

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
 Data File : VX015617.D
 Acq On : 10 Apr 2020 13:40
 Operator : JC/SP
 Sample : L2210-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 11 00:20:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	197354	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	1091890	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	1001879	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	476808	30.92	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.07%
60) 4-Bromofluorobenzene	11.12	95	497214	29.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.67%
63) Toluene-d8	8.70	98	1281031	30.10	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.33%

Target Compounds

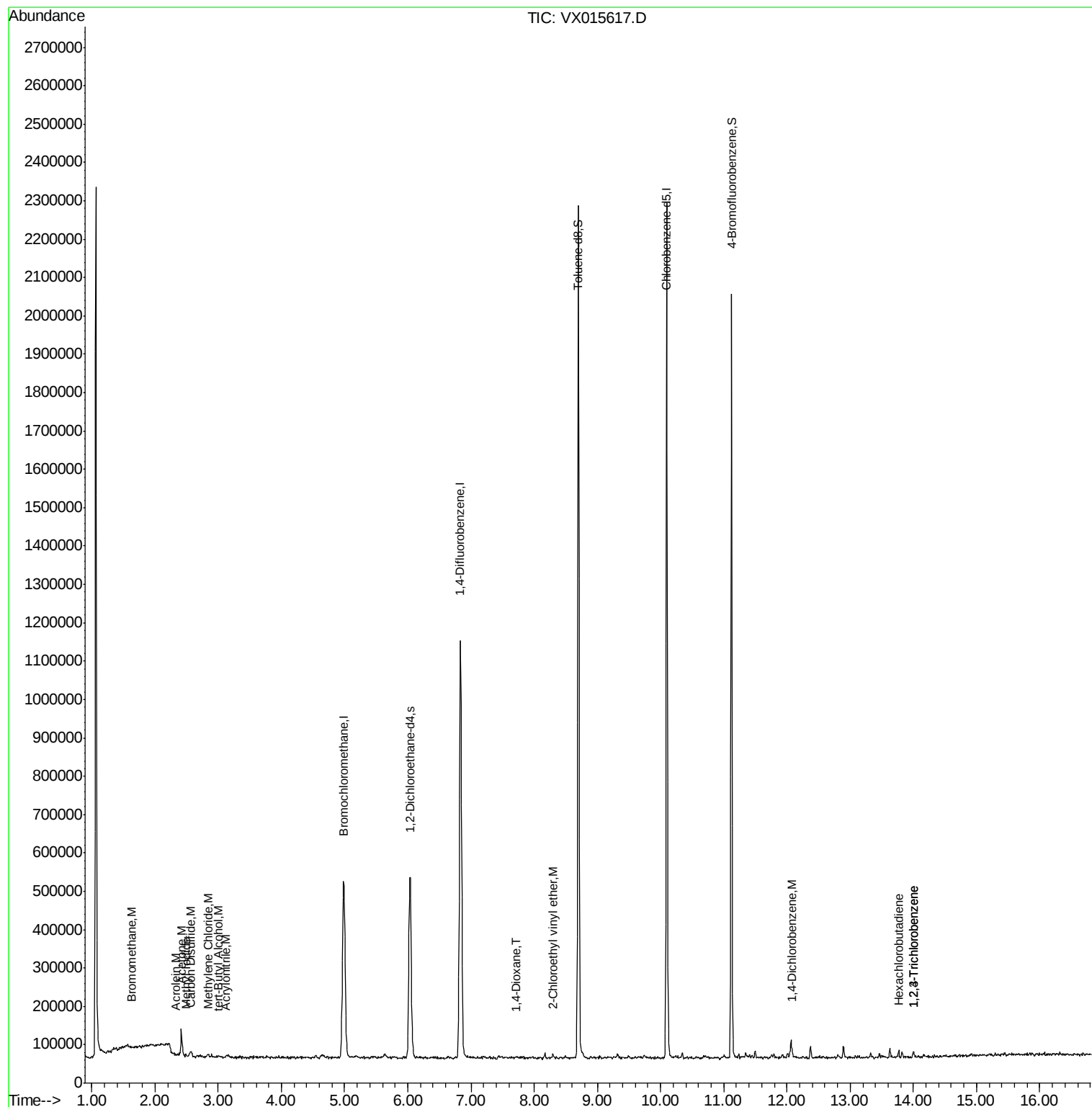
					Ovalue
5) Bromomethane	1.64	94	2054	0.345 ug/l	91
11) Methyl Iodide	2.50	142	2886	0.202 ug/l #	75
13) Acrolein	2.33	56	431	0.211 ug/l	86
14) Acrylonitrile	3.12	53	1620	0.241 ug/l	90
15) Acetone	2.42	58	21362	12.479 ug/l	74
16) Carbon Disulfide	2.55	76	10284	0.327 ug/l #	81
18) Methylene Chloride	2.84	84	4082	0.338 ug/l #	79
23) tert-Butyl Alcohol	3.01	59	3403	1.028 ug/l #	86
45) 1,4-Dioxane	7.72	88	665	2.097 ug/l #	57
55) 2-Chloroethyl vinyl ether	8.29	63	2983	0.303 ug/l #	85
84) 1,4-Dichlorobenzene	12.08	146	5506	0.201 ug/l	83
89) 1,2,4-Trichlorobenzene	14.01	180	4564	0.212 ug/l	89
90) Hexachlorobutadiene	13.77	225	3323	0.292 ug/l	88
92) 1,2,3-Trichlorobenzene	14.01	180	4759	0.222 ug/l	93

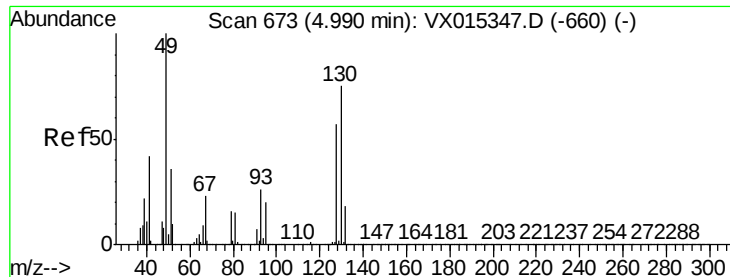
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041020\
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 11 00:20:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 26 02:31:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 672

Delta R.T. -0.01 min

Lab File: VX015617.D

Acq: 10 Apr 2020 13:40

Instrument :
MSVOA_X
ClientSampled :

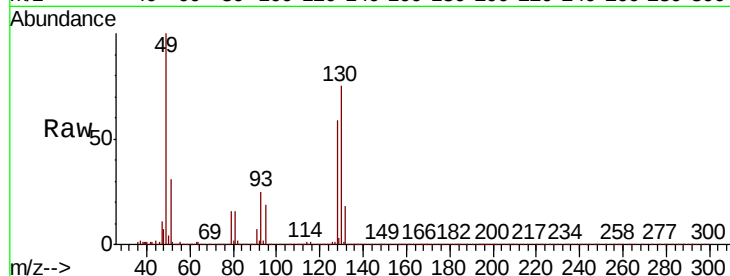
Tot Ion:128 Resp: 197354

Ion Ratio Lower Upper

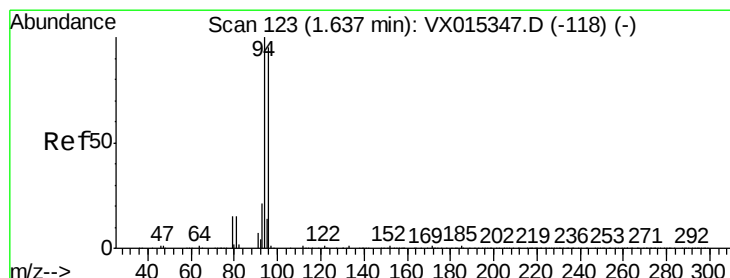
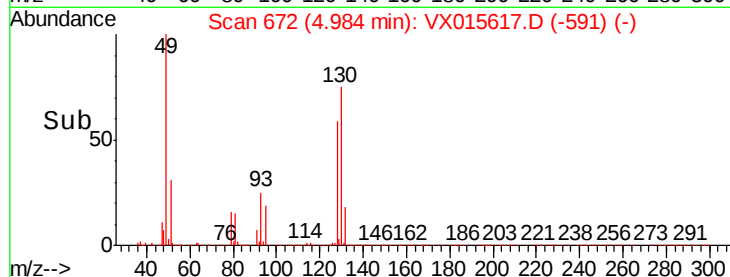
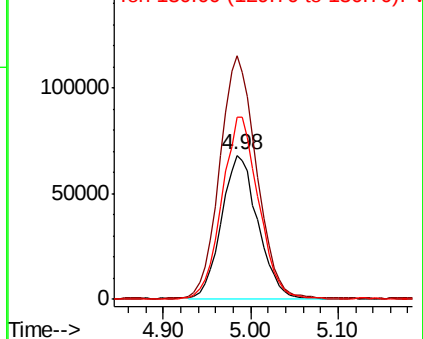
128 100

49 169.1 0.0 428.0

130 127.3 0.0 324.5



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: 0.345 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX015617.D

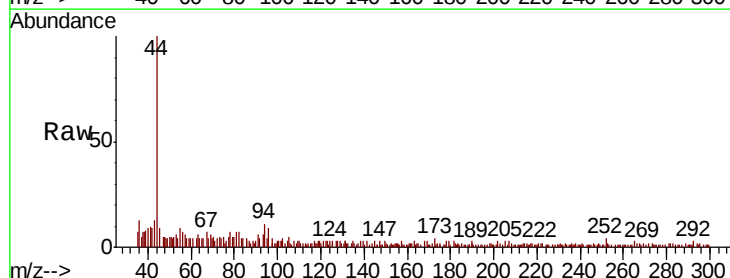
Acq: 10 Apr 2020 13:40

Tgt Ion: 94 Resp: 2054

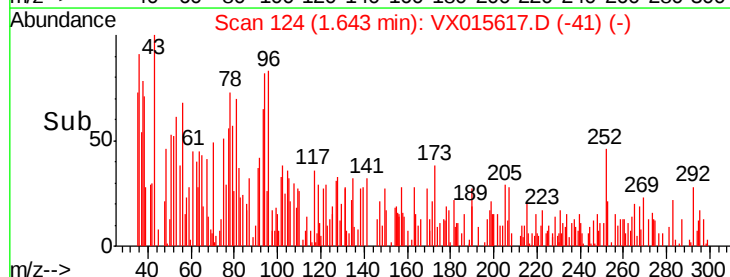
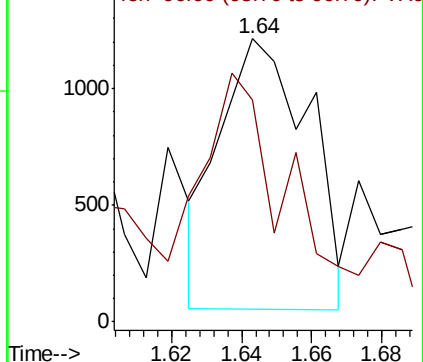
Ion Ratio Lower Upper

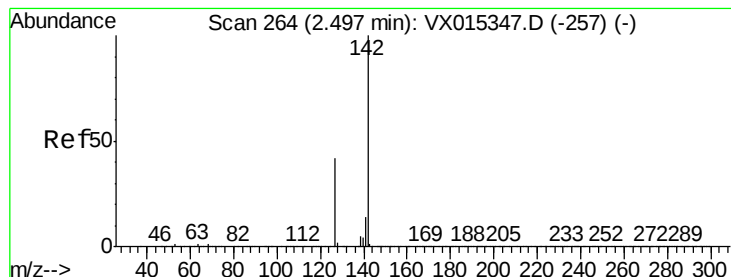
94 100

96 103.5 76.1 114.1



Abundance Ion 94.00 (93.70 to 94.70): VX0
Ion 96.00 (95.70 to 96.70): VX0





#11

Methyl Iodide

Concen: 0.202 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX015617.D

Acq: 10 Apr 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

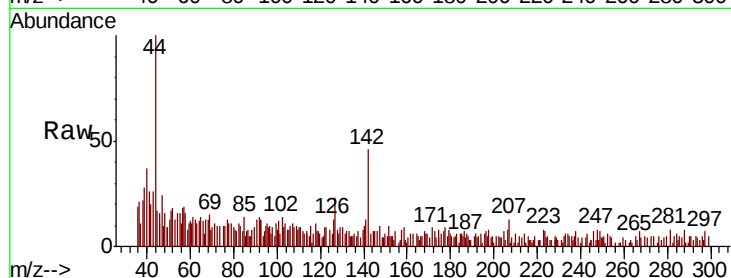
Tot Ion:142 Resp: 2886

Ion Ratio Lower Upper

142 100

127 26.2 21.0 63.0

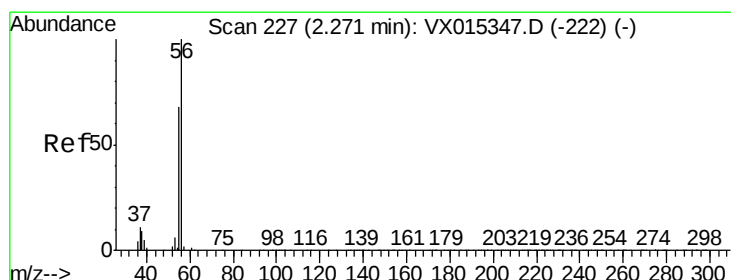
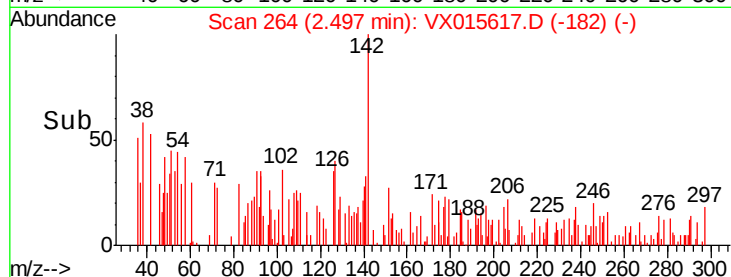
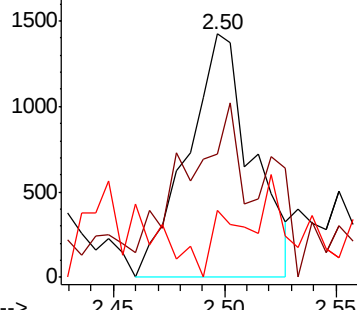
141 4.4 6.9 20.7#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#13

Acrolein

Concen: 0.211 ug/l

RT: 2.33 min Scan# 237

Delta R.T. 0.06 min

Lab File: VX015617.D

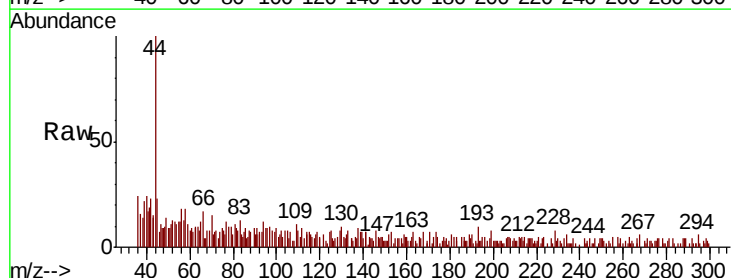
Acq: 10 Apr 2020 13:40

Tgt Ion: 56 Resp: 431

Ion Ratio Lower Upper

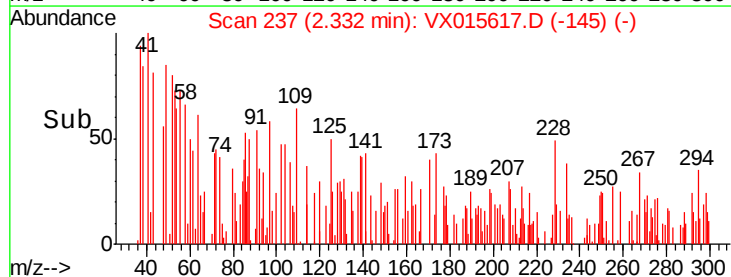
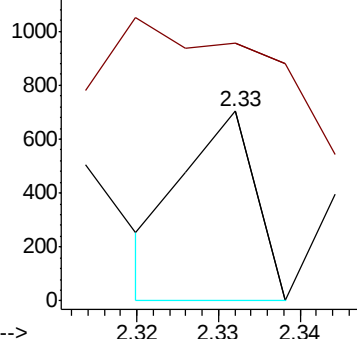
56 100

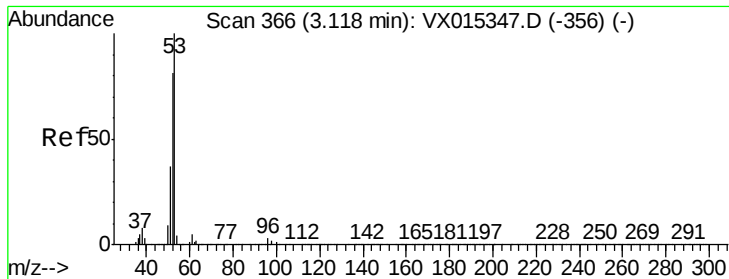
55 78.0 53.5 80.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#14

Acrylonitrile

Concen: 0.241 ug/l

RT: 3.12 min Scan# 367

Delta R.T. 0.01 min

Lab File: VX015617.D

Acq: 10 Apr 2020 13:40

Instrument :

MSVOA_X

ClientSampleId :

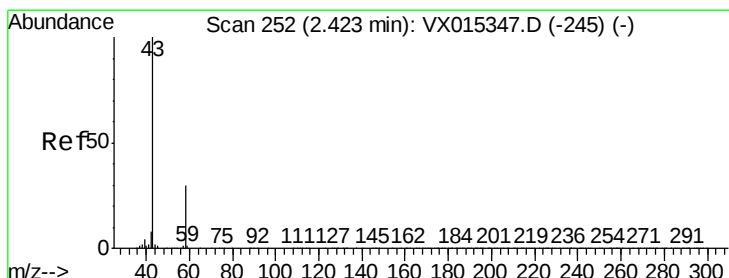
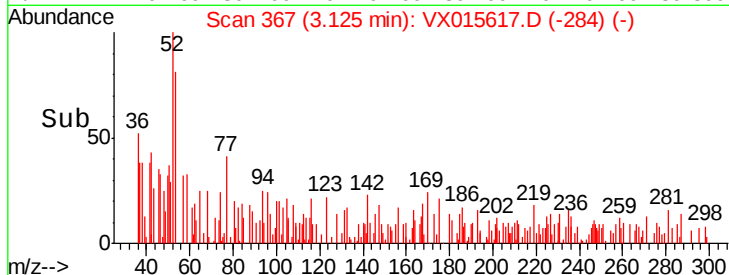
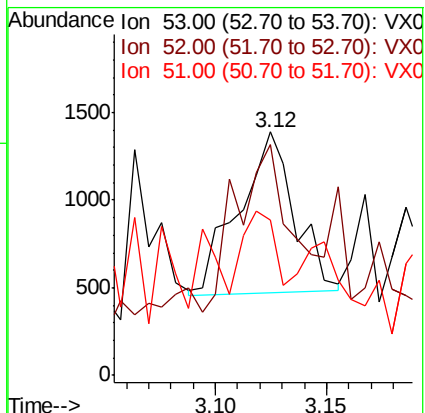
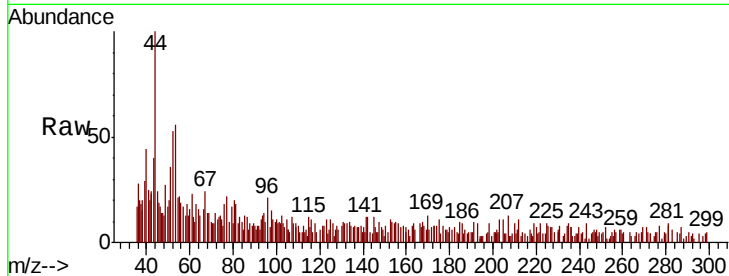
Tot Ion: 53 Resp: 1620

Ion Ratio Lower Upper

53 100

52 94.6 41.0 123.2

51 37.2 18.4 55.4



#15

Acetone

Concen: 12.479 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015617.D

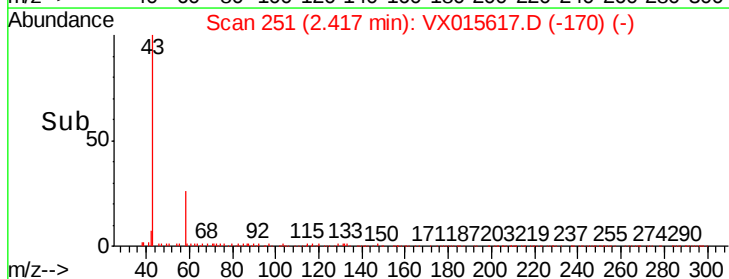
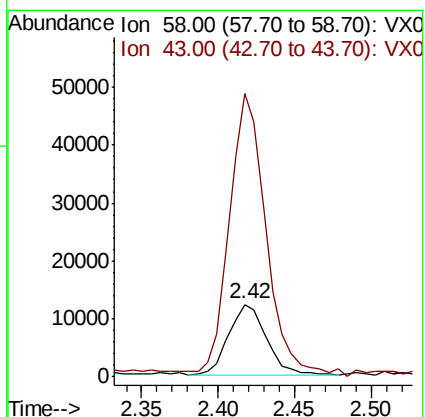
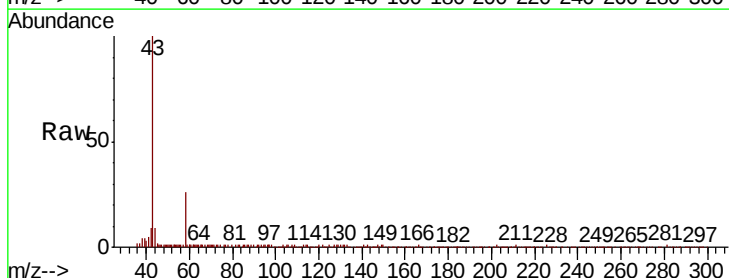
Acq: 10 Apr 2020 13:40

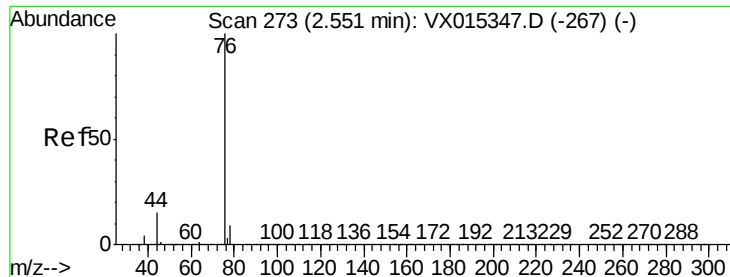
Tgt Ion: 58 Resp: 21362

Ion Ratio Lower Upper

58 100

43 390.7 267.8 401.8

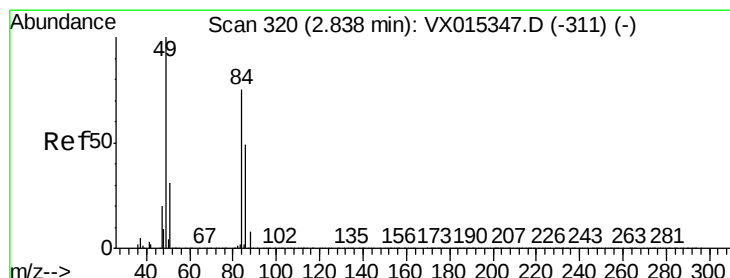
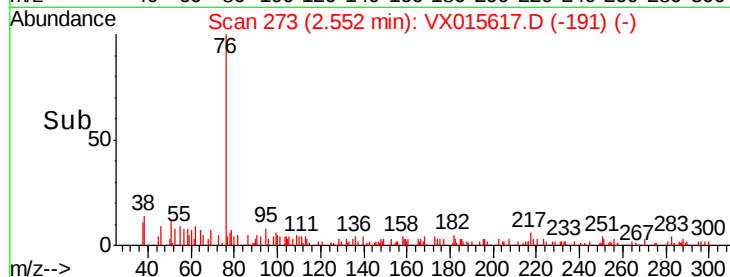
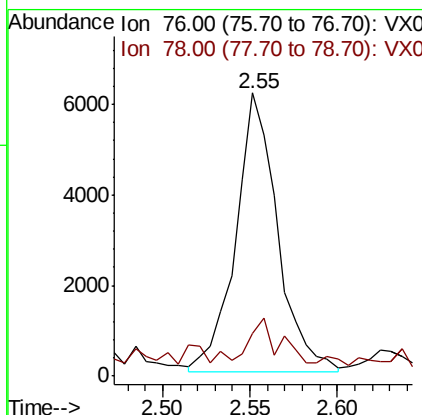
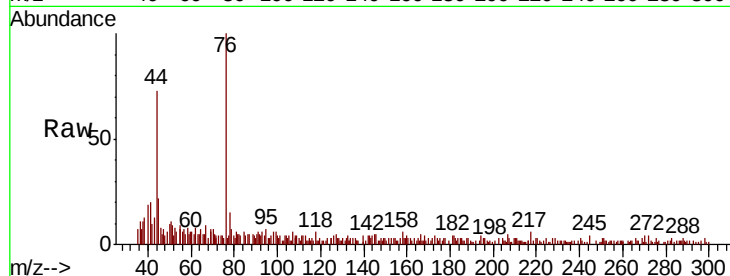




#16
Carbon Disulfide
Concen: 0.327 ug/l
RT: 2.55 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015617.D
Acq: 10 Apr 2020 13:40

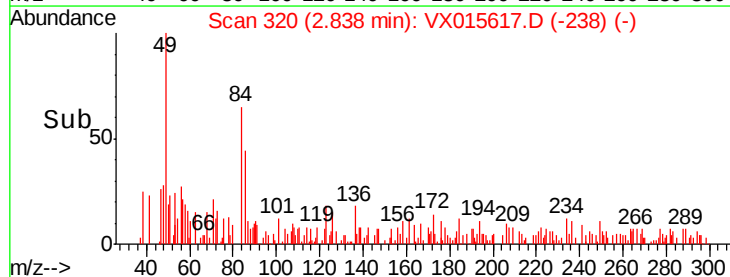
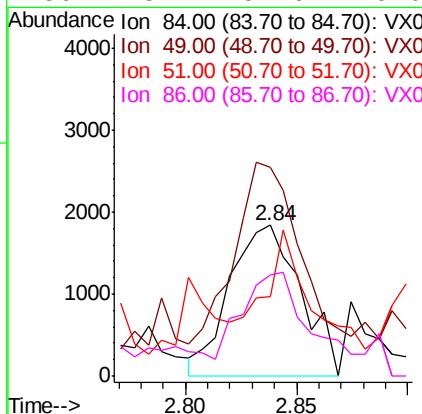
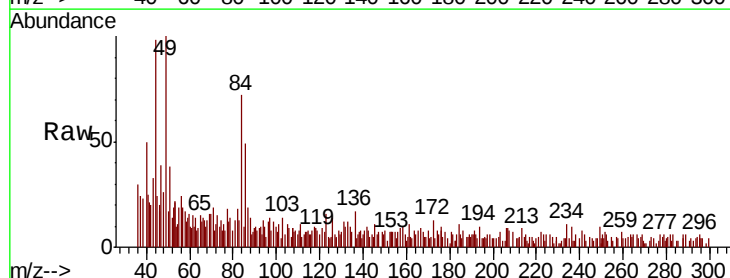
Instrument :
MSVOA_X
ClientSampleId :

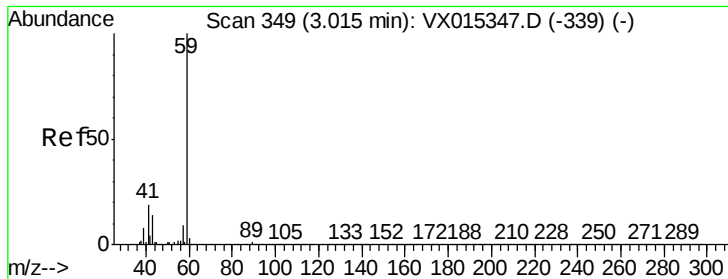
Tot Ion: 76 Resp: 10284
Ion Ratio Lower Upper
76 100
78 16.4 7.4 11.2#



#18
Methylene Chloride
Concen: 0.338 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.00 min
Lab File: VX015617.D
Acq: 10 Apr 2020 13:40

Tgt Ion: 84 Resp: 4082
Ion Ratio Lower Upper
84 100
49 117.6 107.0 160.4
51 19.4 33.4 50.0#
86 43.7 52.6 79.0#



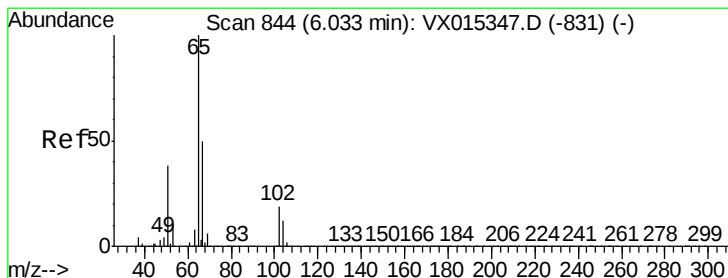
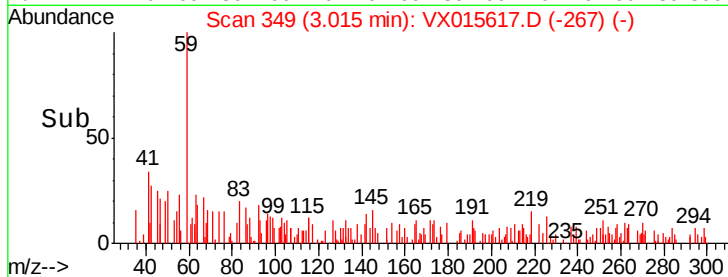
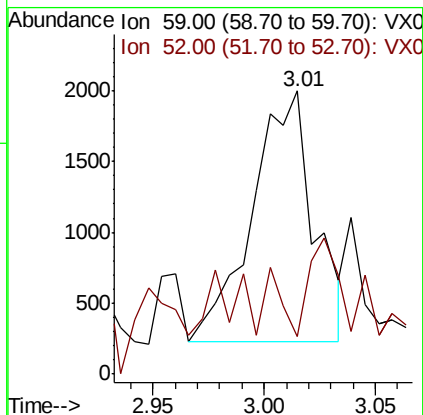
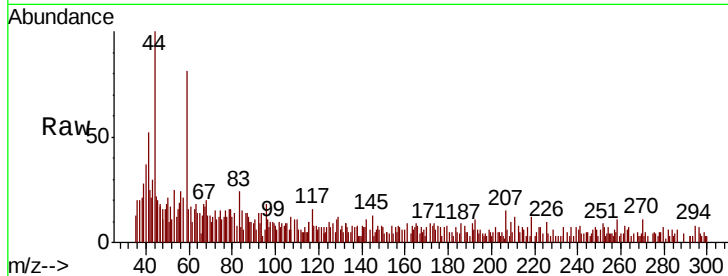


#23

tert-Butyl Alcohol
 Concen: 1.028 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VX015617.D
 Acq: 10 Apr 2020 13:40

Instrument :
 MSVOA_X
 ClientSampled :

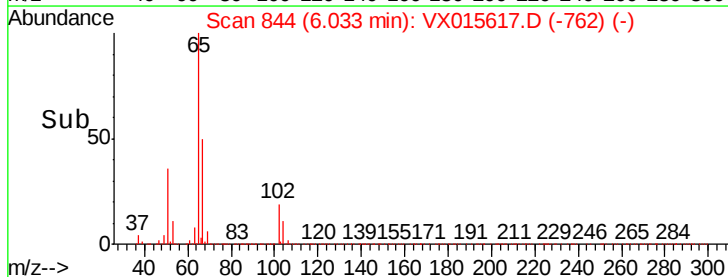
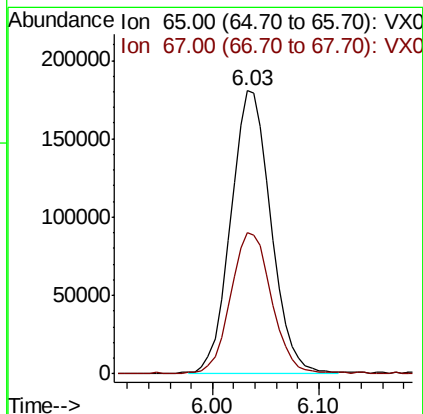
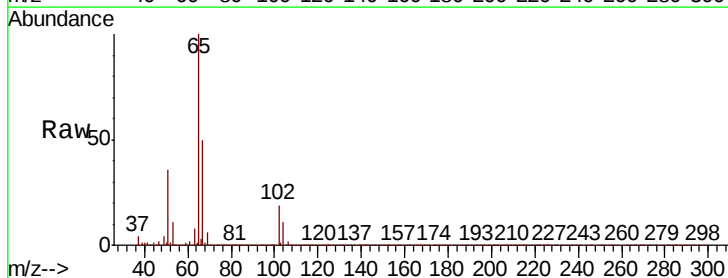
Tot Ion: 59 Resp: 3403
 Ion Ratio Lower Upper
 59 100
 52 18.3 0.2 0.2#

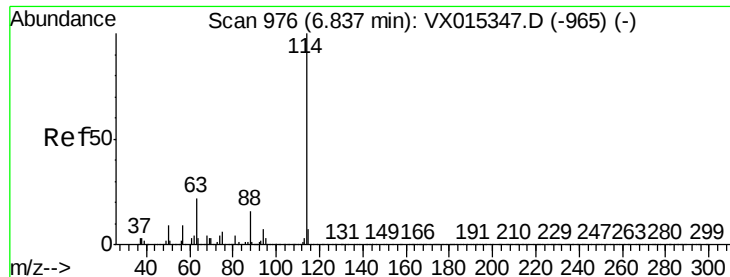


#27

1,2-Dichloroethane-d4
 Concen: 30.918 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VX015617.D
 Acq: 10 Apr 2020 13:40

Tgt Ion: 65 Resp: 476808
 Ion Ratio Lower Upper
 65 100
 67 50.5 40.9 61.3

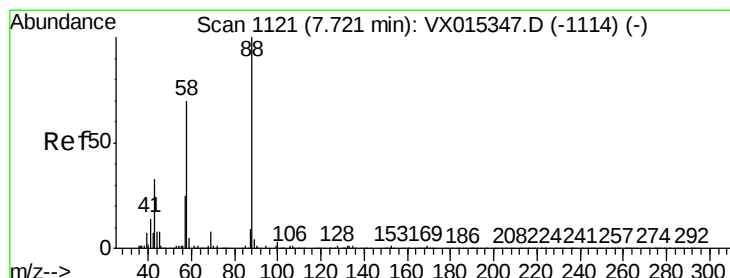
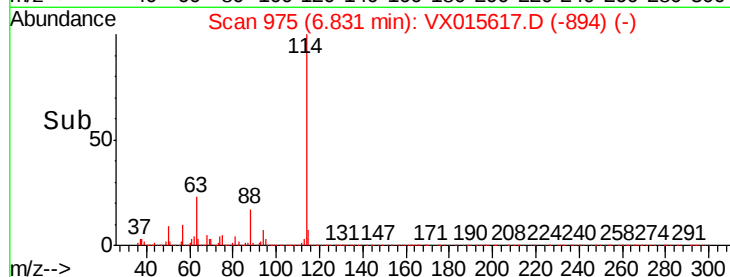
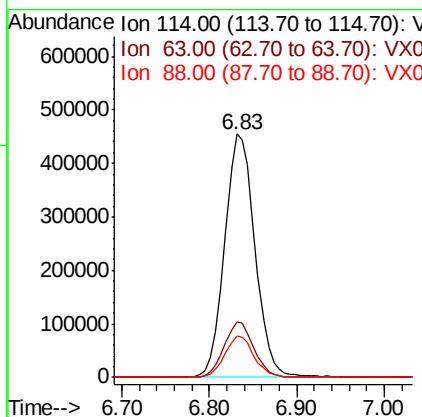
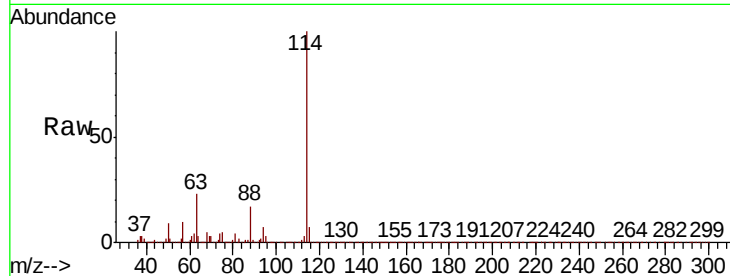




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015617.D
 Acq: 10 Apr 2020 13:40

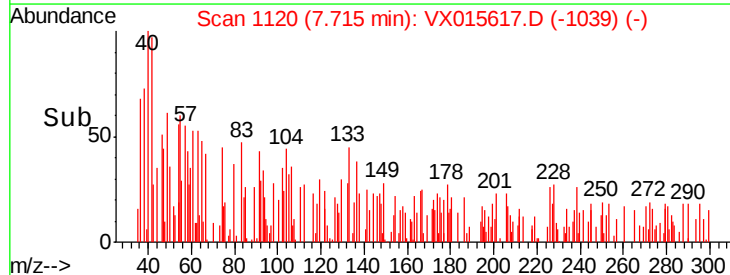
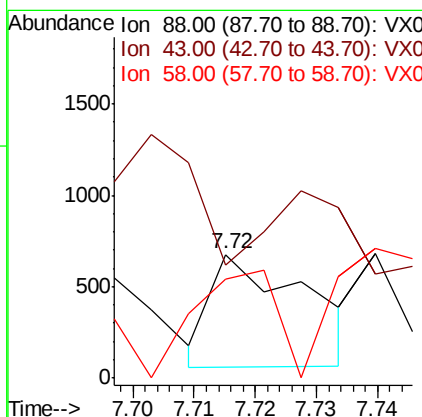
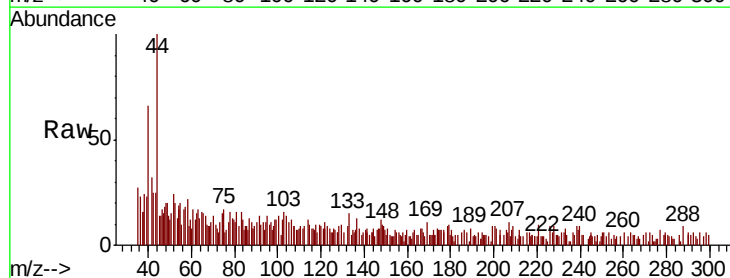
Instrument :
 MSVOA_X
 ClientSampleId :

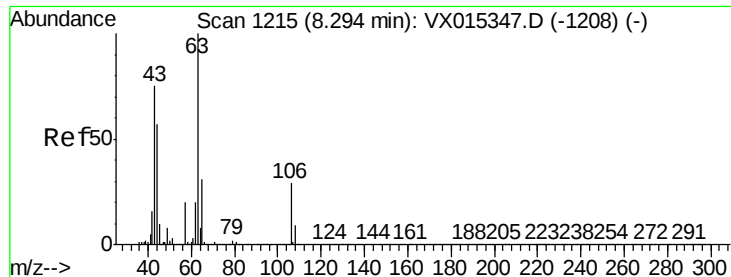
Tot Ion:114 Resp: 1091890
 Ion Ratio Lower Upper
 114 100
 63 22.4 17.4 26.2
 88 16.2 12.9 19.3



#45
 1,4-Dioxane
 Concen: 2.097 ug/l
 RT: 7.72 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: VX015617.D
 Acq: 10 Apr 2020 13:40

Tgt Ion: 88 Resp: 665
 Ion Ratio Lower Upper
 88 100
 43 105.0 32.1 48.1#
 58 82.0 59.4 89.0

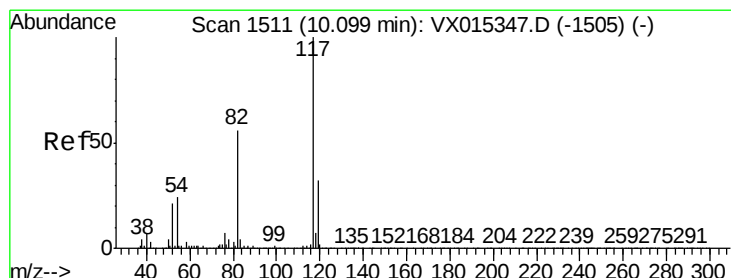
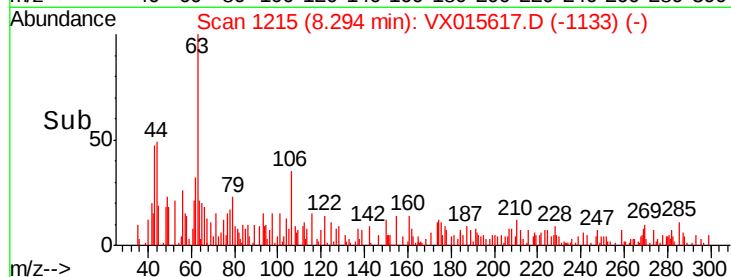
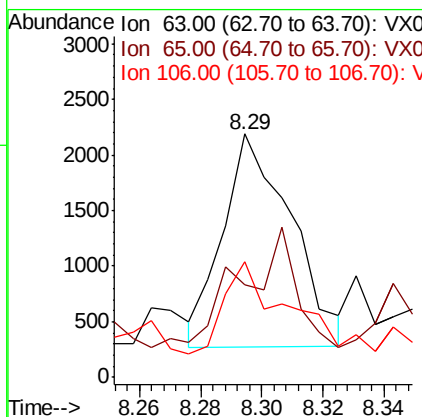
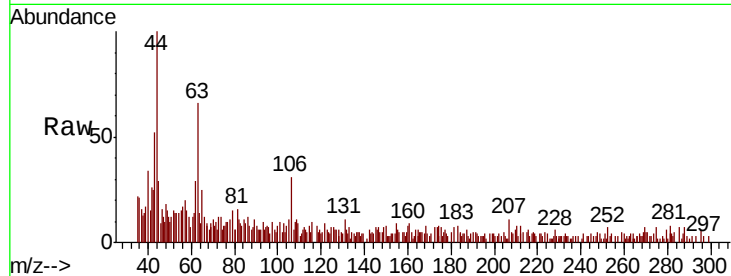




#55
2-Chloroethyl vinyl ether
Concen: 0.303 ug/l
RT: 8.29 min Scan# 1215
Delta R.T. 0.00 min
Lab File: VX015617.D
Acq: 10 Apr 2020 13:40

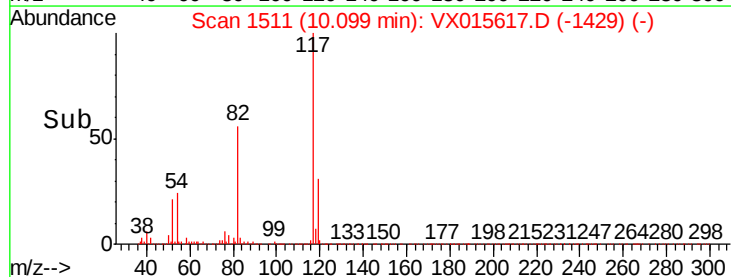
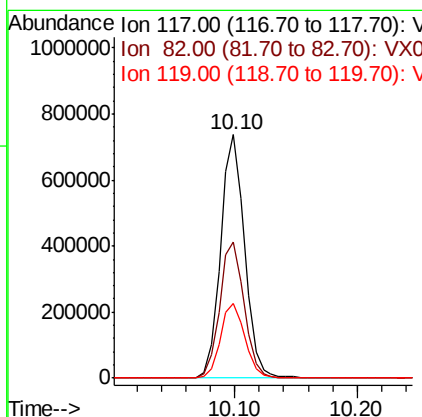
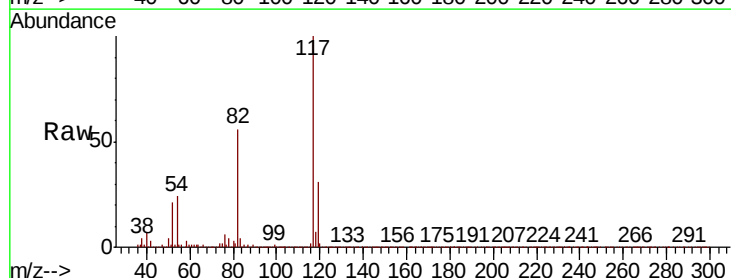
Instrument :
MSVOA_X
ClientSampleId :

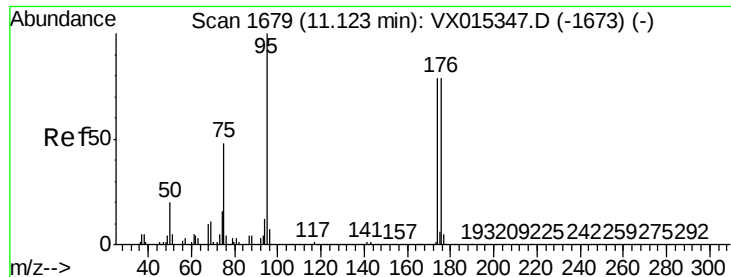
Tot Ion: 63 Resp: 2983
Ion Ratio Lower Upper
63 100
65 22.2 25.5 38.3#
106 22.5 23.1 34.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015617.D
Acq: 10 Apr 2020 13:40

Tgt Ion: 117 Resp: 1001879
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.6
119 31.5 25.5 38.3

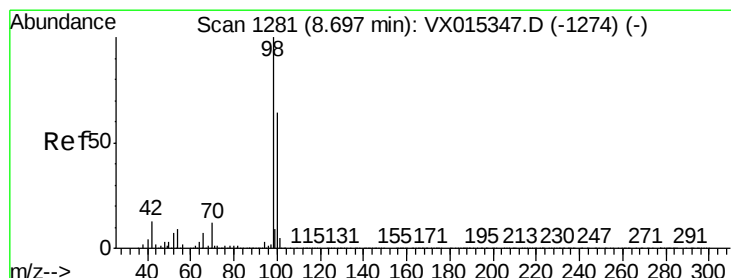
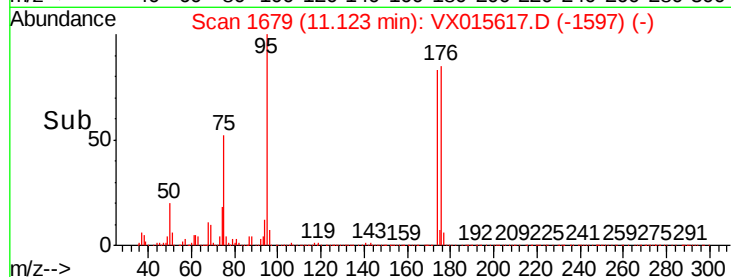
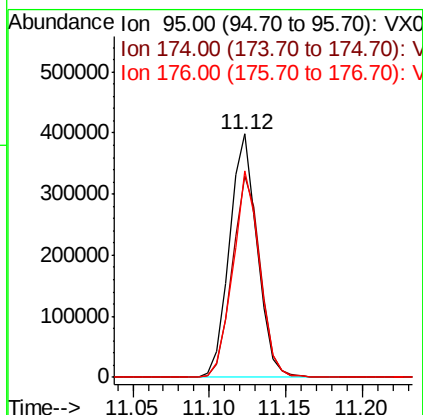
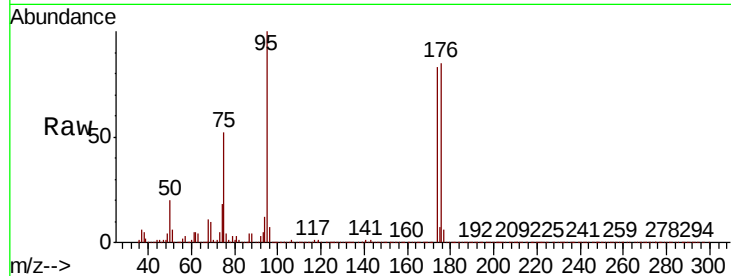




#60
4-Bromofluorobenzene
Concen: 28.999 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015617.D
Acq: 10 Apr 2020 13:40

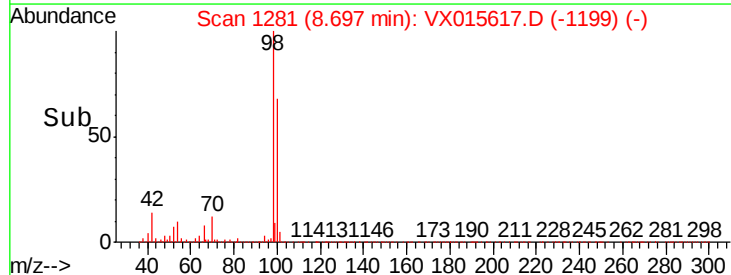
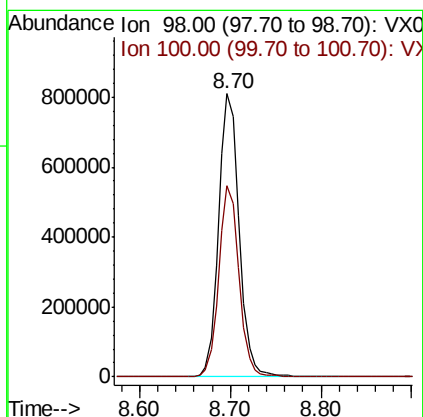
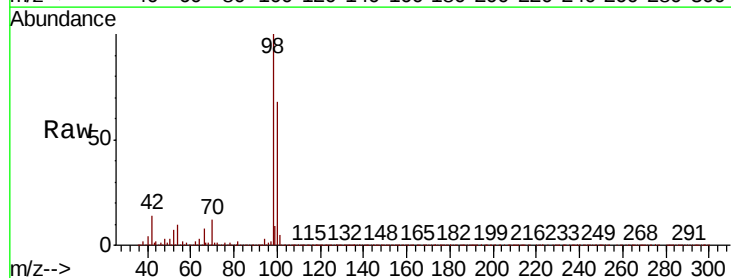
Instrument :
MSVOA_X
ClientSampled :

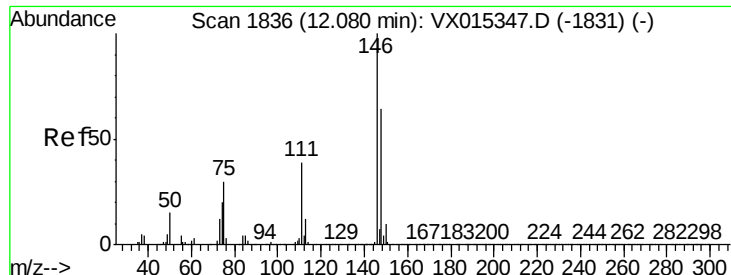
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.2	66.4	99.6
176	82.5	64.1	96.1



#63
Toluene-d8
Concen: 30.095 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015617.D
Acq: 10 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.2	78.2

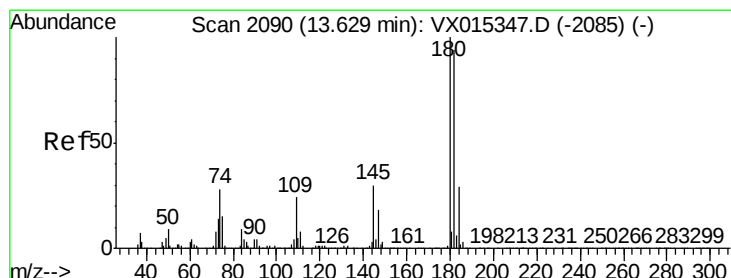
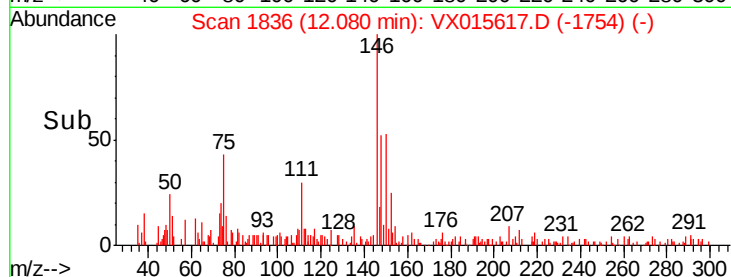
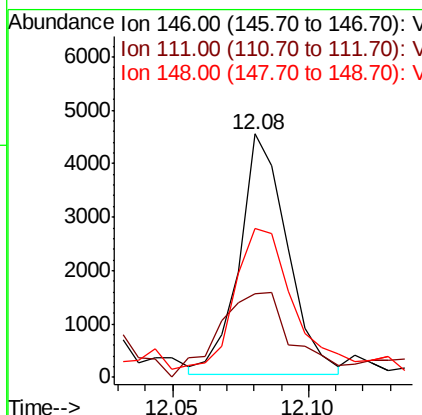
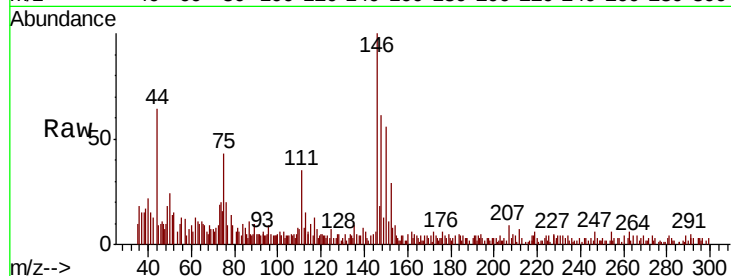




#84
 1,4-Dichlorobenzene
 Concen: 0.201 ug/l
 RT: 12.08 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: VX015617.D
 Acq: 10 Apr 2020 13:40

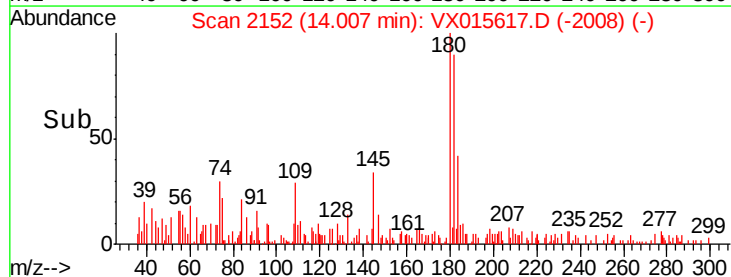
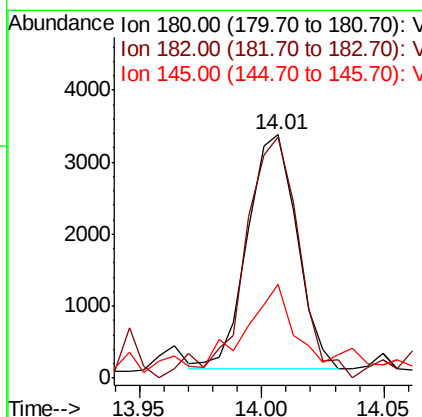
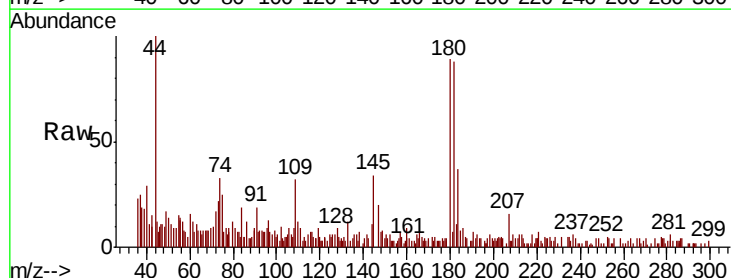
Instrument :
 MSVOA_X
 ClientSampleId :

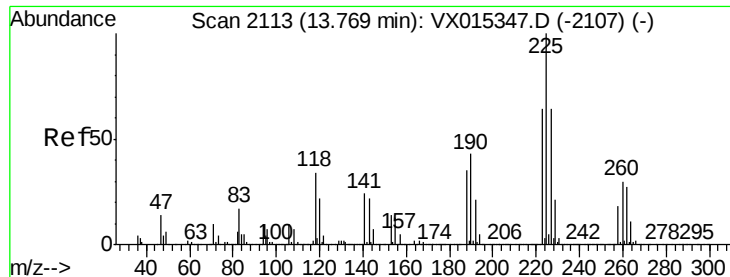
Tot Ion	Ratio	Lower	Upper
146	100		
111	54.4	18.9	56.9
148	71.6	31.4	94.3



#89
 1,2,4-Trichlorobenzene
 Concen: 0.212 ug/l
 RT: 14.01 min Scan# 2152
 Delta R.T. 0.38 min
 Lab File: VX015617.D
 Acq: 10 Apr 2020 13:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	109.1	76.9	115.3
145	31.9	24.3	36.5

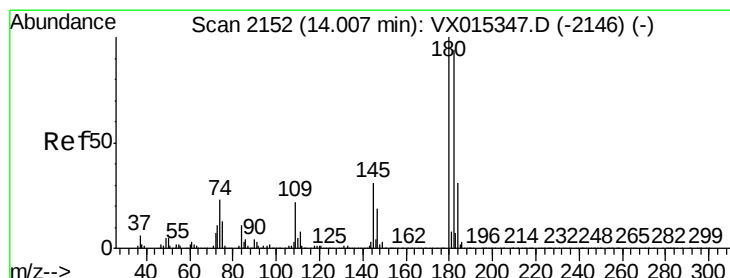
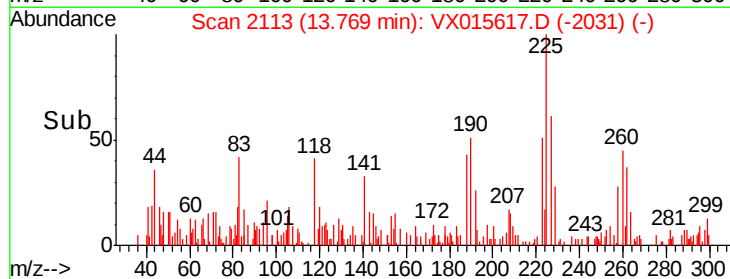
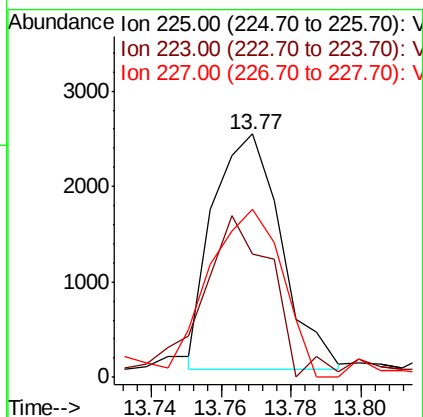
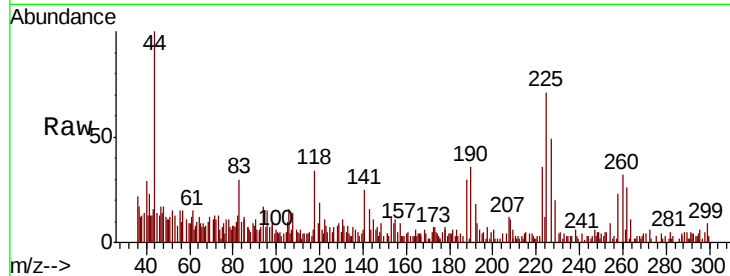




#90
Hexachlorobutadiene
Concen: 0.292 ug/l
RT: 13.77 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VX015617.D
Acq: 10 Apr 2020 13:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:225 Resp: 3323
Ion Ratio Lower Upper
225 100
223 69.0 0.0 127.0
227 77.0 0.0 126.8



#92
1,2,3-Trichlorobenzene
Concen: 0.222 ug/l
RT: 14.01 min Scan# 2152
Delta R.T. 0.00 min
Lab File: VX015617.D
Acq: 10 Apr 2020 13:40

Tgt Ion:180 Resp: 4759
Ion Ratio Lower Upper
180 100
182 104.6 0.0 191.0
145 31.8 0.0 62.2

