

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013162.D
 Acq On : 21 Oct 2019 19:14
 Operator : JC/SP
 Sample : K5441-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-1

Quant Time: Oct 22 02:00:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	26380	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	150833	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	130340	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	62410	30.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.17%
60) 4-Bromofluorobenzene	11.14	95	63633	28.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.47%
63) Toluene-d8	8.71	98	179732	31.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.33%

Target Compounds

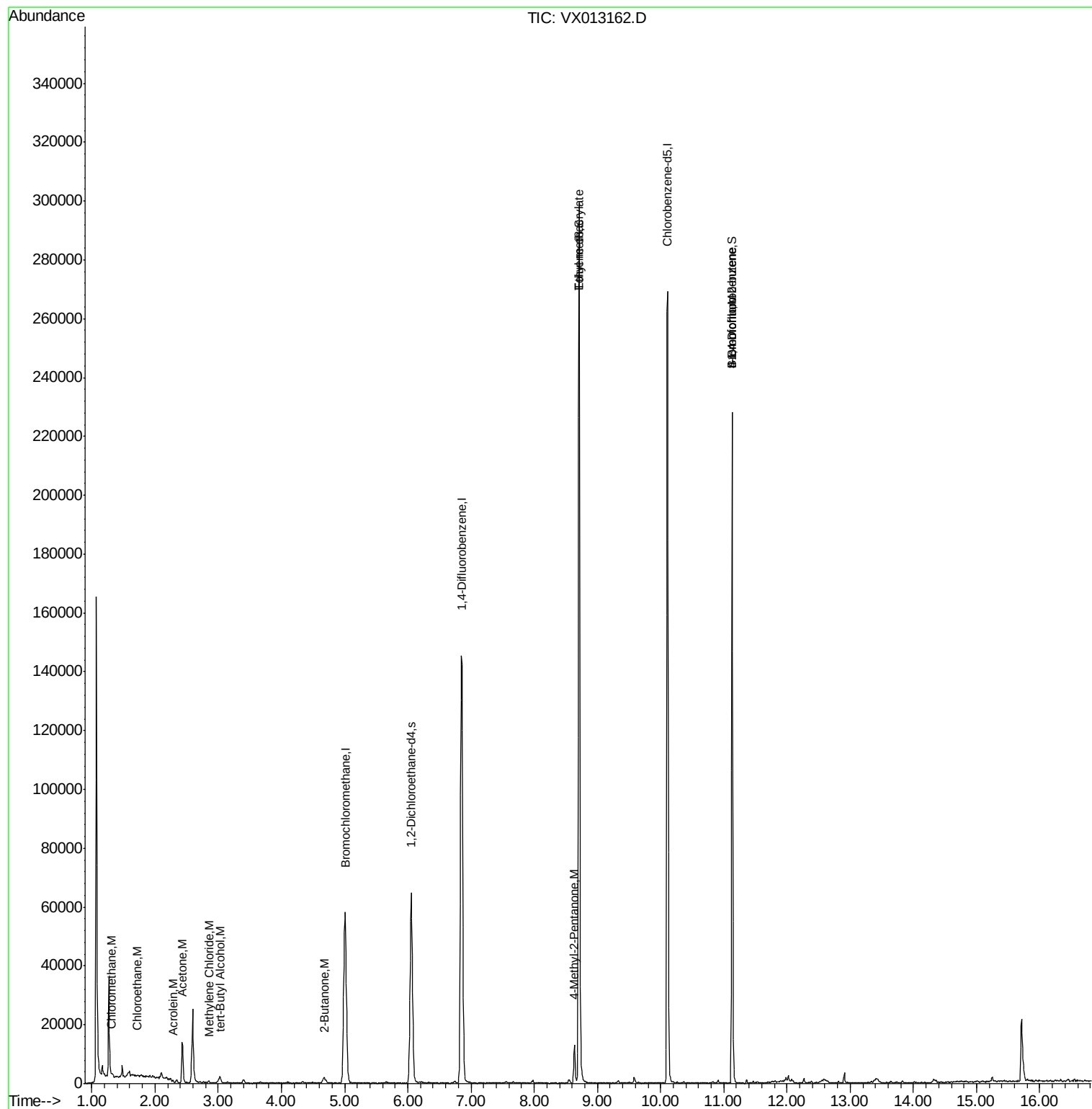
					Ovalue
3) Chloromethane	1.32	50	579	0.351 ug/l #	78
6) Chloroethane	1.72	64	266	0.244 ug/l #	43
13) Acrolein	2.28	56	155	0.498 ug/l	99
15) Acetone	2.43	58	4476	15.545 ug/l	96
18) Methylene Chloride	2.86	84	378	0.202 ug/l #	44
23) tert-Butyl Alcohol	3.03	59	2629	5.710 ug/l #	100
30) 2-Butanone	4.67	43	2608	2.122 ug/l #	70
51) Ethyl methacrylate	8.71	69	658	0.240 ug/l	81
56) Bromoform	11.14	173	635	0.475 ug/l #	1
58) 4-Methyl-2-Pentanone	8.64	43	7438	3.387 ug/l	98
77) t-1,4-Dichloro-2-butene	11.14	75	31581	37.908 ug/l #	9

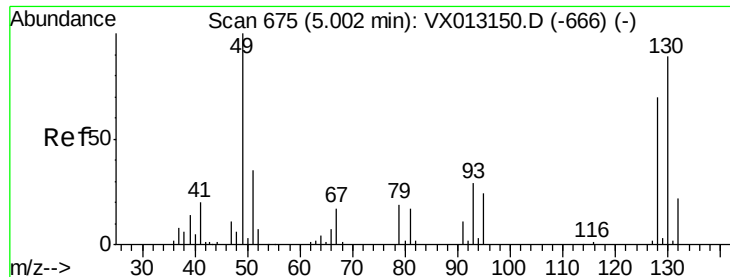
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102119\
Data File : VX013162.D
Acq On : 21 Oct 2019 19:14
Operator : JC/SP
Sample : K5441-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OF-1

Quant Time: Oct 22 02:00:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 22 01:53:07 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: VX013162.D

Acq: 21 Oct 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

OF-1

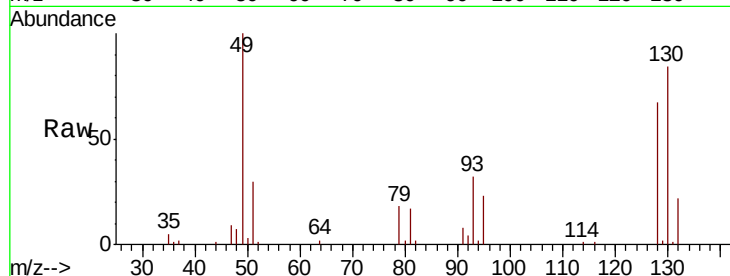
Tot Ion:128 Resp: 26380

Ion Ratio Lower Upper

128 100

49 145.6 0.0 367.3

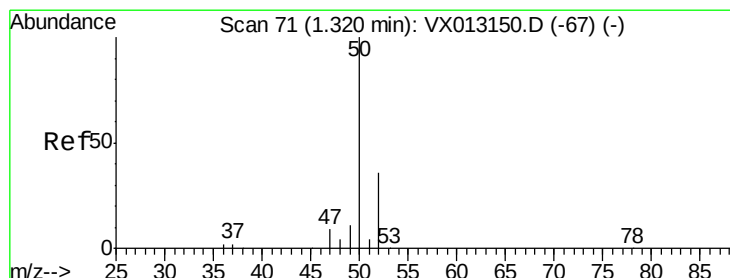
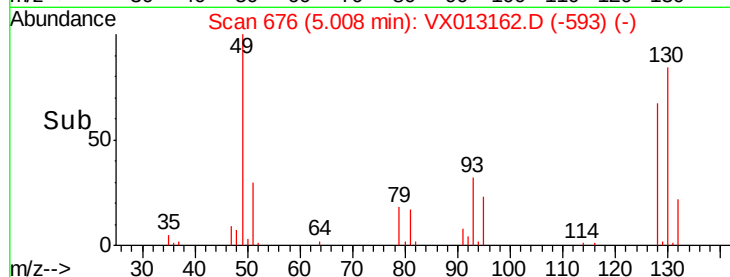
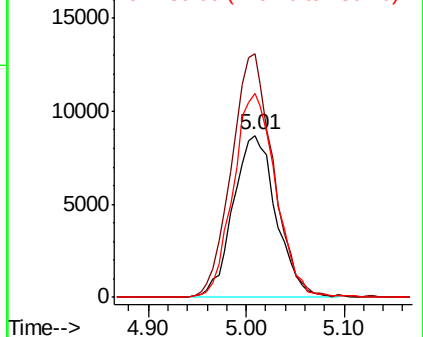
130 124.9 0.0 325.0



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



#3

Chloromethane

Concen: 0.351 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013162.D

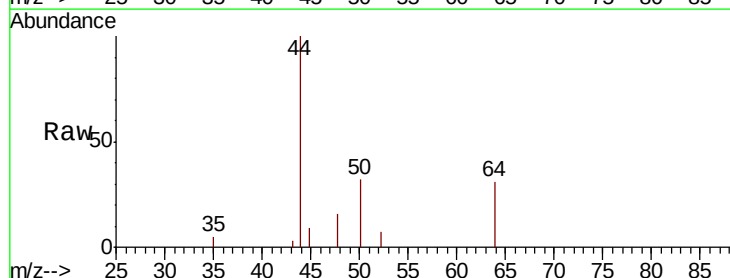
Acq: 21 Oct 2019 19:14

Tgt Ion: 50 Resp: 579

Ion Ratio Lower Upper

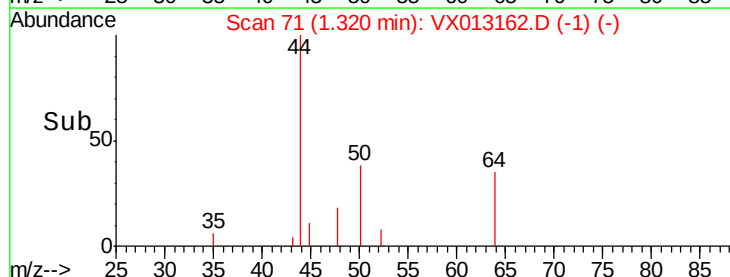
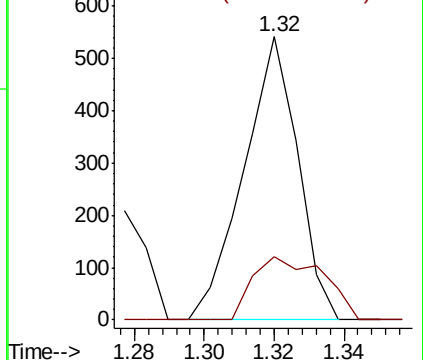
50 100

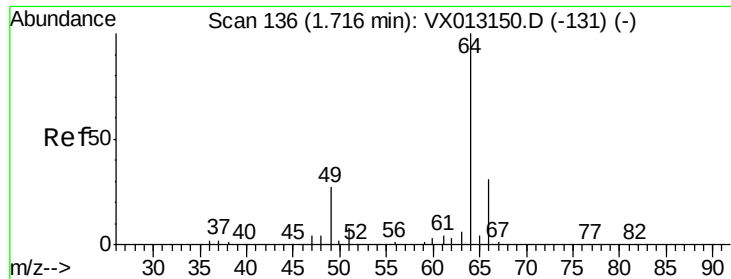
52 22.6 28.6 42.8#



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#6

Chloroethane

Concen: 0.244 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX013162.D

Acq: 21 Oct 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

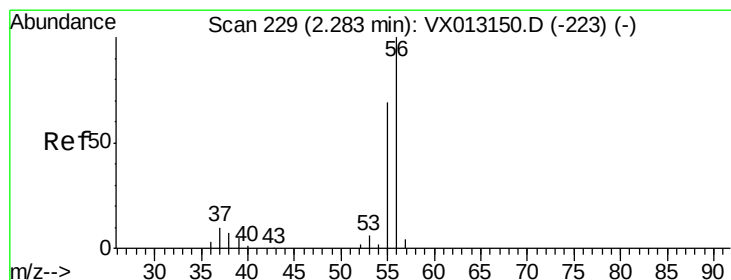
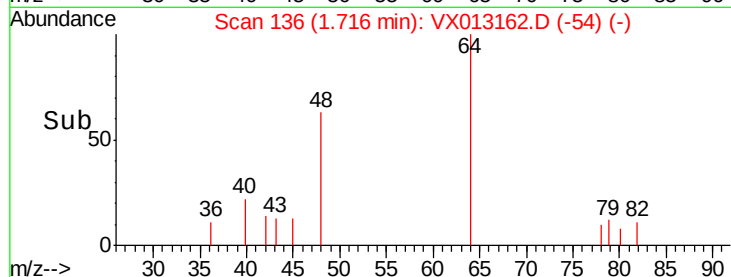
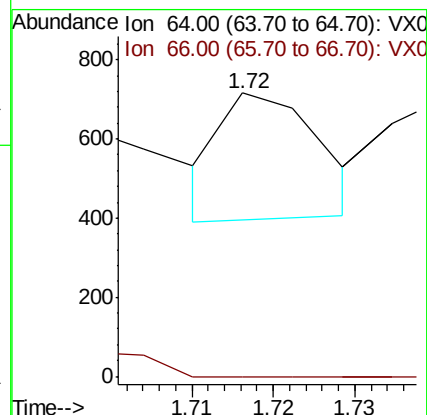
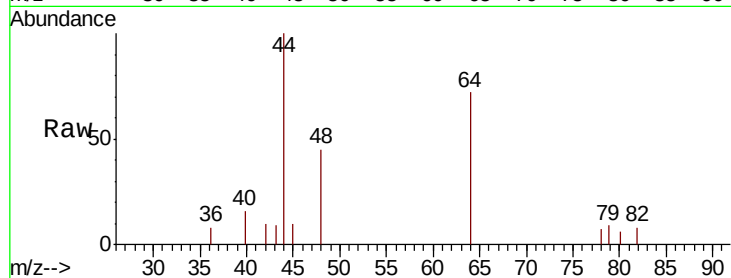
OF-1

Tot Ion: 64 Resp: 266

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#



#13

Acrolein

Concen: 0.498 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013162.D

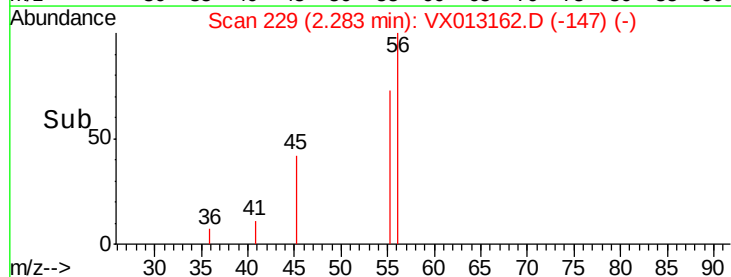
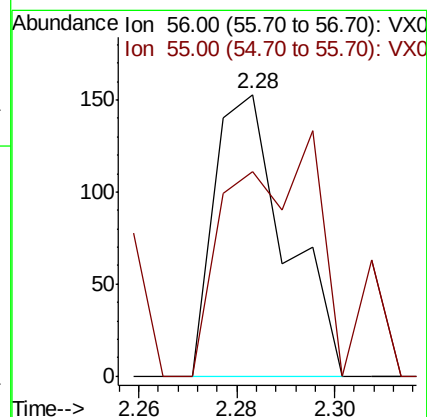
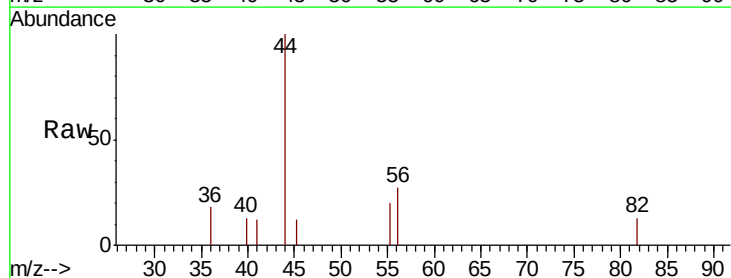
Acq: 21 Oct 2019 19:14

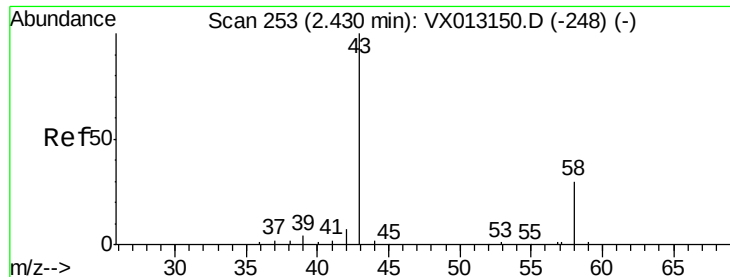
Tgt Ion: 56 Resp: 155

Ion Ratio Lower Upper

56 100

55 71.0 55.8 83.8





#15

Acetone

Concen: 15.545 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013162.D

Acq: 21 Oct 2019 19:14

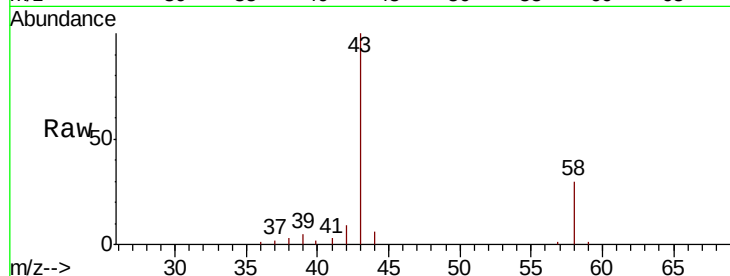
Instrument :
MSVOA_X
ClientSampled :
OF-1

Tot Ion: 58 Resp: 4476

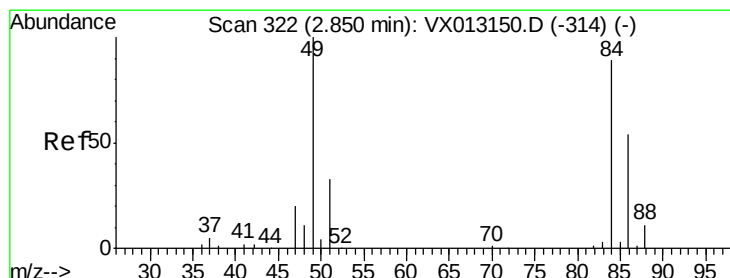
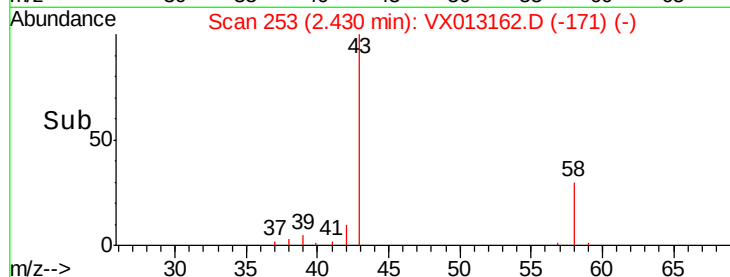
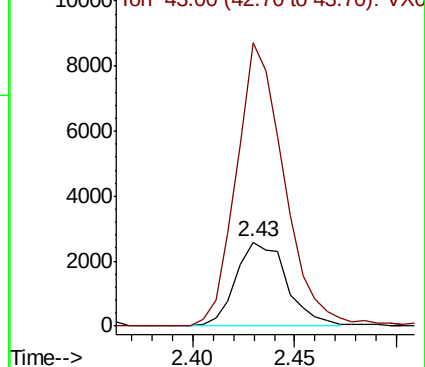
Ion Ratio Lower Upper

58 100

43 336.5 262.8 394.2



Abundance Ion 58.00 (57.70 to 58.70): VX0
Ion 43.00 (42.70 to 43.70): VX0



#18

Methylene Chloride

Concen: 0.202 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX013162.D

Acq: 21 Oct 2019 19:14

Tgt Ion: 84 Resp: 378

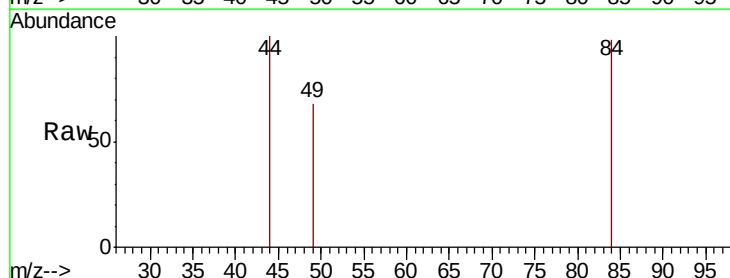
Ion Ratio Lower Upper

84 100

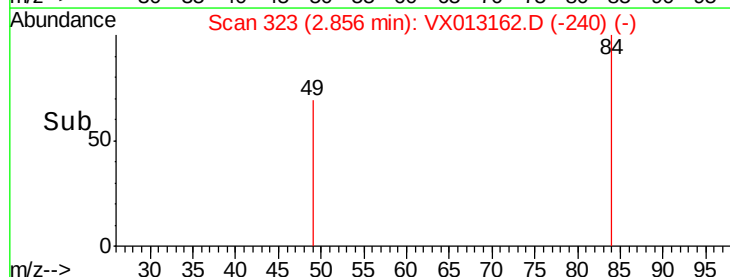
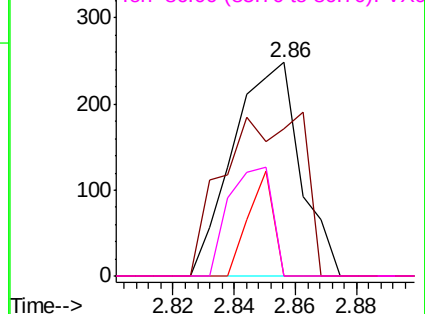
49 69.4 90.3 135.5#

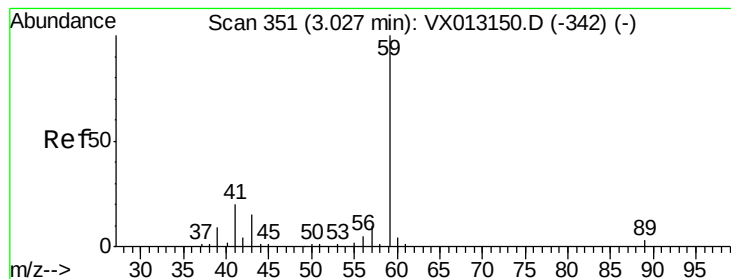
51 0.0 29.9 44.9#

86 0.0 49.0 73.4#



Abundance Ion 84.00 (83.70 to 84.70): VX0
Ion 49.00 (48.70 to 49.70): VX0
Ion 51.00 (50.70 to 51.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





#23

tert-Butyl Alcohol

Concen: 5.710 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX013162.D

Acq: 21 Oct 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

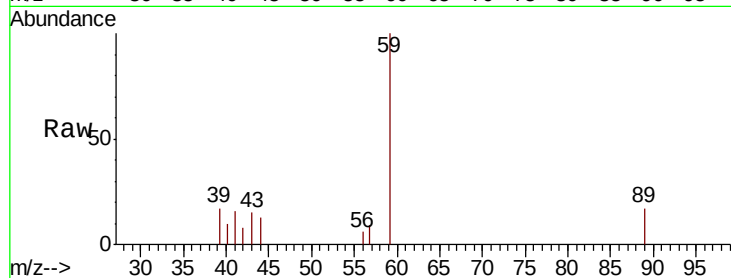
OF-1

Tot Ion: 59 Resp: 2629

Ion Ratio Lower Upper

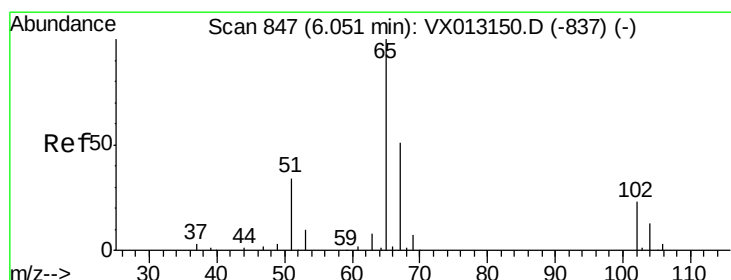
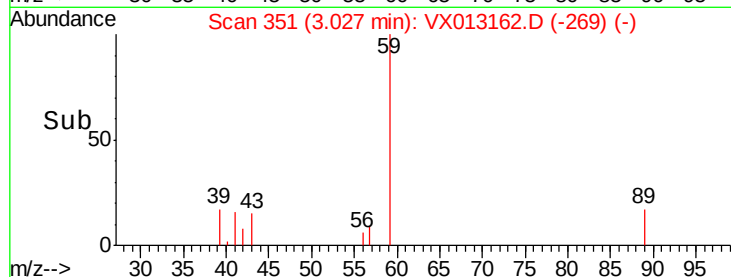
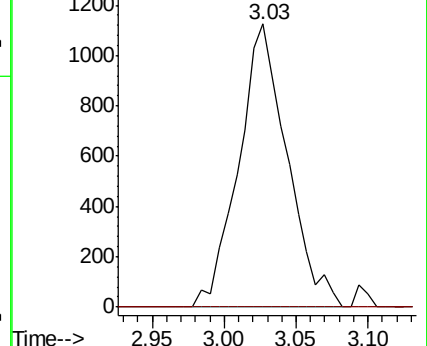
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#27

1,2-Dichloroethane-d4

Concen: 30.053 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013162.D

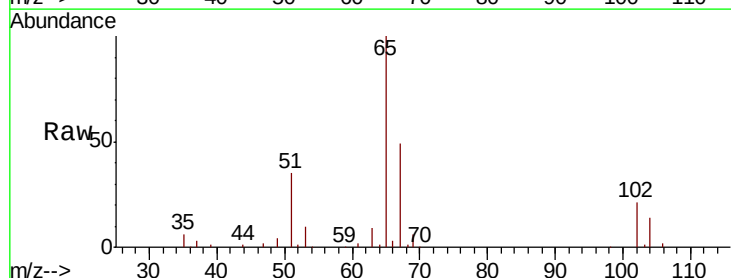
Acq: 21 Oct 2019 19:14

Tgt Ion: 65 Resp: 62410

Ion Ratio Lower Upper

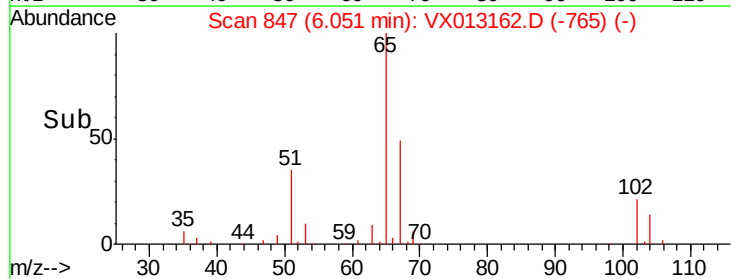
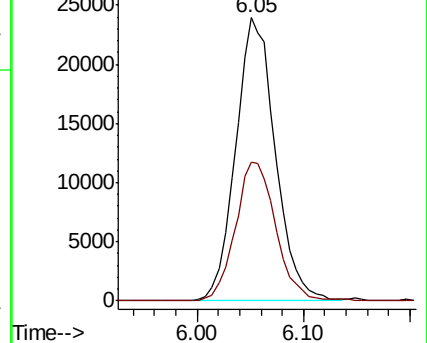
65 100

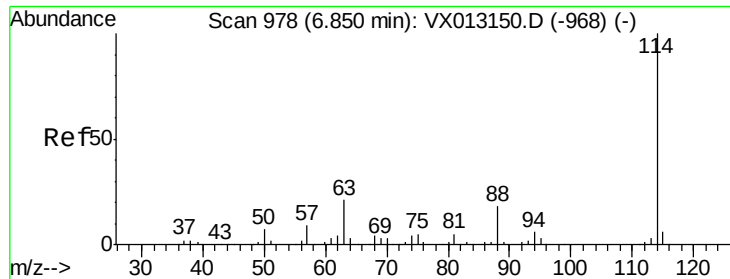
67 49.7 42.2 63.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

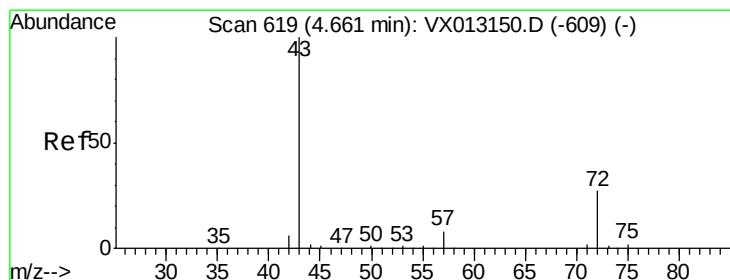
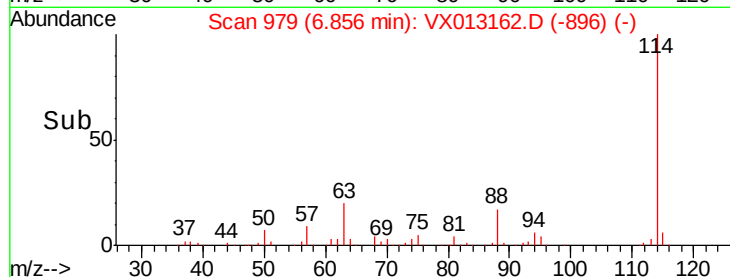
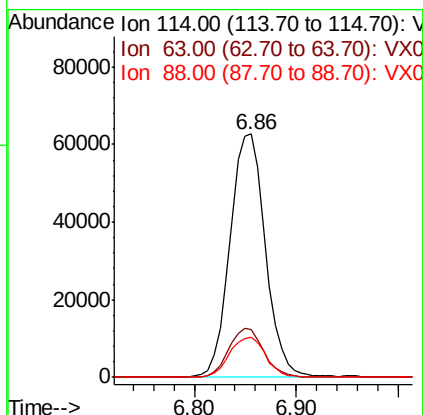
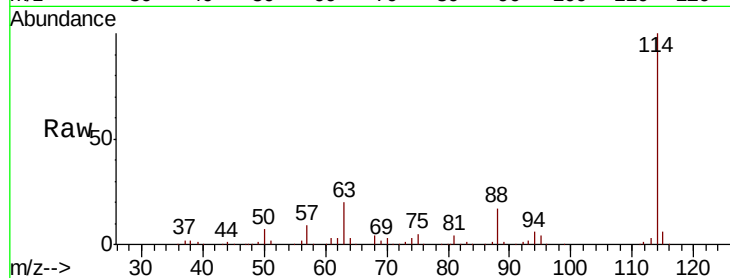




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX013162.D
 Acq: 21 Oct 2019 19:14

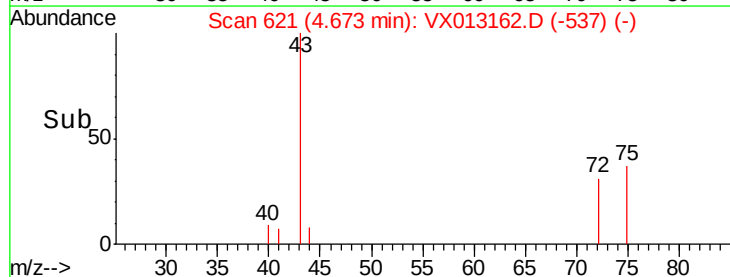
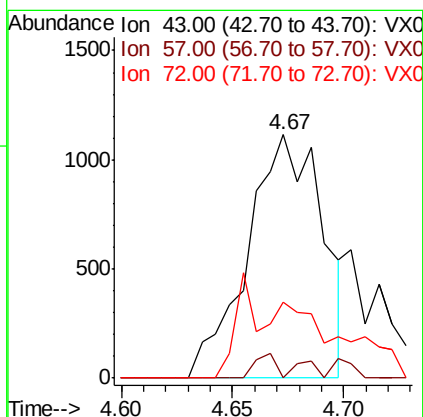
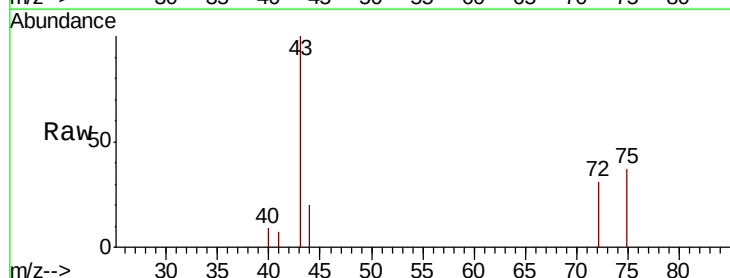
Instrument :
 MSVOA_X
 ClientSampled :
 OF-1

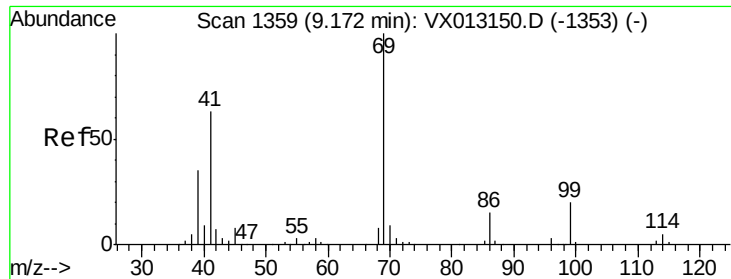
Tot Ion:114 Resp: 150833
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.1 24.1
 88 16.9 13.7 20.5



#30
 2-Butanone
 Concen: 2.122 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: VX013162.D
 Acq: 21 Oct 2019 19:14

Tgt Ion: 43 Resp: 2608
 Ion Ratio Lower Upper
 43 100
 57 2.8 7.0 10.6#
 72 11.2 23.4 35.2#





#51

Ethyl methacrylate

Concen: 0.240 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.46 min

Lab File: VX013162.D

Acq: 21 Oct 2019 19:14

Instrument :

MSVOA_X

ClientSampled :

OF-1

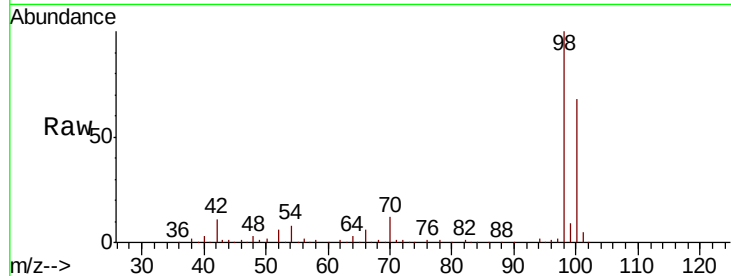
Tot Ion: 69 Resp: 658

Ion Ratio Lower Upper

69 100

41 48.9 31.6 95.0

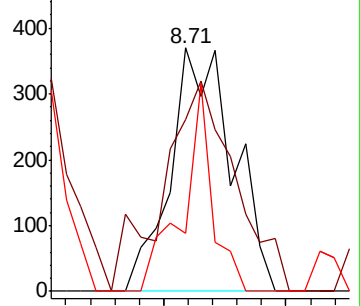
39 23.8 17.7 53.1



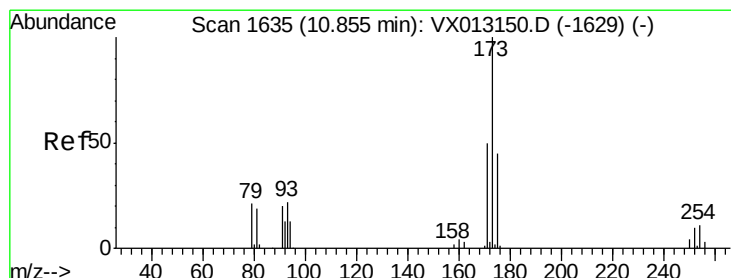
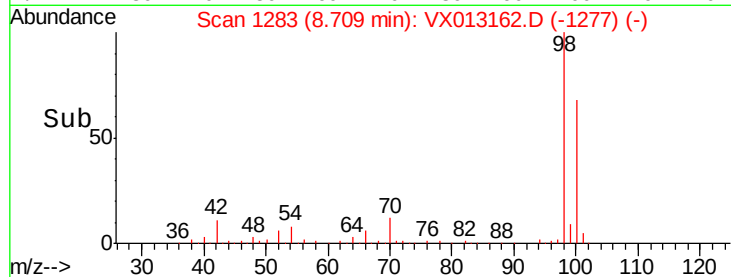
Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->



#56

Bromoform

Concen: 0.475 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.28 min

Lab File: VX013162.D

Acq: 21 Oct 2019 19:14

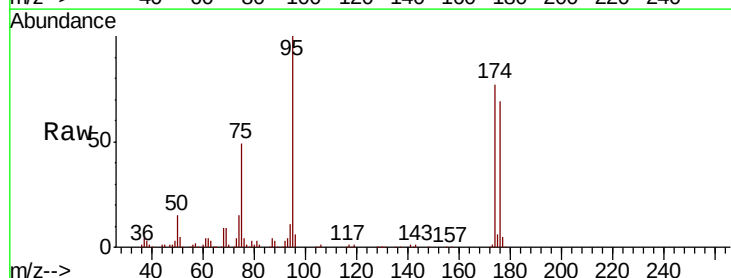
Tgt Ion: 173 Resp: 635

Ion Ratio Lower Upper

173 100

175 549.6 39.0 58.4#

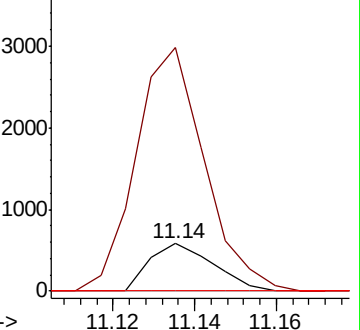
254 0.0 8.1 12.1#



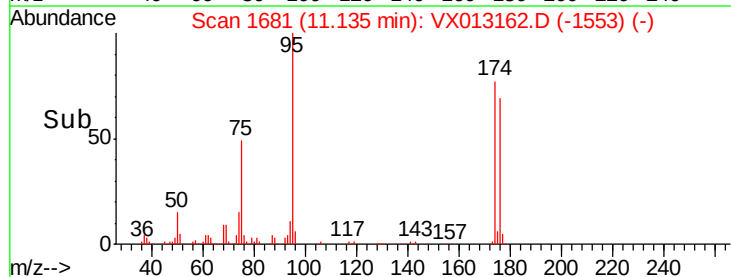
Abundance Ion 173.00 (172.70 to 173.70): V

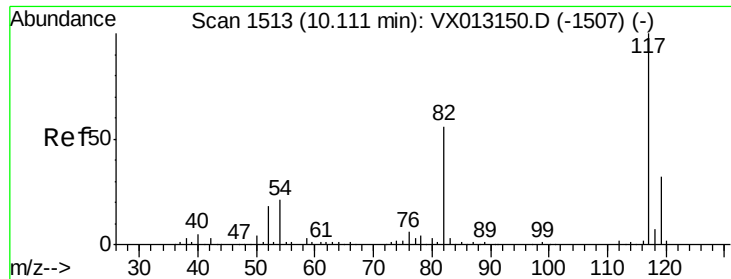
Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



Time-->

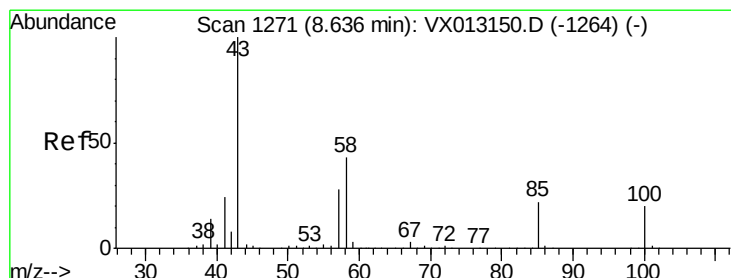
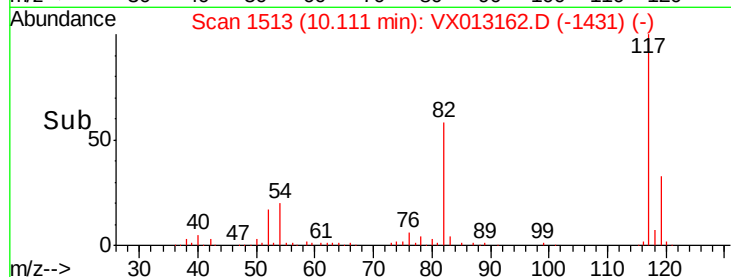
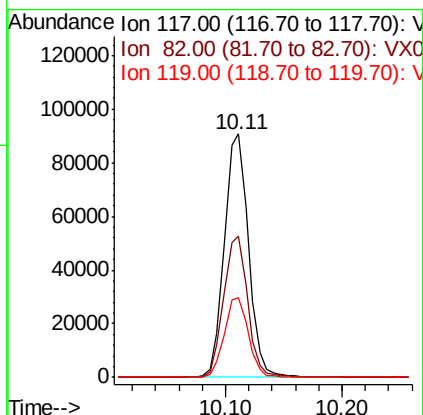
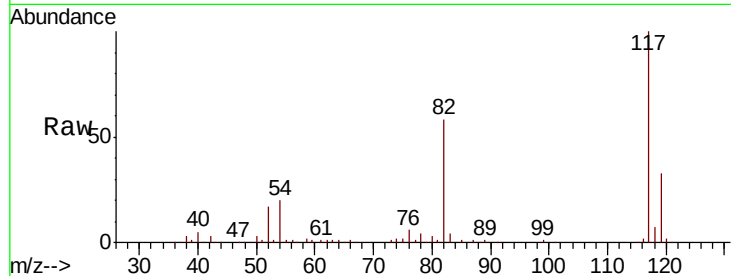




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013162.D
Acq: 21 Oct 2019 19:14

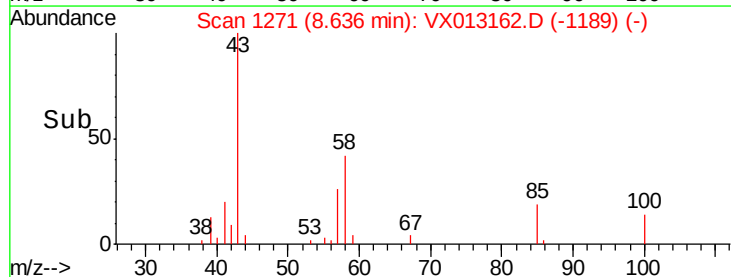
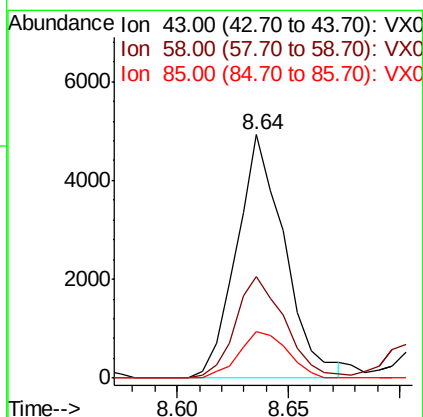
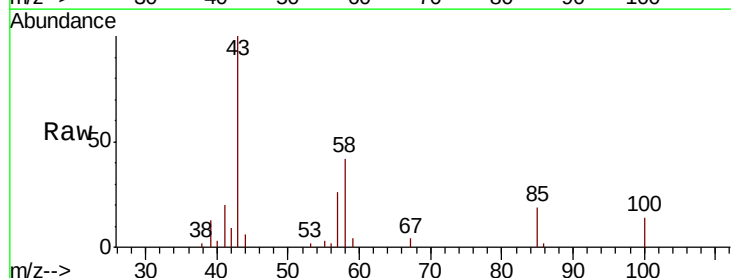
Instrument :
MSVOA_X
ClientSampled :
OF-1

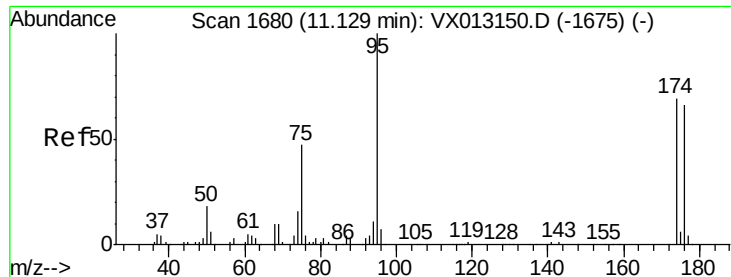
Tot Ion:117 Resp: 130340
Ion Ratio Lower Upper
117 100
82 57.6 46.0 69.0
119 32.8 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 3.387 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013162.D
Acq: 21 Oct 2019 19:14

Tgt Ion: 43 Resp: 7438
Ion Ratio Lower Upper
43 100
58 43.3 33.8 50.8
85 19.3 16.8 25.2

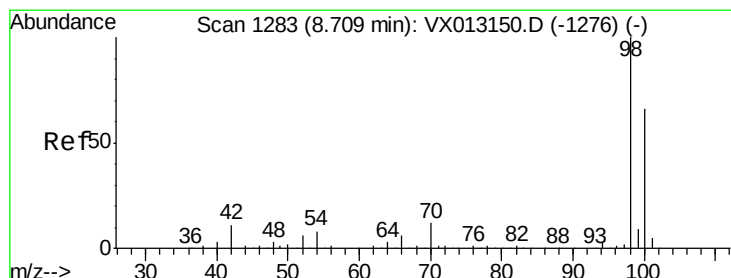
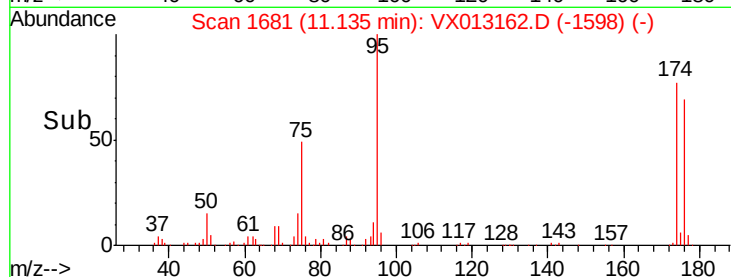
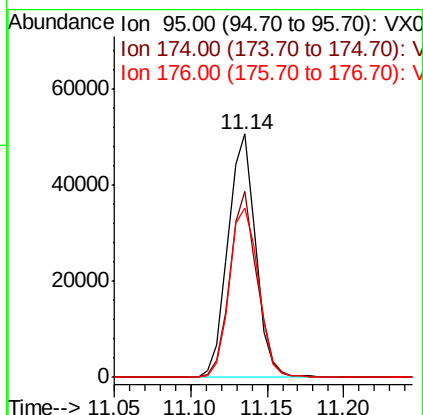
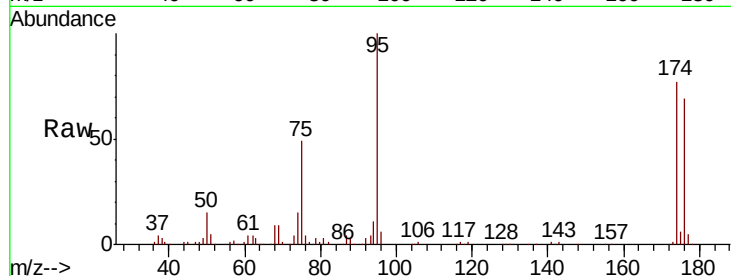




#60
 4-Bromofluorobenzene
 Concen: 28.037 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX013162.D
 Acq: 21 Oct 2019 19:14

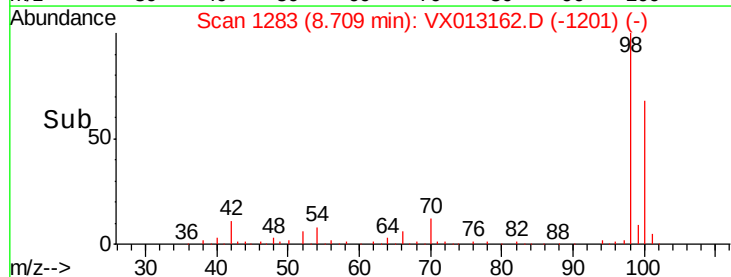
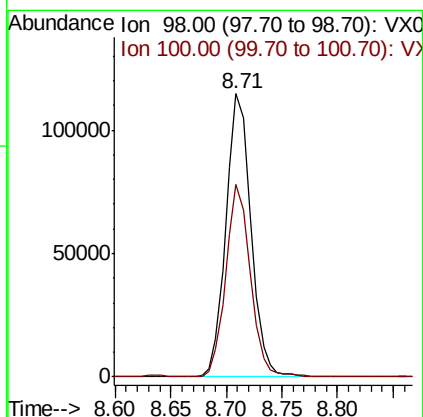
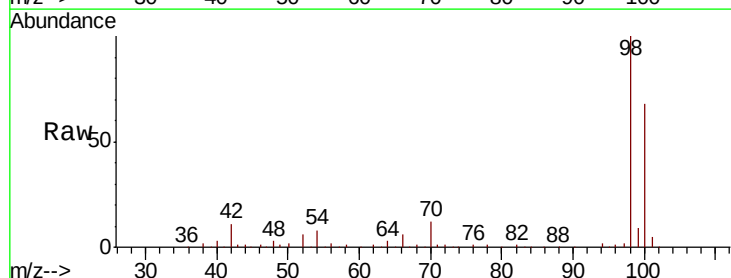
Instrument :
 MSVOA_X
 ClientSampleId :
 OF-1

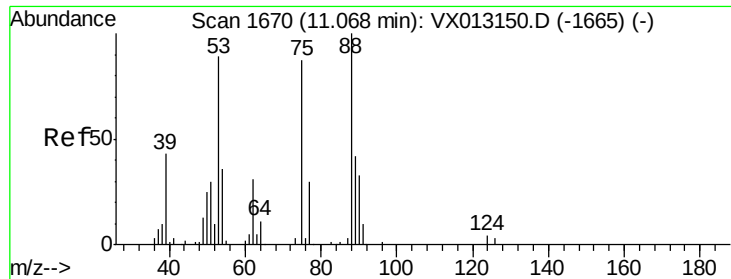
Tot Ion: 95 Resp: 63633
 Ion Ratio Lower Upper
 95 100
 174 75.3 60.0 90.0
 176 72.8 58.5 87.7



#63
 Toluene-d8
 Concen: 31.004 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX013162.D
 Acq: 21 Oct 2019 19:14

Tgt Ion: 98 Resp: 179732
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.1 79.7





#77
t-1,4-Dichloro-2-butene
Concen: 37.908 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.07 min
Lab File: VX013162.D
Acq: 21 Oct 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
OF-1

Tot Ion: 75 Resp: 31581
Ion Ratio Lower Upper
75 100
53 0.0 51.1 153.4#
89 0.2 24.1 72.4#

