

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 02:21:30 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

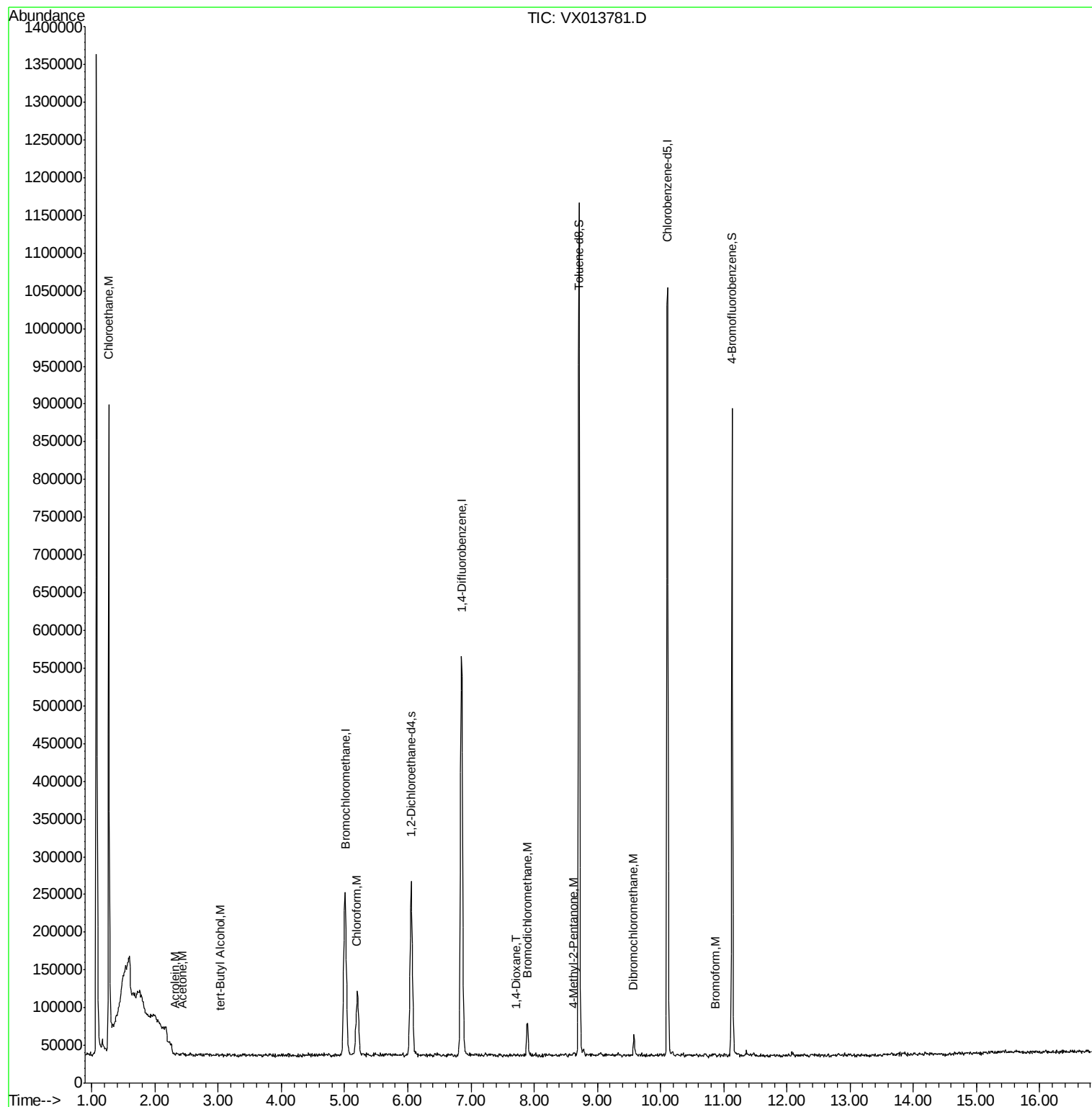
					Ovalue	
6) Chloroethane	1.27	64	634891	120.332	ug/l #	52
13) Acrolein	2.31	56	268	0.225	ug/l	94
15) Acetone	2.42	58	794	0.637	ug/l #	11
23) tert-Butyl Alcohol	3.03	59	427	0.216	ug/l #	88
25) Chloroform	5.20	83	102579	8.500	ug/l	92
41) Bromodichloromethane	7.89	83	31692	3.604	ug/l	95
45) 1,4-Dioxane	7.73	88	128	0.694	ug/l #	1
53) Dibromochloromethane	9.57	129	11722	1.659	ug/l	95
56) Bromoform	10.86	173	1502	0.267	ug/l #	83
58) 4-Methyl-2-Pentanone	8.62	43	4593	0.446	ug/l #	63

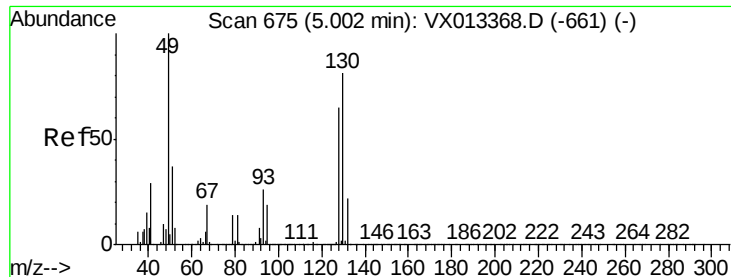
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\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 02:21:30 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



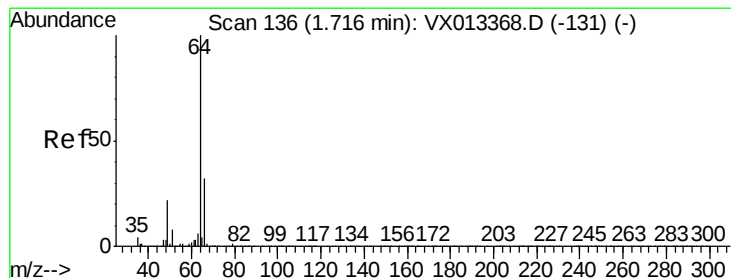
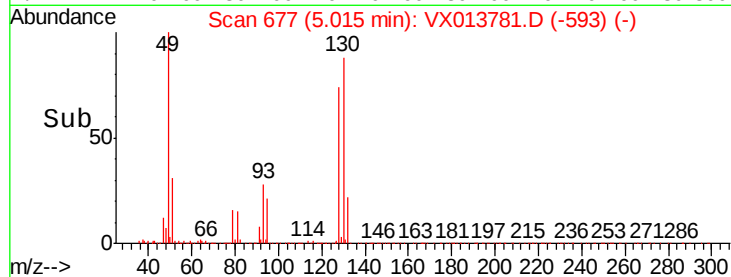
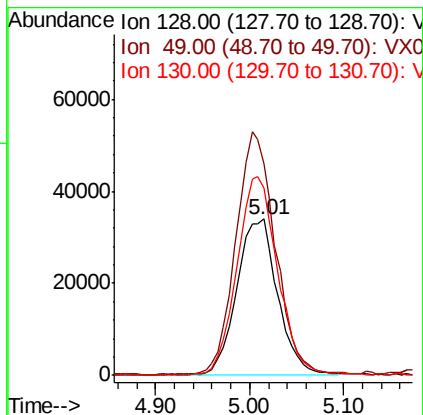
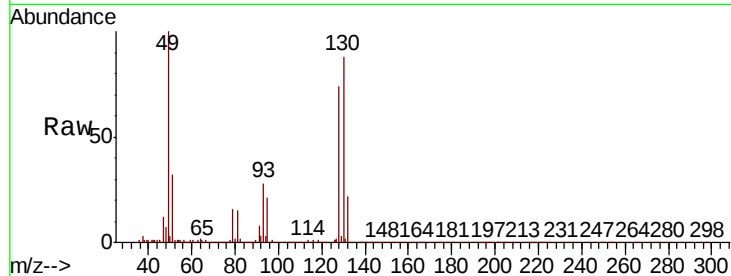


#1

Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 677
 Delta R.T. 0.01 min
 Lab File: VX013781.D
 Acq: 05 Dec 2019 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 391203051.2

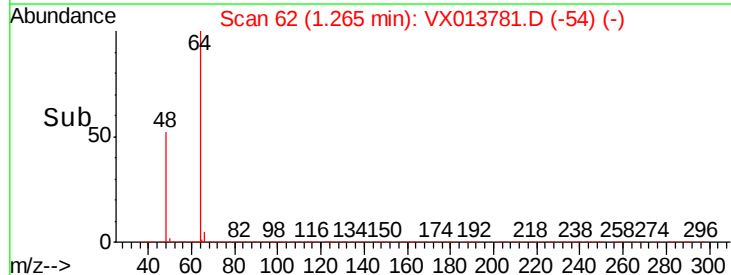
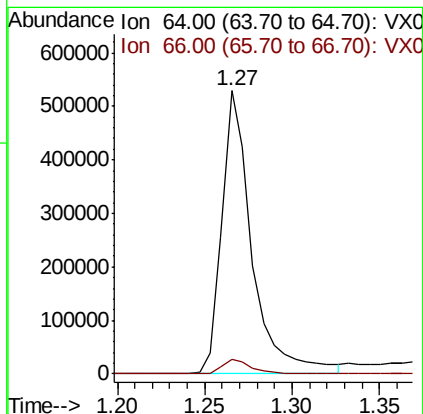
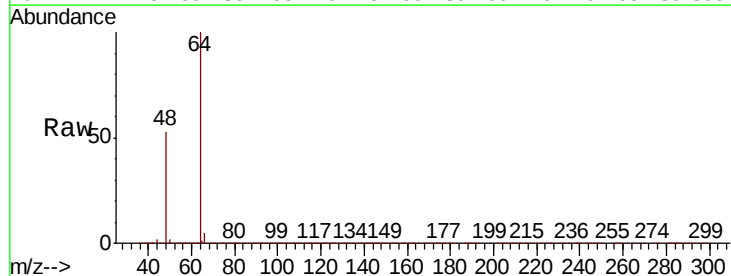
Tot Ion	Ratio	Lower	Upper
128	100		
49	148.5	0.0	388.3
130	126.6	0.0	318.5

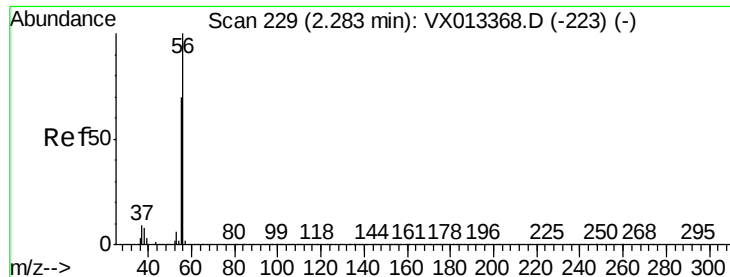


#6

Chloroethane
 Concen: 120.332 ug/l
 RT: 1.27 min Scan# 62
 Delta R.T. -0.45 min
 Lab File: VX013781.D
 Acq: 05 Dec 2019 17:37

Tgt Ion	Ratio	Lower	Upper
64	100		
66	5.0	25.5	38.3#





#13

Acrolein

Concen: 0.225 ug/l

RT: 2.31 min Scan# 234

Delta R.T. 0.03 min

Lab File: VX013781.D

Acq: 05 Dec 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

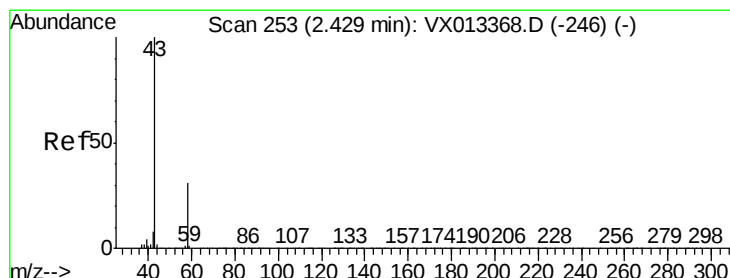
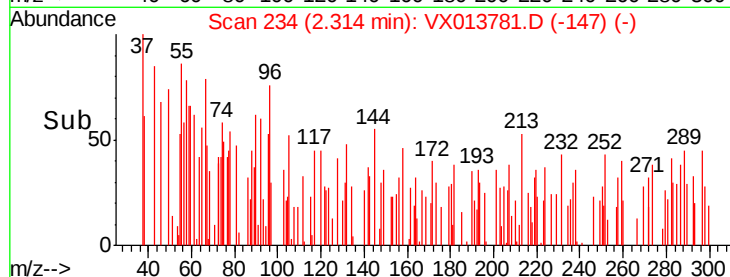
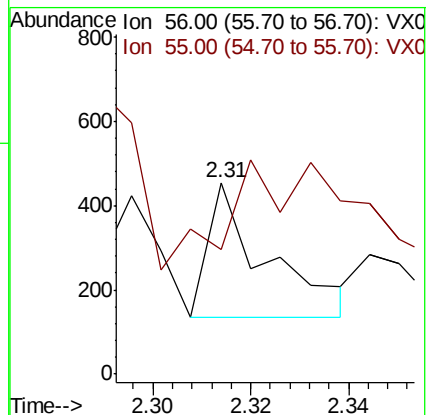
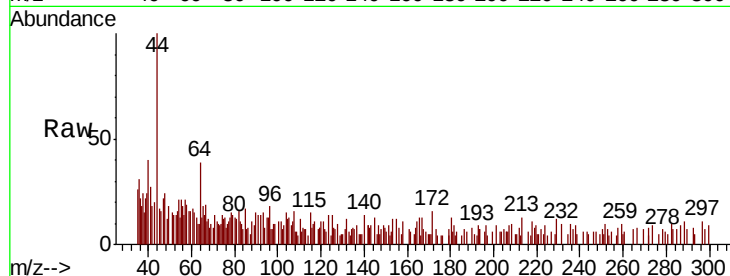
391203051.2

Tot Ion: 56 Resp: 268

Ion Ratio Lower Upper

56 100

55 75.0 55.8 83.8



#15

Acetone

Concen: 0.637 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX013781.D

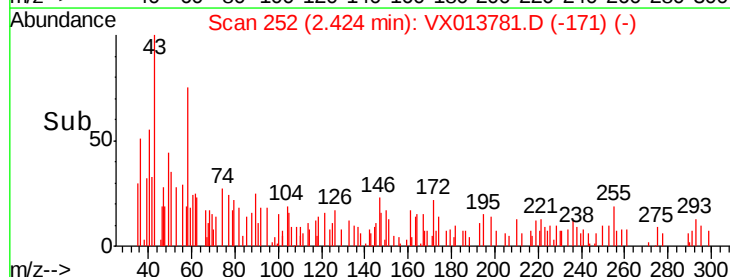
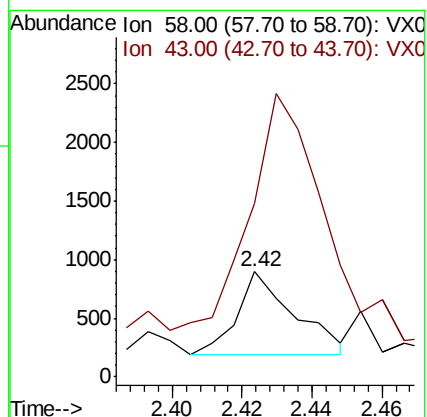
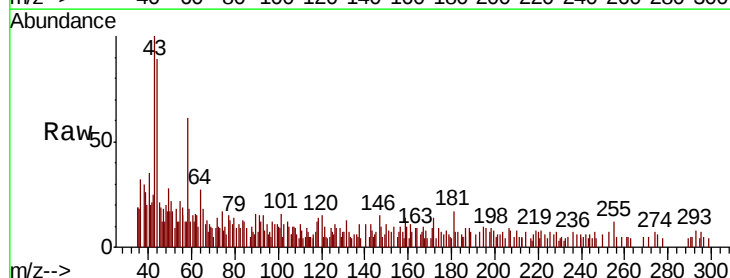
Acq: 05 Dec 2019 17:37

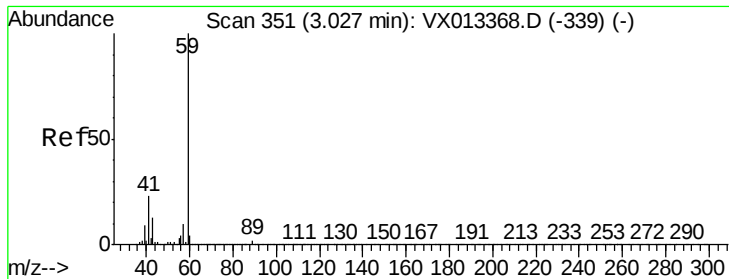
Tgt Ion: 58 Resp: 794

Ion Ratio Lower Upper

58 100

43 143.1 261.4 392.2#





#23

tert-Butyl Alcohol

Concen: 0.216 ug/l

RT: 3.03 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX013781.D

Acq: 05 Dec 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

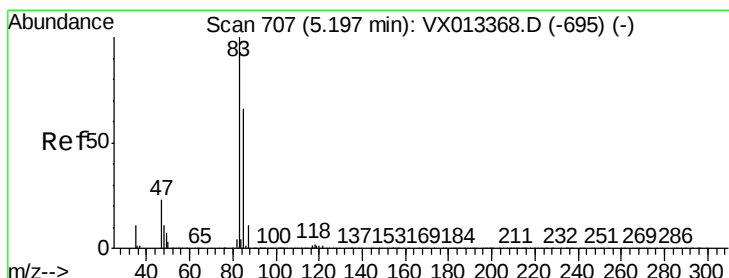
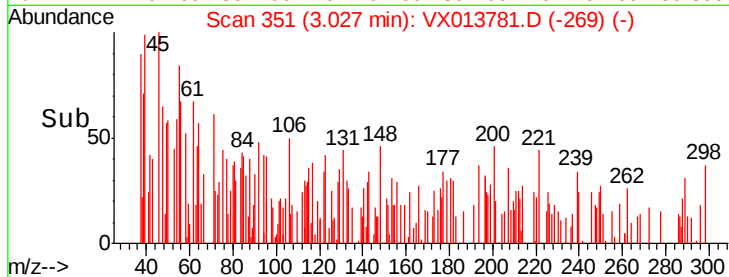
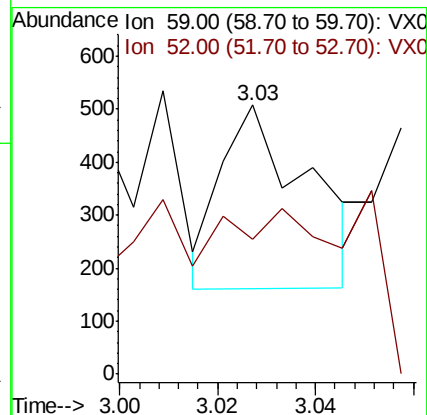
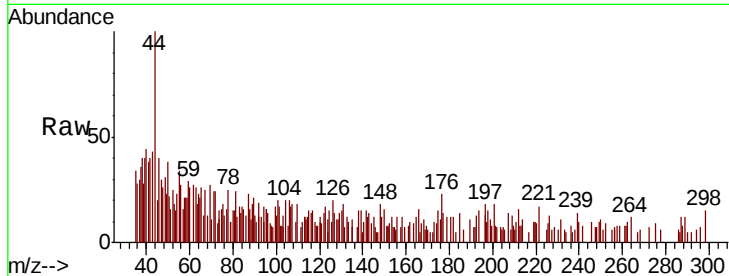
391203051.2

Tot Ion: 59 Resp: 427

Ion Ratio Lower Upper

59 100

52 29.3 0.1 0.1#



#25

Chloroform

Concen: 8.500 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013781.D

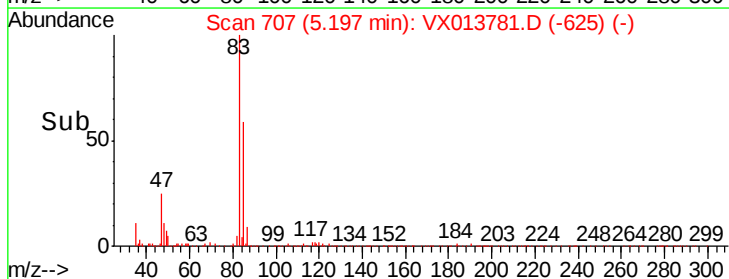
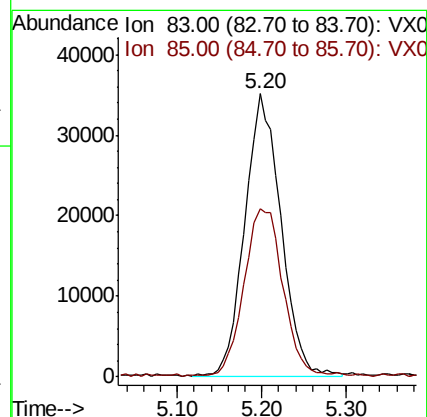
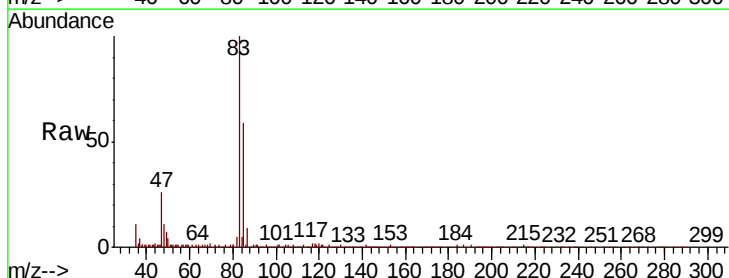
Acq: 05 Dec 2019 17:37

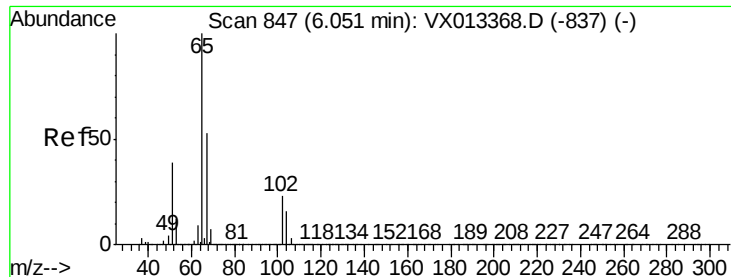
Tgt Ion: 83 Resp: 102579

Ion Ratio Lower Upper

83 100

85 58.9 52.4 78.6





#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 :

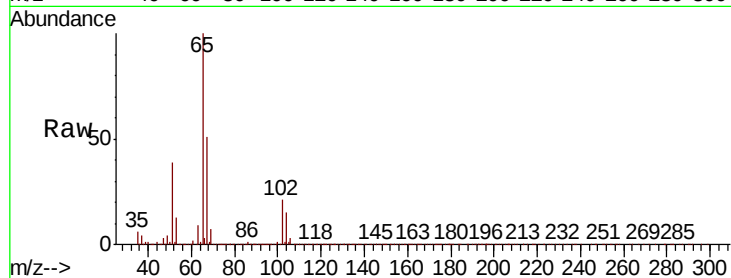
391203051.2

Tot Ion: 65 Resp: 214175

Ion Ratio Lower Upper

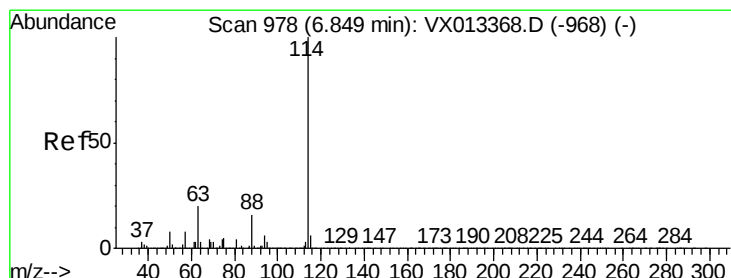
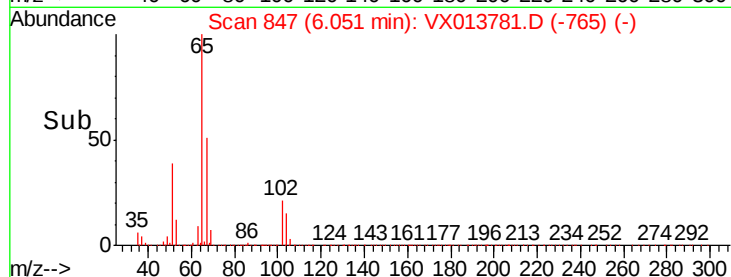
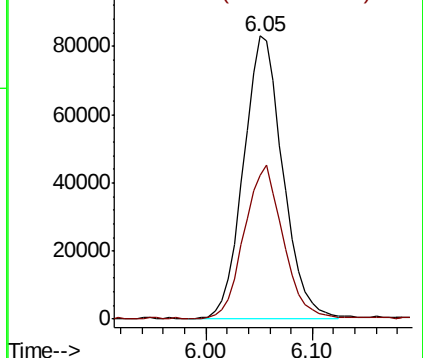
65 100

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

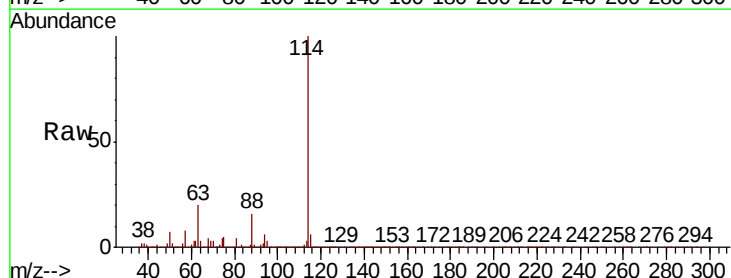
Tgt Ion: 114 Resp: 565011

Ion Ratio Lower Upper

114 100

63 19.5 16.1 24.1

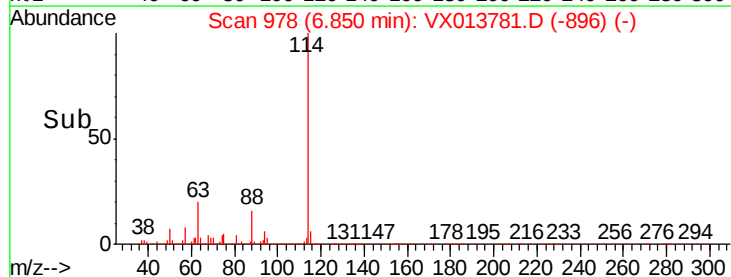
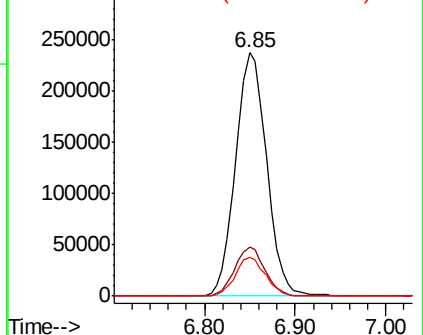
88 15.4 12.3 18.5

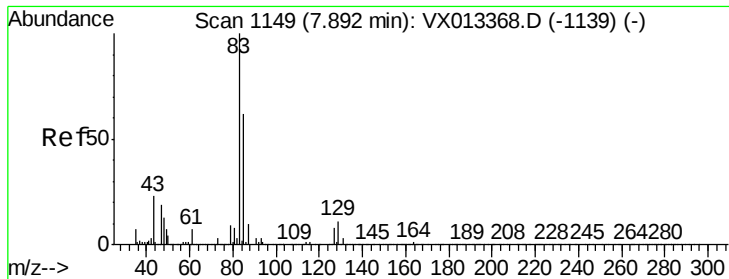


Abundance Ion 114.00 (113.70 to 114.70): V

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

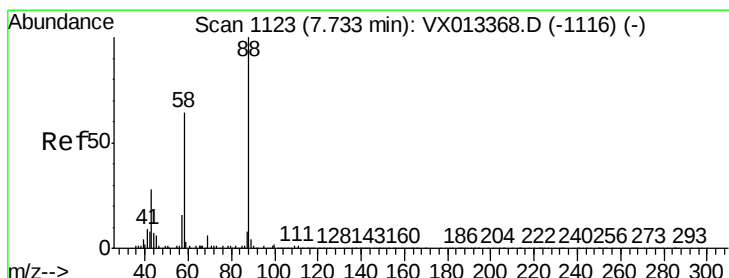
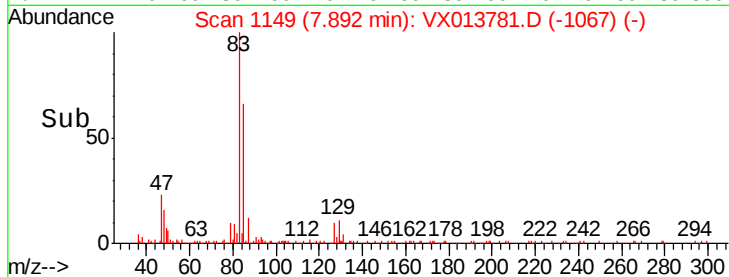
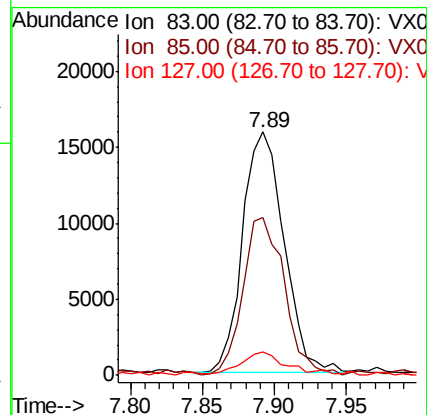
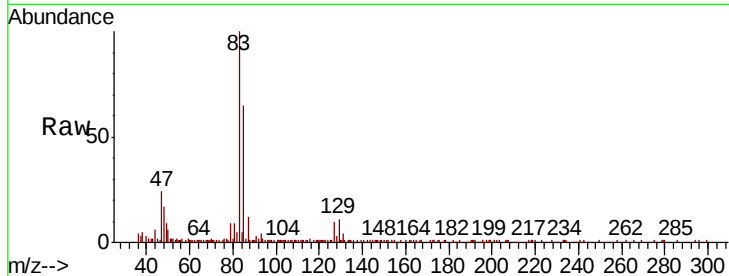
Tot Ion: 83 Resp: 31692

Ion Ratio Lower Upper

83 100

85 65.5 49.3 73.9

127 9.2 6.6 10.0



#45

1,4-Dioxane

Concen: 0.694 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013781.D

Acq: 05 Dec 2019 17:37

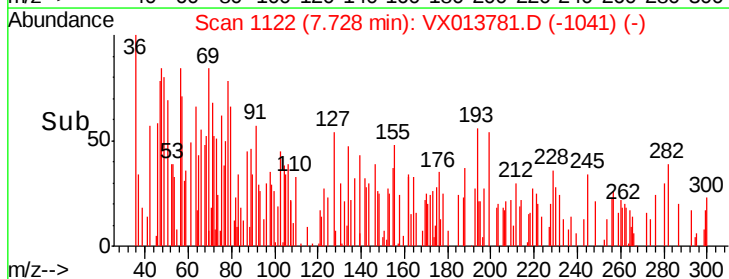
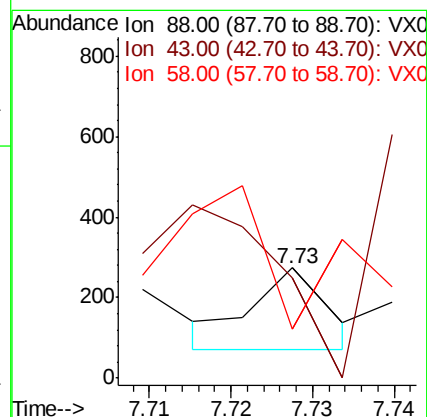
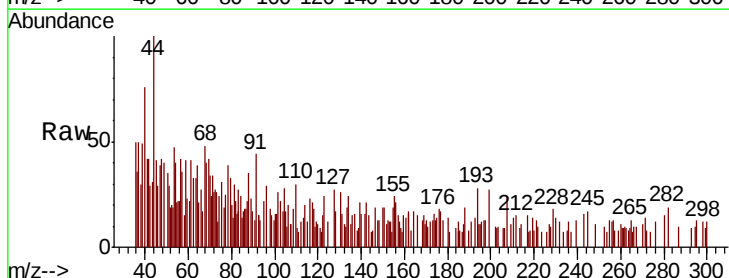
Tgt Ion: 88 Resp: 128

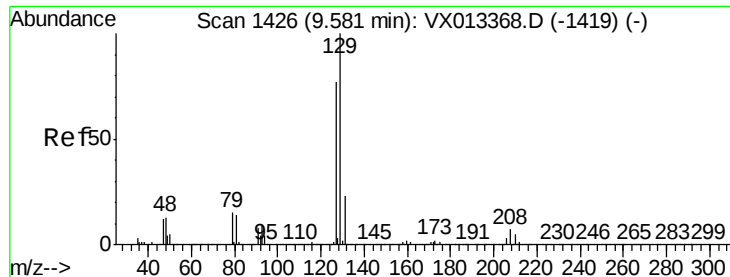
Ion Ratio Lower Upper

88 100

43 301.6 26.1 39.1#

58 230.5 55.8 83.8#





#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

Instrument :

MSVOA_X

ClientSampleId :

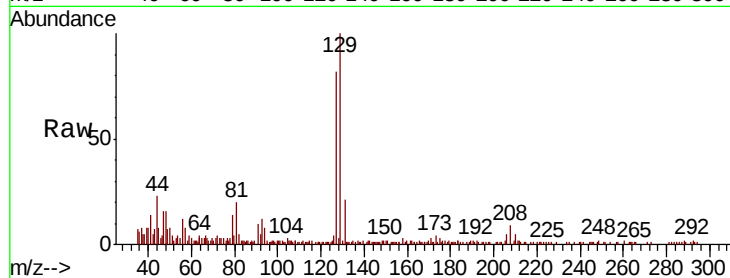
391203051.2

Tot Ion:129 Resp: 11722

Ion Ratio Lower Upper

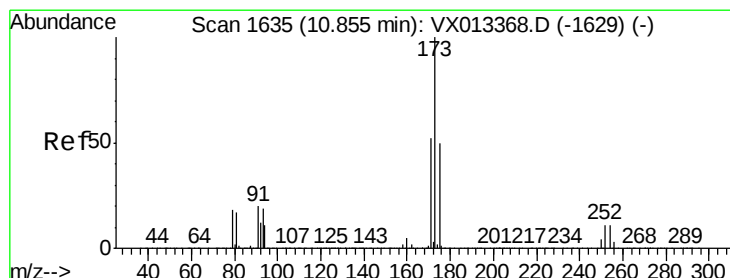
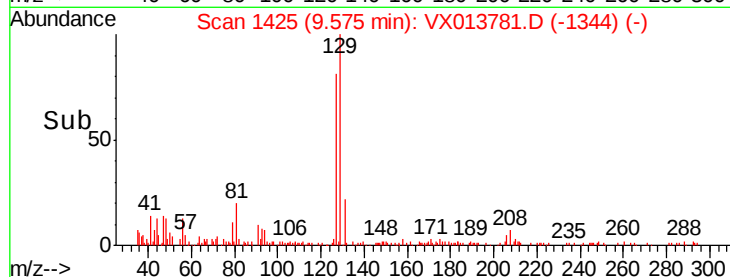
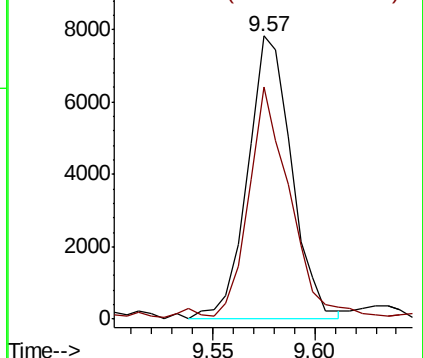
129 100

127 74.7 39.6 119.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

Bromoform

Concen: 0.267 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013781.D

Acq: 05 Dec 2019 17:37

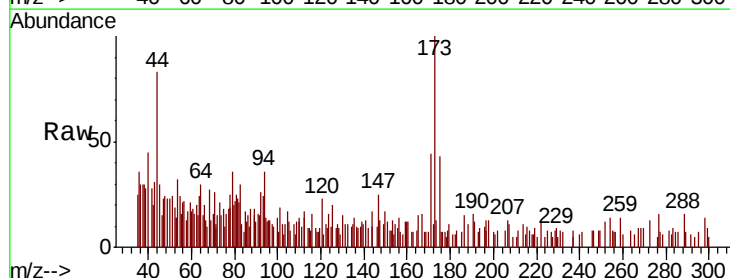
Tgt Ion:173 Resp: 1502

Ion Ratio Lower Upper

173 100

175 61.6 39.4 59.0#

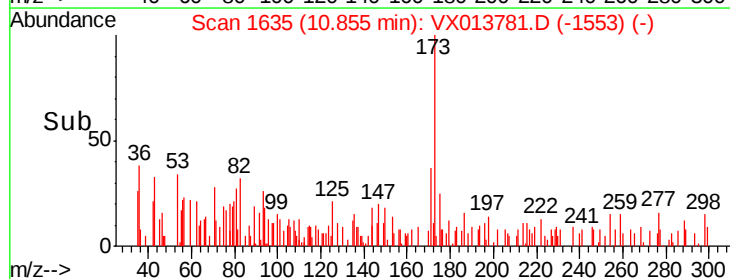
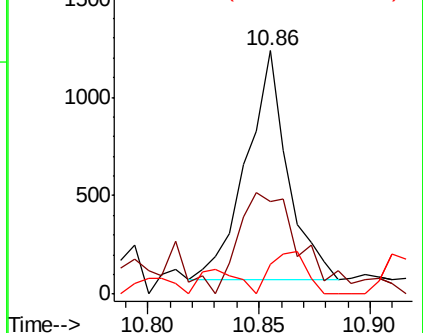
254 16.1 8.6 12.8#

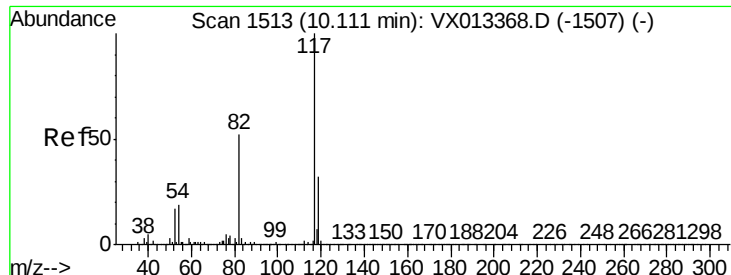


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

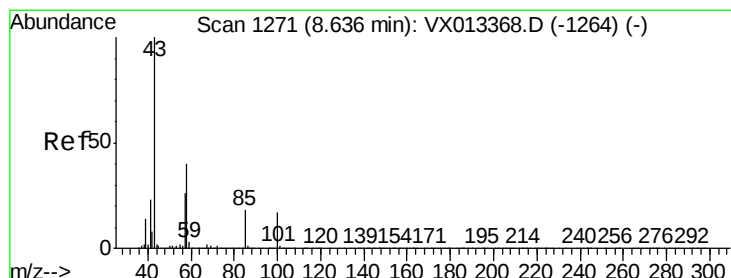
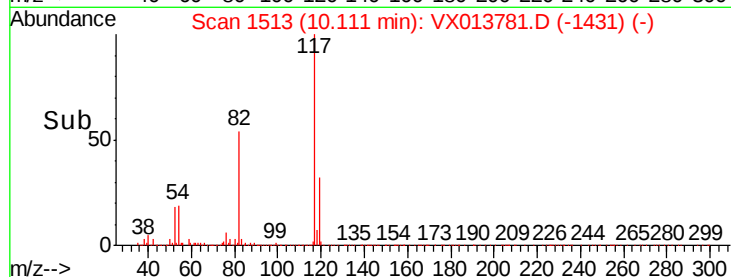
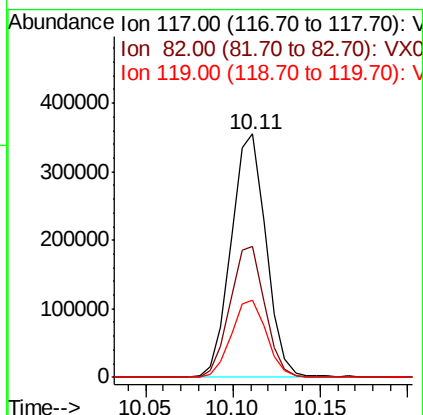
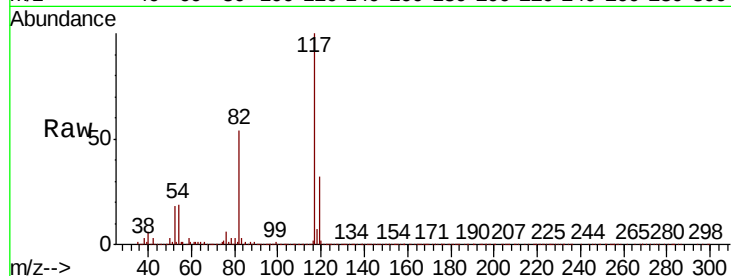




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013781.D
Acq: 05 Dec 2019 17:37

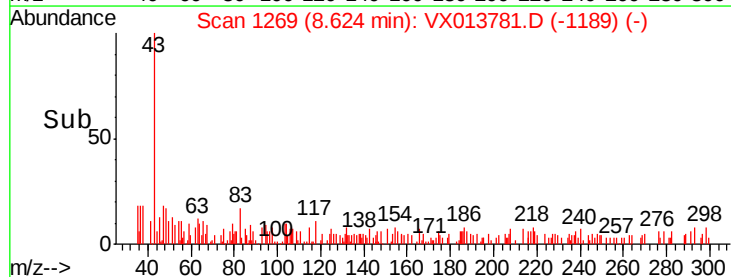
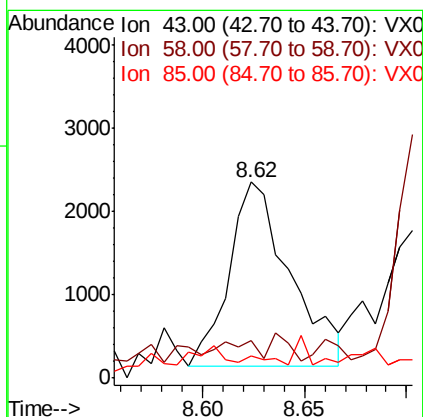
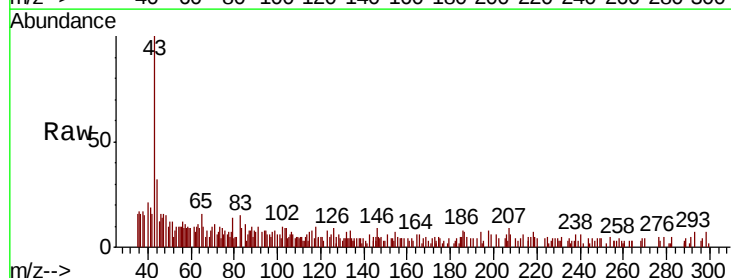
Instrument :
MSVOA_X
ClientSampleId :
391203051.2

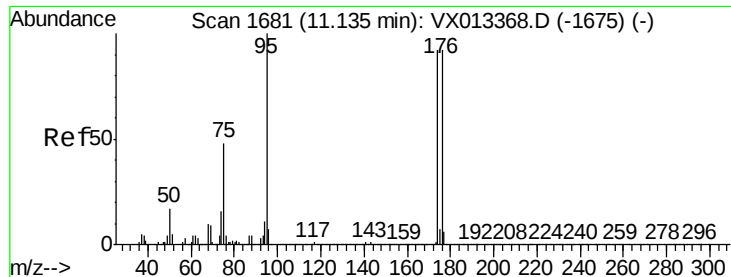
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.7	65.5
119	32.2	25.5	38.3



#58
4-Methyl-2-Pentanone
Concen: 0.446 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VX013781.D
Acq: 05 Dec 2019 17:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	14.5	31.6	47.4#
85	5.4	14.2	21.2#

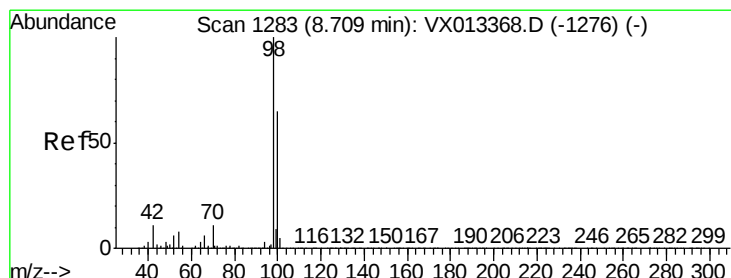
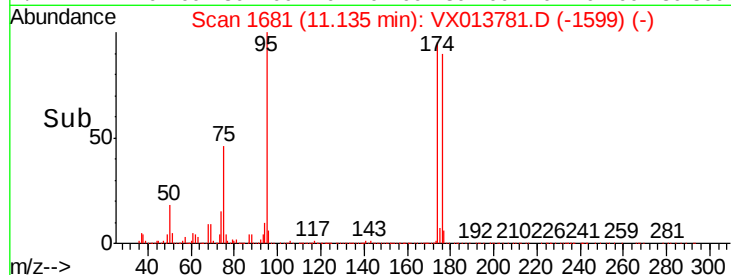
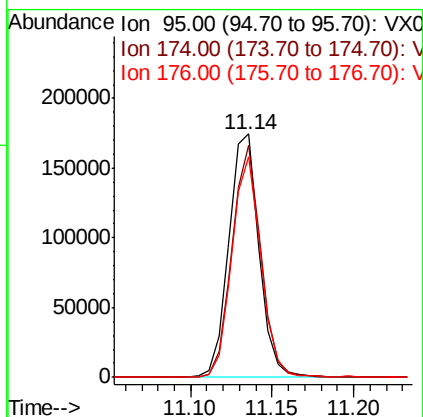
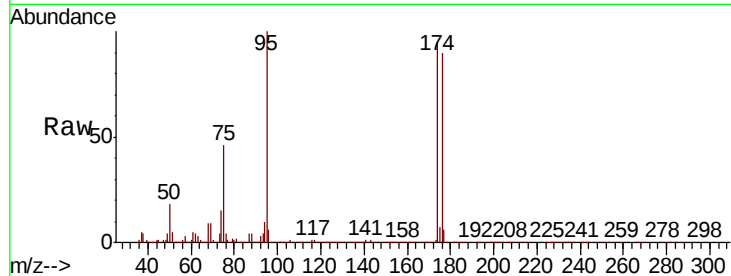




#60
4-Bromofluorobenzene
Concen: 28.317 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013781.D
Acq: 05 Dec 2019 17:37

Instrument :
MSVOA_X
ClientSampleId :
391203051.2

Tot 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

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.5	78.7

