

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013528.D
 Acq On : 22 Nov 2019 13:15
 Operator : JC/SP
 Sample : K5804-01DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Nov 22 14:42:08 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	109964	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	624007	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	536289	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	237728	29.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.60%
60) 4-Bromofluorobenzene	11.14	95	248840	28.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.23%
63) Toluene-d8	8.71	98	738168	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

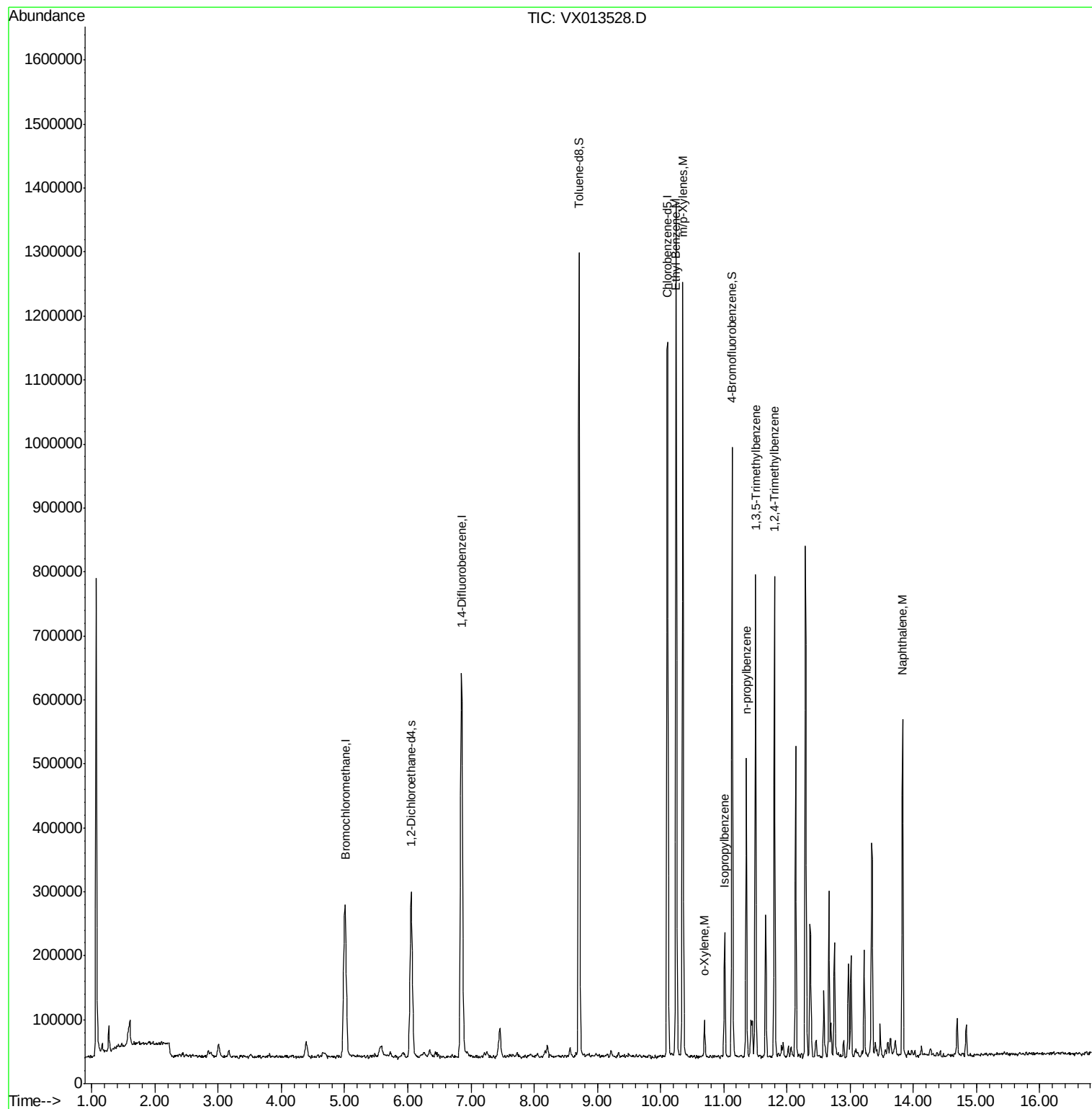
					Ovalue
66) Ethyl Benzene	10.25	91	764561	23.297	ug/l 98
67) m/p-Xylenes	10.35	106	278988	22.038	ug/l 98
68) o-Xylene	10.70	106	12908	1.057	ug/l 97
70) Isopropylbenzene	11.01	105	98174	3.050	ug/l 100
74) n-propylbenzene	11.35	91	275221	7.523	ug/l 100
76) 1,3,5-Trimethylbenzene	11.50	105	313576	11.589	ug/l 99
80) 1,2,4-Trimethylbenzene	11.80	105	342007	12.683	ug/l 97
91) Naphthalene	13.83	128	323566	9.931	ug/l 100

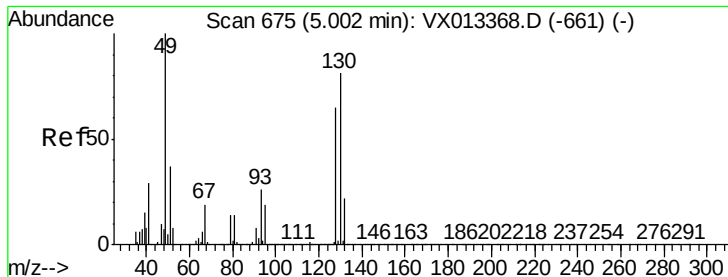
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 22 14:42:08 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: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX013528.D

Acq: 22 Nov 2019 13:15

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-58-1SDL

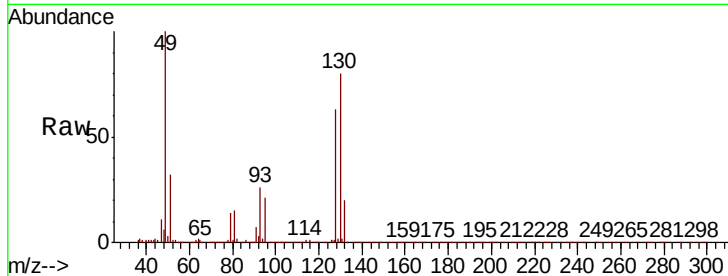
Tot Ion:128 Resp: 109964

Ion Ratio Lower Upper

128 100

49 158.2 0.0 388.3

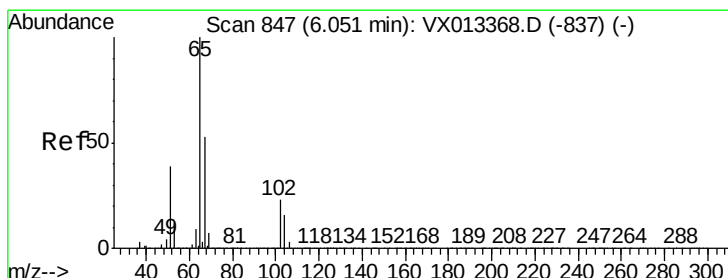
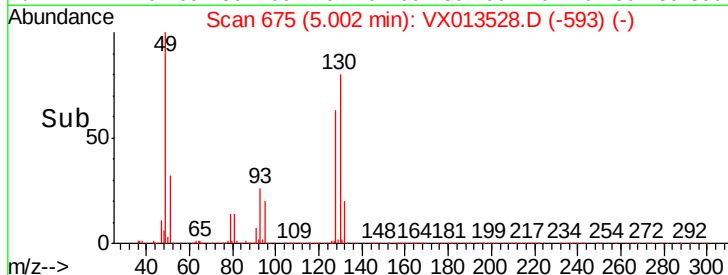
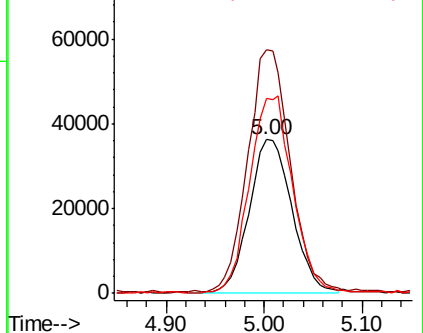
130 129.9 0.0 318.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 29.277 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013528.D

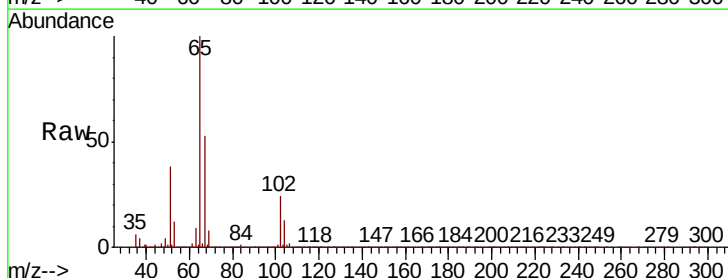
Acq: 22 Nov 2019 13:15

Tgt Ion: 65 Resp: 237728

Ion Ratio Lower Upper

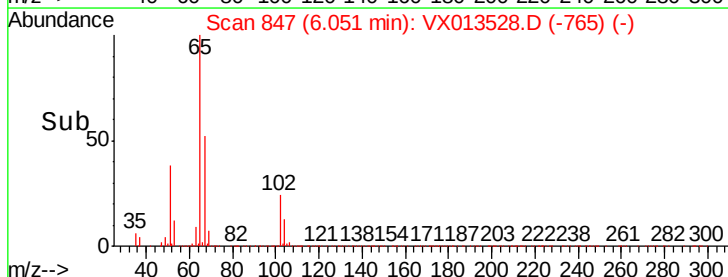
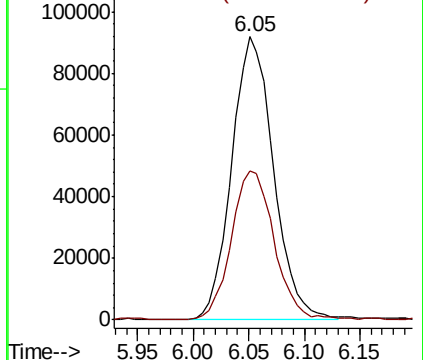
65 100

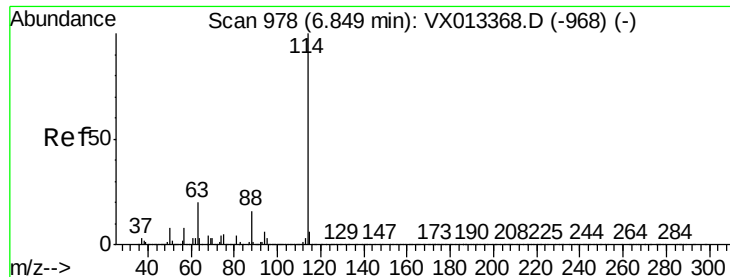
67 52.9 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

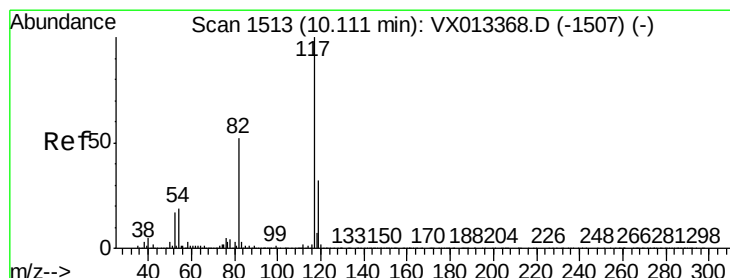
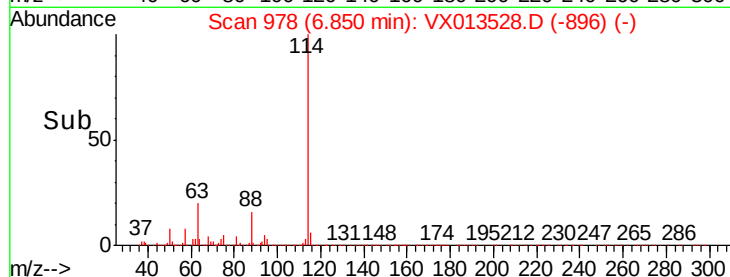
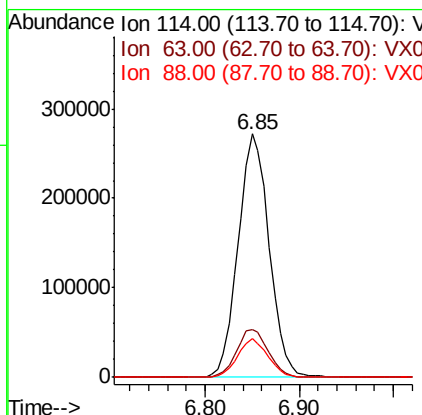
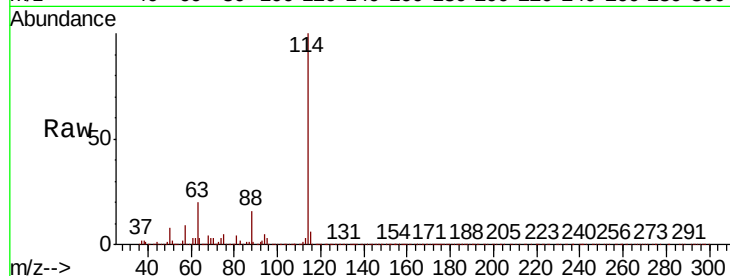




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013528.D
Acq: 22 Nov 2019 13:15

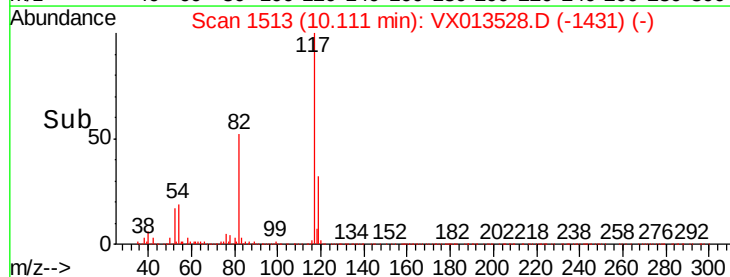
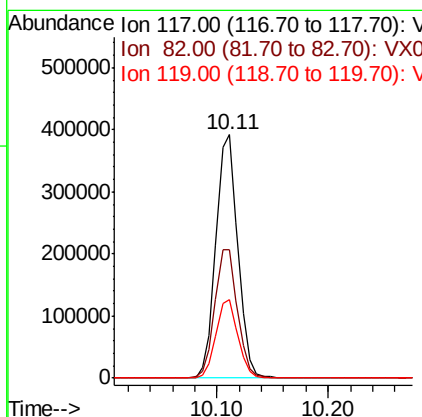
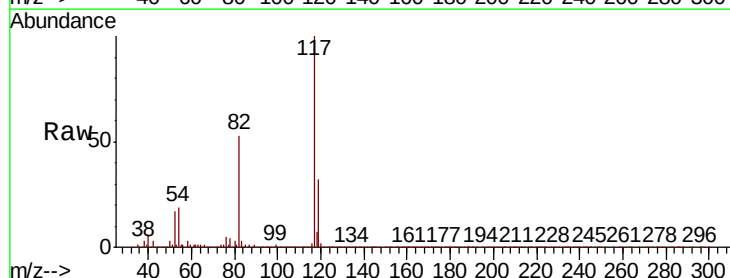
Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1SDL

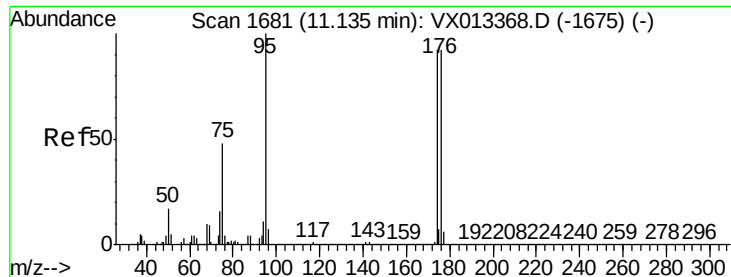
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.1	24.1
88	15.4	12.3	18.5



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013528.D
Acq: 22 Nov 2019 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.7	65.5
119	32.0	25.5	38.3





#60

4-Bromofluorobenzene

Concen: 28.869 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013528.D

Acq: 22 Nov 2019 13:15

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-58-1SDL

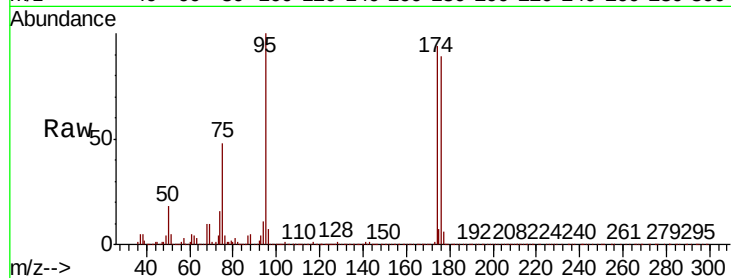
Tot Ion: 95 Resp: 248840

Ion Ratio Lower Upper

95 100

174 89.6 70.2 105.2

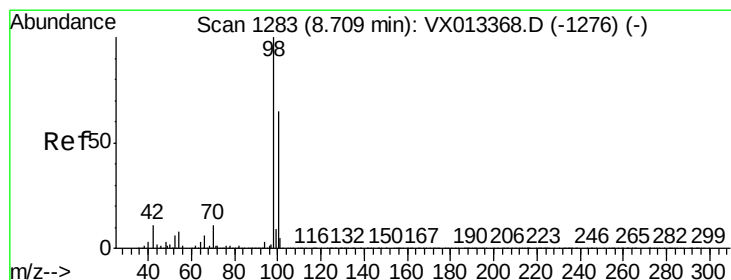
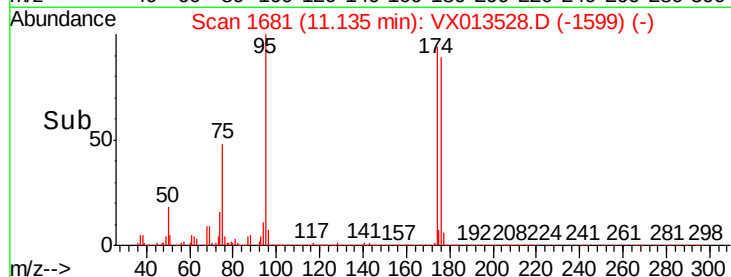
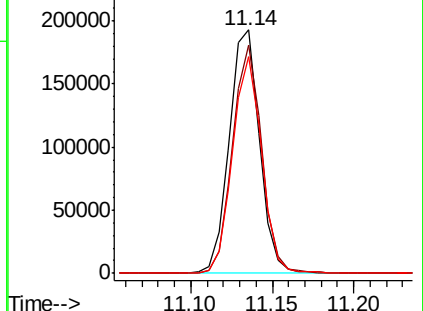
176 85.7 68.3 102.5



Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Toluene-d8

Concen: 30.439 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013528.D

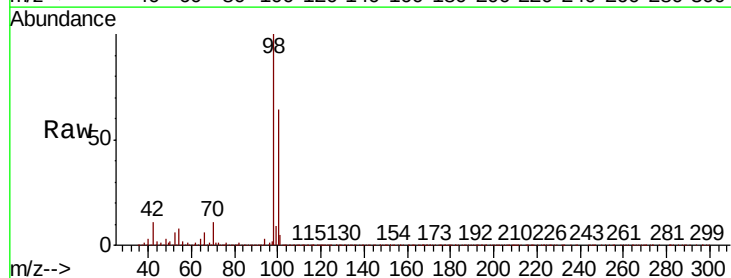
Acq: 22 Nov 2019 13:15

Tgt Ion: 98 Resp: 738168

Ion Ratio Lower Upper

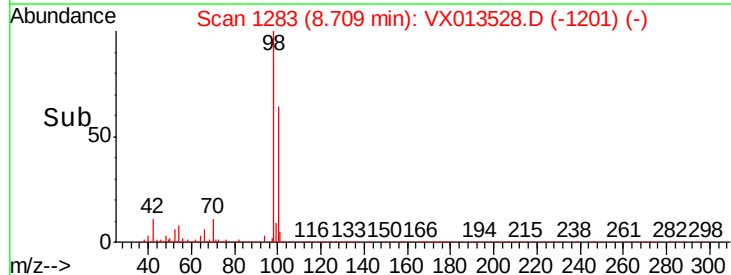
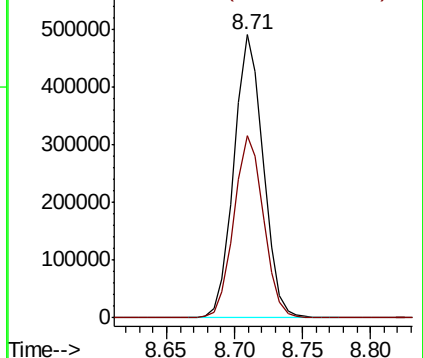
98 100

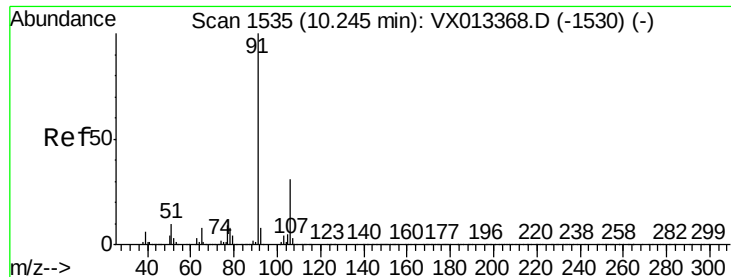
100 65.1 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#66

Ethyl Benzene

Concen: 23.297 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013528.D

Acq: 22 Nov 2019 13:15

Instrument :

MSVOA_X

ClientSampleId :

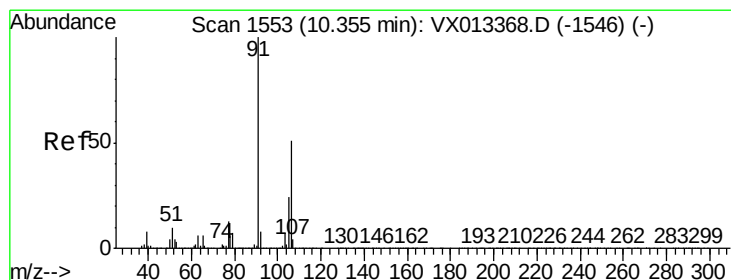
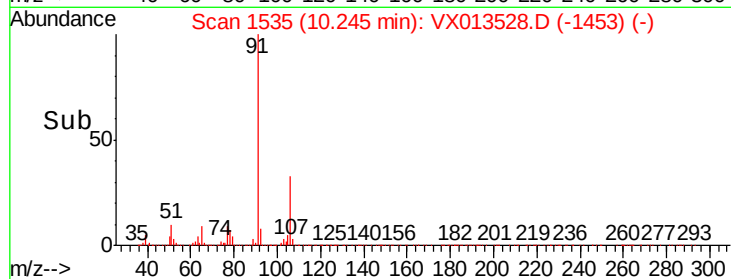
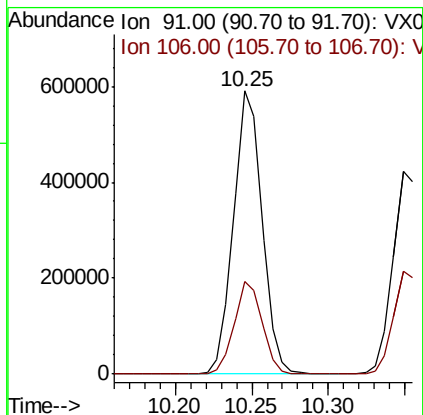
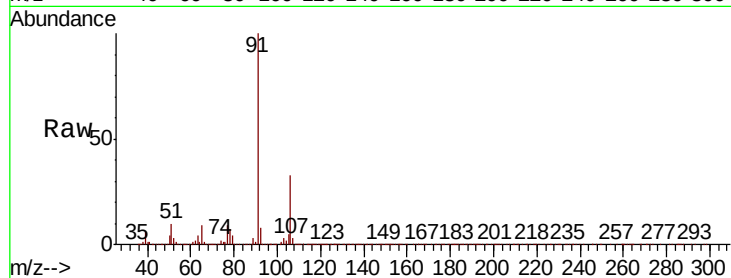
GE-MW-58-1SDL

Tot Ion: 91 Resp: 764561

Ion Ratio Lower Upper

91 100

106 32.5 25.0 37.4



#67

m/p-Xylenes

Concen: 22.038 ug/l

RT: 10.35 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VX013528.D

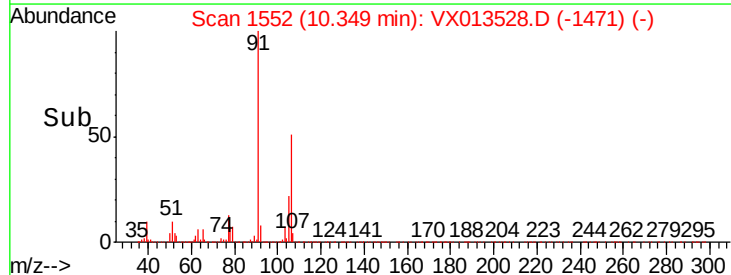
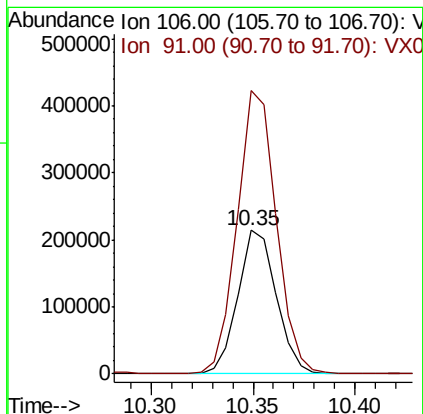
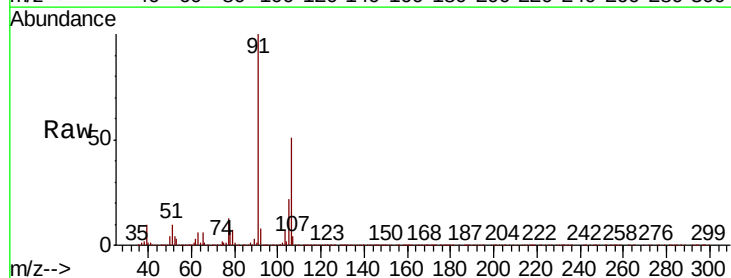
Acq: 22 Nov 2019 13:15

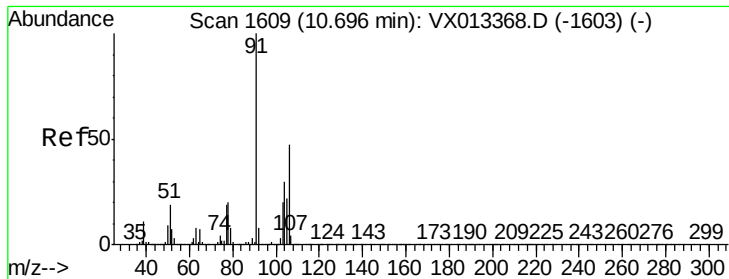
Tgt Ion: 106 Resp: 278988

Ion Ratio Lower Upper

106 100

91 201.5 158.4 237.6

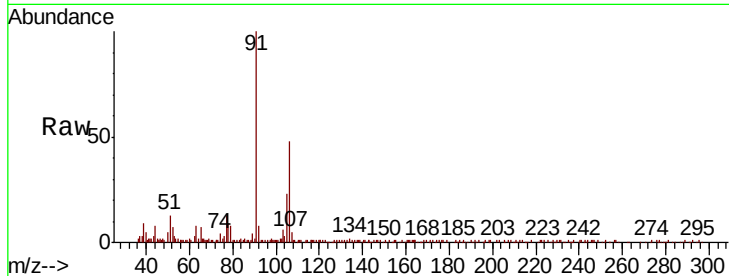




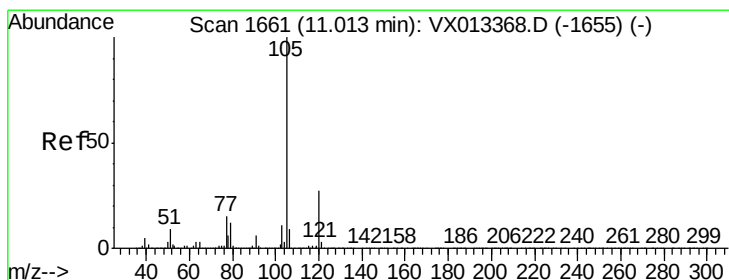
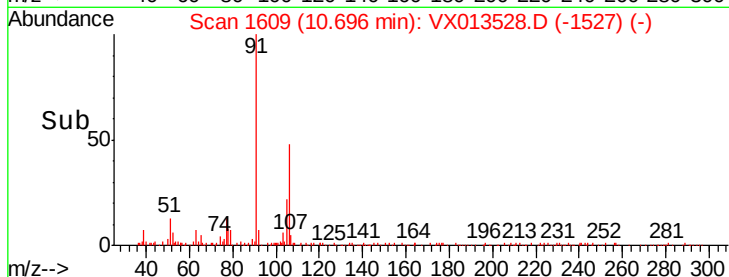
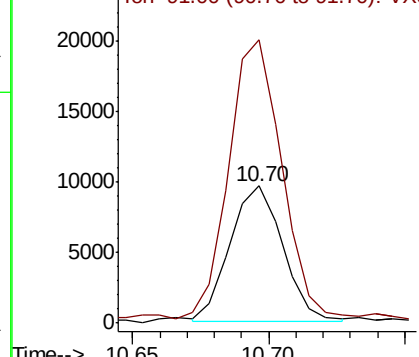
#68
o-Xylene
Concen: 1.057 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013528.D
Acq: 22 Nov 2019 13:15

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

Tot Ion:106 Resp: 12908
Ion Ratio Lower Upper
106 100
91 208.1 106.4 319.2

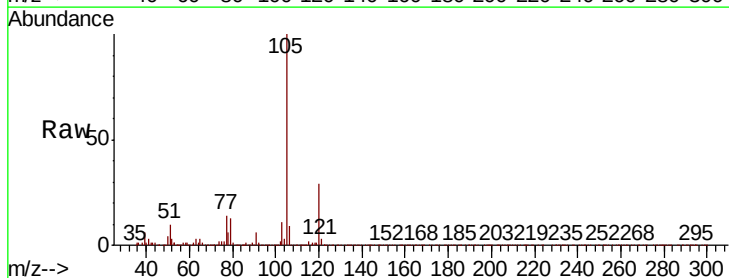


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

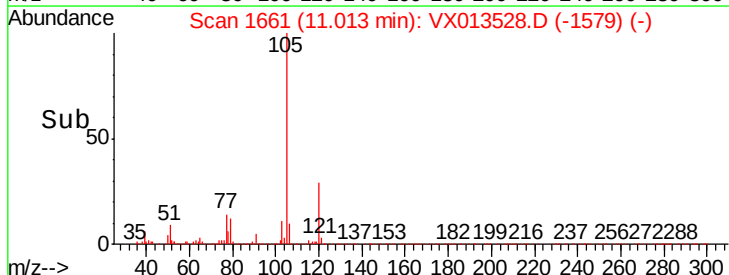
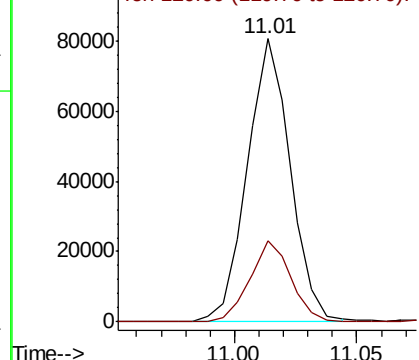


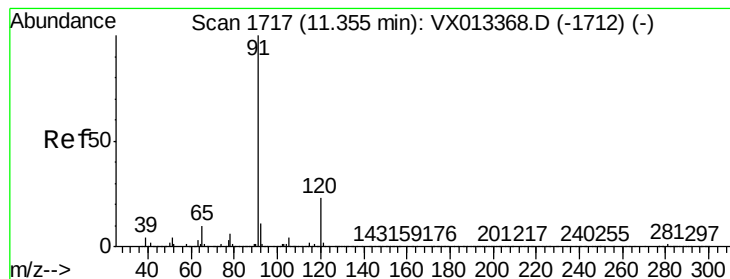
#70
Isopropylbenzene
Concen: 3.050 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013528.D
Acq: 22 Nov 2019 13:15

Tgt Ion:105 Resp: 98174
Ion Ratio Lower Upper
105 100
120 27.0 18.8 34.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

n-propylbenzene

Concen: 7.523 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013528.D

Acq: 22 Nov 2019 13:15

Instrument :

MSVOA_X

ClientSampled :

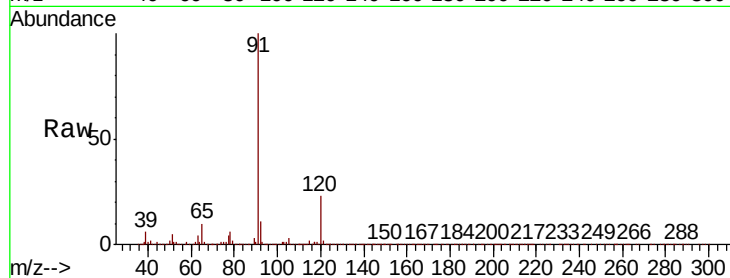
GE-MW-58-1SDL

Tot Ion: 91 Resp: 275221

Ion Ratio Lower Upper

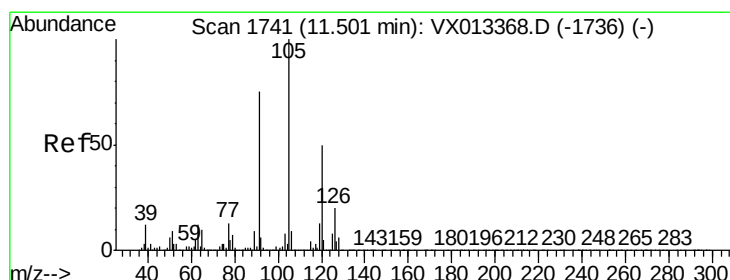
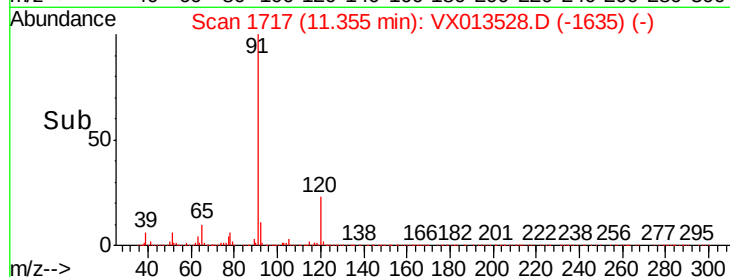
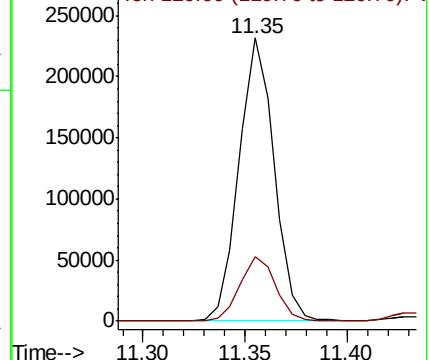
91 100

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



#76

1,3,5-Trimethylbenzene

Concen: 11.589 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013528.D

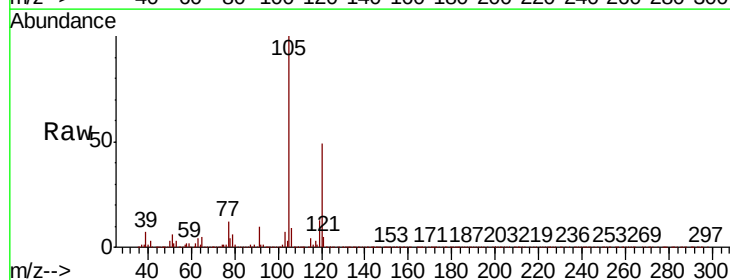
Acq: 22 Nov 2019 13:15

Tgt Ion:105 Resp: 313576

Ion Ratio Lower Upper

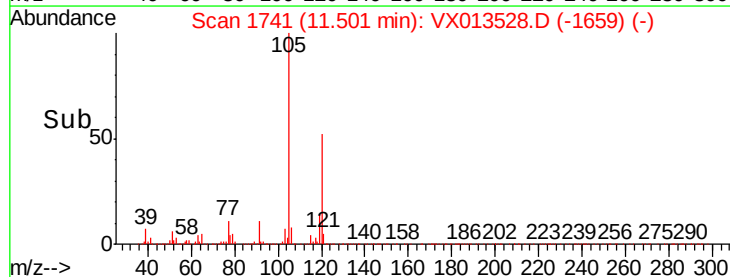
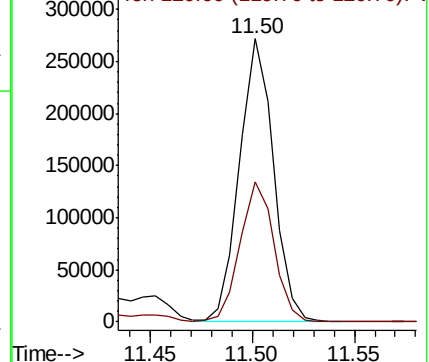
105 100

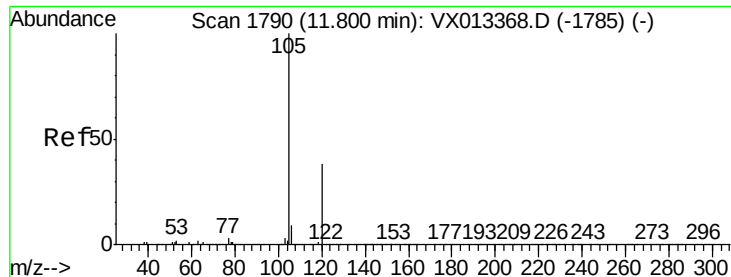
120 49.3 0.0 100.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

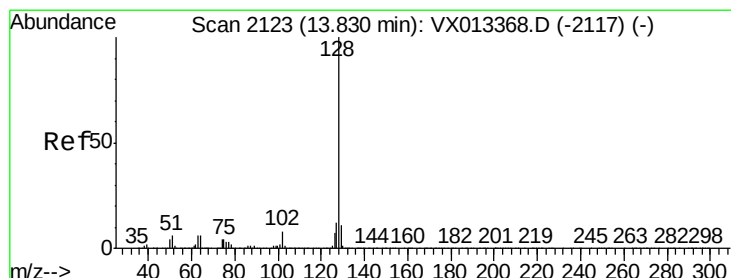
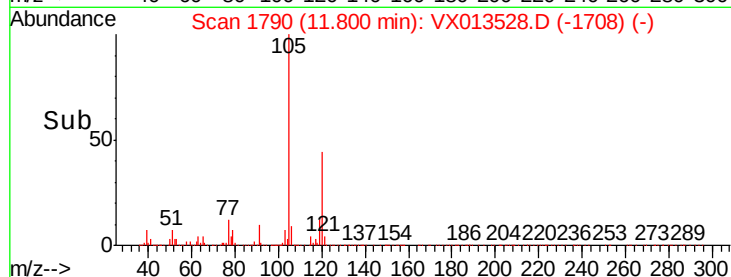
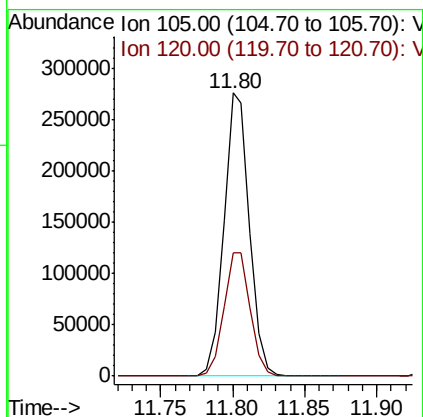
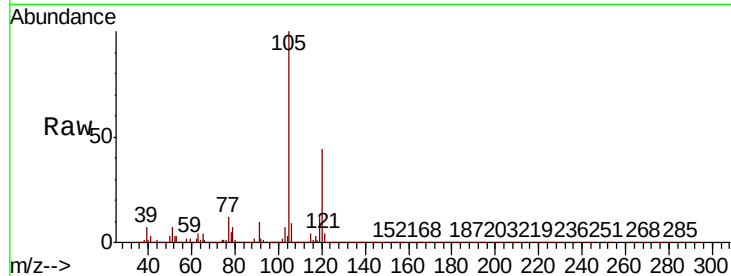




#80
 1,2,4-Trimethylbenzene
 Concen: 12.683 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX013528.D
 Acq: 22 Nov 2019 13:15

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

Tot Ion:105 Resp: 342007
 Ion Ratio Lower Upper
 105 100
 120 45.2 0.0 94.0



#91
 Naphthalene
 Concen: 9.931 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX013528.D
 Acq: 22 Nov 2019 13:15

Tgt Ion:128 Resp: 323566
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.2 15.2
 129 10.7 8.8 13.2

