

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 :
 400408743-TRIP-BLANK

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

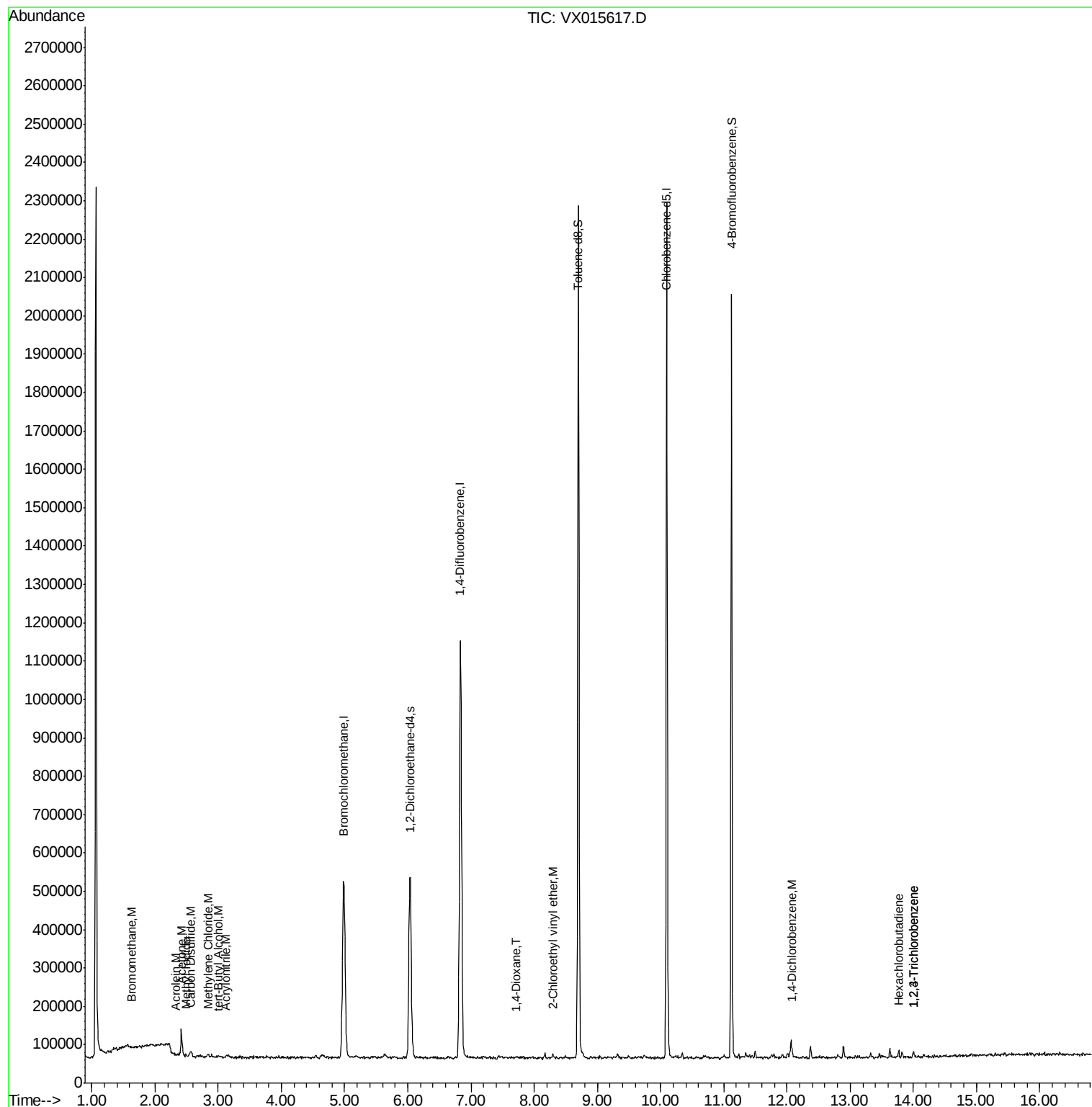
					Ovalue	
5) Bromomethane	1.64	94	2054	0.345	ug/l	91
11) Methyl Iodide	2.50	142	2886	0.202	ug/l #	75
13) Acrolein	2.33	56	431	0.211	ug/l	86
14) Acrylonitrile	3.12	53	1620	0.241	ug/l	90
15) Acetone	2.42	58	21362	12.479	ug/l	74
16) Carbon Disulfide	2.55	76	10284	0.327	ug/l #	81
18) Methylene Chloride	2.84	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

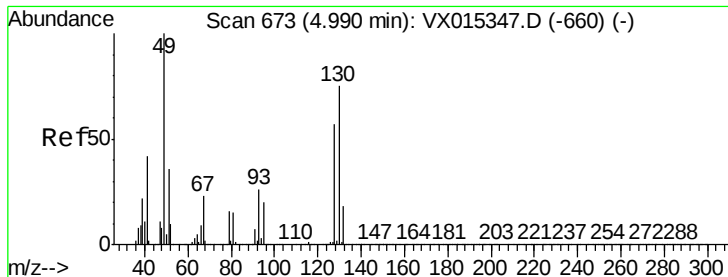
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041020\
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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

ClientSampleId :

400408743-TRIP-BLANK

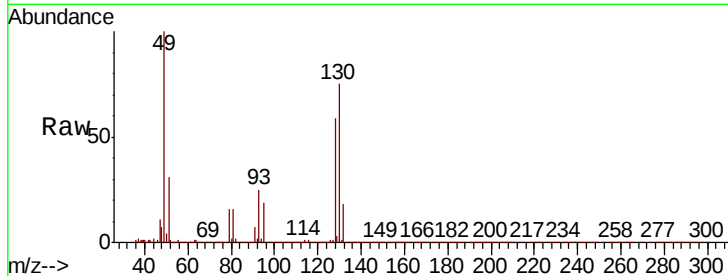
Tot Ion:128 Resp: 197354

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

150000

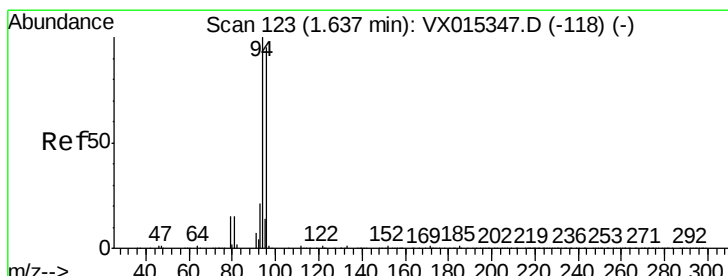
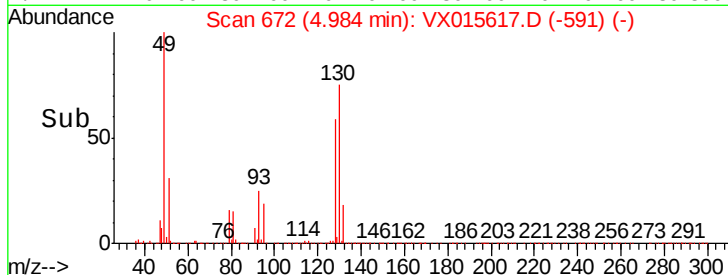
100000

50000

0

4.98

Time-->



#5

Bromomethane

Concen: 0.345 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX015617.D

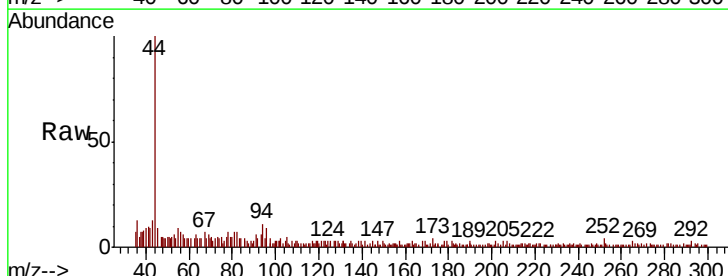
Acq: 10 Apr 2020 13:40

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

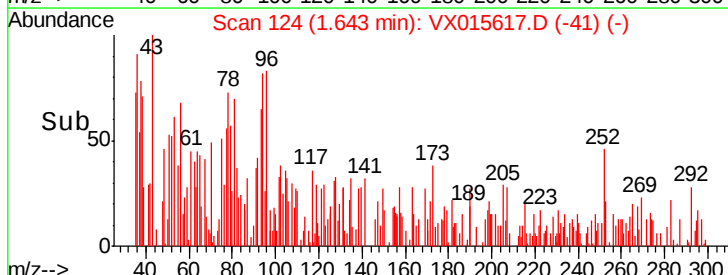
1000

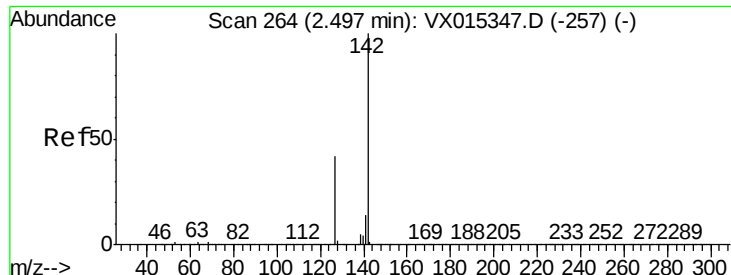
500

0

1.64

Time-->

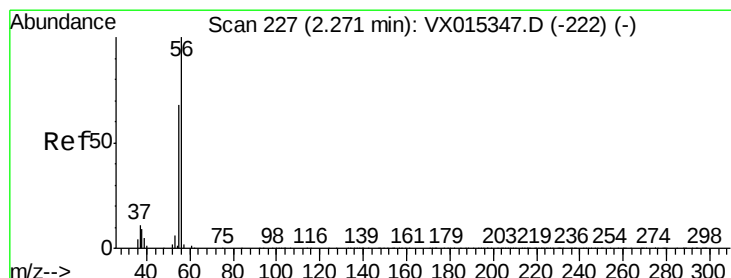
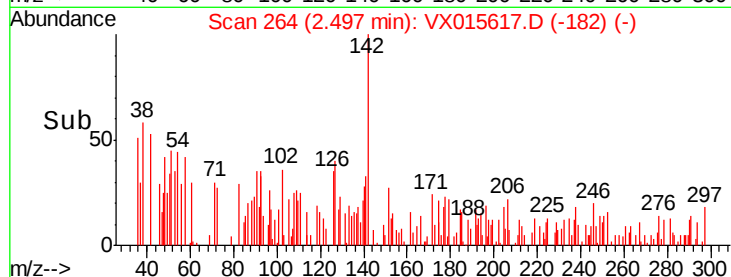
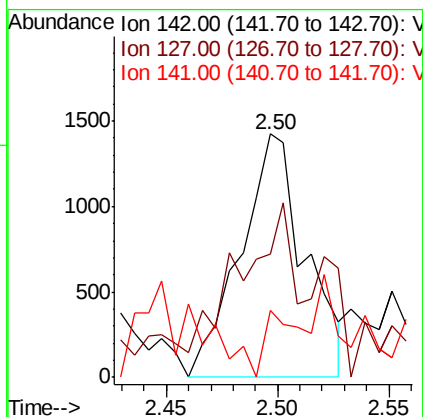
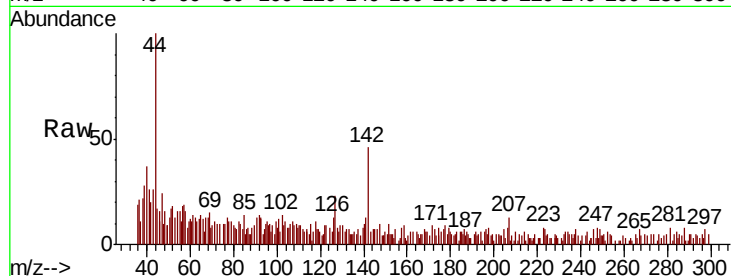




#11
Methyl Iodide
Concen: 0.202 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX015617.D
Acq: 10 Apr 2020 13:40

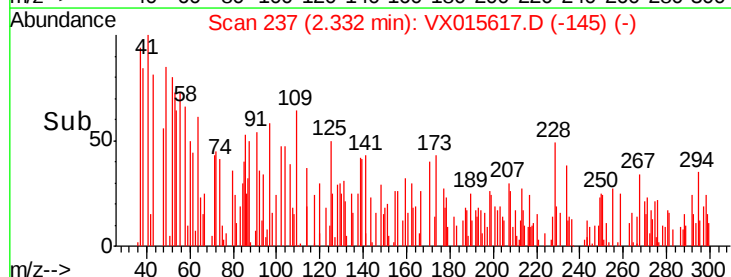
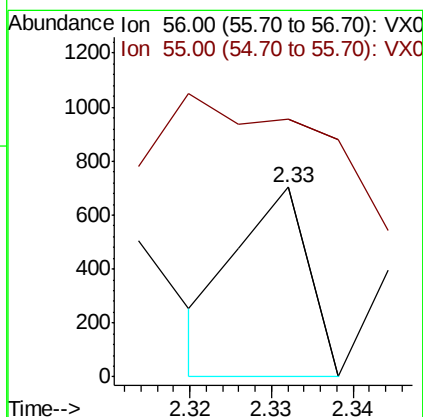
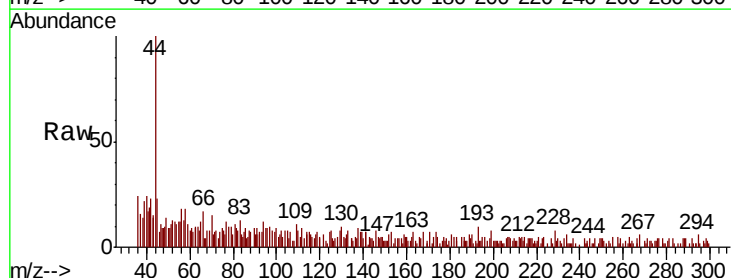
Instrument :
MSVOA_X
ClientSampleId :
400408743-TRIP-BLANK

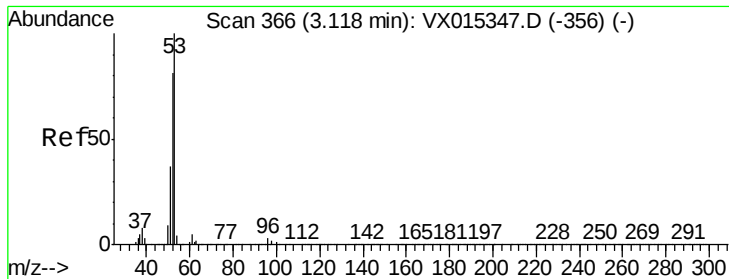
Tot Ion:142 Resp: 2886
Ion Ratio Lower Upper
142 100
127 26.2 21.0 63.0
141 4.4 6.9 20.7#



#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





#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 :

400408743-TRIP-BLANK

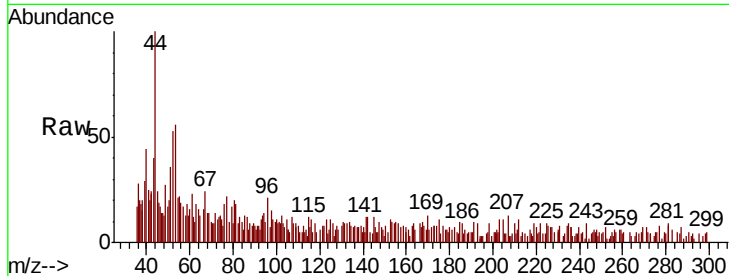
Tot Ion: 53 Resp: 1620

Ion Ratio Lower Upper

53 100

52 94.6 41.0 123.2

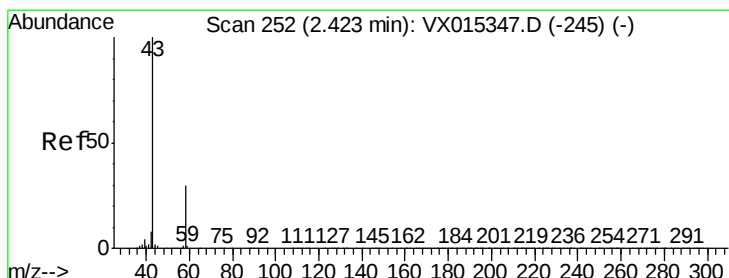
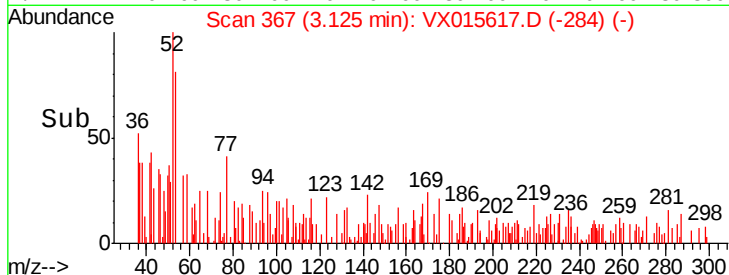
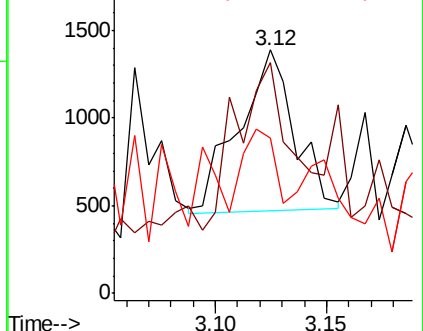
51 37.2 18.4 55.4



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#15

Acetone

Concen: 12.479 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015617.D

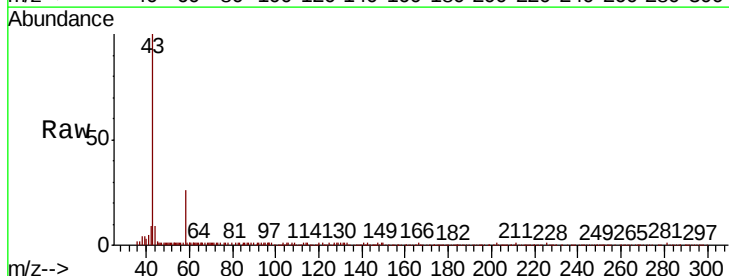
Acq: 10 Apr 2020 13:40

Tgt Ion: 58 Resp: 21362

Ion Ratio Lower Upper

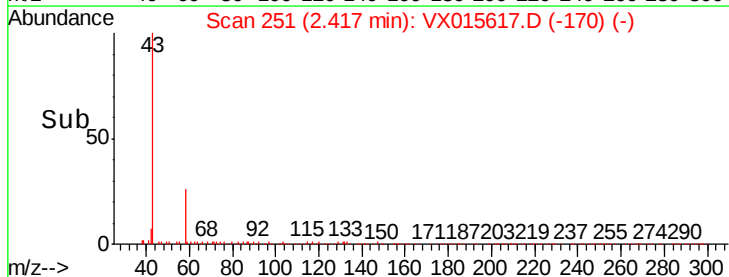
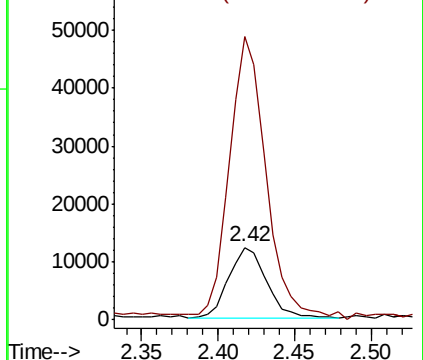
58 100

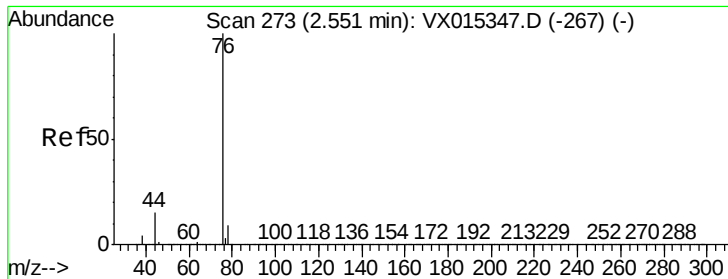
43 390.7 267.8 401.8



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

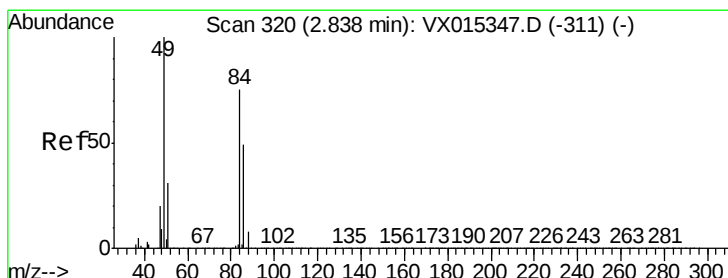
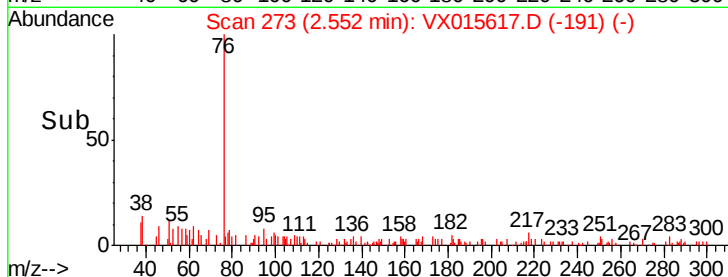
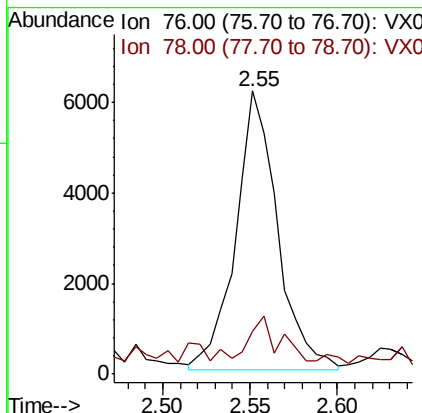
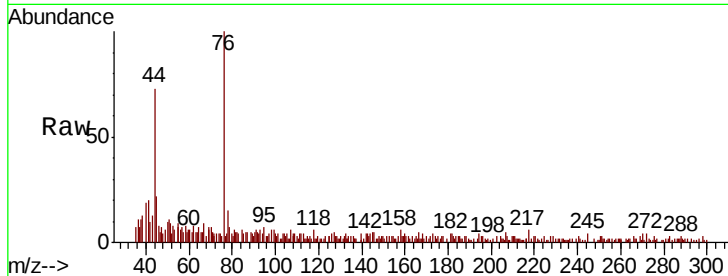




#16
Carbon Disulfide
Concen: 0.327 ug/l
RT: 2.55 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015617.D
Acq: 10 Apr 2020 13:40

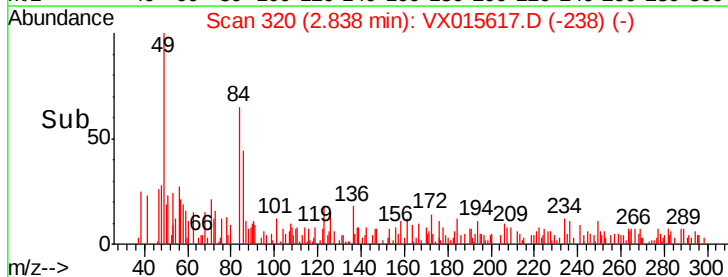
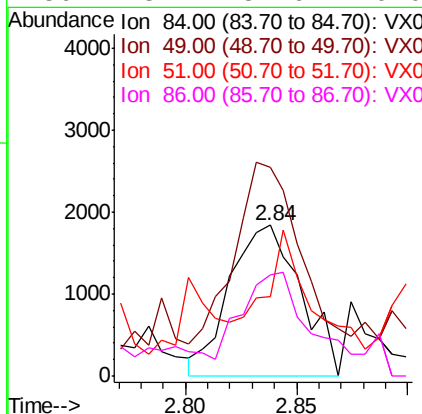
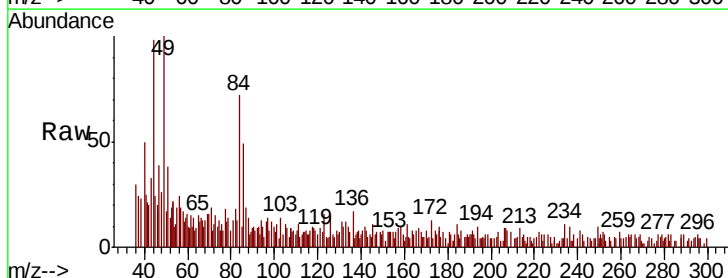
Instrument :
MSVOA_X
ClientSampleId :
400408743-TRIP-BLANK

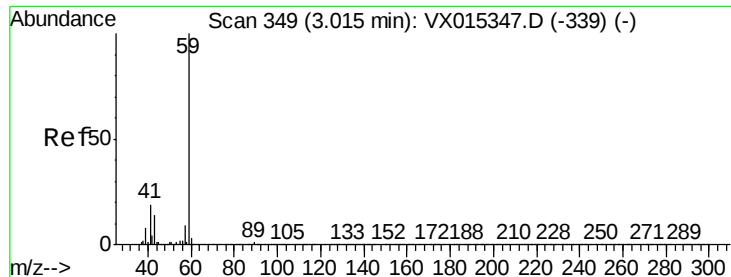
Tot Ion: 76 Resp: 10284
Ion Ratio Lower Upper
76 100
78 16.4 7.4 11.2#



#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#



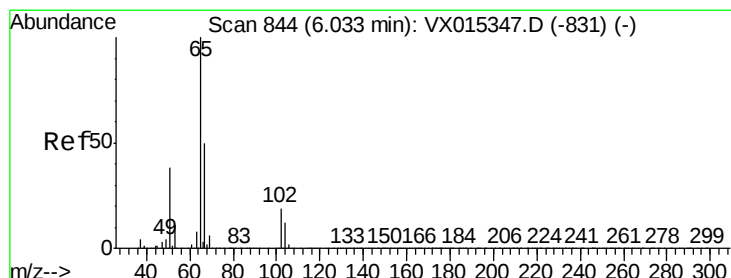
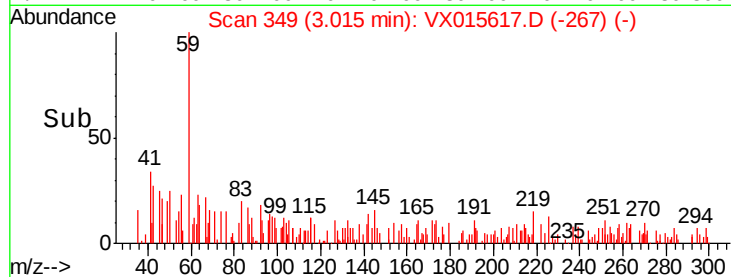
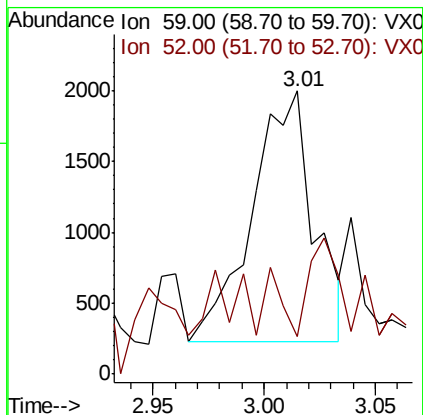
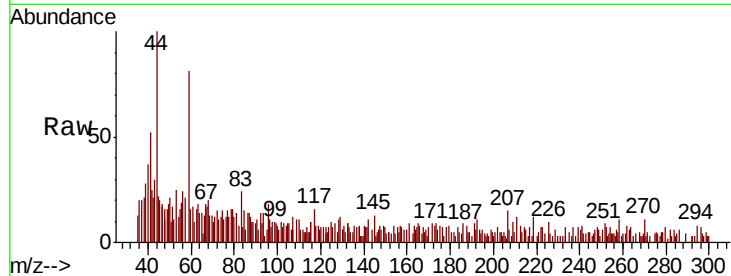


#23

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
 ClientSampleId :
 400408743-TRIP-BLANK

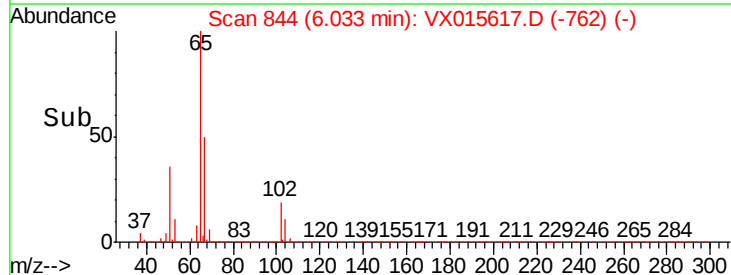
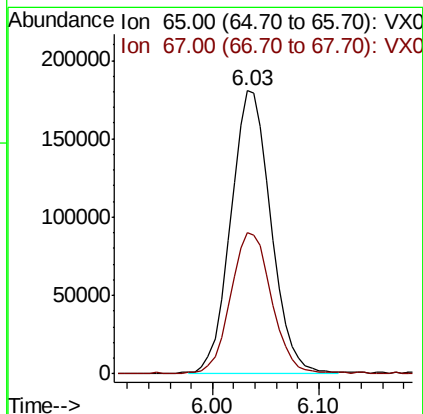
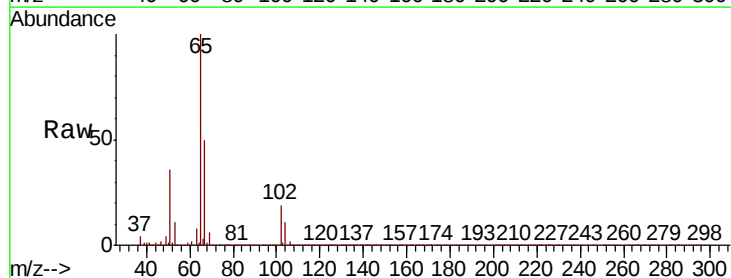
Tot Ion: 59 Resp: 3403
 Ion Ratio Lower Upper
 59 100
 52 18.3 0.2 0.2#

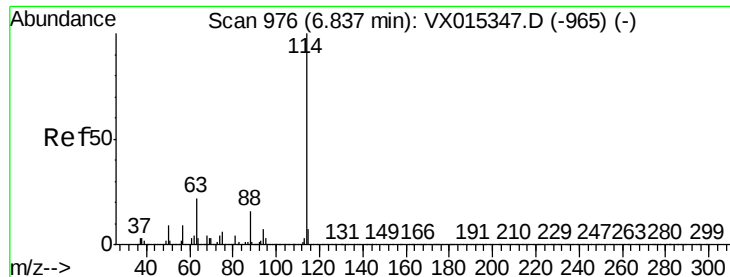


#27

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

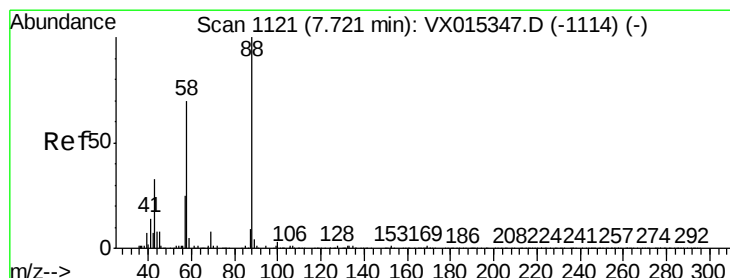
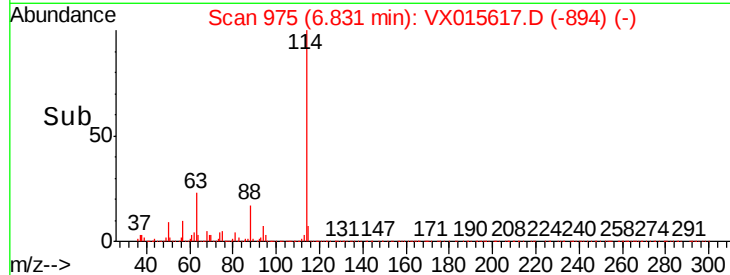
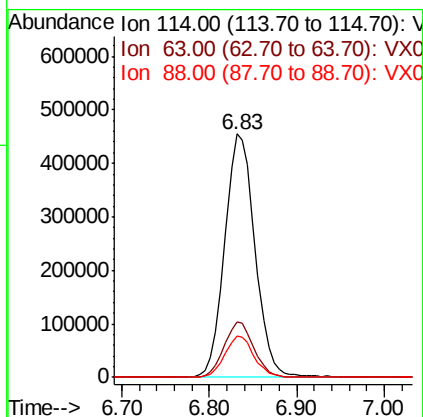
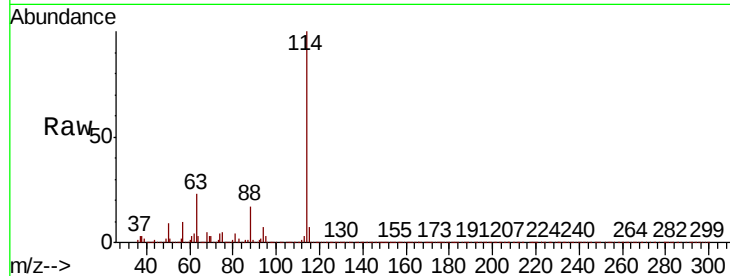




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015617.D
 Acq: 10 Apr 2020 13:40

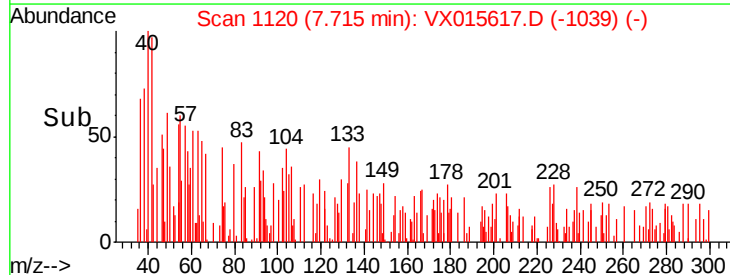
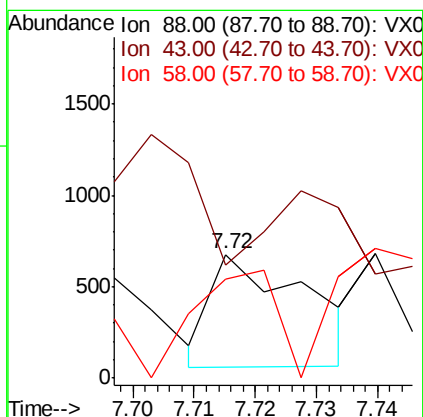
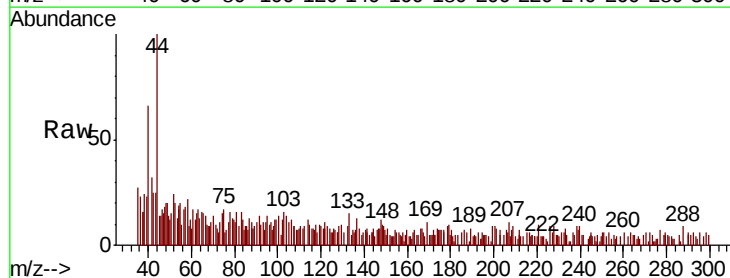
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 ClientSampleId :
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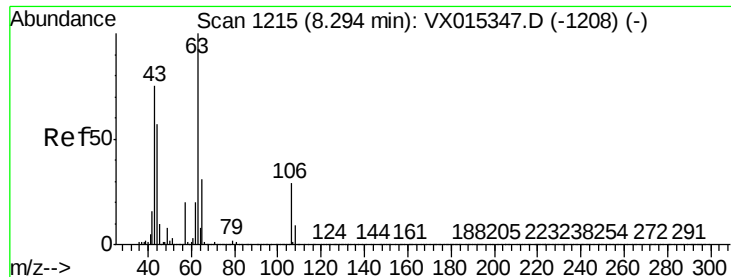
Tot Ion:114 Resp: 1091890
 Ion Ratio Lower Upper
 114 100
 63 22.4 17.4 26.2
 88 16.2 12.9 19.3



#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

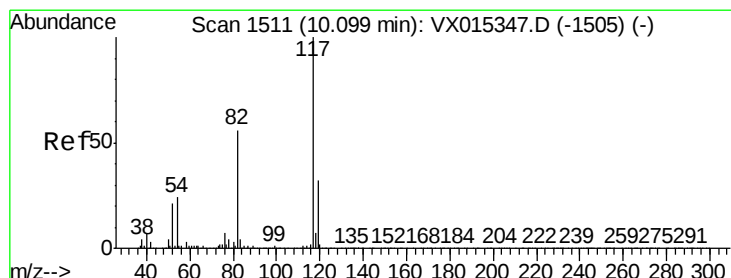
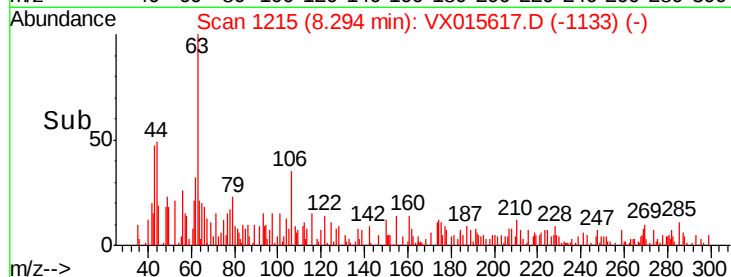
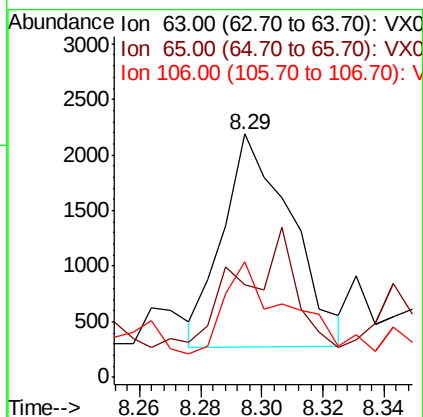
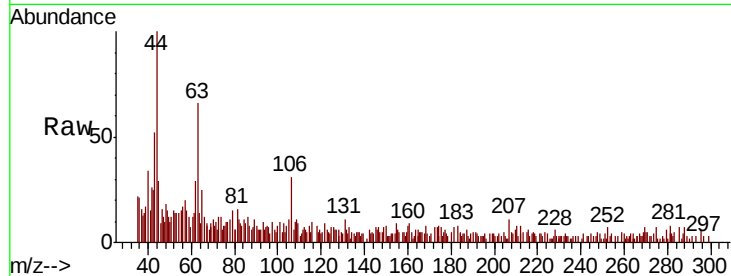




#55
2-Chloroethyl vinyl ether
Concen: 0.303 ug/l
RT: 8.29 min Scan# 1215
Delta R.T. 0.00 min
Lab File: VX015617.D
Acq: 10 Apr 2020 13:40

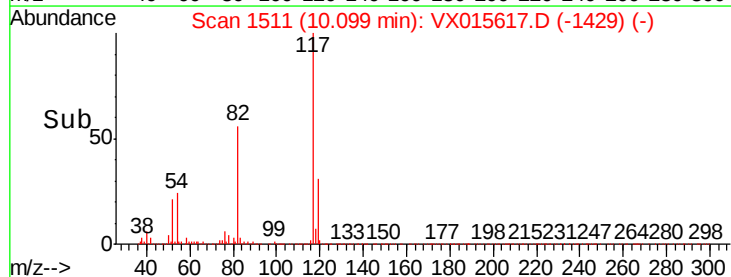
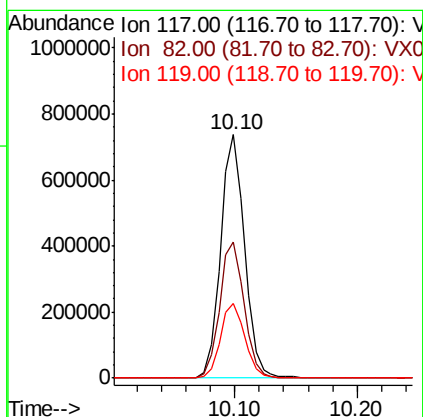
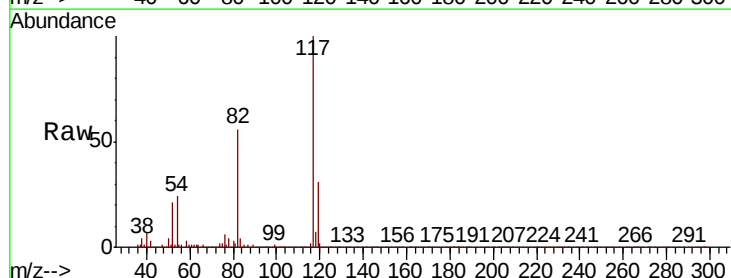
Instrument :
MSVOA_X
ClientSampleId :
400408743-TRIP-BLANK

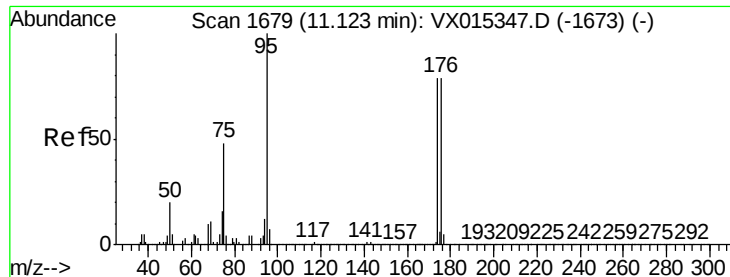
Tot Ion: 63 Resp: 2983
Ion Ratio Lower Upper
63 100
65 22.2 25.5 38.3#
106 22.5 23.1 34.7#



#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

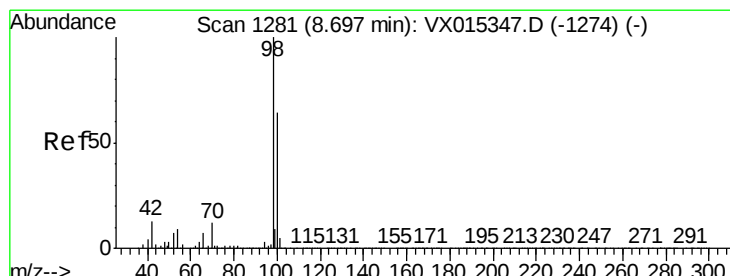
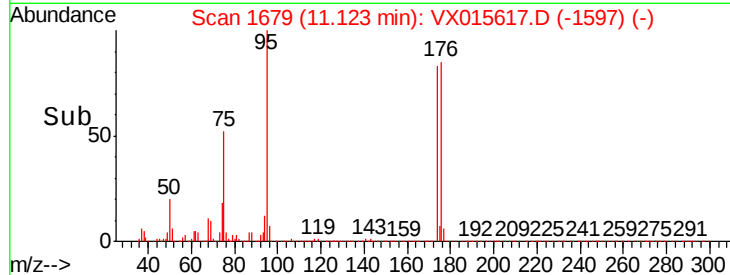
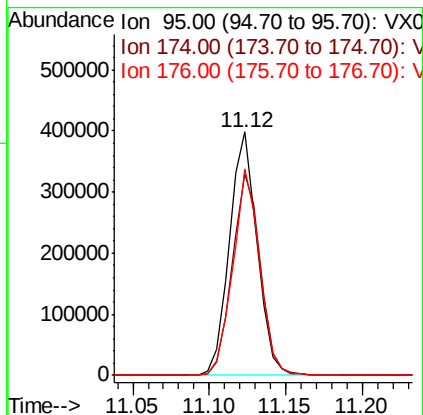
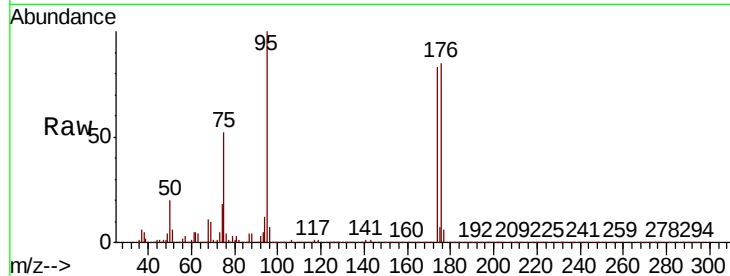




#60
4-Bromofluorobenzene
Concen: 28.999 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015617.D
Acq: 10 Apr 2020 13:40

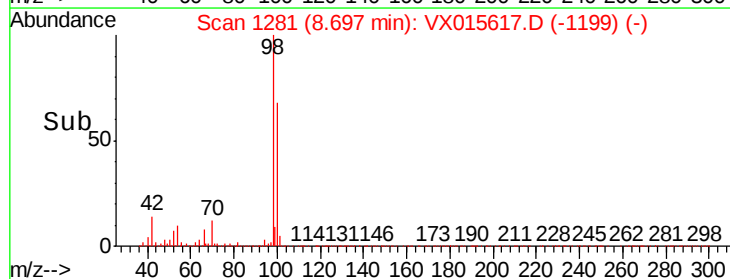
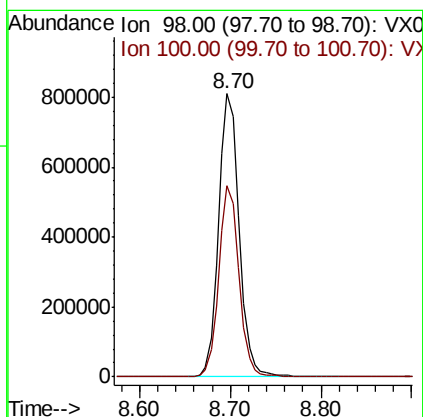
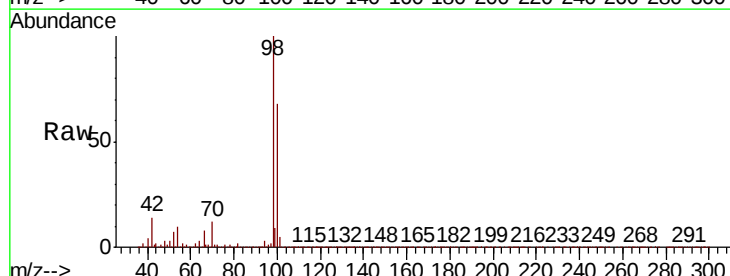
Instrument :
MSVOA_X
ClientSampleId :
400408743-TRIP-BLANK

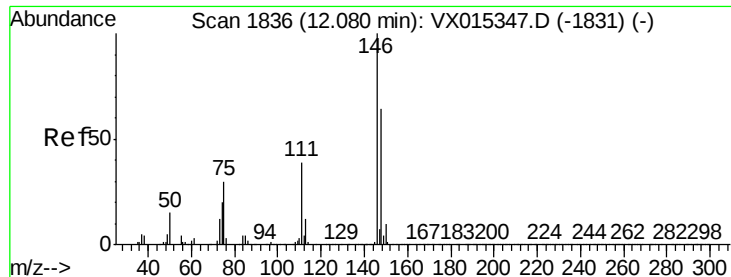
Tot Ion: 95 Resp: 497214
Ion Ratio Lower Upper
95 100
174 84.2 66.4 99.6
176 82.5 64.1 96.1



#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: 98 Resp: 1281031
Ion Ratio Lower Upper
98 100
100 66.5 52.2 78.2

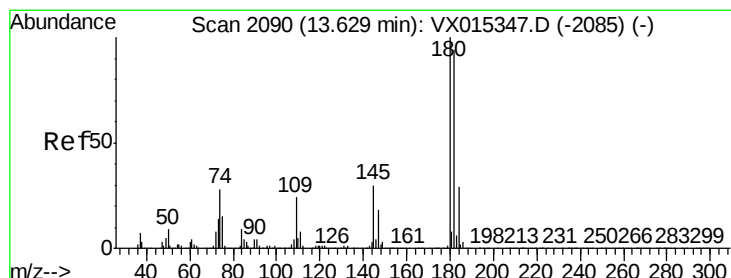
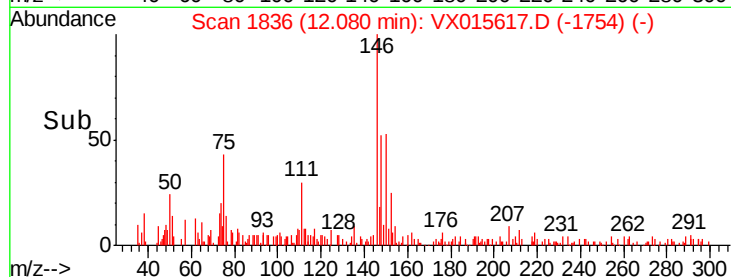
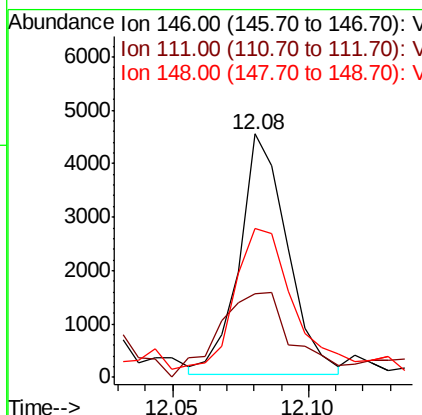
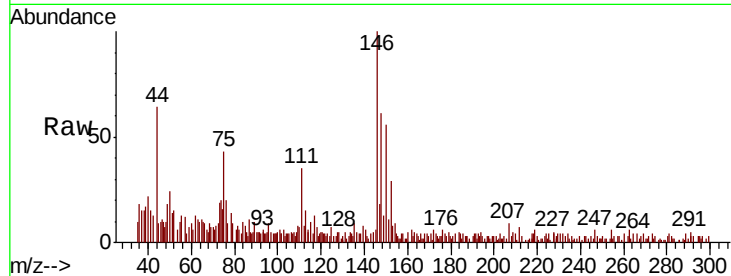




#84
 1,4-Dichlorobenzene
 Concen: 0.201 ug/l
 RT: 12.08 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: VX015617.D
 Acq: 10 Apr 2020 13:40

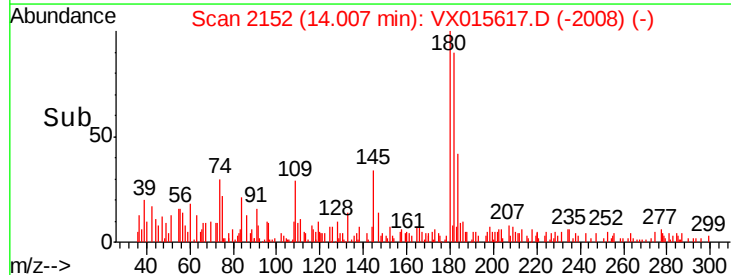
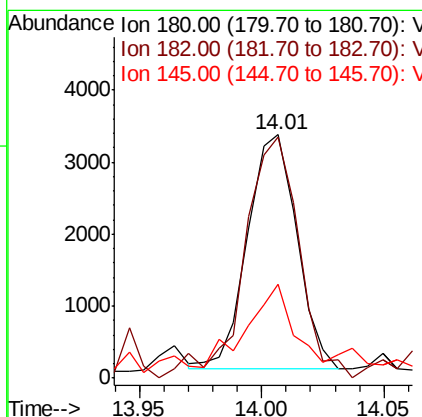
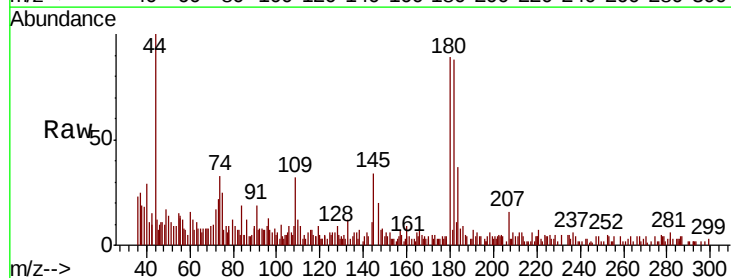
Instrument :
 MSVOA_X
 ClientSampleId :
 400408743-TRIP-BLANK

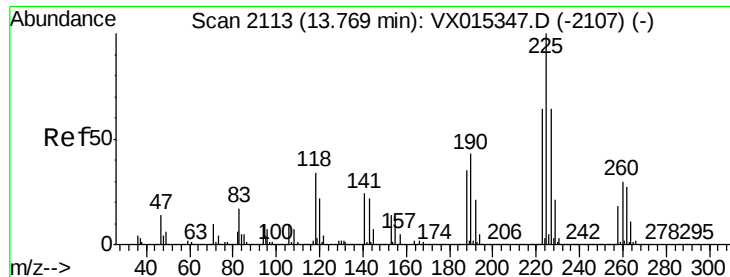
Tot Ion:146 Resp: 5506
 Ion Ratio Lower Upper
 146 100
 111 54.4 18.9 56.9
 148 71.6 31.4 94.3



#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:180 Resp: 4564
 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 :

400408743-TRIP-BLANK

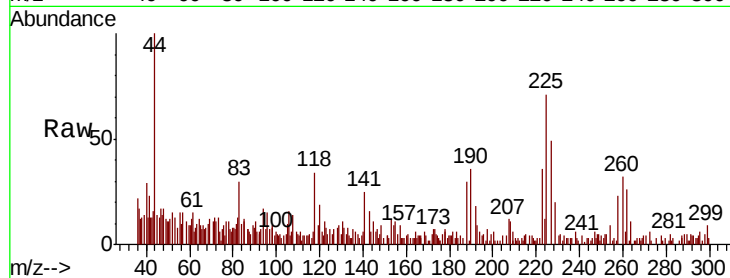
Tot Ion:225 Resp: 3323

Ion Ratio Lower Upper

225 100

223 69.0 0.0 127.0

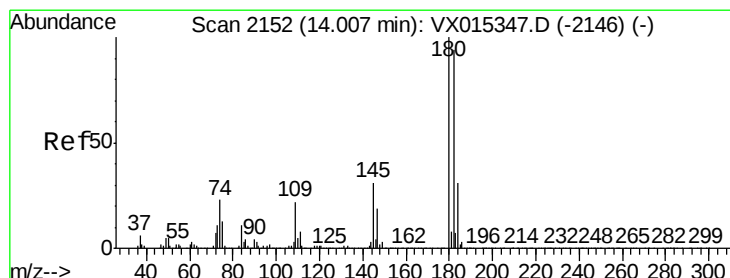
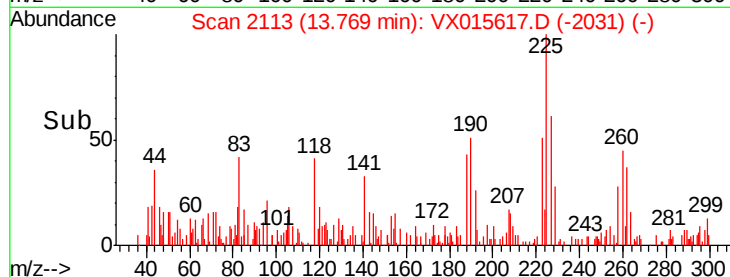
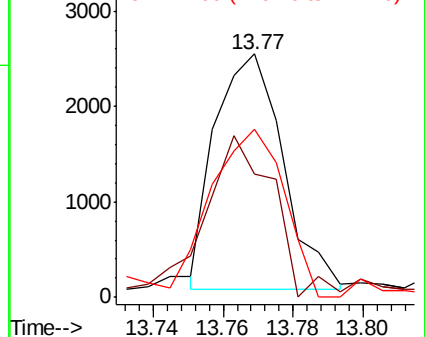
227 77.0 0.0 126.8



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#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

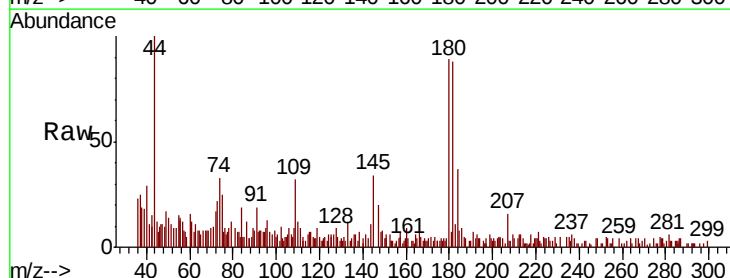
Tgt Ion:180 Resp: 4759

Ion Ratio Lower Upper

180 100

182 104.6 0.0 191.0

145 31.8 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

