

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020520\
 Data File : VX014821.D
 Acq On : 05 Feb 2020 14:45
 Operator : JC/SP
 Sample : L1392-02DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 06 03:05:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	64633	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	364822	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	334058	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	148530	32.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	108.97%
60) 4-Bromofluorobenzene	11.13	95	152193	28.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.90%
63) Toluene-d8	8.71	98	439378	29.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.07%

Target Compounds

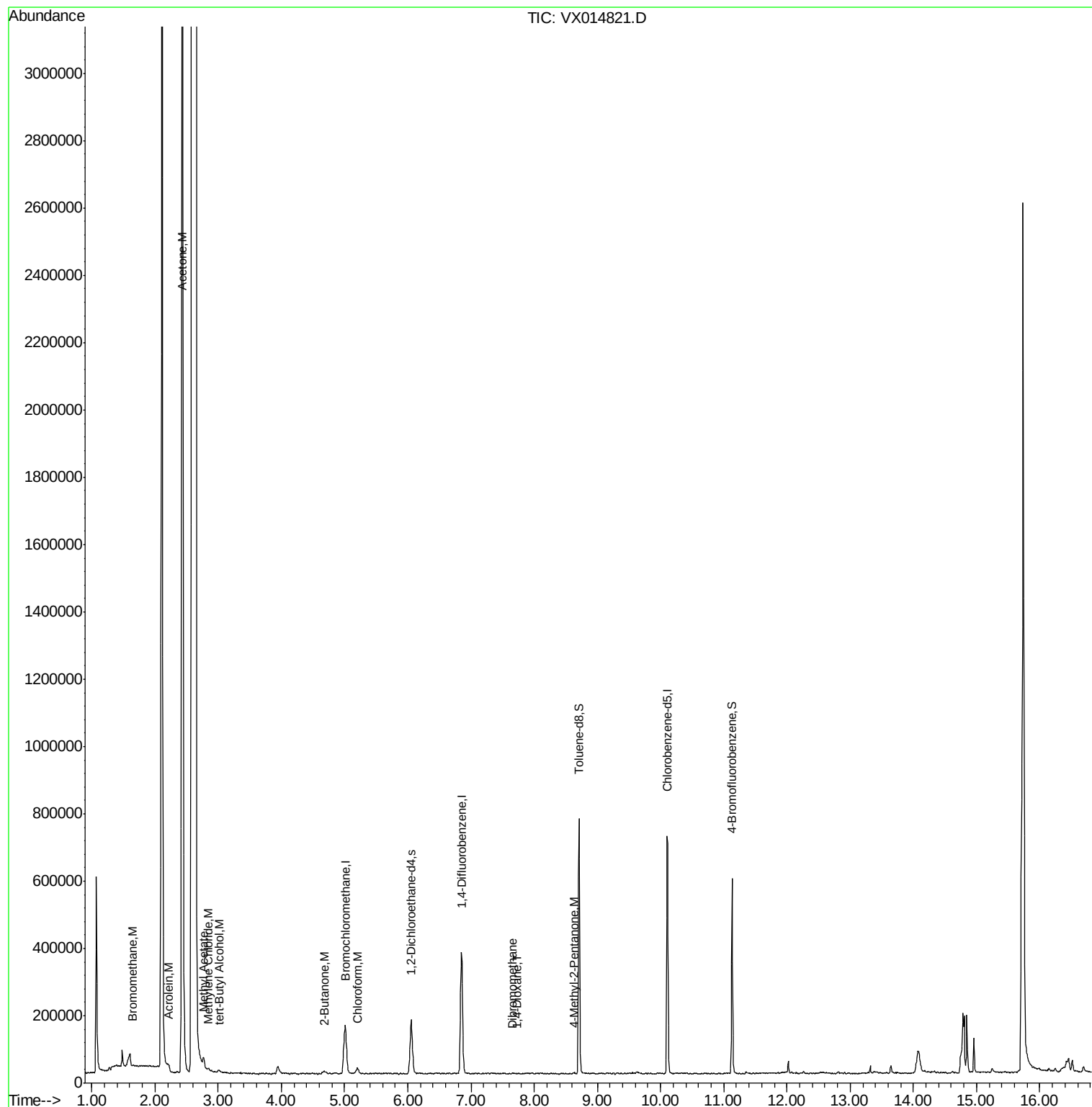
					Ovalue	
5) Bromomethane	1.64	94	1227	0.358	ug/l	94
12) Methyl Acetate	2.76	43	33703	5.214	ug/l	94
13) Acrolein	2.22	56	150	0.221	ug/l	92
15) Acetone	2.43	58	1512003	2039.291	ug/l	91
18) Methylene Chloride	2.85	84	2004	0.479	ug/l #	82
23) tert-Butyl Alcohol	3.01	59	2701	2.953	ug/l #	97
25) Chloroform	5.20	83	19174	2.781	ug/l	98
30) 2-Butanone	4.67	43	5724	1.689	ug/l #	96
40) Dibromomethane	7.65	93	596	0.216	ug/l	40
45) 1,4-Dioxane	7.73	88	248	2.505	ug/l #	36
58) 4-Methyl-2-Pentanone	8.64	43	1263	0.201	ug/l #	82

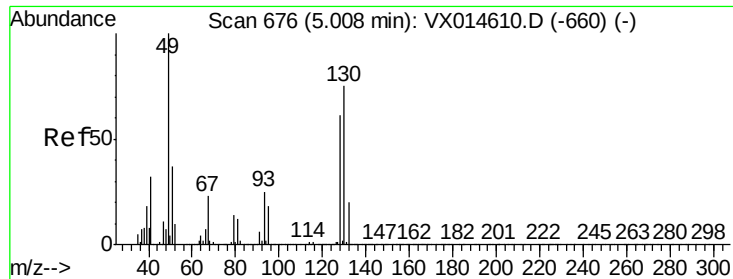
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020520\
Data File : VX014821.D
Acq On : 05 Feb 2020 14:45
Operator : JC/SP
Sample : L1392-02DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Feb 06 03:05:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
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: VX014821.D

Acq: 05 Feb 2020 14:45

Instrument :

MSVOA_X

ClientSampleId :

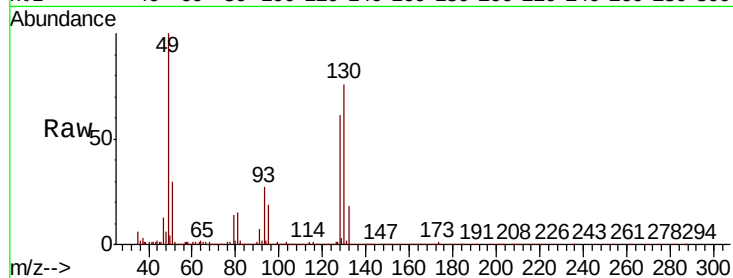
Tot Ion:128 Resp: 64633

Ion Ratio Lower Upper

128 100

49 163.4 0.0 405.0

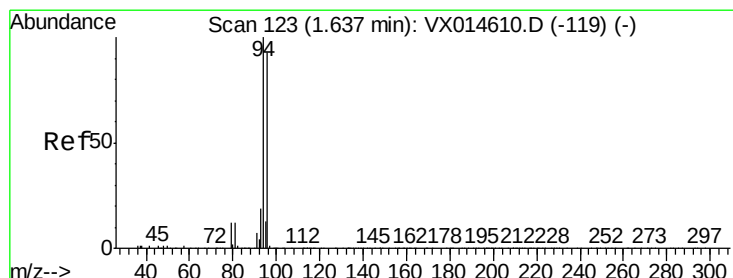
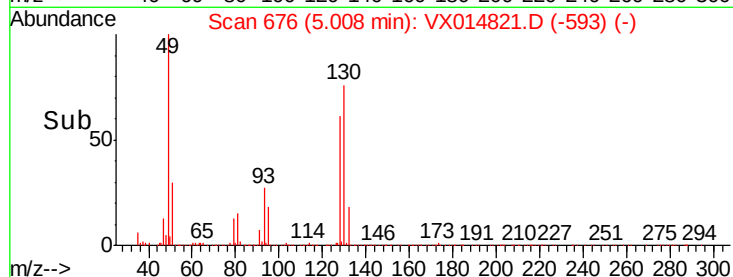
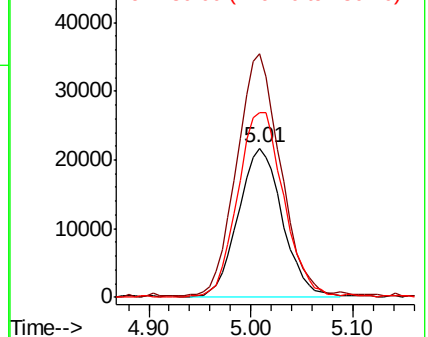
130 131.4 0.0 321.5



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



#5

Bromomethane

Concen: 0.358 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014821.D

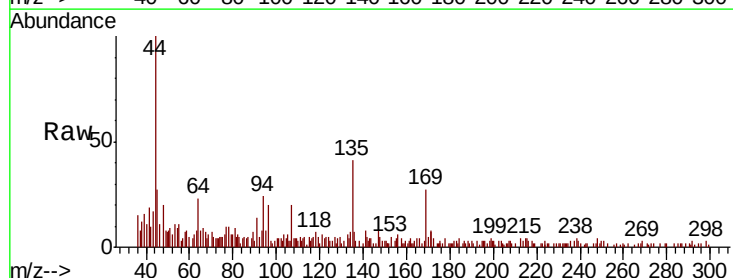
Acq: 05 Feb 2020 14:45

Tgt Ion: 94 Resp: 1227

Ion Ratio Lower Upper

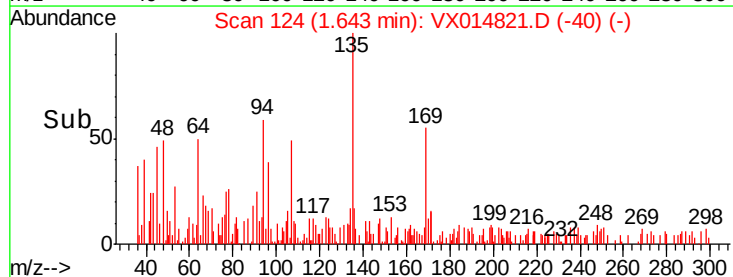
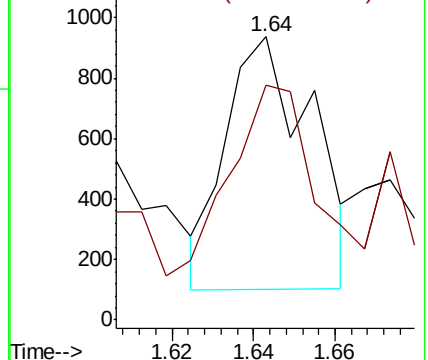
94 100

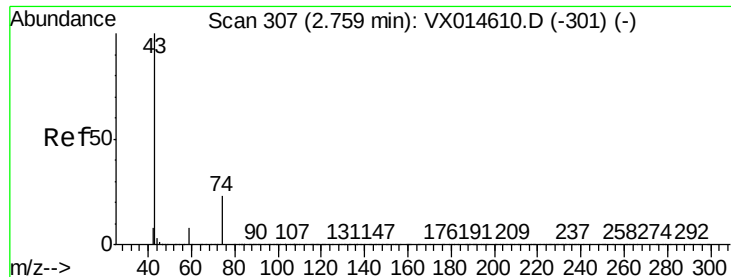
96 87.6 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

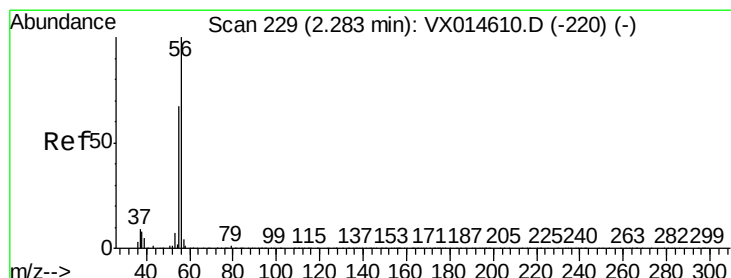
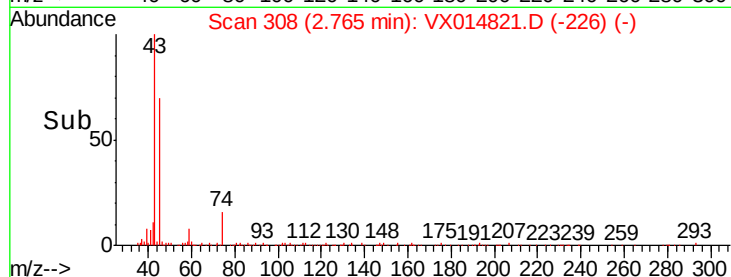
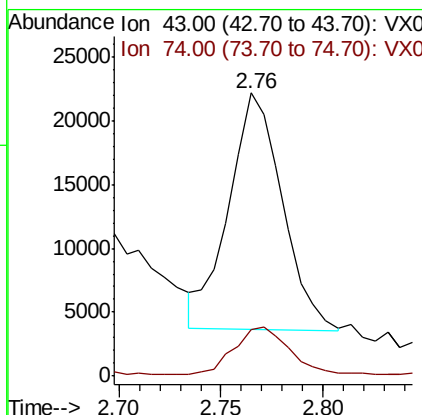
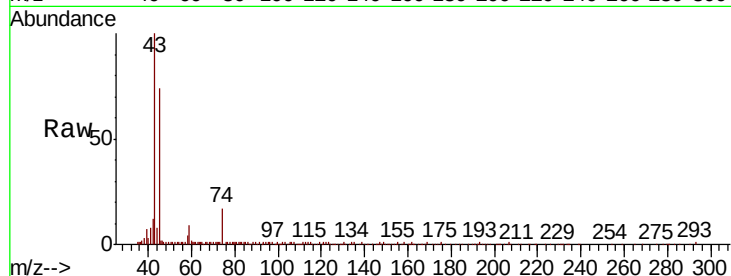




#12
Methvl Acetate
Concen: 5.214 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX014821.D
Acq: 05 Feb 2020 14:45

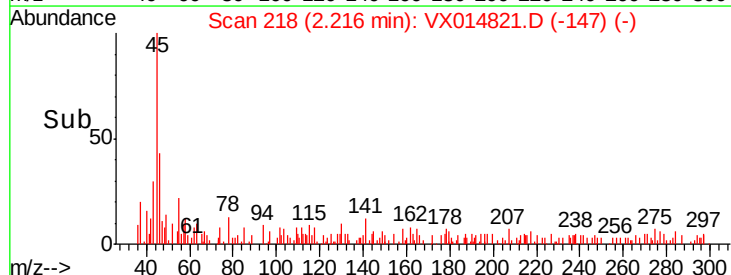
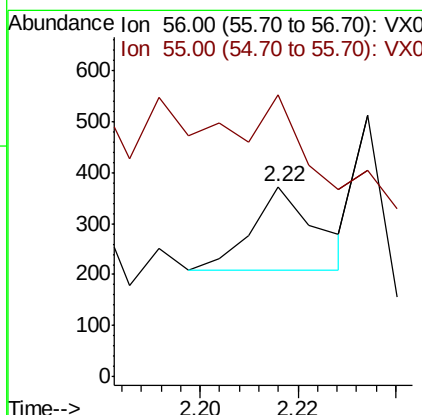
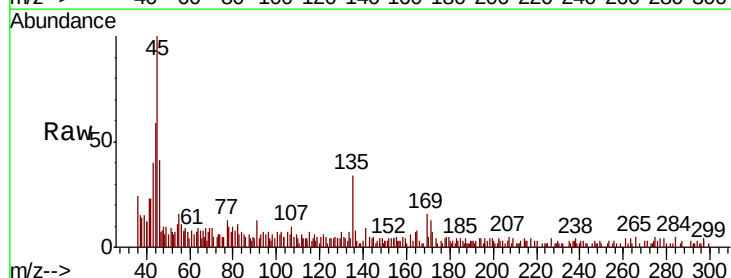
Instrument :
MSVOA_X
ClientSampleId :

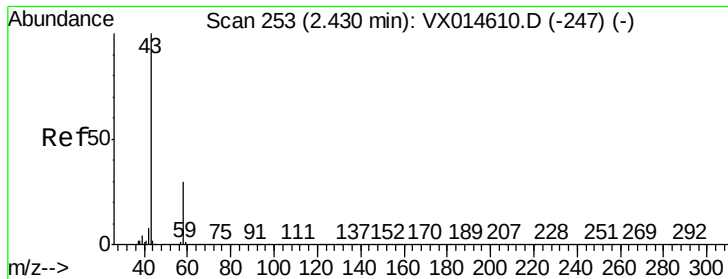
Tot Ion: 43 Resp: 33703
Ion Ratio Lower Upper
43 100
74 20.3 18.5 27.7



#13
Acrolein
Concen: 0.221 ug/l
RT: 2.22 min Scan# 218
Delta R.T. -0.07 min
Lab File: VX014821.D
Acq: 05 Feb 2020 14:45

Tgt Ion: 56 Resp: 150
Ion Ratio Lower Upper
56 100
55 62.0 54.9 82.3





#15

Acetone

Concen: 2039.291 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014821.D

Acq: 05 Feb 2020 14:45

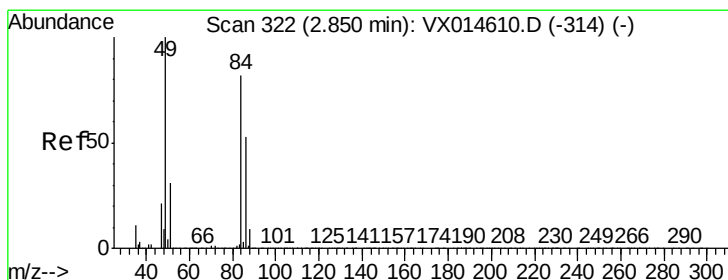
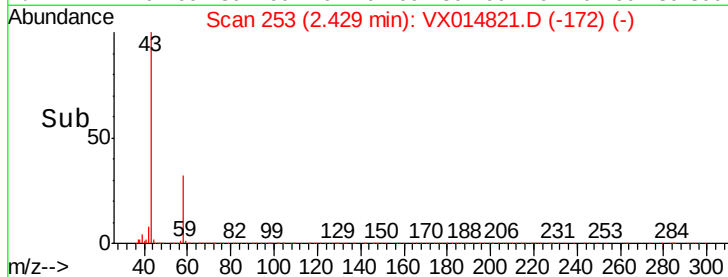
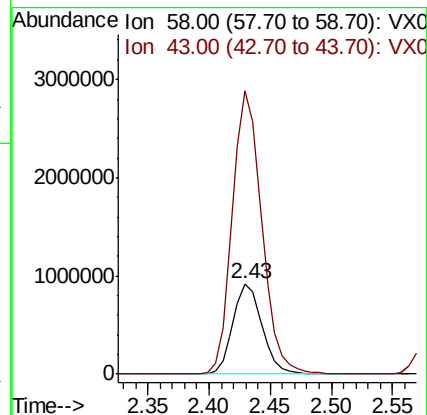
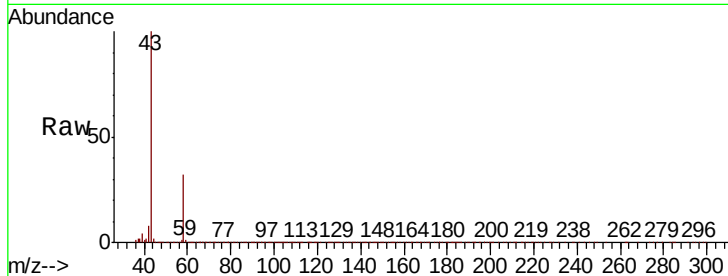
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 58 Resp: 1512003

Ion Ratio Lower Upper

58 100

43 313.4 236.3 354.5



#18

Methylene Chloride

Concen: 0.479 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX014821.D

Acq: 05 Feb 2020 14:45

Tgt Ion: 84 Resp: 2004

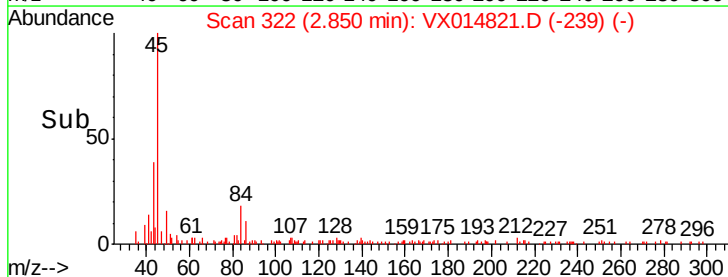
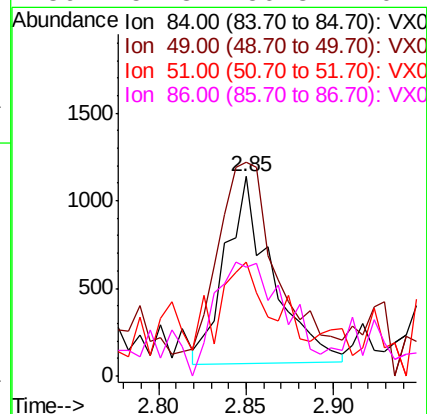
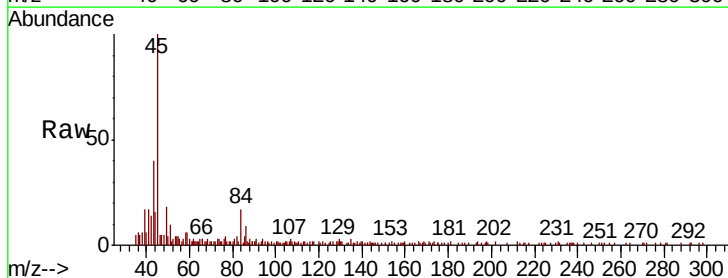
Ion Ratio Lower Upper

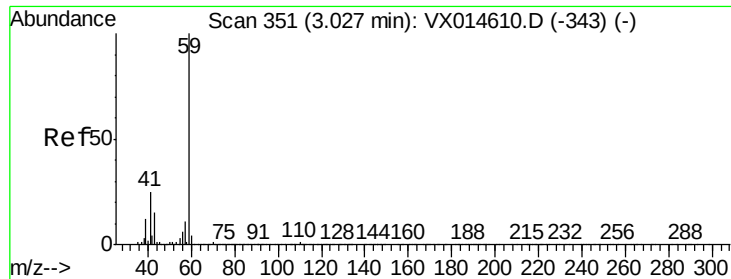
84 100

49 98.2 102.2 153.2#

51 46.4 31.4 47.0

86 57.3 50.8 76.2



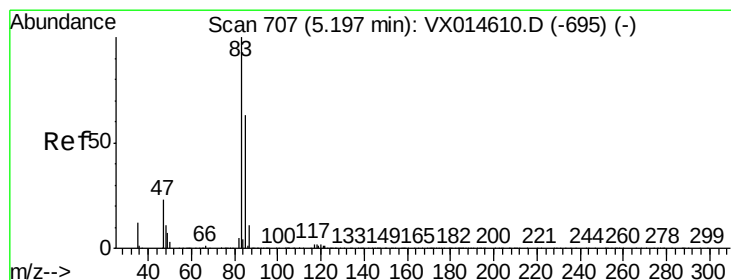
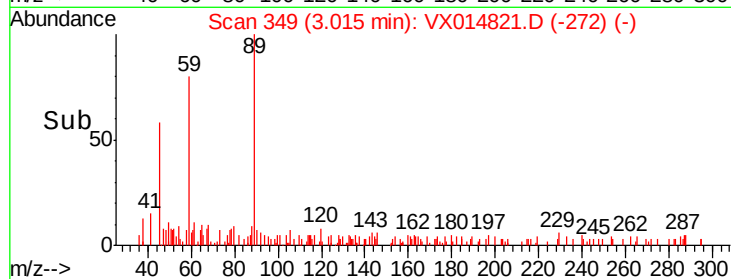
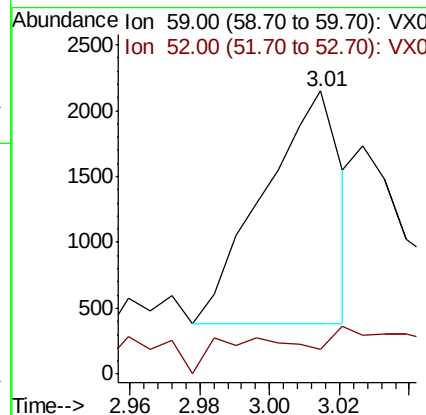
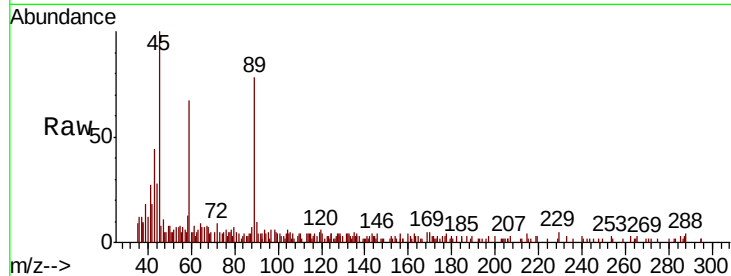


#23

tert-Butyl Alcohol
 Concen: 2.953 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.03 min
 Lab File: VX014821.D
 Acq: 05 Feb 2020 14:45

Instrument :
 MSVOA_X
 ClientSampled :

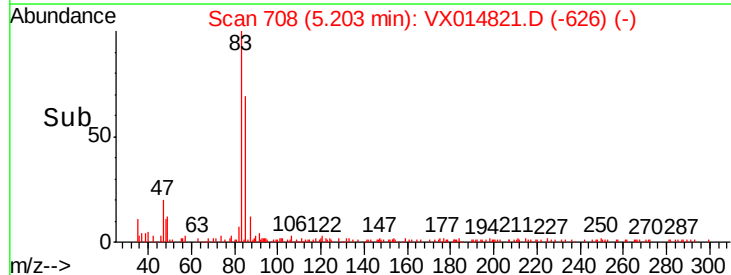
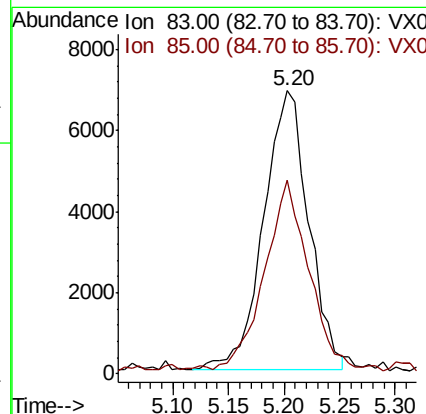
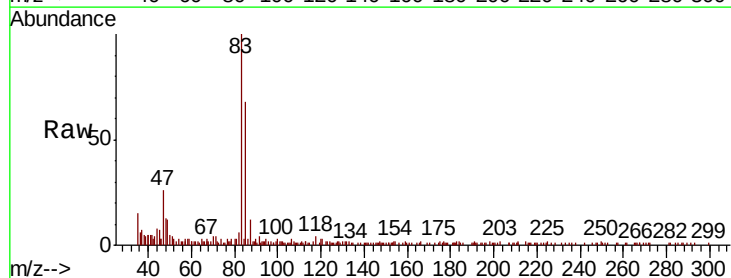
Tot Ion: 59 Resp: 2701
 Ion Ratio Lower Upper
 59 100
 52 4.7 0.2 0.2#

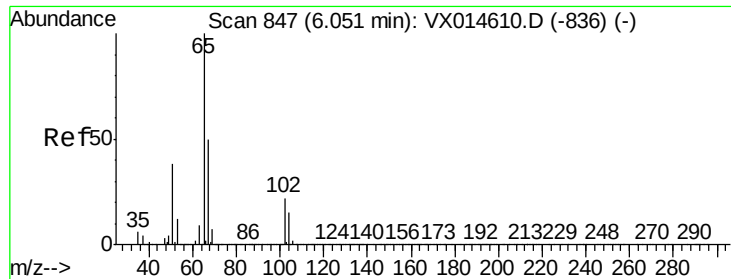


#25

Chloroform
 Concen: 2.781 ug/l
 RT: 5.20 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VX014821.D
 Acq: 05 Feb 2020 14:45

Tgt Ion: 83 Resp: 19174
 Ion Ratio Lower Upper
 83 100
 85 67.6 52.7 79.1





#27

1,2-Dichloroethane-d4

Concen: 32.695 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014821.D

Acq: 05 Feb 2020 14:45

Instrument :

MSVOA_X

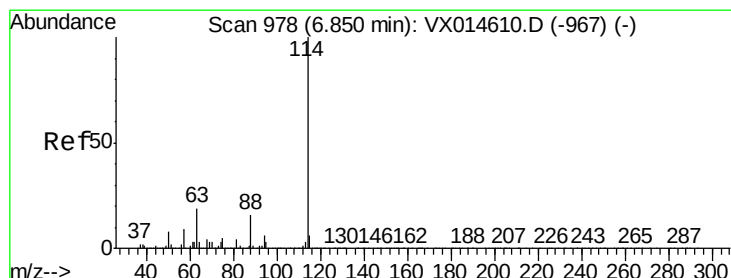
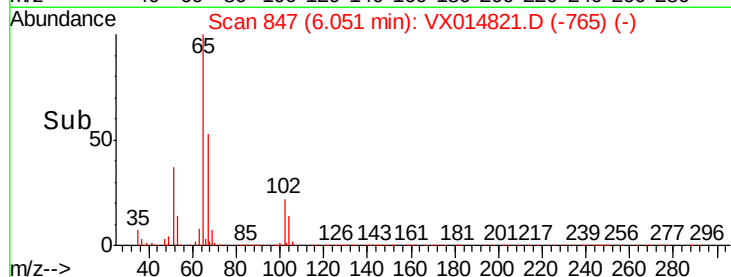
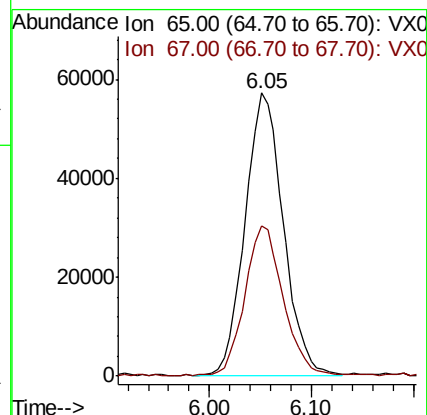
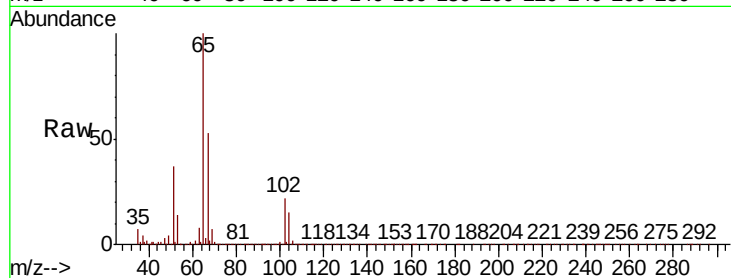
ClientSampleId :

Tot Ion: 65 Resp: 148530

Ion Ratio Lower Upper

65 100

67 52.8 43.1 64.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014821.D

Acq: 05 Feb 2020 14:45

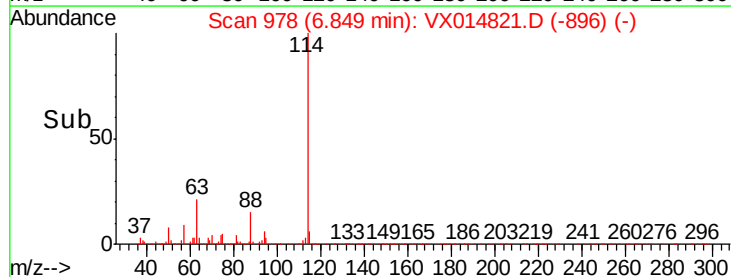
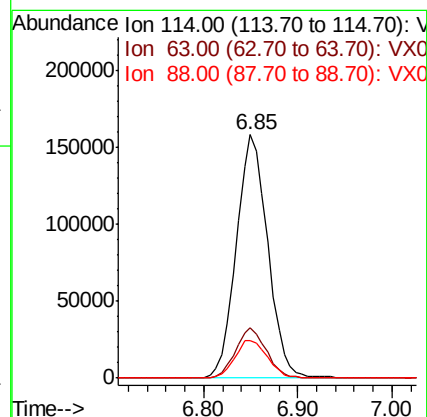
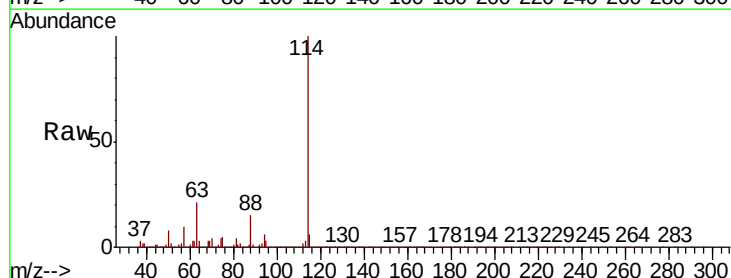
Tgt Ion: 114 Resp: 364822

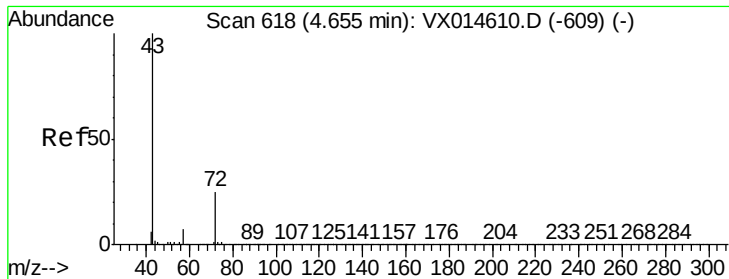
Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

88 16.2 12.5 18.7

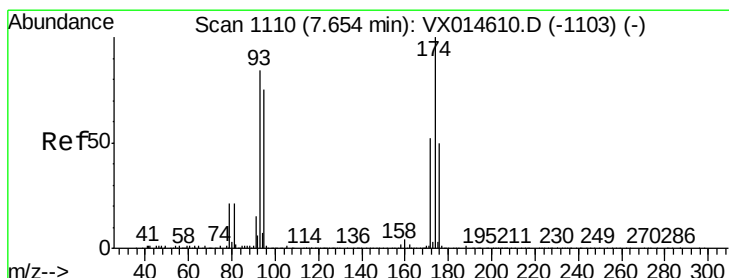
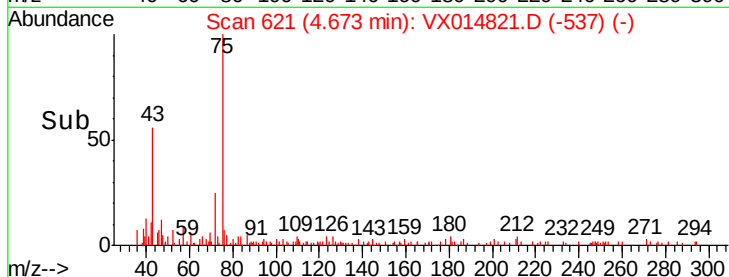
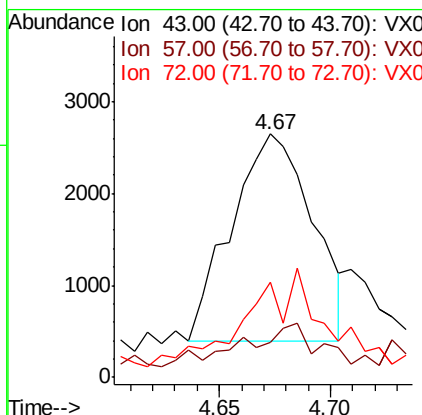
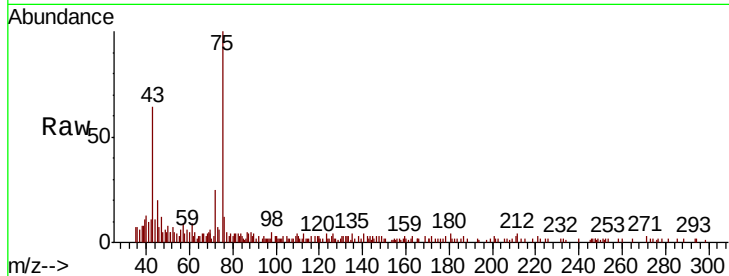




#30
2-Butanone
Concen: 1.689 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX014821.D
Acq: 05 Feb 2020 14:45

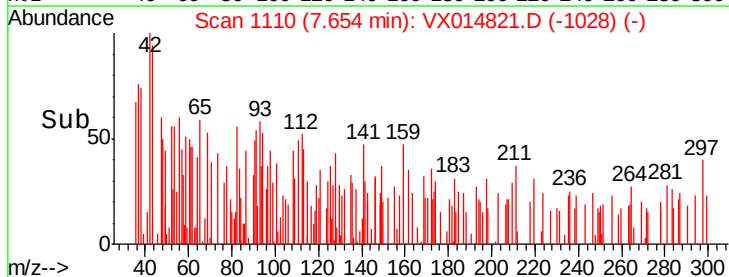
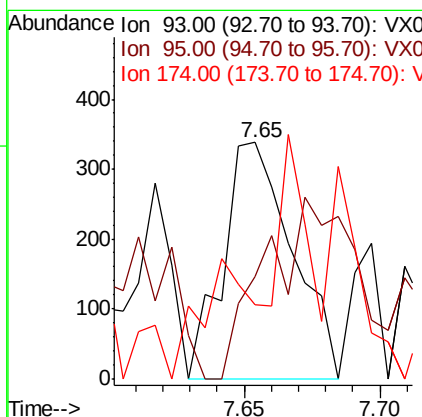
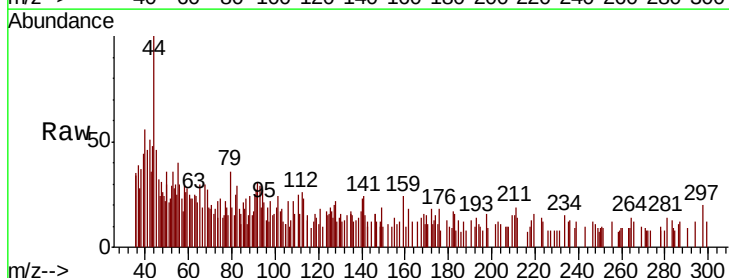
Instrument :
MSVOA_X
ClientSampleId :

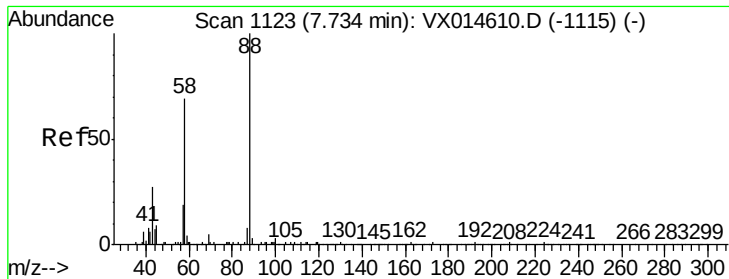
Tot Ion: 43 Resp: 5724
Ion Ratio Lower Upper
43 100
57 4.8 6.2 9.2#
72 24.2 20.3 30.5



#40
Dibromomethane
Concen: 0.216 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VX014821.D
Acq: 05 Feb 2020 14:45

Tgt Ion: 93 Resp: 596
Ion Ratio Lower Upper
93 100
95 35.4 0.0 164.4
174 42.6 0.0 228.8





#45

1,4-Dioxane

Concen: 2.505 ug/l

RT: 7.73 min Scan# 1123

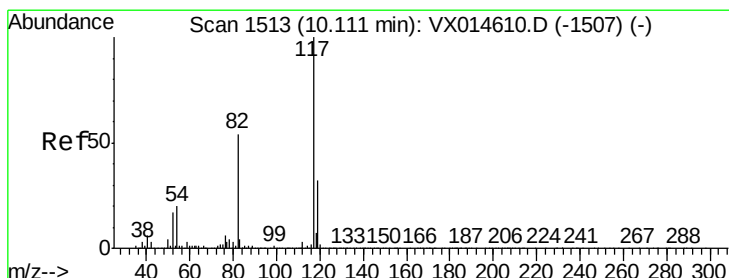
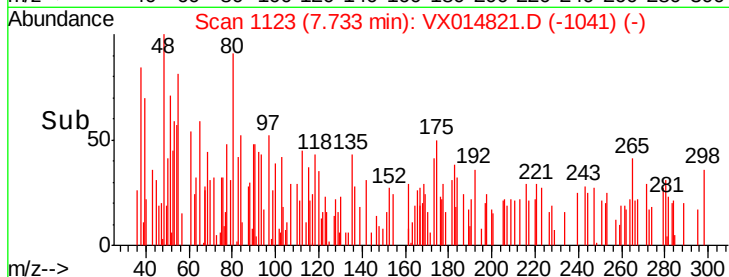
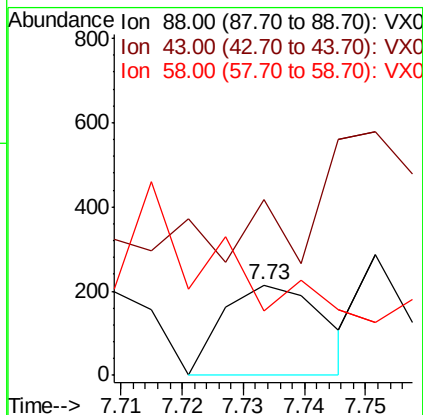
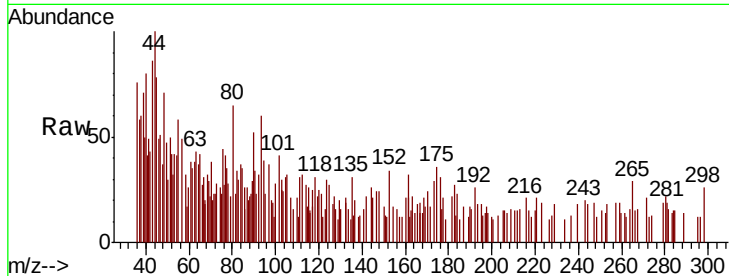
Delta R.T. -0.00 min

Lab File: VX014821.D

Acq: 05 Feb 2020 14:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	88	Resp:	248
Ion	Ratio	Lower	Upper
88	100		
43	22.2	25.4	38.2#
58	0.0	56.5	84.7#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

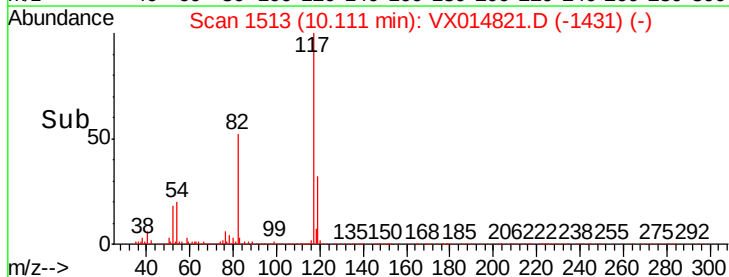
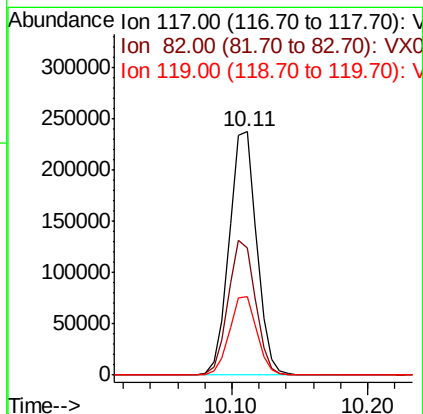
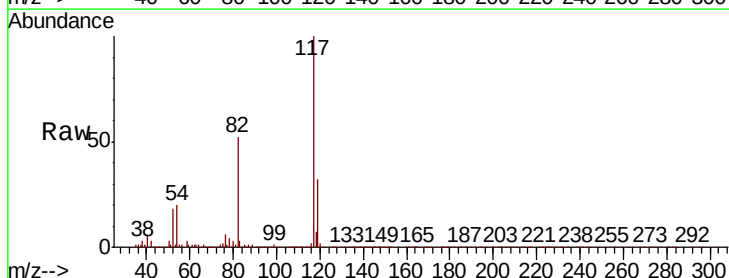
RT: 10.11 min Scan# 1513

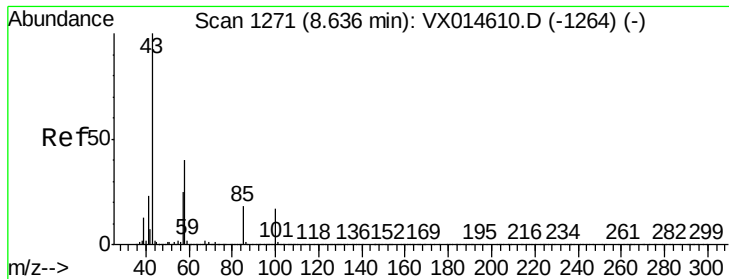
Delta R.T. -0.00 min

Lab File: VX014821.D

Acq: 05 Feb 2020 14:45

Tgt Ion:	117	Resp:	334058
Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.8	65.6
119	32.2	25.8	38.6

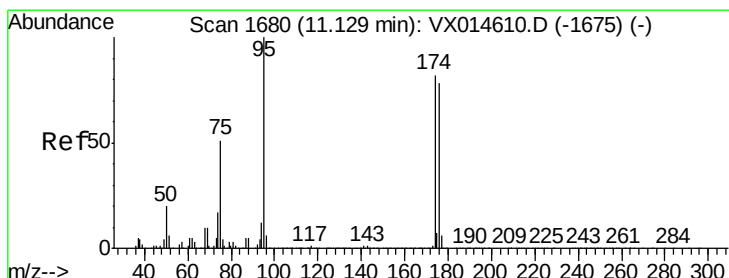
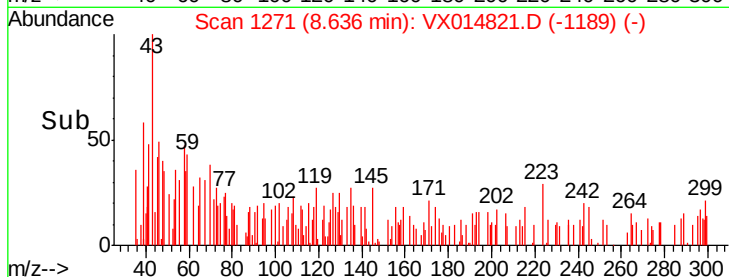
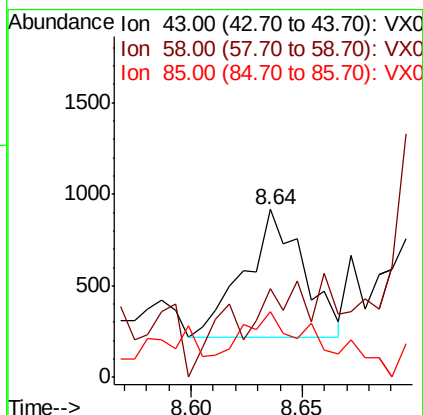
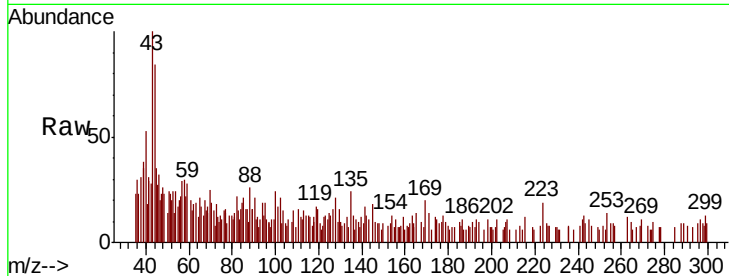




#58
4-Methyl-2-Pentanone
Concen: 0.201 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX014821.D
Acq: 05 Feb 2020 14:45

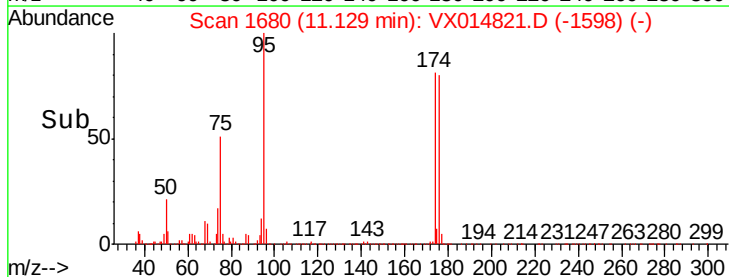
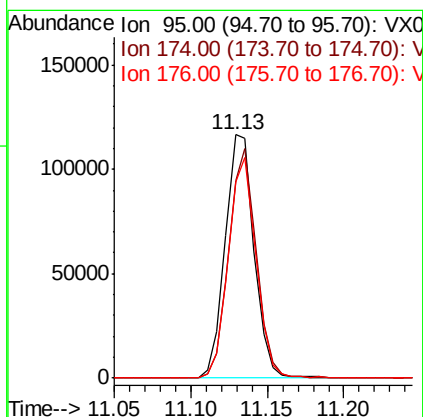
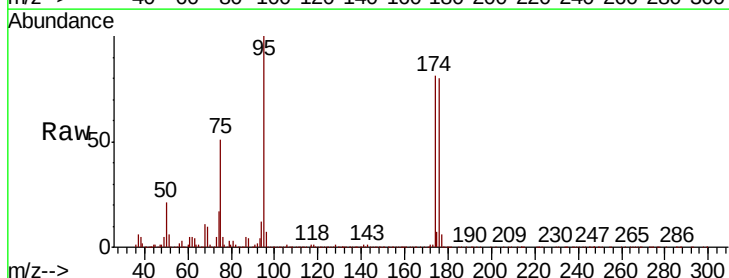
Instrument :
MSVOA_X
ClientSampled :

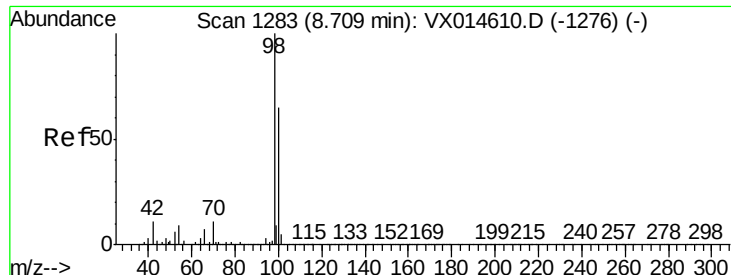
Tot Ion: 43 Resp: 1263
Ion Ratio Lower Upper
43 100
58 31.5 31.2 46.8
85 31.8 14.2 21.2#



#60
4-Bromofluorobenzene
Concen: 28.471 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014821.D
Acq: 05 Feb 2020 14:45

Tgt Ion: 95 Resp: 152193
Ion Ratio Lower Upper
95 100
174 90.3 70.2 105.2
176 87.0 68.3 102.5





#63
Toluene-d8
Concen: 29.119 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014821.D
Acq: 05 Feb 2020 14:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 439378
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2

