

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120519\
 Data File : VX013781.D
 Acq On : 05 Dec 2019 17:37
 Operator : JC/SP
 Sample : K6178-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 391203051.2

Quant Time: Dec 06 03:21:55 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	103446	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.85	114	565011	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	492953	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	214175	28.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.47%
60) 4-Bromofluorobenzene	11.14	95	224361	28.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.40%
63) Toluene-d8	8.71	98	666615	29.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.67%

Target Compounds

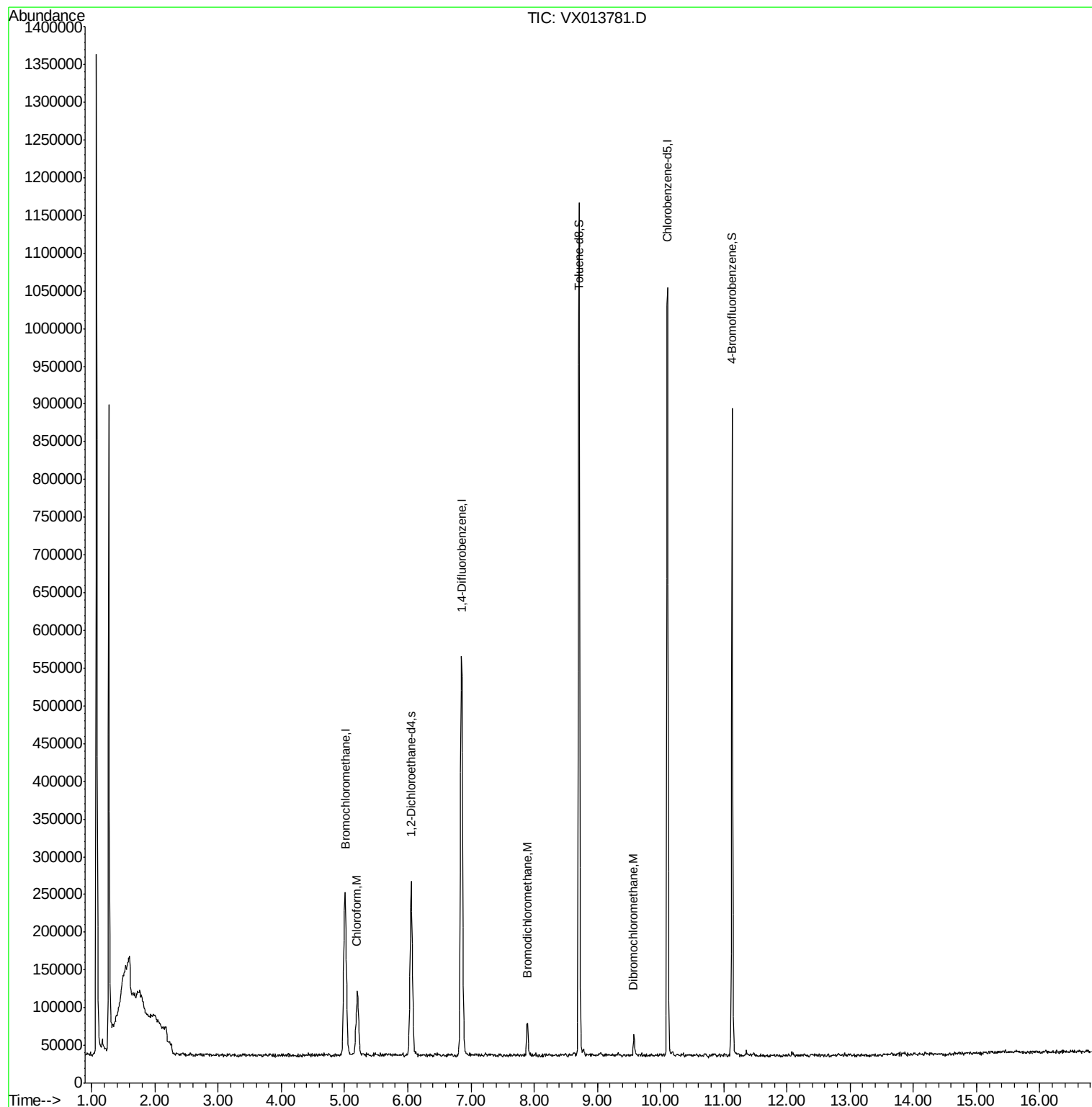
					Ovalue
25) Chloroform	5.20	83	102579	8.500 ug/l	92
41) Bromodichloromethane	7.89	83	31692	3.604 ug/l	95
53) Dibromochloromethane	9.57	129	11722	1.659 ug/l	95

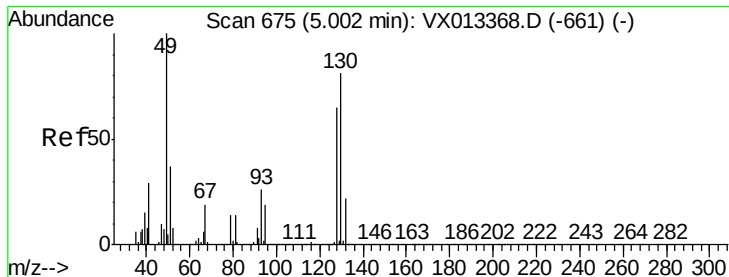
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 01:16:13 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX013781.D

Acq: 05 Dec 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

391203051.2

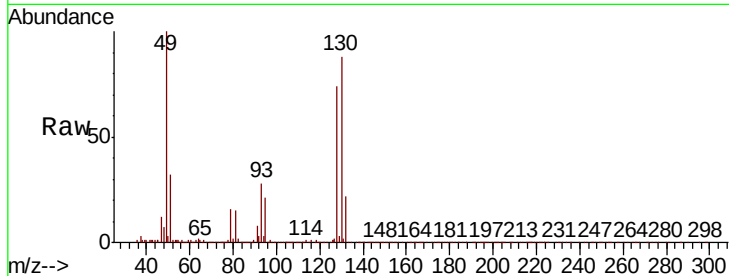
Tot Ion:128 Resp: 103446

Ion Ratio Lower Upper

128 100

49 148.5 0.0 388.3

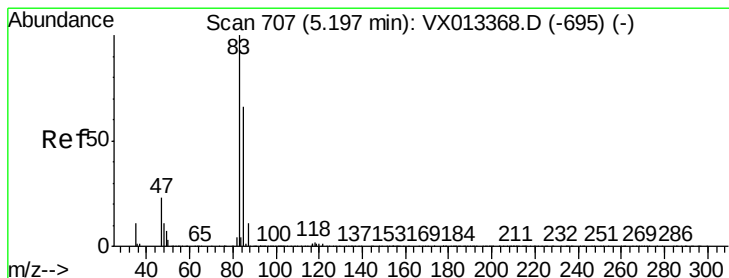
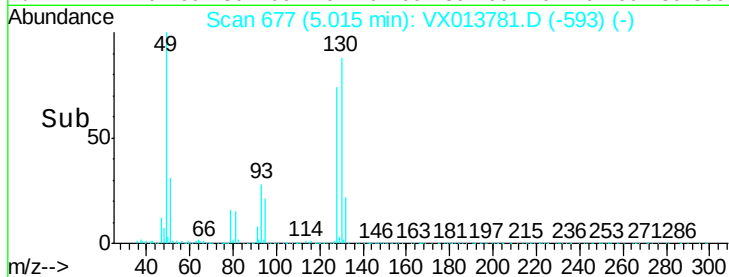
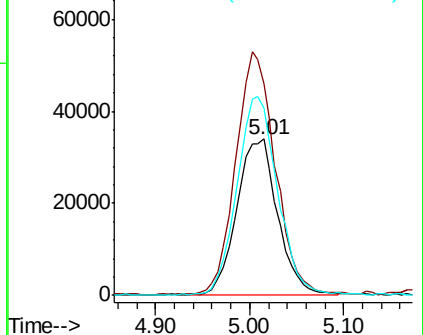
130 126.6 0.0 318.5



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



#25

Chloroform

Concen: 8.500 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013781.D

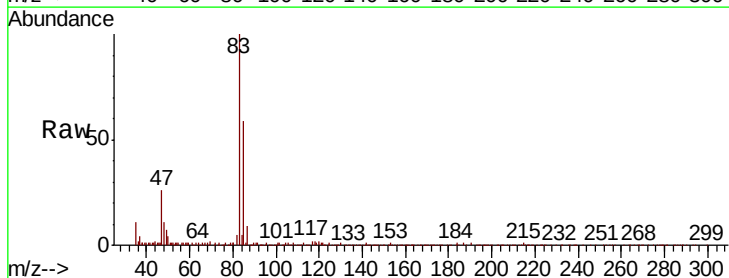
Acq: 05 Dec 2019 17:37

Tgt Ion: 83 Resp: 102579

Ion Ratio Lower Upper

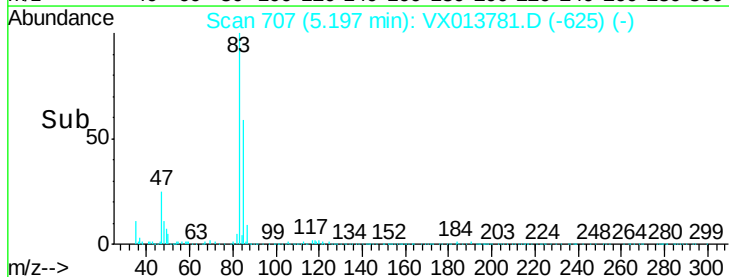
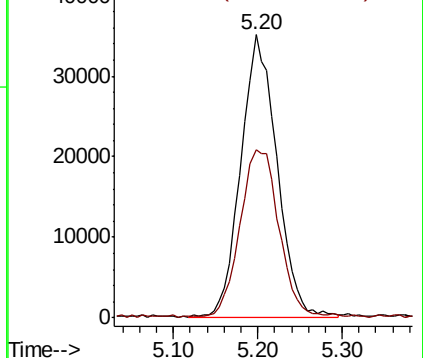
83 100

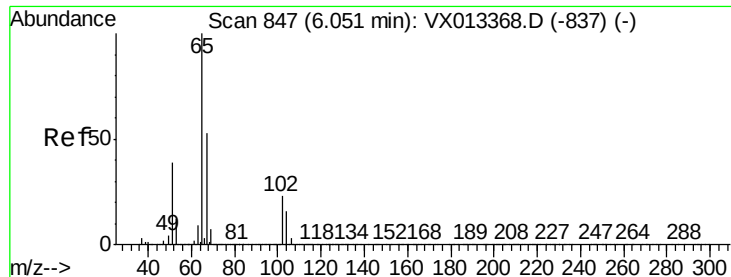
85 58.9 52.4 78.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 28.038 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013781.D

Acq: 05 Dec 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

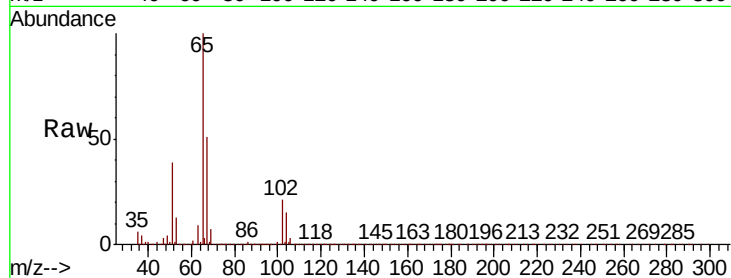
391203051.2

Tot Ion: 65 Resp: 214175

Ion Ratio Lower Upper

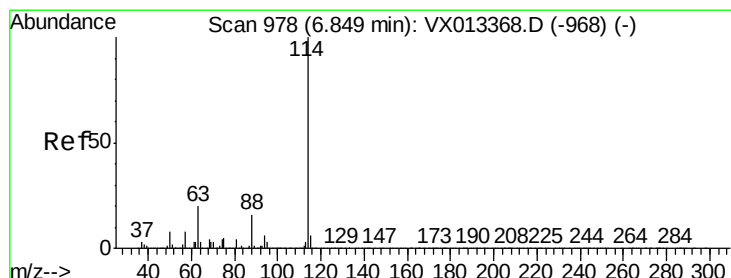
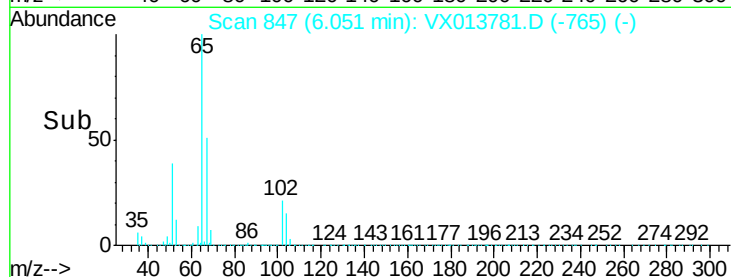
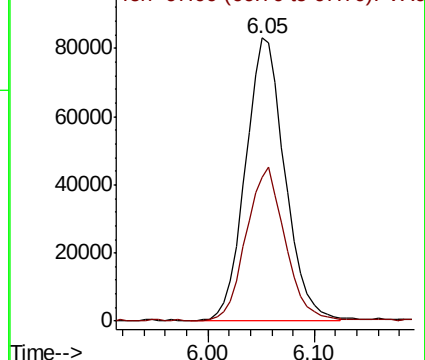
65 100

67 54.2 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: VX013781.D

Acq: 05 Dec 2019 17:37

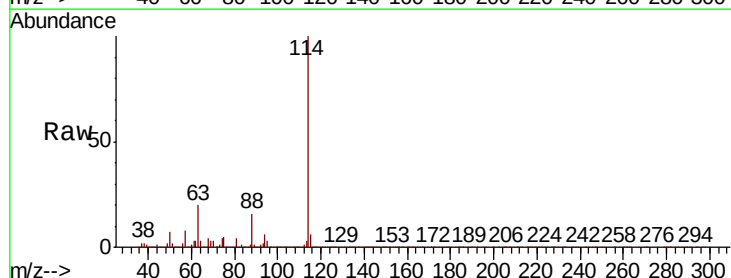
Tgt Ion: 114 Resp: 565011

Ion Ratio Lower Upper

114 100

63 19.5 16.1 24.1

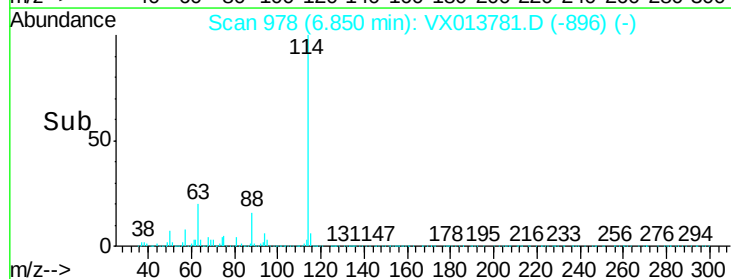
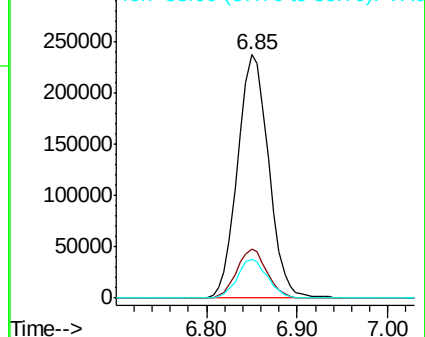
88 15.4 12.3 18.5

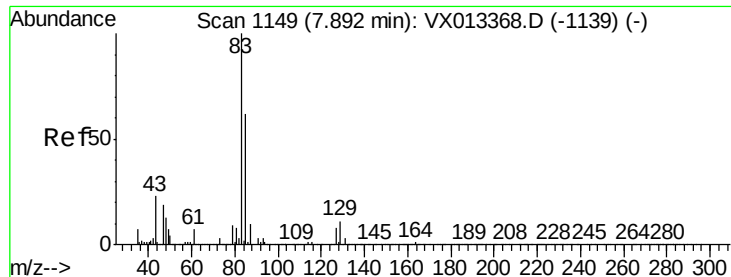


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#41

Bromodichloromethane

Concen: 3.604 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013781.D

Acq: 05 Dec 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

391203051.2

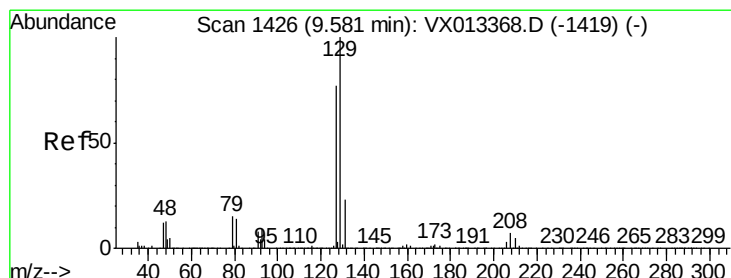
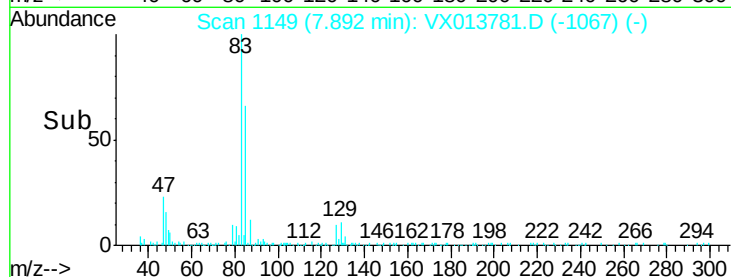
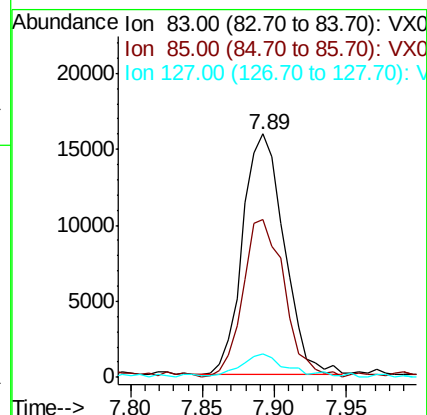
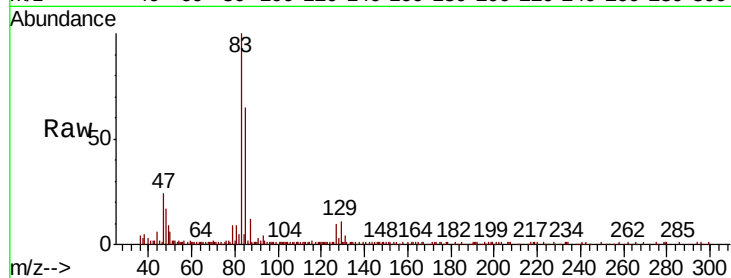
Tot Ion: 83 Resp: 31692

Ion Ratio Lower Upper

83 100

85 65.5 49.3 73.9

127 9.2 6.6 10.0



#53

Dibromochloromethane

Concen: 1.659 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX013781.D

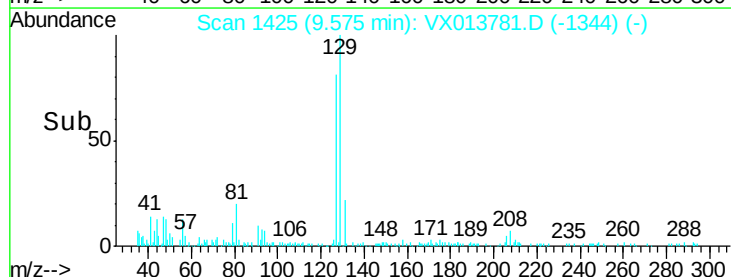
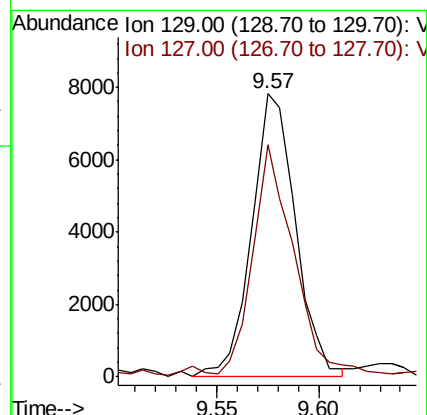
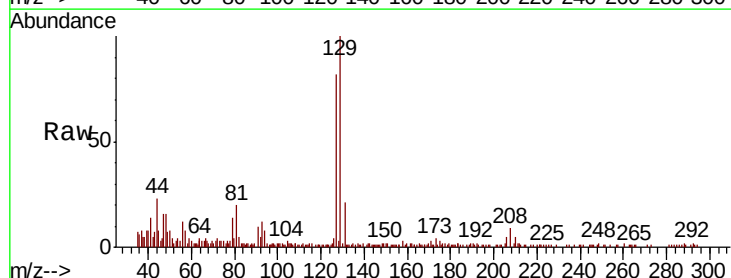
Acq: 05 Dec 2019 17:37

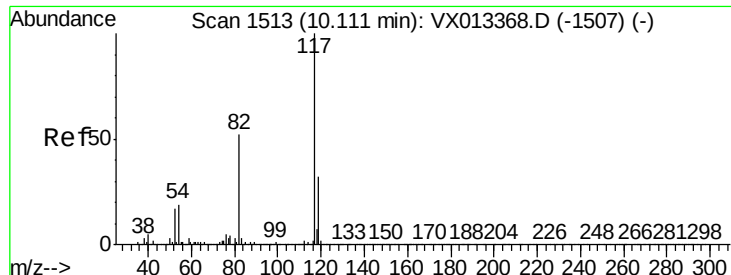
Tgt Ion: 129 Resp: 11722

Ion Ratio Lower Upper

129 100

127 74.7 39.6 119.0

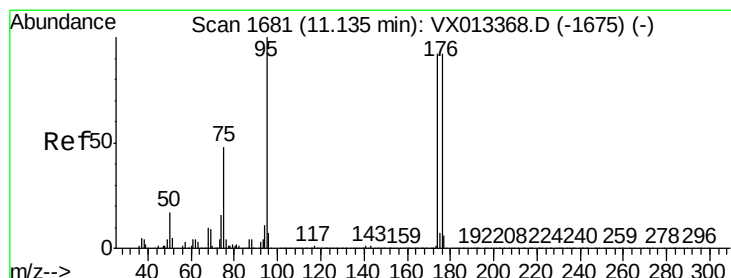
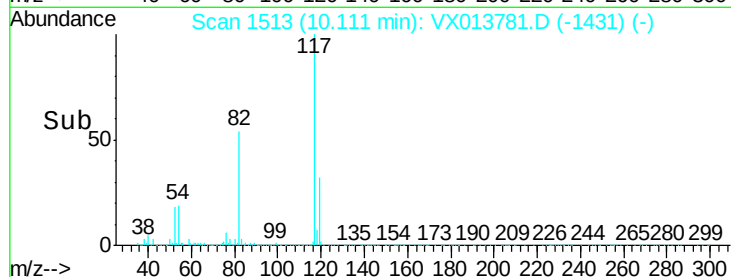
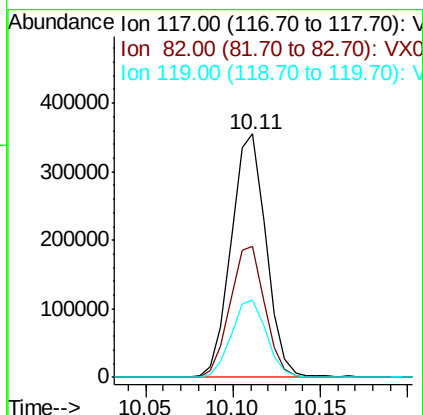
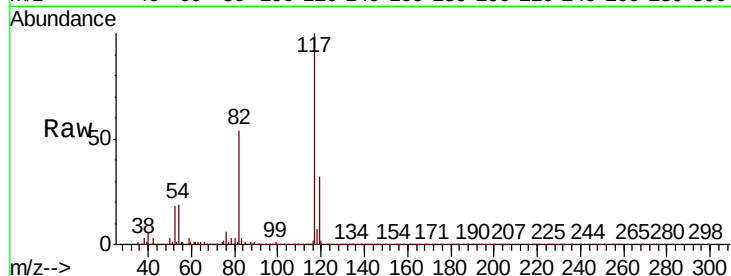




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013781.D
Acq: 05 Dec 2019 17:37

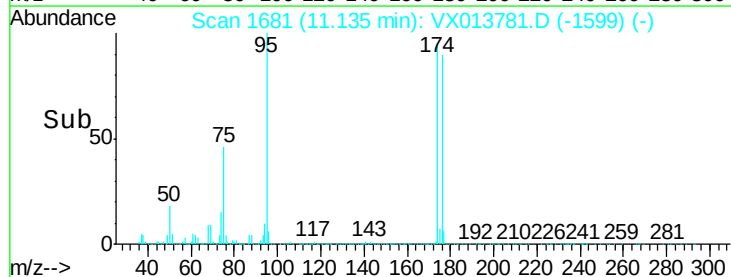
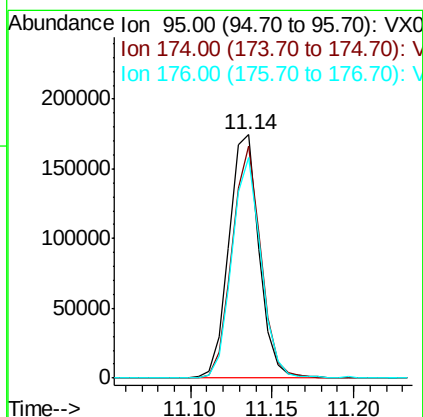
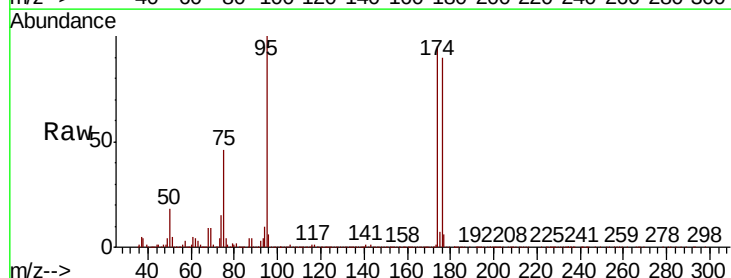
Instrument :
MSVOA_X
ClientSampleId :
391203051.2

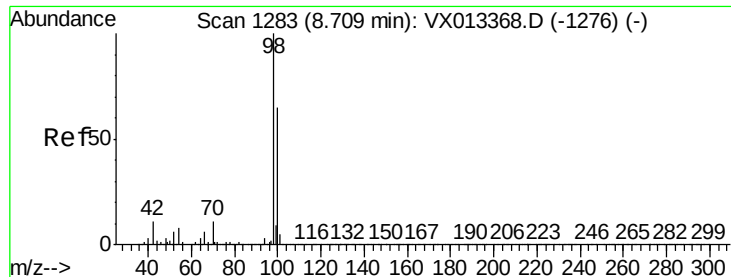
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.7	65.5
119	32.2	25.5	38.3



#60
4-Bromofluorobenzene
Concen: 28.317 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013781.D
Acq: 05 Dec 2019 17:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	70.2	105.2
176	86.7	68.3	102.5





#63

Toluene-d8

Concen: 29.905 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013781.D

Acq: 05 Dec 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

391203051.2

Tot Ion: 98 Resp: 666615

Ion Ratio Lower Upper

98 100

100 64.9 52.5 78.7

