

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013539.D
 Acq On : 22 Nov 2019 17:31
 Operator : JC/SP
 Sample : K5978-01 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

Quant Time: Nov 25 02:49:23 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	107702	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	560610	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	482324	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	237557	29.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.57%
60) 4-Bromofluorobenzene	11.14	95	212087	27.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.20%
63) Toluene-d8	8.71	98	661497	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

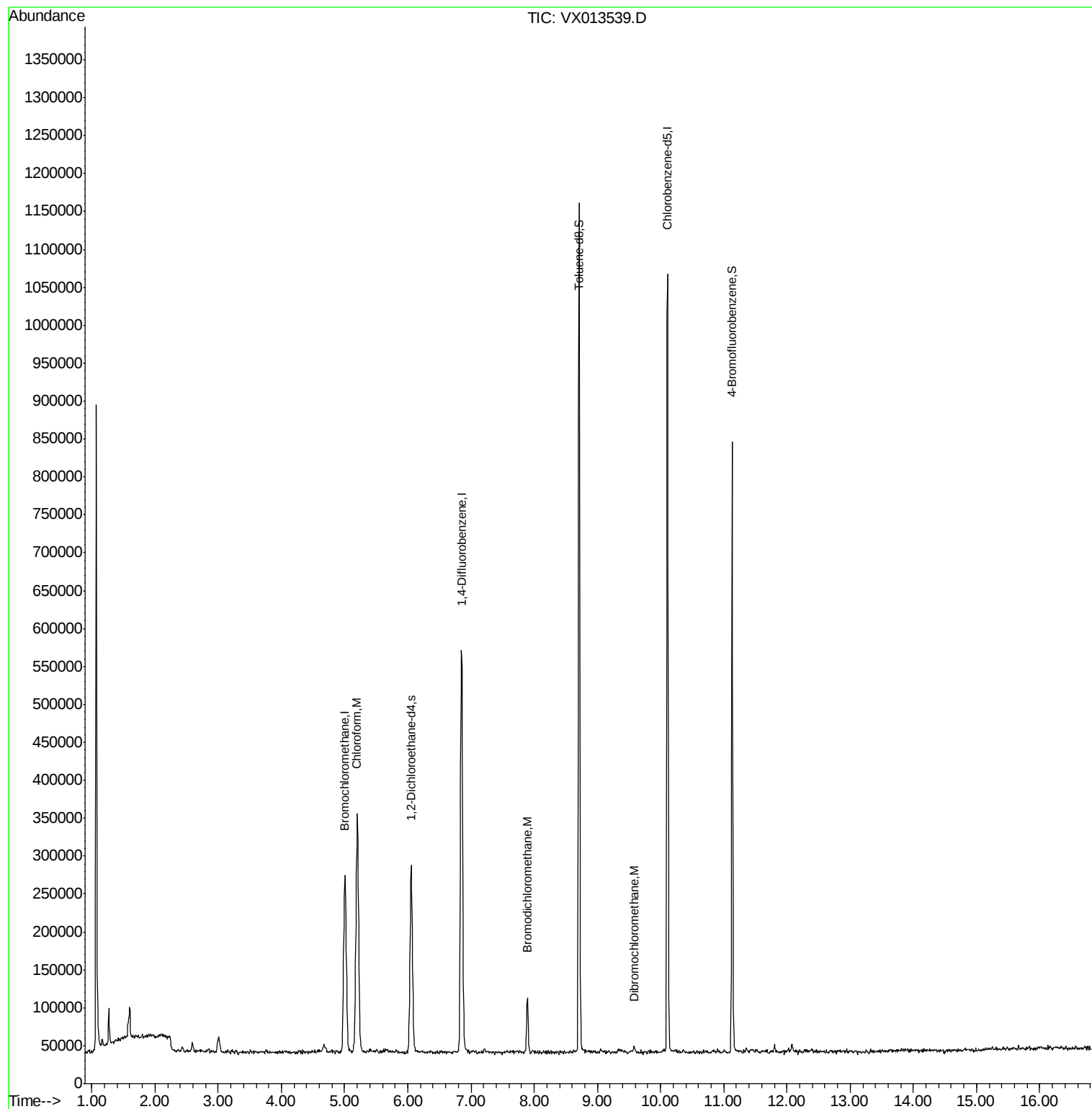
					Ovalue
25) Chloroform	5.20	83	365970	29.128	ug/l 98
41) Bromodichloromethane	7.89	83	48856	5.600	ug/l 94
53) Dibromochloromethane	9.58	129	3770	0.538	ug/l 86

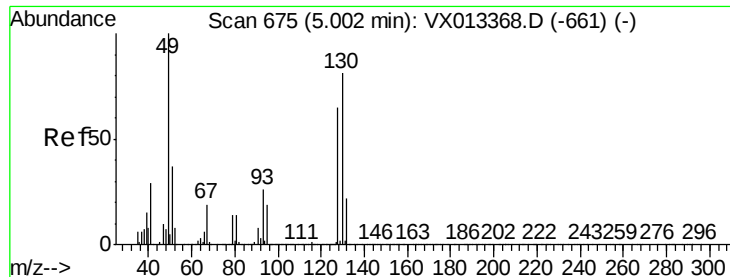
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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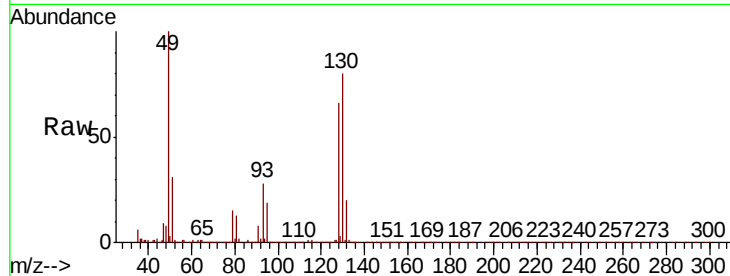


#1

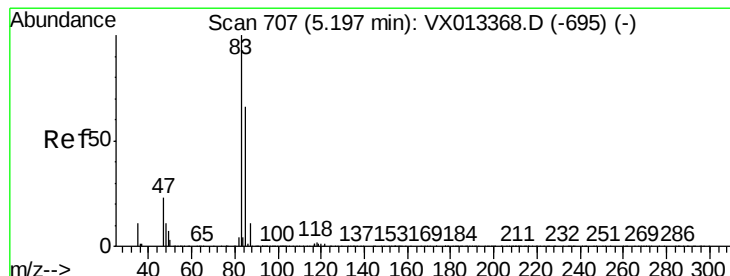
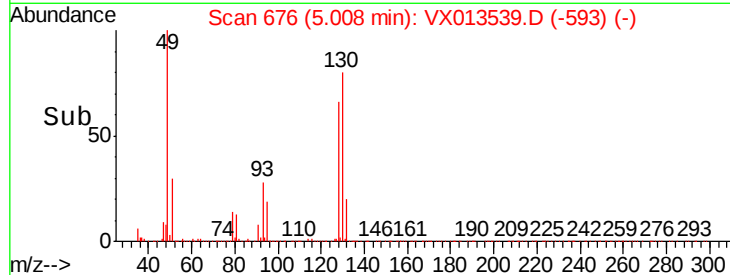
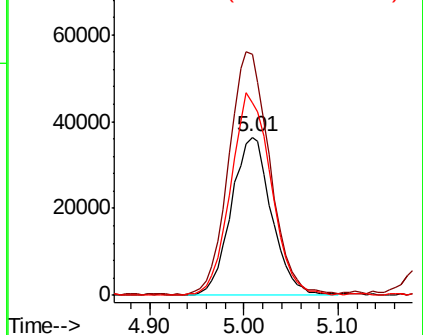
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX013539.D
 Acq: 22 Nov 2019 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

Tot Ion	Ratio	Lower	Upper
128	100		
49	157.9	0.0	388.3
130	129.0	0.0	318.5



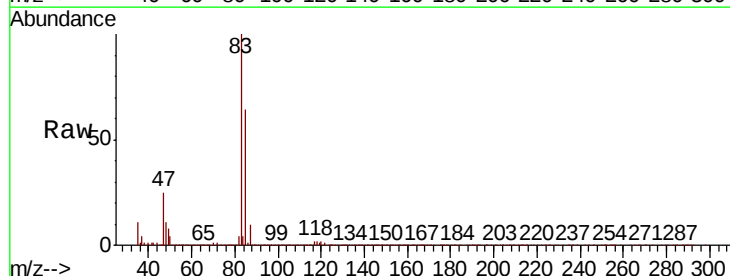
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VX0
 Ion 130.00 (129.70 to 130.70): V



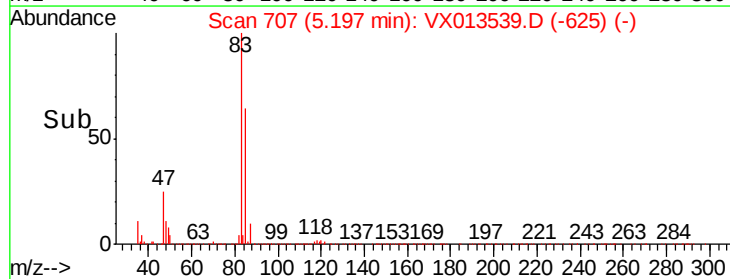
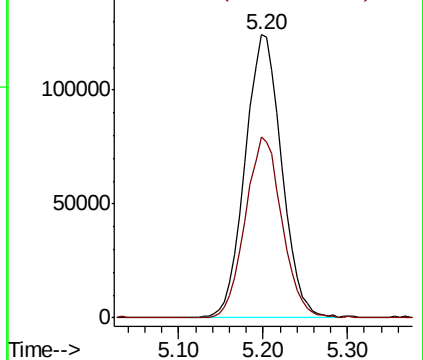
#25

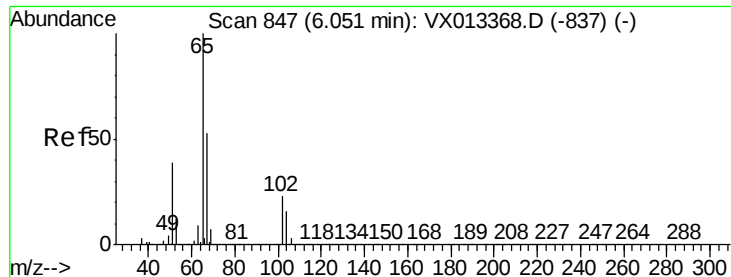
Chloroform
 Concen: 29.128 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VX013539.D
 Acq: 22 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	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: 29.870 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013539.D

Acq: 22 Nov 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

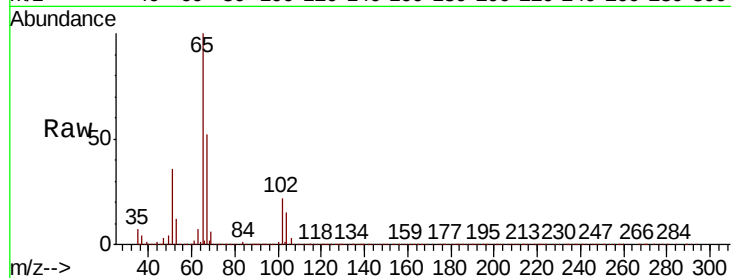
14B-1

Tot Ion: 65 Resp: 237557

Ion Ratio Lower Upper

65 100

67 51.7 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.06

80000

60000

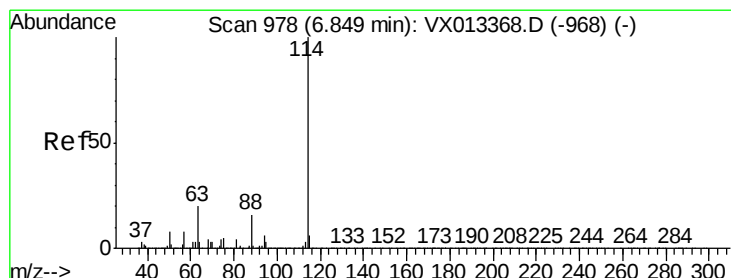
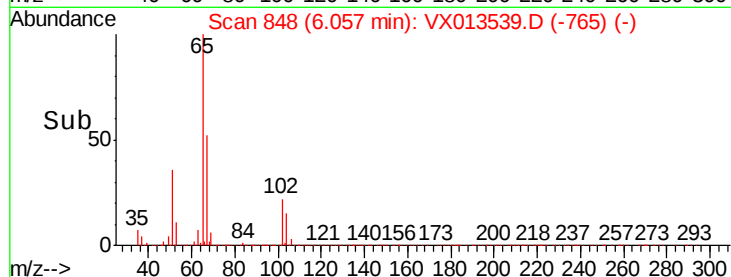
40000

20000

0

6.00 6.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013539.D

Acq: 22 Nov 2019 17:31

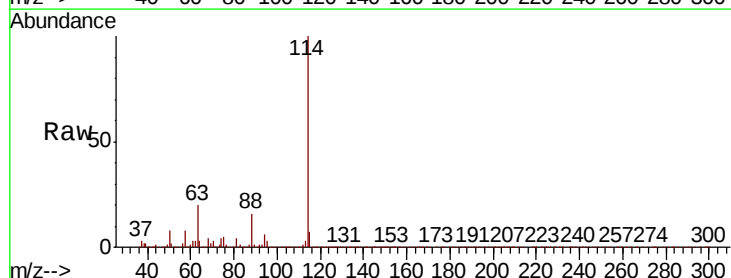
Tgt Ion: 114 Resp: 560610

Ion Ratio Lower Upper

114 100

63 20.0 16.1 24.1

88 15.6 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

300000

250000

200000

150000

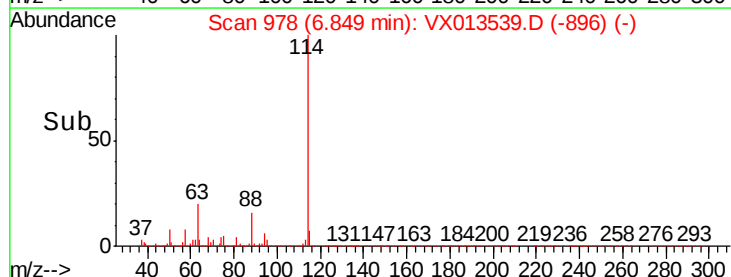
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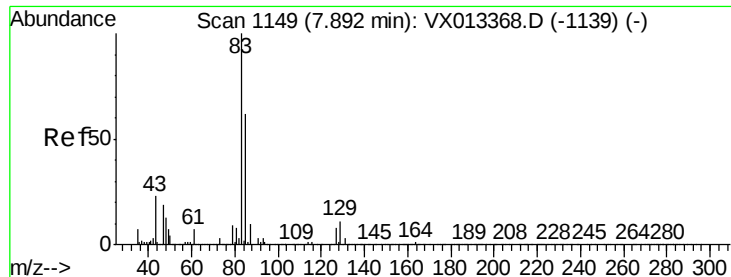
50000

0

6.80 6.90

Time-->





#41

Bromodichloromethane

Concen: 5.600 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013539.D

Acq: 22 Nov 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

14B-1

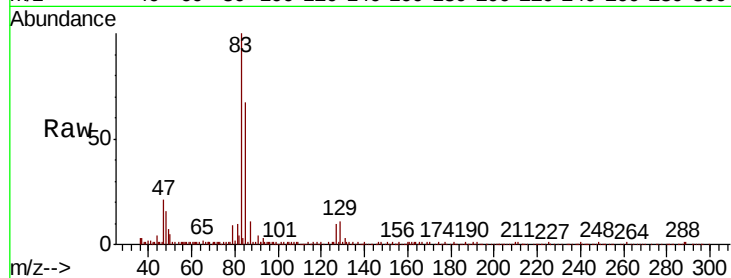
Tot Ion: 83 Resp: 48856

Ion Ratio Lower Upper

83 100

85 66.5 49.3 73.9

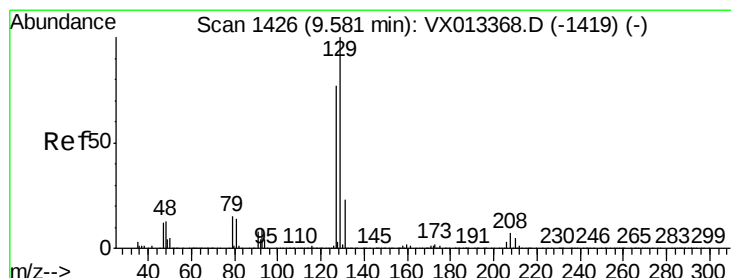
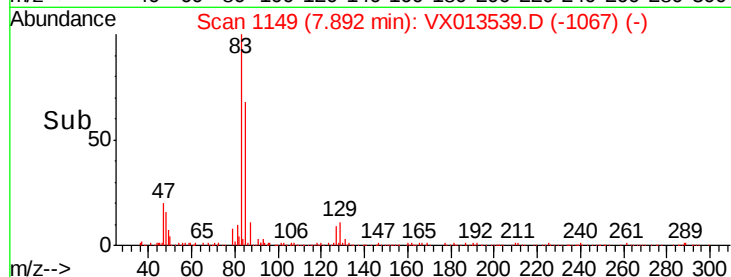
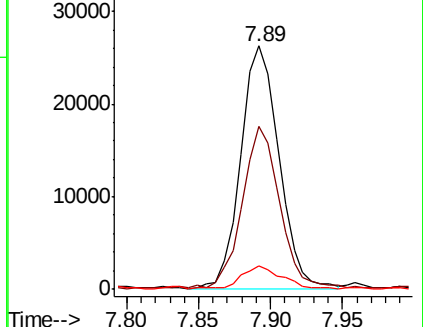
127 9.5 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VX013368.D (-1139) (-)

Ion 85.00 (84.70 to 85.70): VX013368.D (-1139) (-)

Ion 127.00 (126.70 to 127.70): VX013368.D (-1139) (-)



#53

Dibromochloromethane

Concen: 0.538 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX013539.D

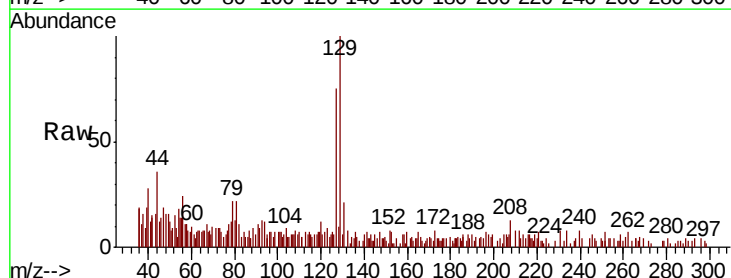
Acq: 22 Nov 2019 17:31

Tgt Ion: 129 Resp: 3770

Ion Ratio Lower Upper

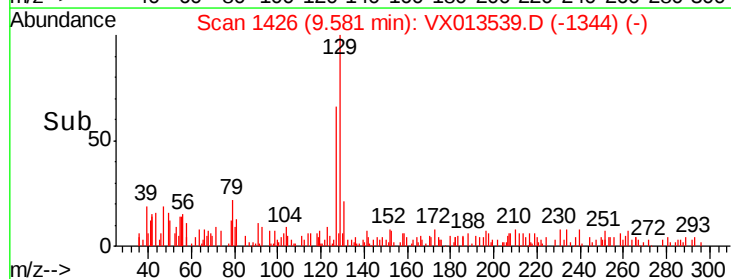
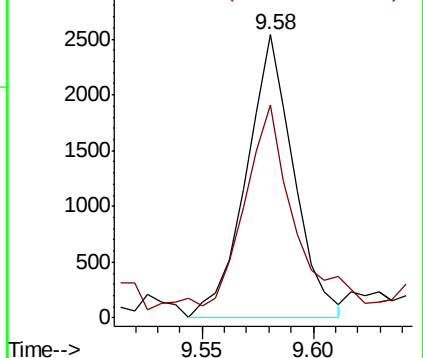
129 100

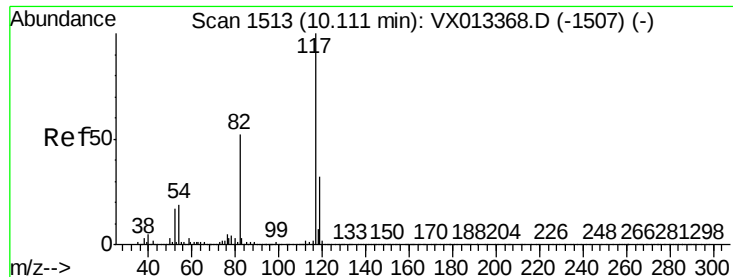
127 66.9 39.6 119.0



Abundance Ion 129.00 (128.70 to 129.70): VX013368.D (-1419) (-)

Ion 127.00 (126.70 to 127.70): VX013368.D (-1419) (-)

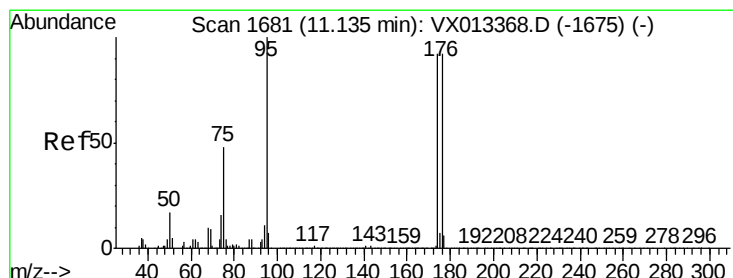
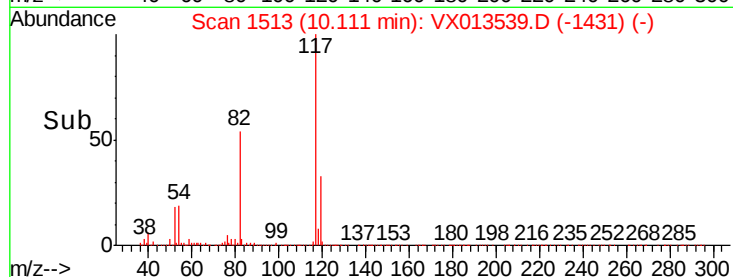
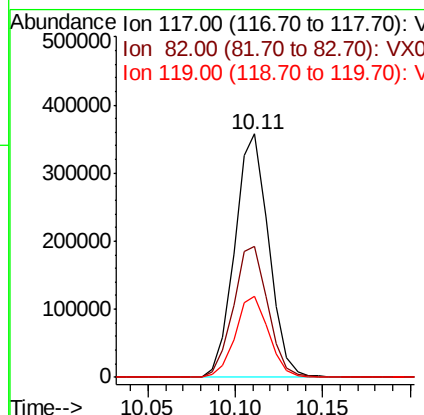
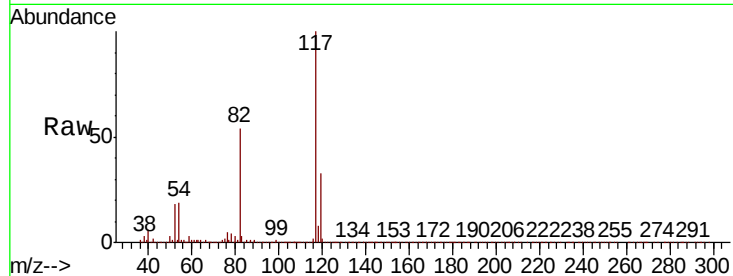




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013539.D
Acq: 22 Nov 2019 17:31

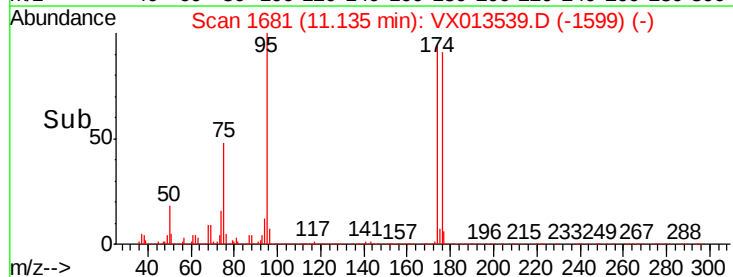
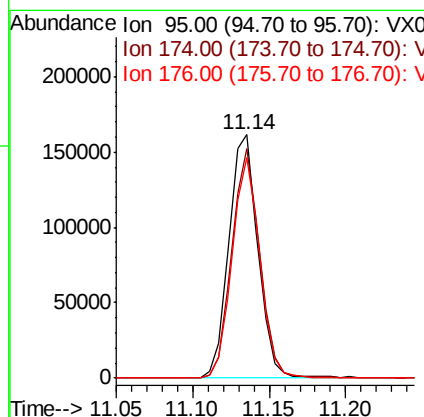
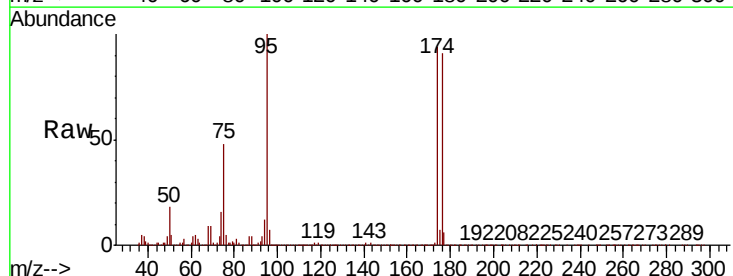
Instrument :
MSVOA_X
ClientSampleId :
14B-1

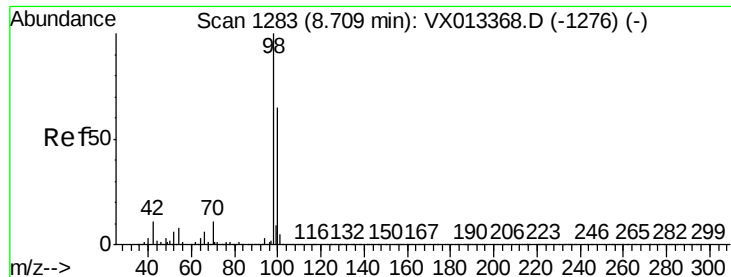
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.7	65.5
119	32.6	25.5	38.3



#60
4-Bromofluorobenzene
Concen: 27.358 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013539.D
Acq: 22 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	70.2	105.2
176	86.7	68.3	102.5





#63

Toluene-d8

Concen: 30.329 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013539.D

Acq: 22 Nov 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

14B-1

Tot Ion: 98 Resp: 661497

Ion Ratio Lower Upper

98 100

100 66.3 52.5 78.7

