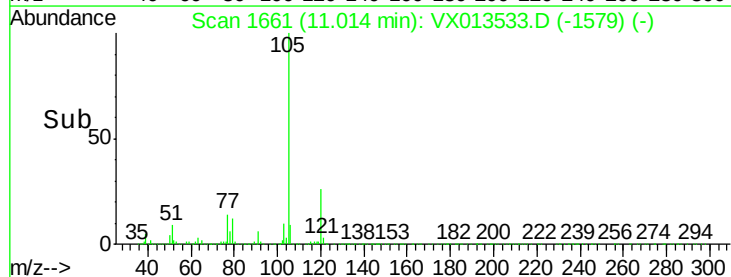
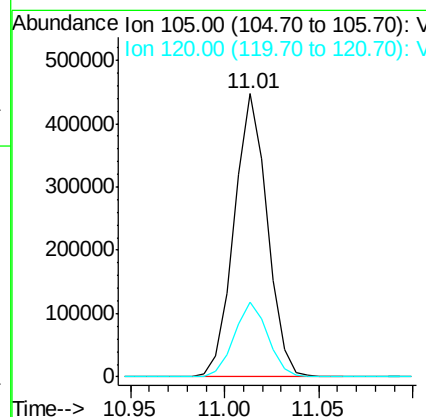
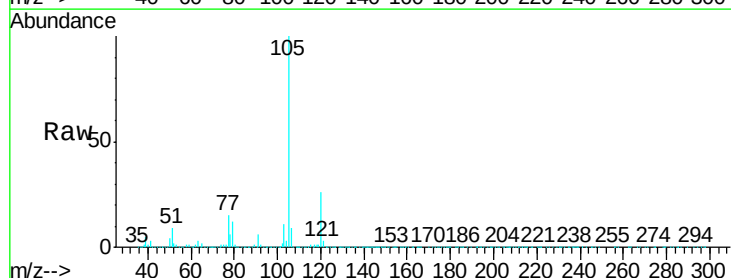
Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1SDL

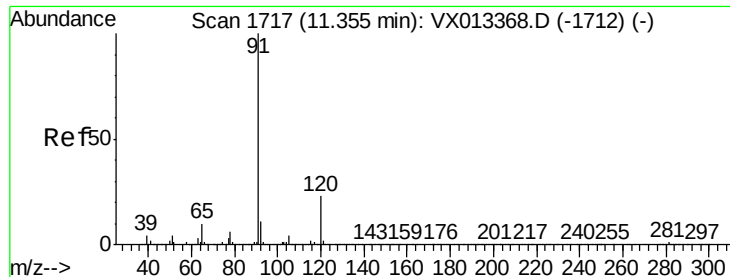
Tgt Ion:106 Resp: 68589
Ion Ratio Lower Upper
106 100
91 213.5 106.4 319.2



#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 :

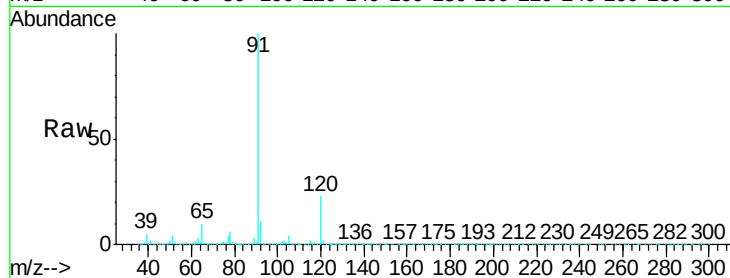
GE-MW-58-1SDL

Tgt Ion: 91 Resp: 1609008

Ion Ratio Lower Upper

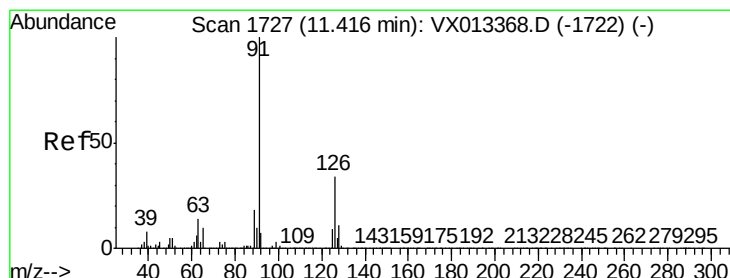
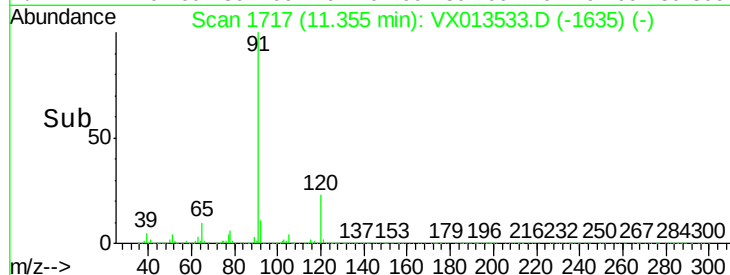
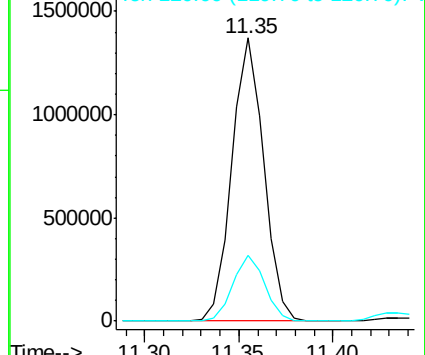
91 100

120 23.1 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 0.979 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. 0.01 min

Lab File: VX013533.D

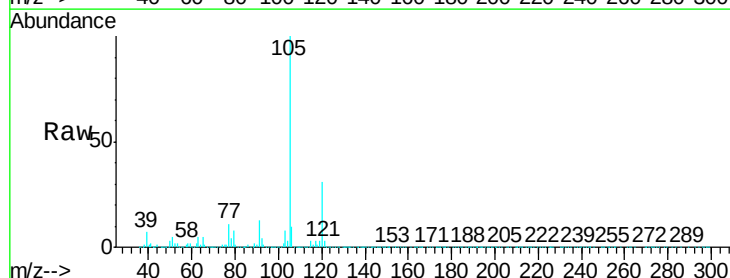
Acq: 22 Nov 2019 15:12

Tgt Ion: 91 Resp: 21795

Ion Ratio Lower Upper

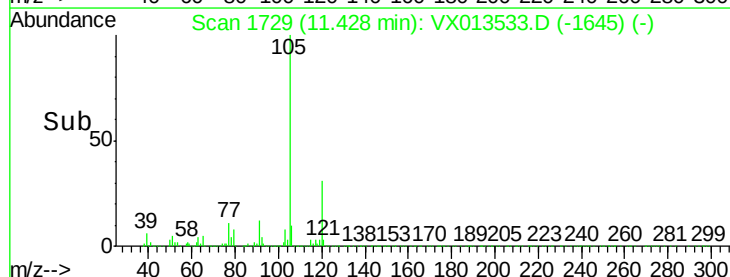
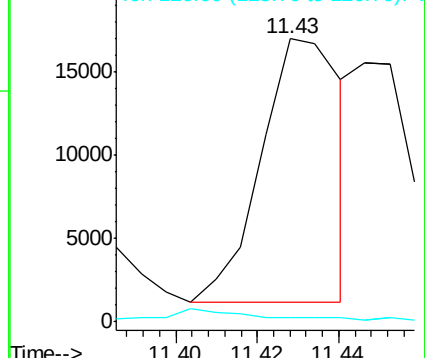
91 100

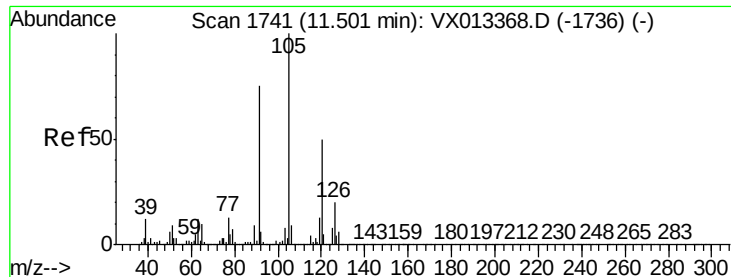
126 0.8 0.0 69.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#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

Instrument :

MSVOA_X

ClientSampleId :

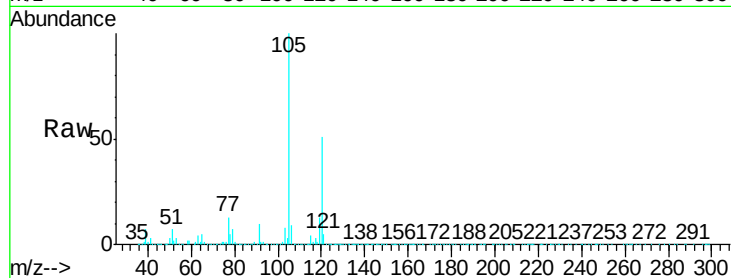
GE-MW-58-1SDL

Tgt Ion:105 Resp: 1741532

Ion Ratio Lower Upper

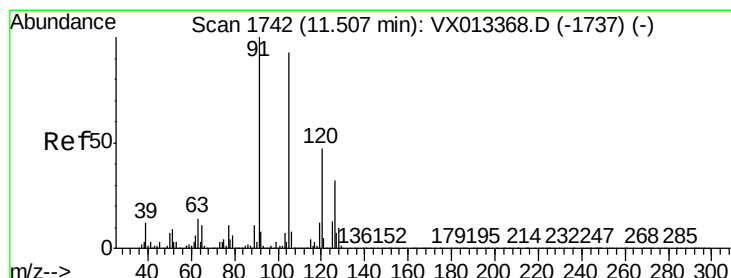
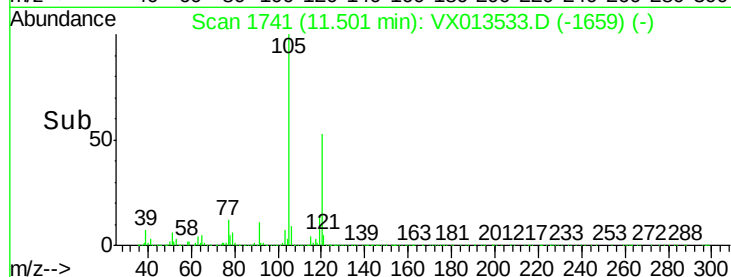
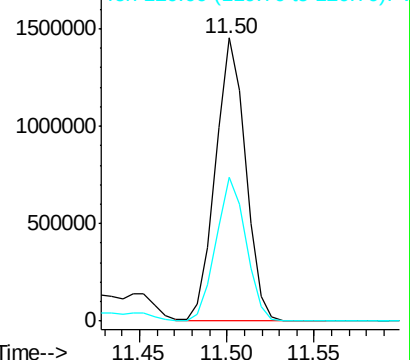
105 100

120 50.4 0.0 100.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

4-Chlorotoluene

Concen: 6.972 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX013533.D

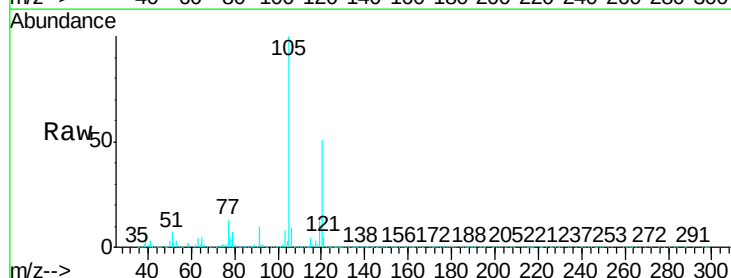
Acq: 22 Nov 2019 15:12

Tgt Ion: 91 Resp: 177756

Ion Ratio Lower Upper

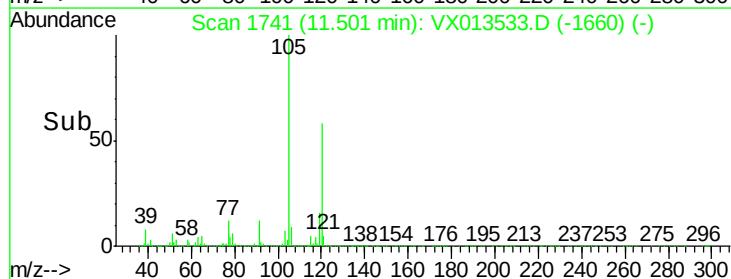
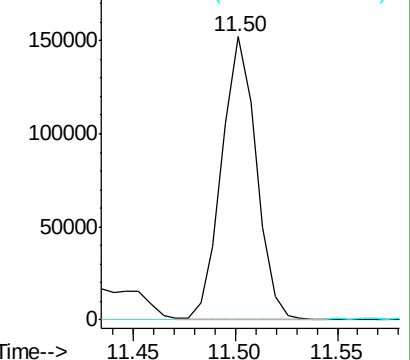
91 100

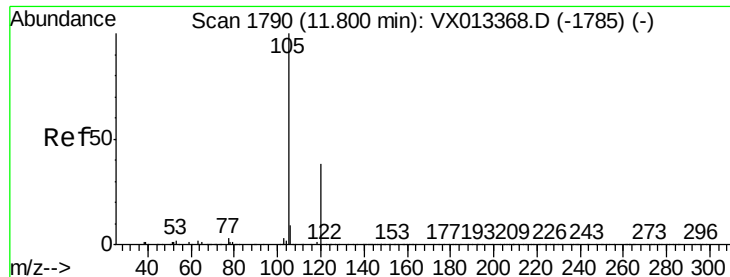
126 0.1 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

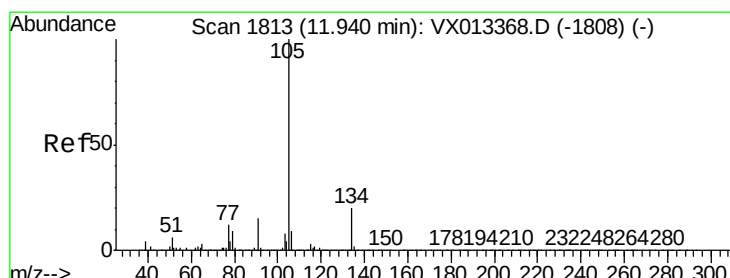
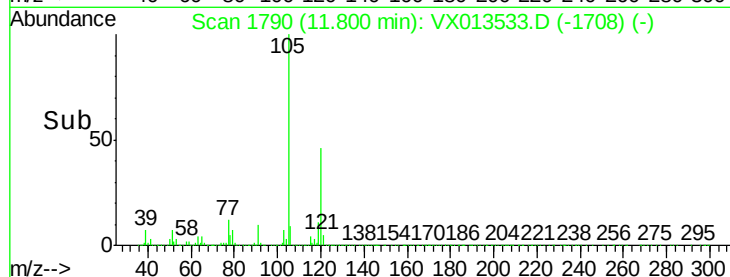
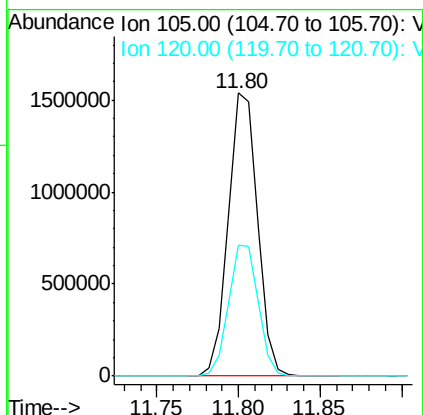
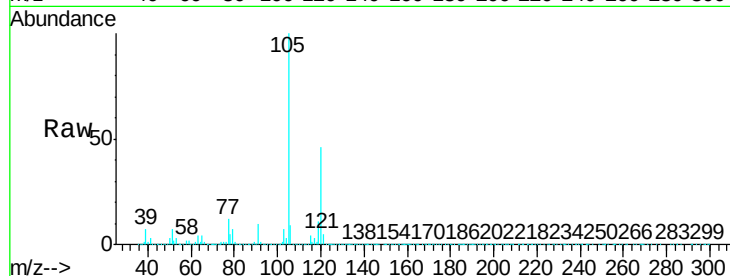




#80
 1,2,4-Trimethylbenzene
 Concen: 69.419 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX013533.D
 Acq: 22 Nov 2019 15:12

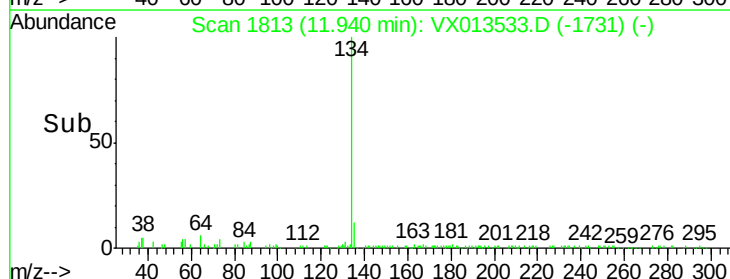
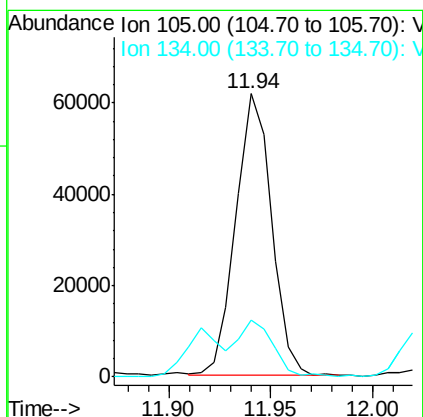
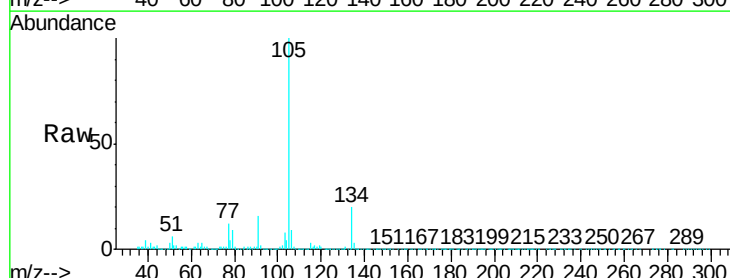
Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-58-1SDL

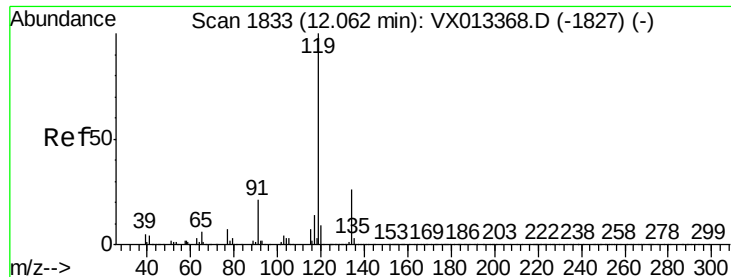
Tgt Ion:105 Resp: 1914638
 Ion Ratio Lower Upper
 105 100
 120 46.8 0.0 94.0



#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

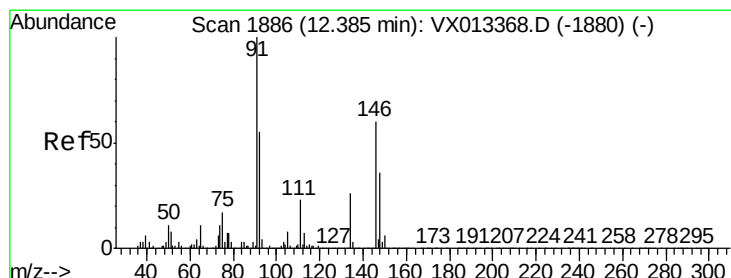
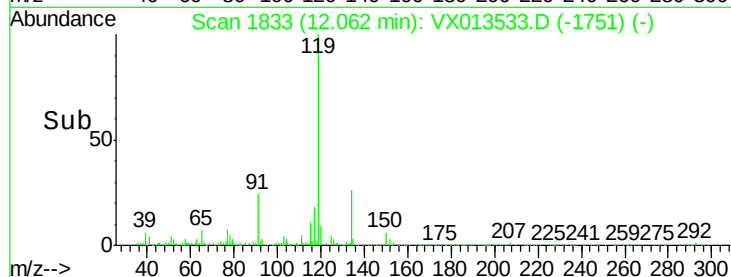
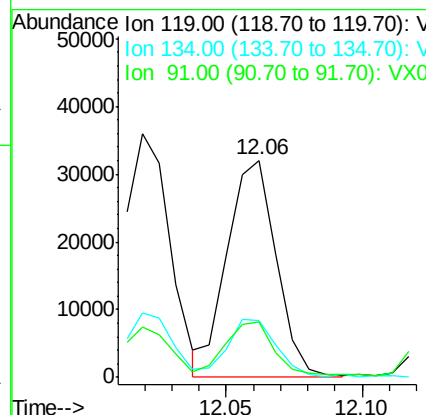
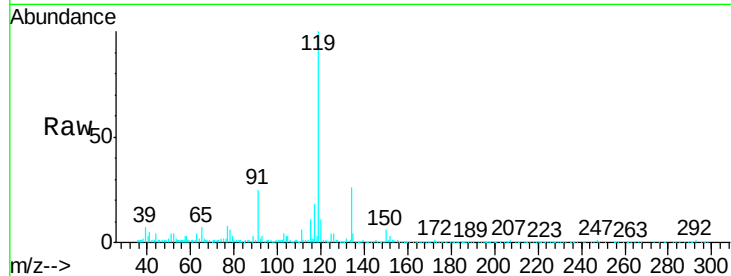




#82
p-Isopropyltoluene
Concen: 1.362 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

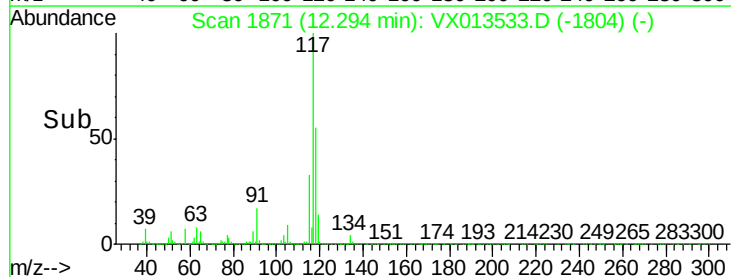
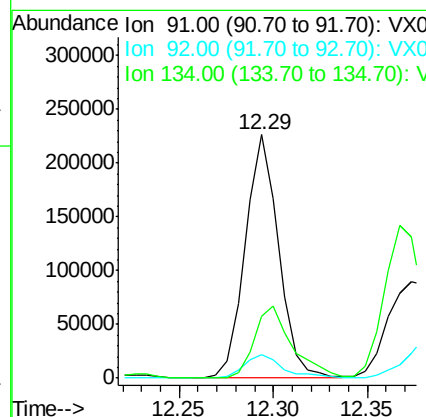
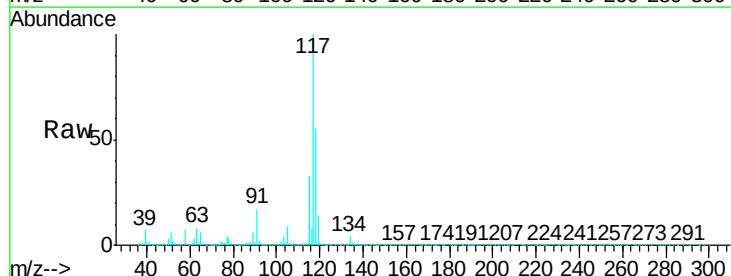
Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1SDL

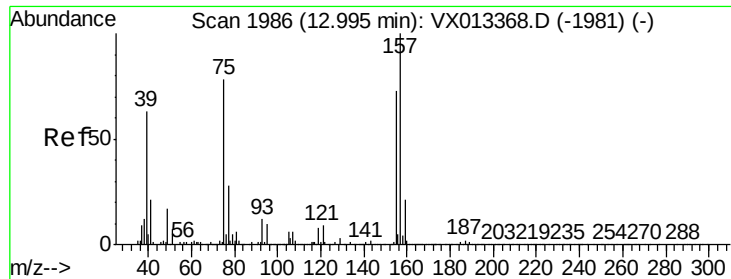
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	39996		
134	25.9	0.0	51.6	
91	24.2	0.0	44.2	



#85
n-Butylbenzene
Concen: 10.931 ug/l
RT: 12.29 min Scan# 1871
Delta R.T. -0.09 min
Lab File: VX013533.D
Acq: 22 Nov 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	276941		
92	11.5	0.0	109.0	
134	33.4	0.0	53.0	

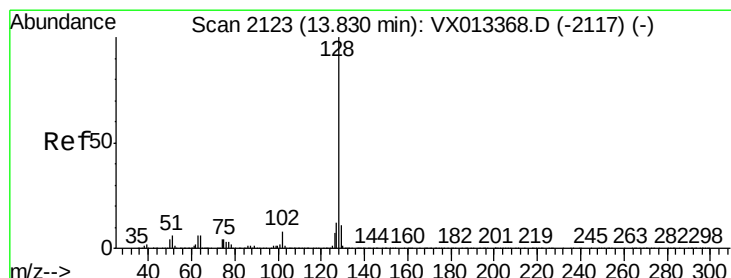
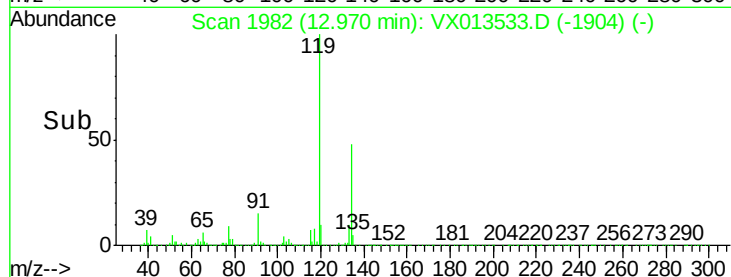
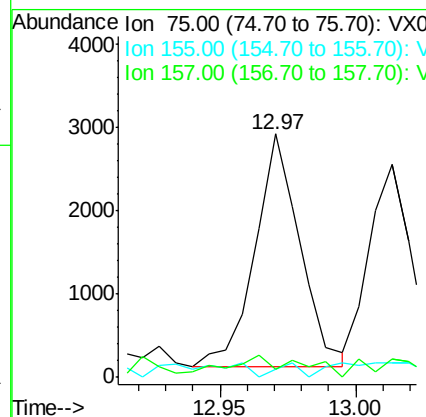
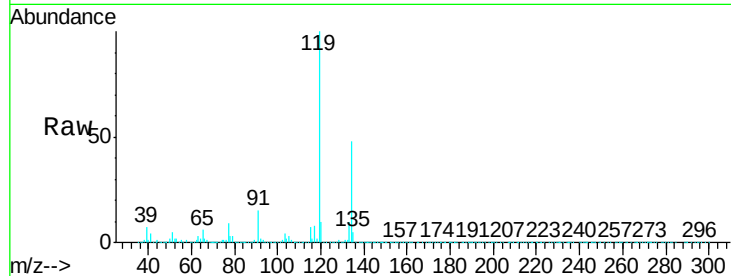




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 1.208 ug/l
 RT: 12.97 min Scan# 1982
 Delta R.T. -0.02 min
 Lab File: VX013533.D
 Acq: 22 Nov 2019 15:12

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

Tgt Ion: 75 Resp: 3184
 Ion Ratio Lower Upper
 75 100
 155 3.0 76.9 115.3#
 157 6.0 101.2 151.8#



#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

Tgt Ion: 128 Resp: 1958747
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.2 15.2
 129 10.8 8.8 13.2

