

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020520\
 Data File : VX014817.D
 Acq On : 05 Feb 2020 13:12
 Operator : JC/SP
 Sample : L1377-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 06 03:04:36 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	63224	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	330191	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	293434	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	140107	31.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.10%
60) 4-Bromofluorobenzene	11.13	95	125733	26.78	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.27%
63) Toluene-d8	8.71	98	397366	29.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.93%

Target Compounds

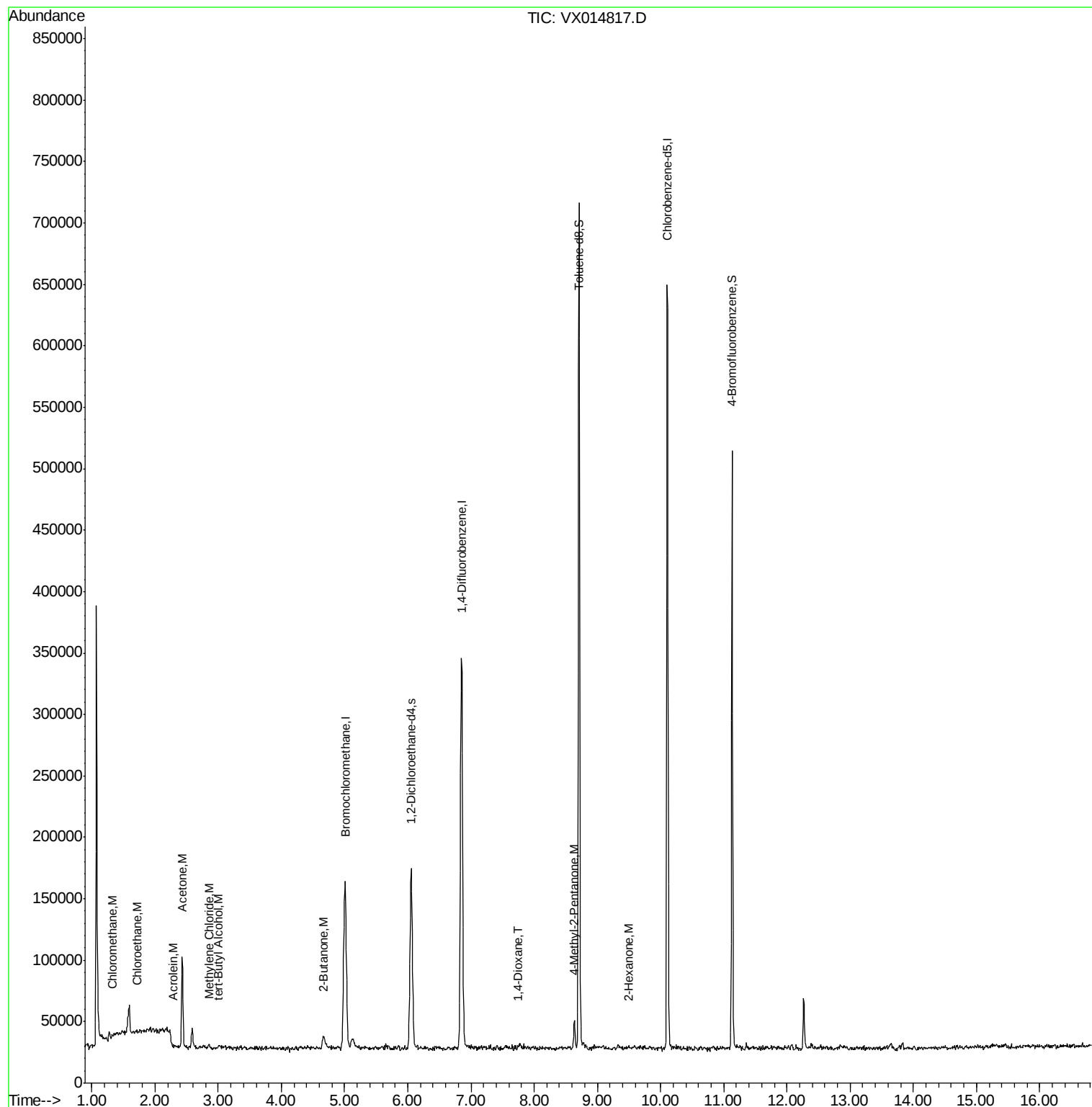
					Ovalue
3) Chloromethane	1.32	50	1456	0.304 ug/l	99
6) Chloroethane	1.71	64	714	0.236 ug/l #	43
13) Acrolein	2.29	56	330	0.497 ug/l	98
15) Acetone	2.43	58	24786	34.175 ug/l	84
18) Methylene Chloride	2.84	84	2315	0.565 ug/l #	79
23) tert-Butyl Alcohol	3.01	59	562	0.628 ug/l #	94
30) 2-Butanone	4.66	43	9922	3.234 ug/l #	45
45) 1,4-Dioxane	7.74	88	122	1.361 ug/l #	1
58) 4-Methyl-2-Pentanone	8.64	43	12825	2.321 ug/l	95
59) 2-Hexanone	9.50	43	985	0.230 ug/l #	74

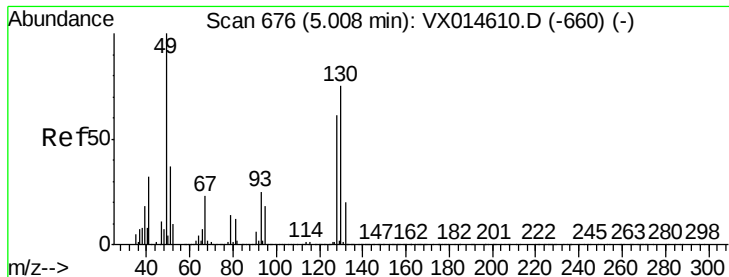
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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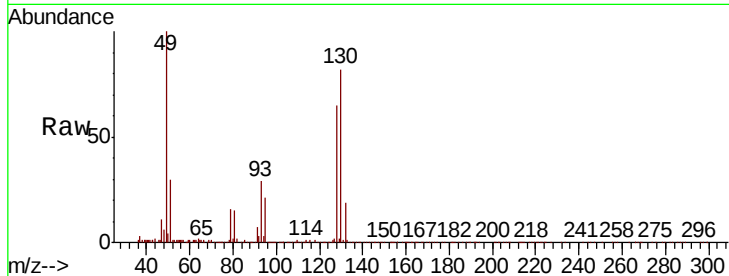


#1

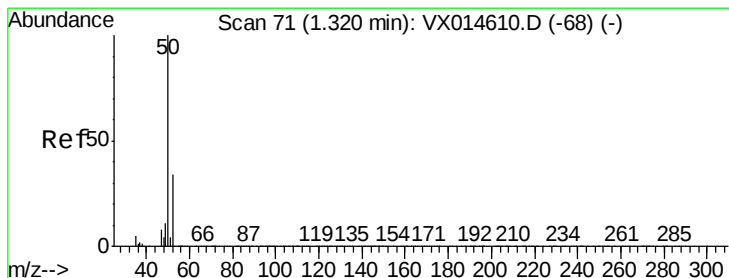
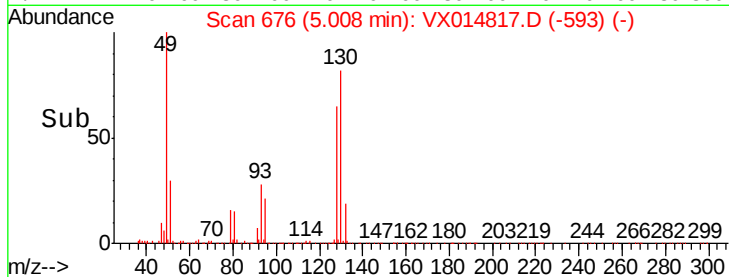
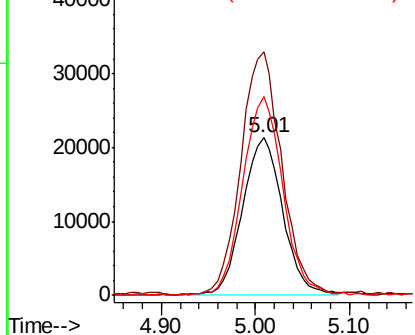
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX014817.D
Acq: 05 Feb 2020 13:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 63224
Ion Ratio Lower Upper
128 100
49 159.1 0.0 405.0
130 126.8 0.0 321.5



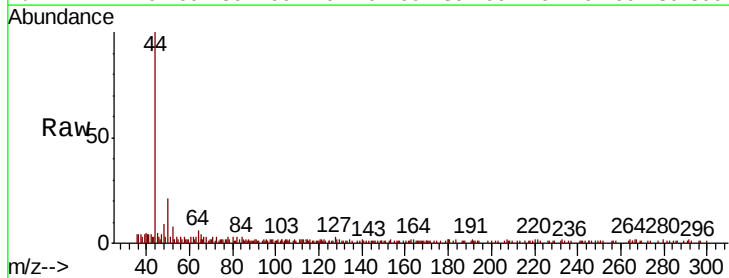
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



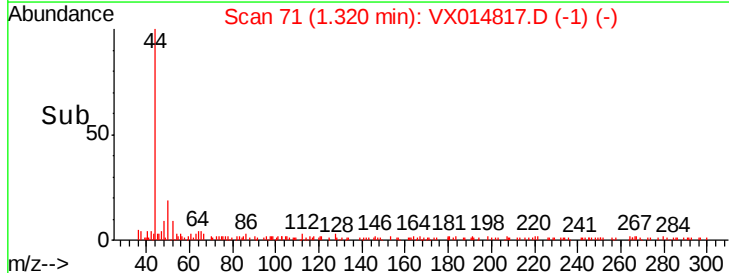
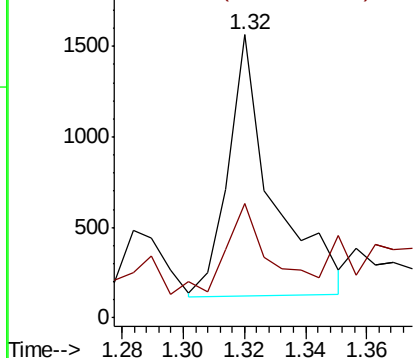
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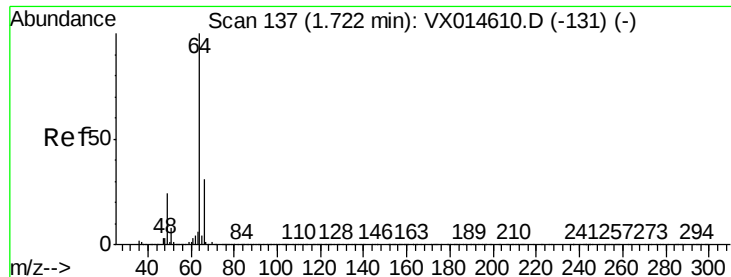
Chloromethane
Concen: 0.304 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX014817.D
Acq: 05 Feb 2020 13:12

Tgt Ion: 50 Resp: 1456
Ion Ratio Lower Upper
50 100
52 29.7 24.3 36.5



Abundance Ion 50.00 (49.70 to 50.70): VX0
Ion 52.00 (51.70 to 52.70): VX0





#6

Chloroethane

Concen: 0.236 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX014817.D

Acq: 05 Feb 2020 13:12

Instrument :

MSVOA_X

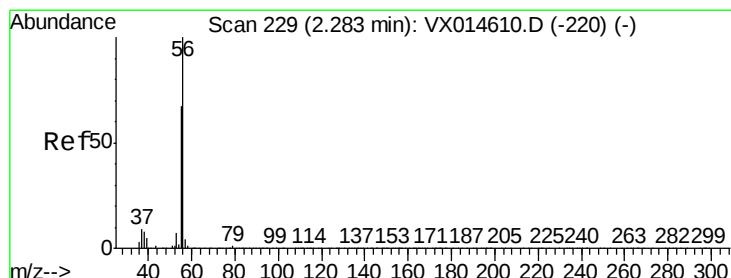
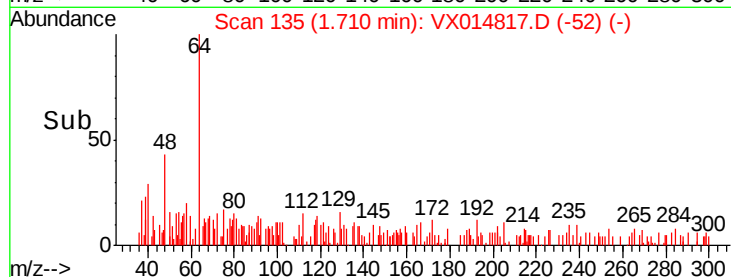
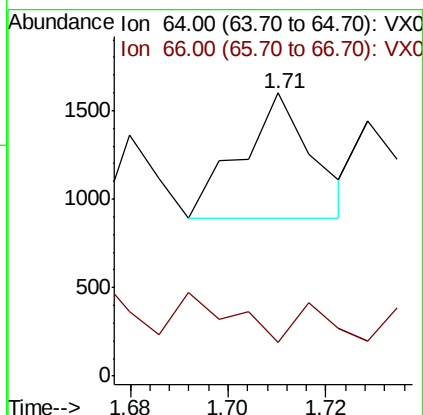
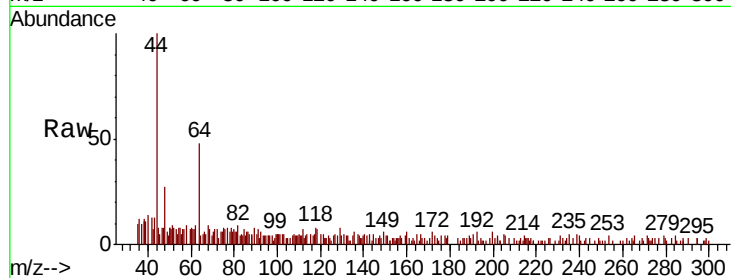
ClientSampled :

Tot Ion: 64 Resp: 714

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#13

Acrolein

Concen: 0.497 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX014817.D

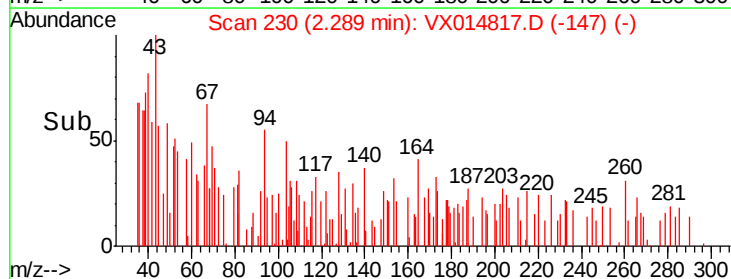
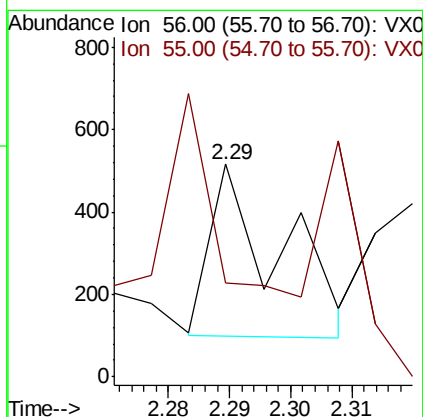
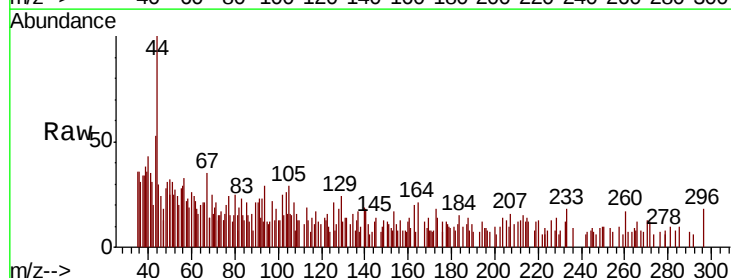
Acq: 05 Feb 2020 13:12

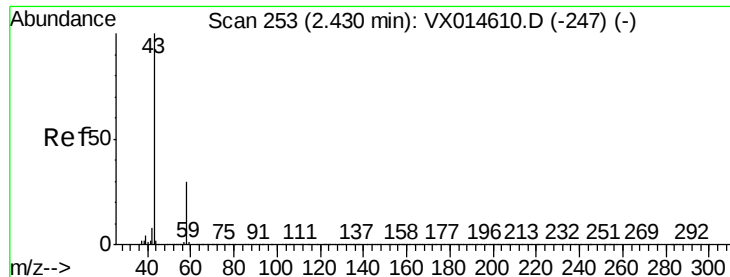
Tgt Ion: 56 Resp: 330

Ion Ratio Lower Upper

56 100

55 67.3 54.9 82.3

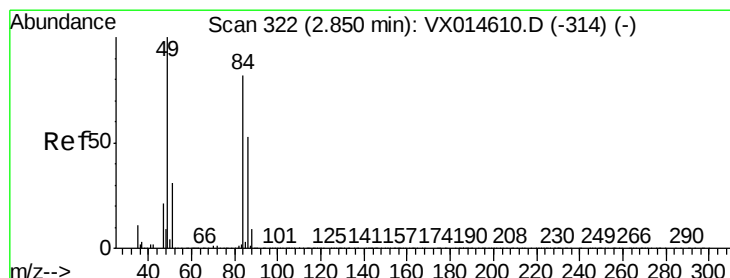
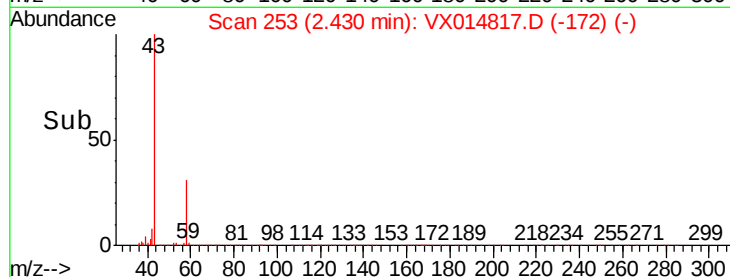
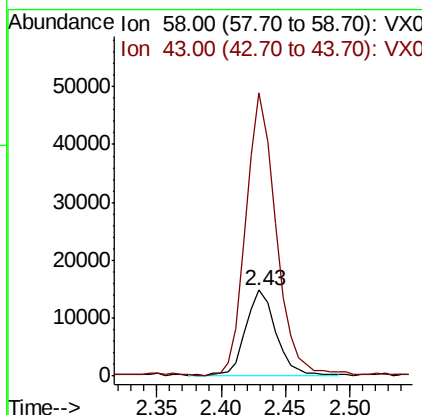
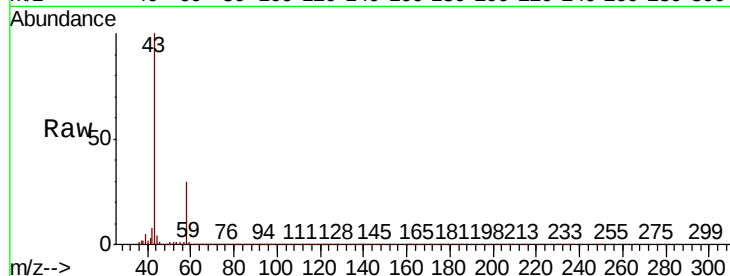




#15
Acetone
Concen: 34.175 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014817.D
Acq: 05 Feb 2020 13:12

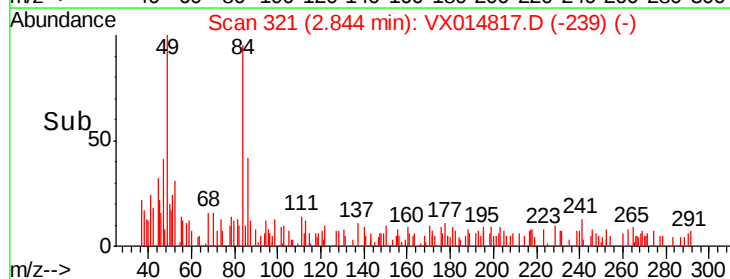
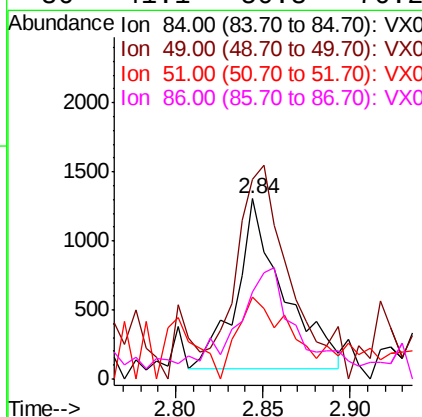
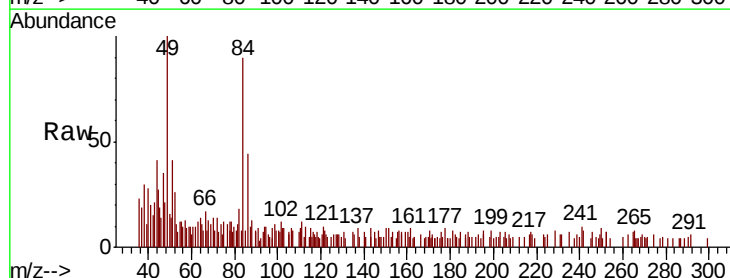
Instrument :
MSVOA_X
ClientSampled :

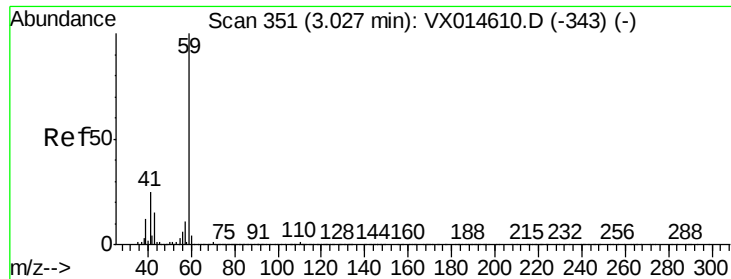
Tot Ion: 58 Resp: 24786
Ion Ratio Lower Upper
58 100
43 327.2 236.3 354.5



#18
Methylene Chloride
Concen: 0.565 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX014817.D
Acq: 05 Feb 2020 13:12

Tgt Ion: 84 Resp: 2315
Ion Ratio Lower Upper
84 100
49 102.2 102.2 153.2
51 37.7 31.4 47.0
86 41.1 50.8 76.2#



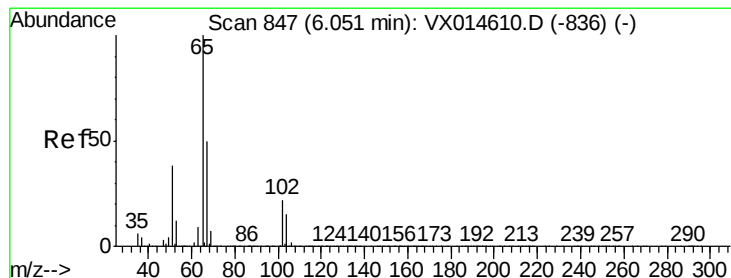
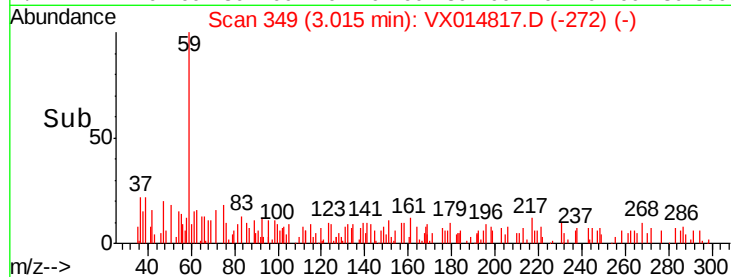
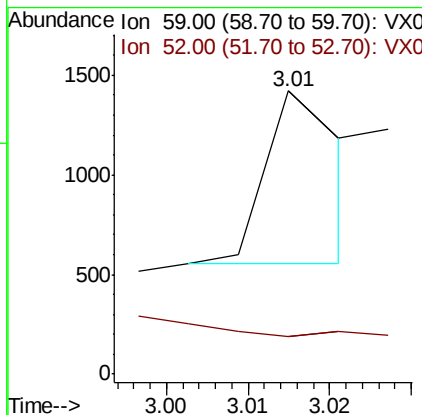
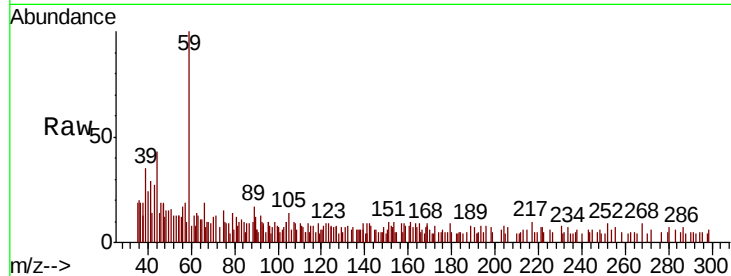


#23

tert-Butyl Alcohol
 Concen: 0.628 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.03 min
 Lab File: VX014817.D
 Acq: 05 Feb 2020 13:12

Instrument :
 MSVOA_X
 ClientSampleId :

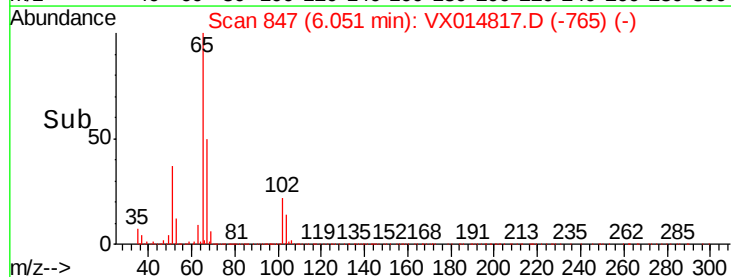
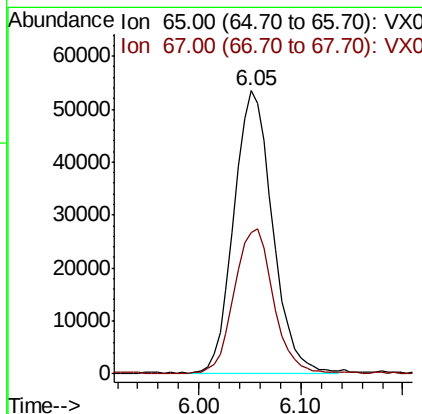
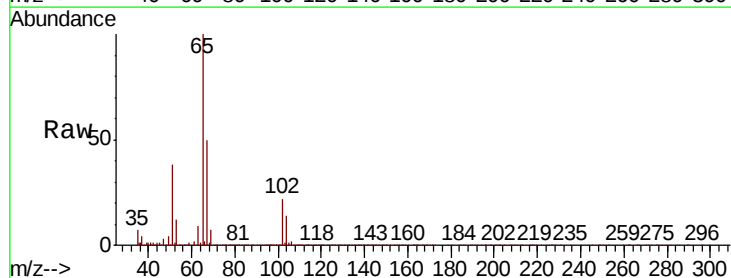
Tot Ion: 59 Resp: 562
 Ion Ratio Lower Upper
 59 100
 52 8.4 0.2 0.2#

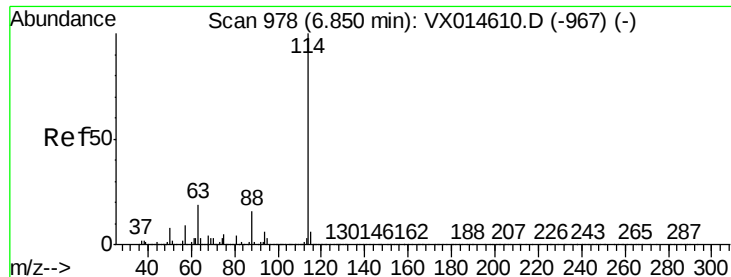


#27

1,2-Dichloroethane-d4
 Concen: 31.528 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014817.D
 Acq: 05 Feb 2020 13:12

Tgt Ion: 65 Resp: 140107
 Ion Ratio Lower Upper
 65 100
 67 51.4 43.1 64.7

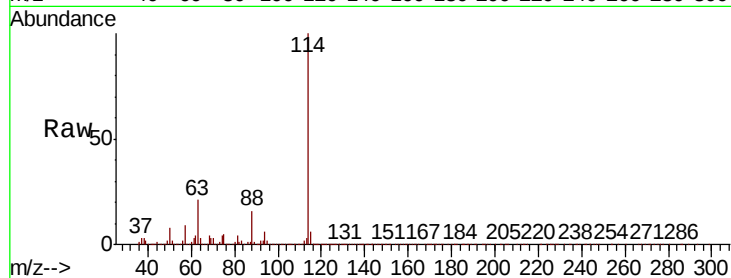




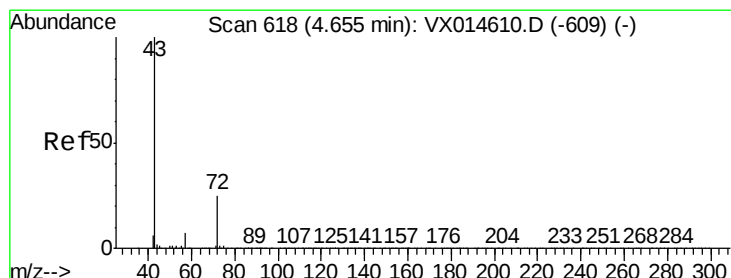
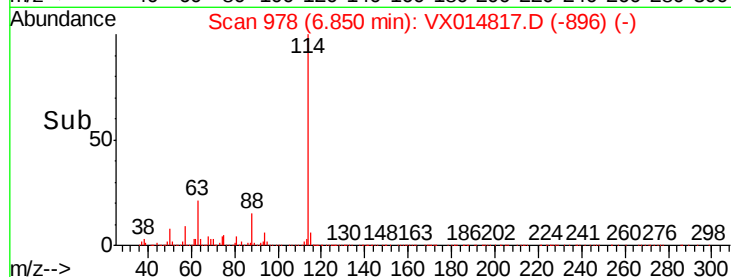
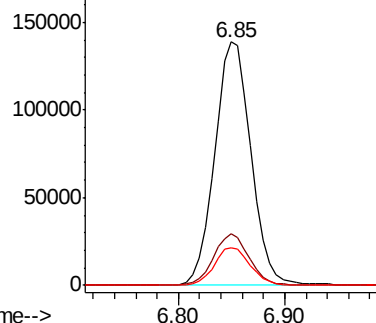
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014817.D
 Acq: 05 Feb 2020 13:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	114	Resp:	330191
Ion	Ratio	Lower	Upper
114	100		
63	20.8	16.1	24.1
88	15.4	12.5	18.7

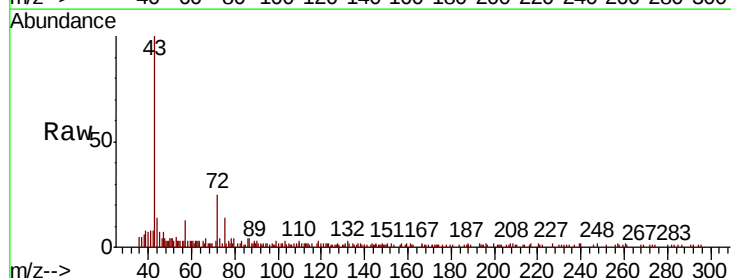


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 88.00 (87.70 to 88.70): VX0

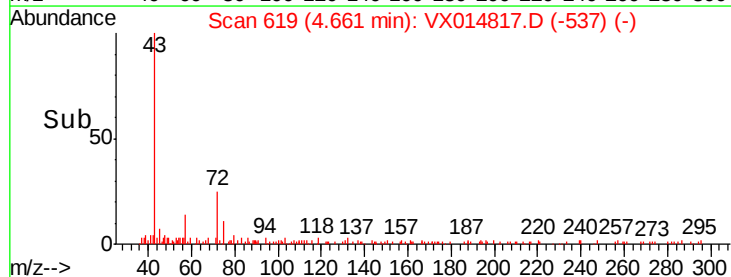
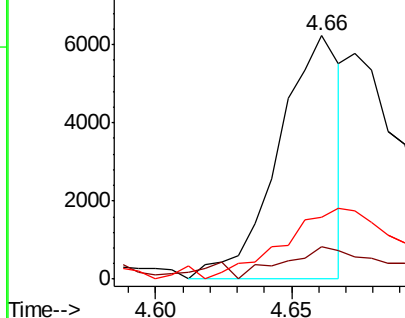


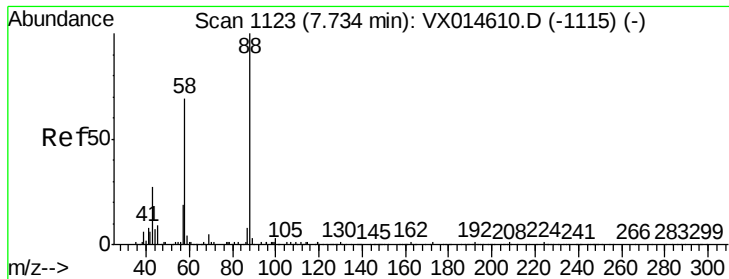
#30
 2-Butanone
 Concen: 3.234 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX014817.D
 Acq: 05 Feb 2020 13:12

Tgt Ion:	43	Resp:	9922
Ion	Ratio	Lower	Upper
43	100		
57	20.4	6.2	9.2#
72	56.0	20.3	30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0





#45

1,4-Dioxane

Concen: 1.361 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014817.D

Acq: 05 Feb 2020 13:12

Instrument :
MSVOA_X
ClientSampleId :

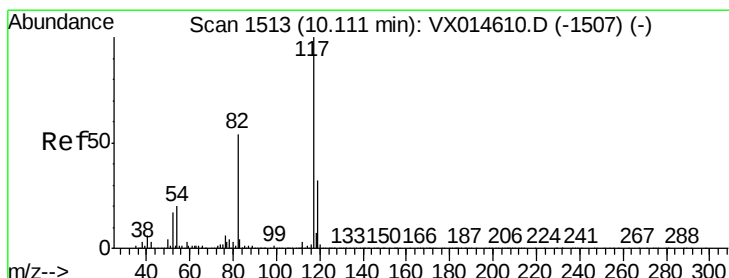
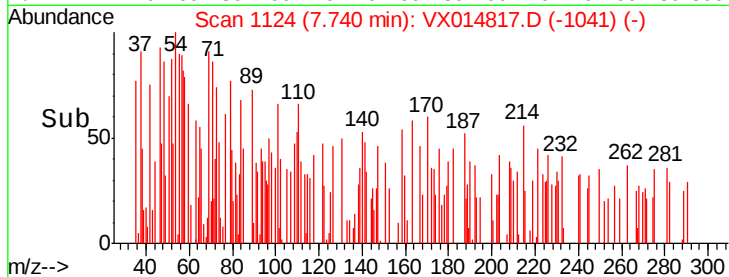
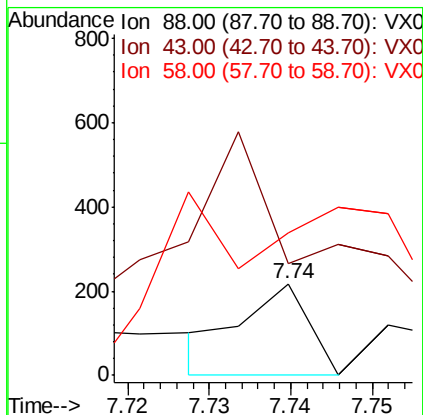
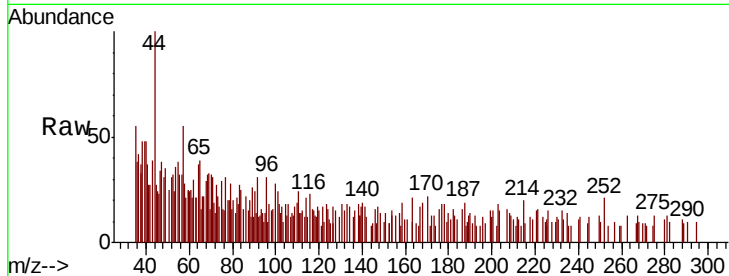
Tot Ion: 88 Resp: 122

Ion Ratio Lower Upper

88 100

43 430.3 25.4 38.2#

58 254.1 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: VX014817.D

Acq: 05 Feb 2020 13:12

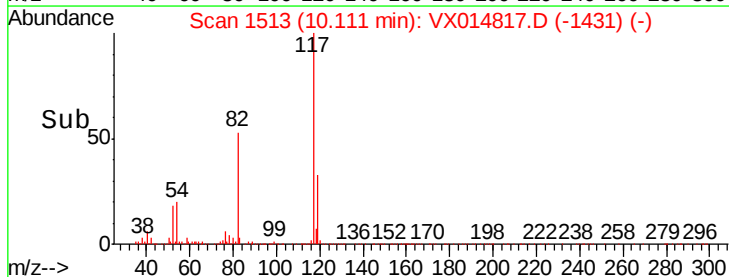
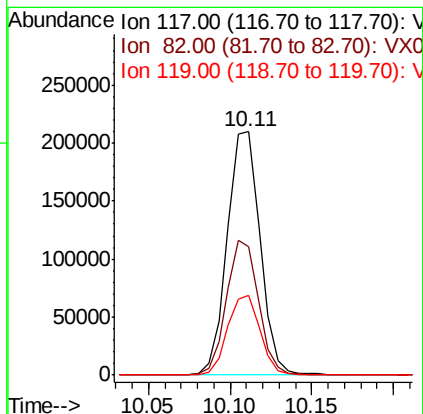
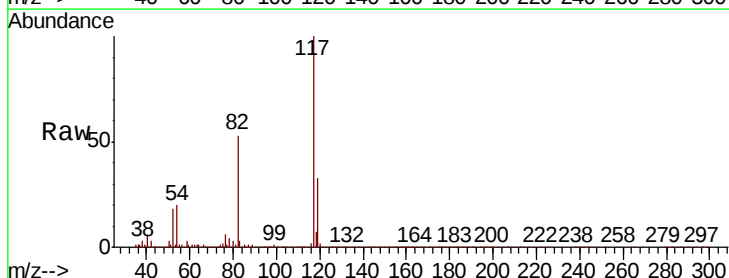
Tgt Ion: 117 Resp: 293434

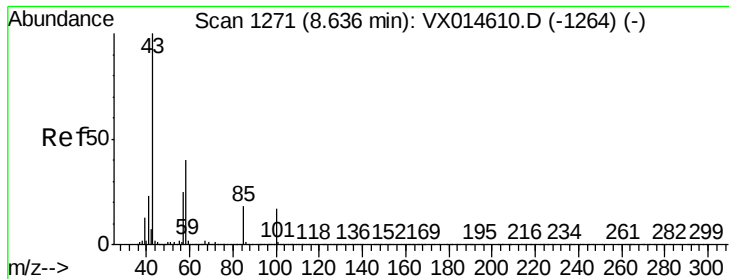
Ion Ratio Lower Upper

117 100

82 54.4 43.8 65.6

119 32.6 25.8 38.6

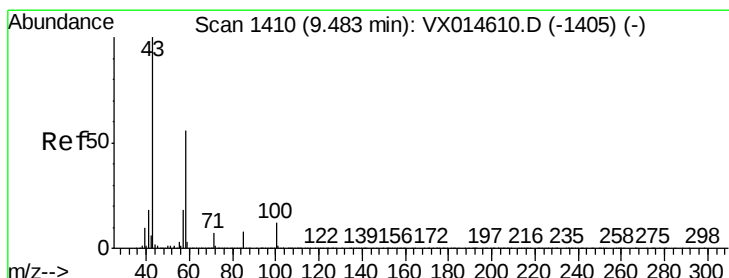
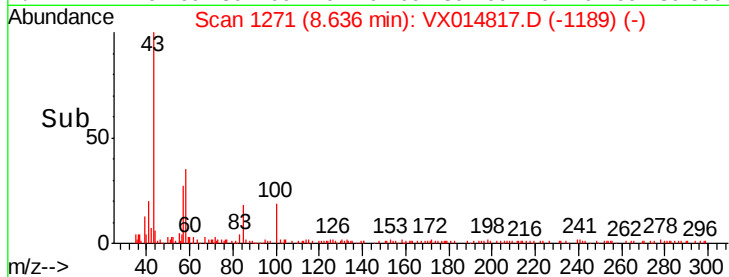
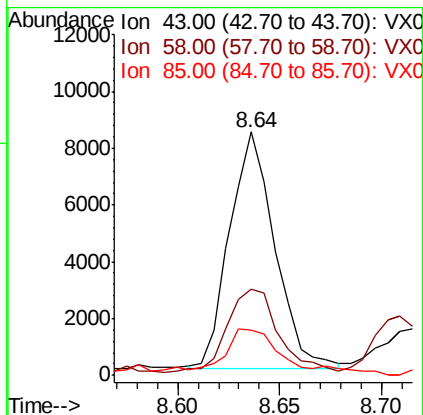
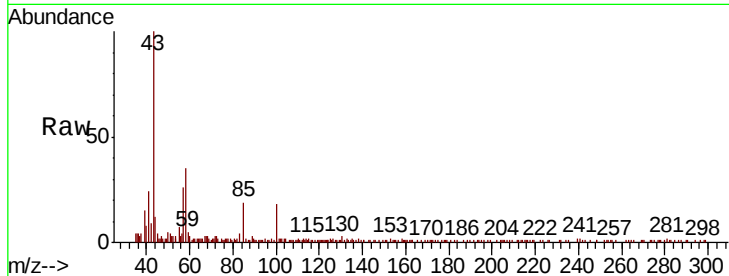




#58
4-Methyl-2-Pentanone
Concen: 2.321 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014817.D
Acq: 05 Feb 2020 13:12

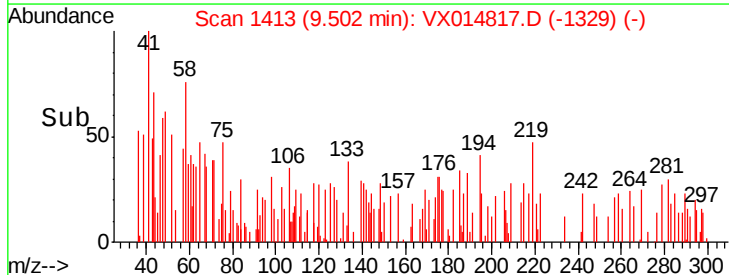
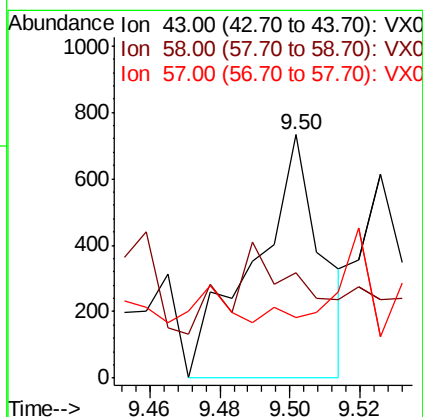
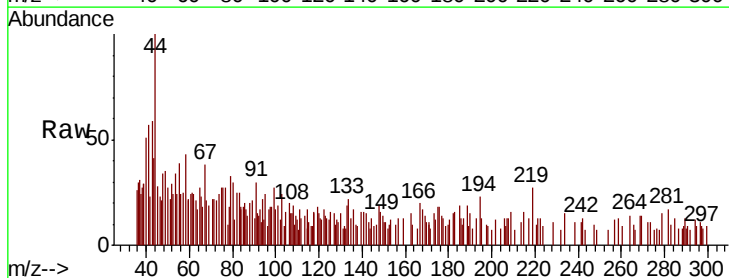
Instrument :
MSVOA_X
ClientSampleId :

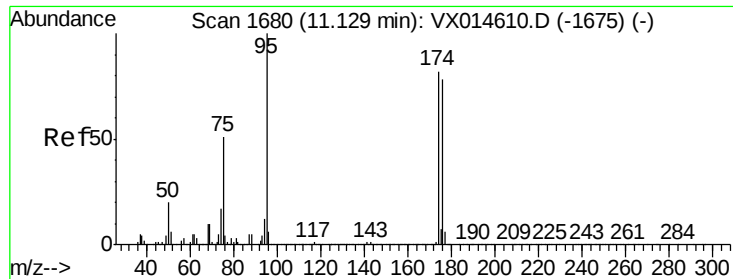
Tot Ion:	43	Resp:	12825
Ion	Ratio	Lower	Upper
43	100		
58	42.3	31.2	46.8
85	19.2	14.2	21.2



#59
2-Hexanone
Concen: 0.230 ug/l
RT: 9.50 min Scan# 1413
Delta R.T. 0.01 min
Lab File: VX014817.D
Acq: 05 Feb 2020 13:12

Tgt Ion:	43	Resp:	985
Ion	Ratio	Lower	Upper
43	100		
58	38.3	43.8	65.6#
57	2.8	15.4	23.0#

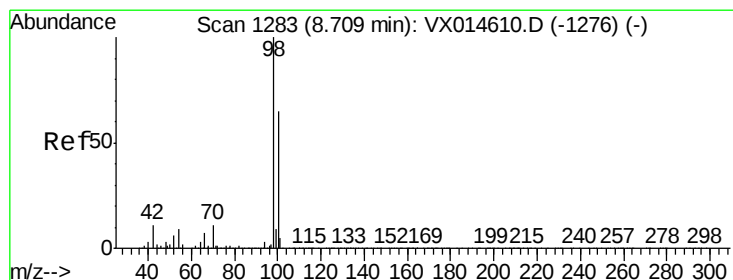
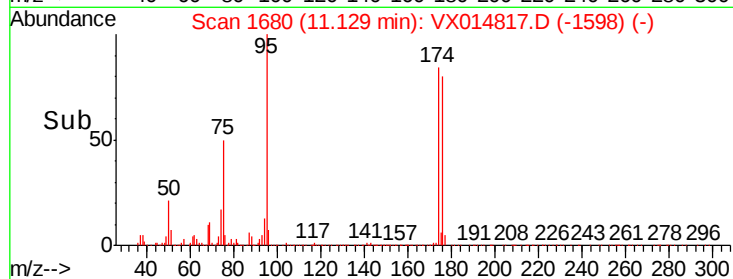
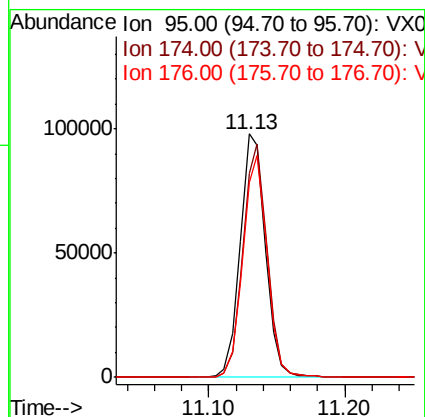
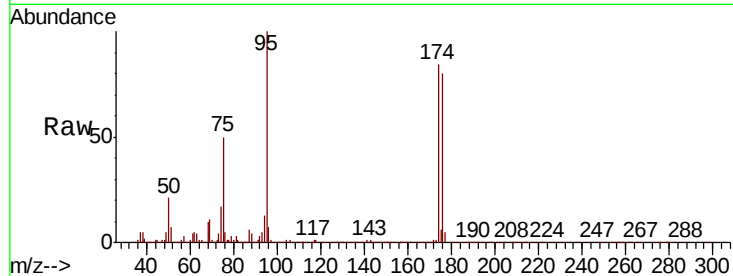




#60
4-Bromofluorobenzene
Concen: 26.777 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014817.D
Acq: 05 Feb 2020 13:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	92.3	70.2	105.2
176	88.5	68.3	102.5



#63
Toluene-d8
Concen: 29.980 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014817.D
Acq: 05 Feb 2020 13:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2

