

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041720\
 Data File : VX015741.D
 Acq On : 17 Apr 2020 16:24
 Operator : JC/SP
 Sample : L2326-01 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 01:07:19 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	4.99	128	165150	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	952426	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	885547	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	385923	29.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.67%
60) 4-Bromofluorobenzene	11.12	95	446110	29.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.13%
63) Toluene-d8	8.70	98	1116752	29.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.93%

Target Compounds

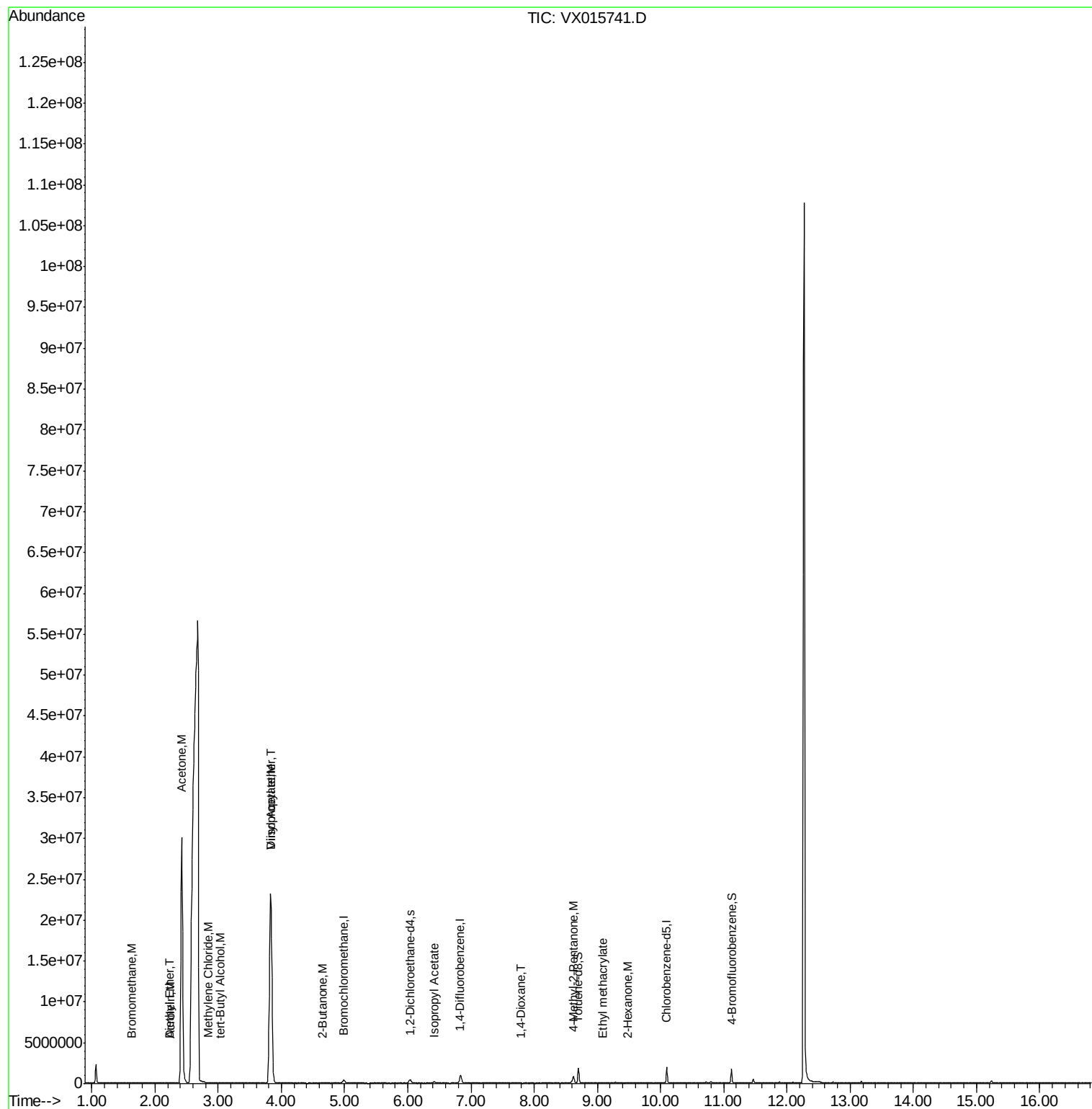
					Ovalue	
5) Bromomethane	1.64	94	1300	0.261	ug/l	92
8) Diethyl Ether	2.22	74	1203	0.234	ug/l	70
13) Acrolein	2.25	56	356	0.208	ug/l	91
15) Acetone	2.42	58	15053456	10508.865	ug/l #	1
18) Methylene Chloride	2.84	84	4984	0.494	ug/l #	80
20) Diisopropyl ether	3.83	45	25517321	700.764	ug/l #	79
23) tert-Butyl Alcohol	3.03	59	20209	7.293	ug/l #	97
30) 2-Butanone	4.65	43	58258	6.792	ug/l #	96
42) Vinyl Acetate	3.83	43	13416052	412.778	ug/l #	77
44) Isopropyl Acetate	6.42	43	251284	8.368	ug/l	97
45) 1,4-Dioxane	7.78	88	460	1.663	ug/l	97
51) Ethyl methacrylate	9.07	69	8964	0.493	ug/l	92
58) 4-Methyl-2-Pentanone	8.62	43	560077	33.046	ug/l	94
59) 2-Hexanone	9.48	43	8444	0.655	ug/l #	81

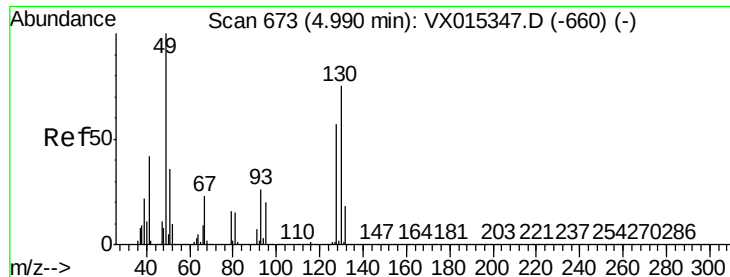
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041720\
Data File : VX015741.D
Acq On : 17 Apr 2020 16:24
Operator : JC/SP
Sample : L2326-01 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 20 01:07:19 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: 4.99 min Scan# 673

Delta R.T. -0.00 min

Lab File: VX015741.D

Acq: 17 Apr 2020 16:24

Instrument :
MSVOA_X
ClientSampleId :

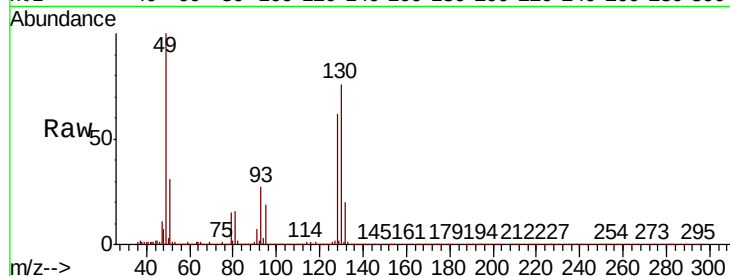
Tot Ion:128 Resp: 165150

Ion Ratio Lower Upper

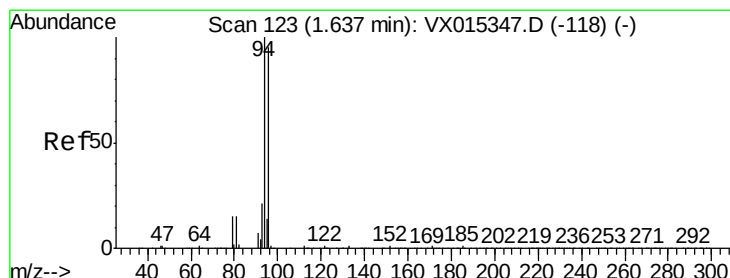
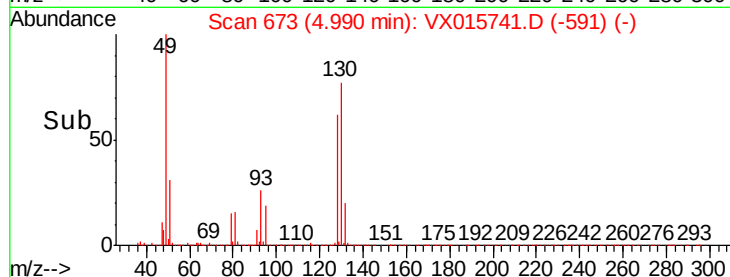
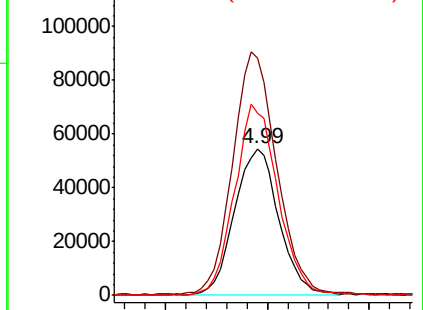
128 100

49 163.7 0.0 428.0

130 125.6 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: 0.261 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.00 min

Lab File: VX015741.D

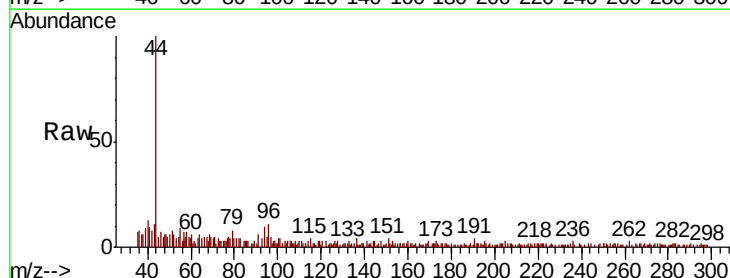
Acq: 17 Apr 2020 16:24

Tgt Ion: 94 Resp: 1300

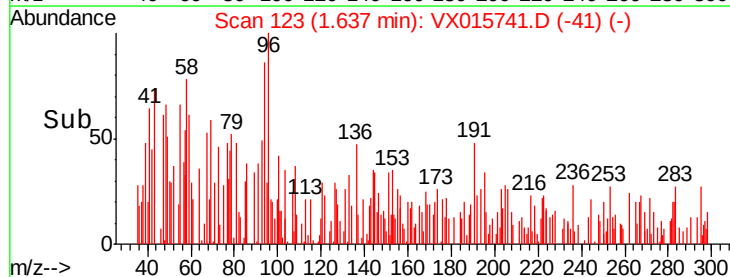
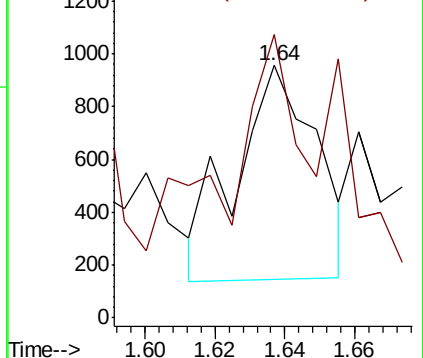
Ion Ratio Lower Upper

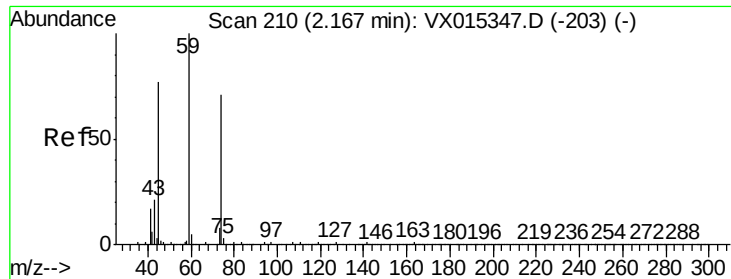
94 100

96 87.6 76.1 114.1



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





#8

Diethyl Ether

Concen: 0.234 ug/l

RT: 2.22 min Scan# 219

Delta R.T. 0.05 min

Lab File: VX015741.D

Acq: 17 Apr 2020 16:24

Instrument :

MSVOA_X

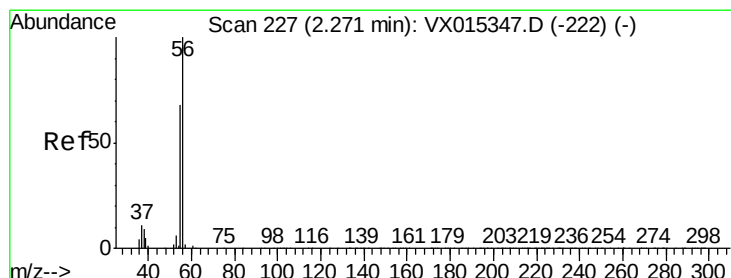
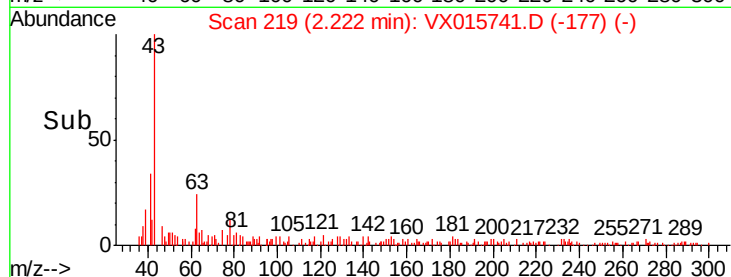
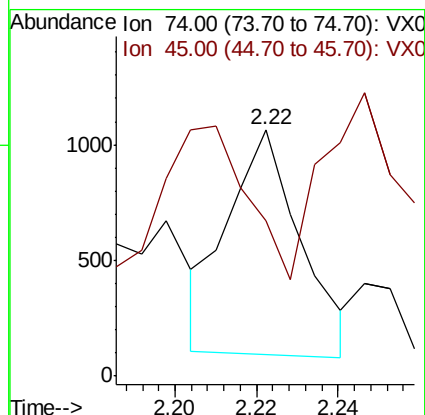
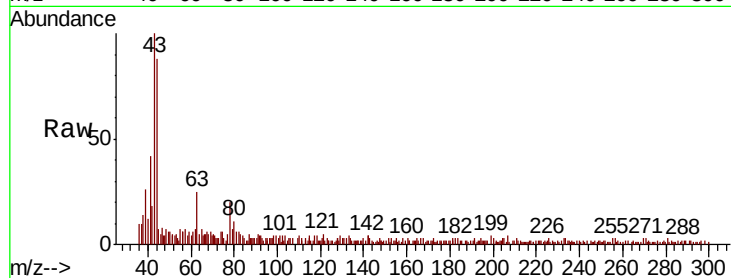
ClientSampled :

Tot Ion: 74 Resp: 1203

Ion Ratio Lower Upper

74 100

45 77.1 21.8 196.4



#13

Acrolein

Concen: 0.208 ug/l

RT: 2.25 min Scan# 223

Delta R.T. -0.02 min

Lab File: VX015741.D

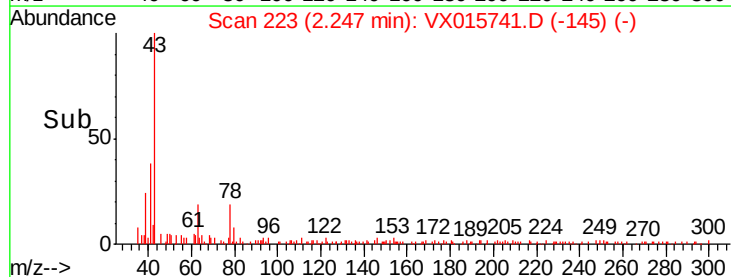
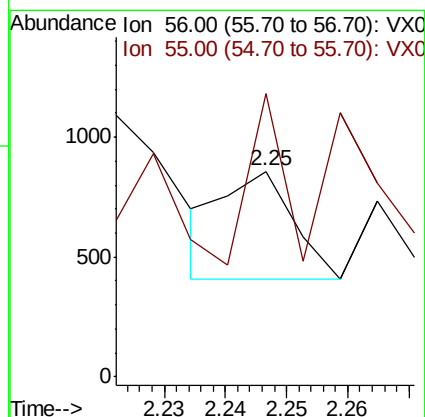
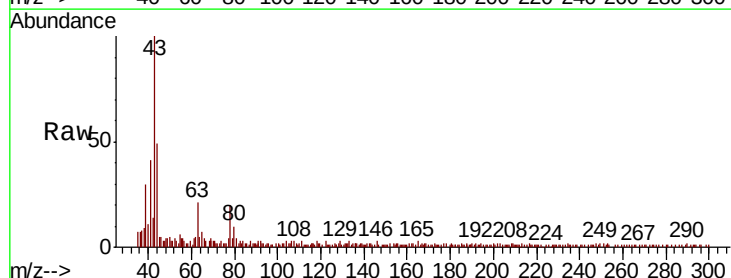
Acq: 17 Apr 2020 16:24

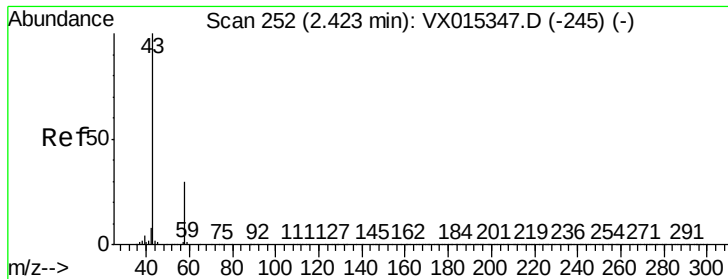
Tgt Ion: 56 Resp: 356

Ion Ratio Lower Upper

56 100

55 74.2 53.5 80.3

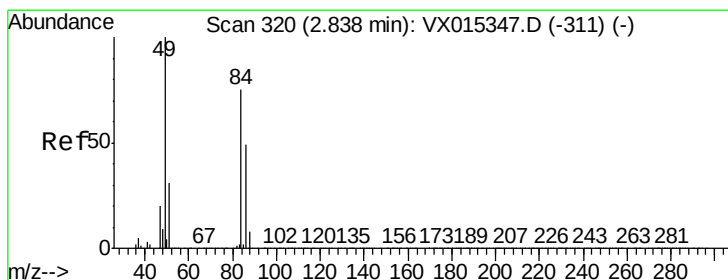
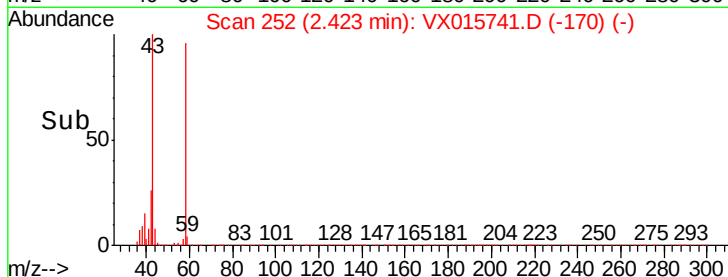
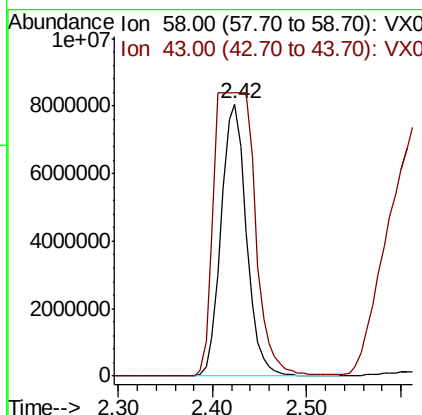
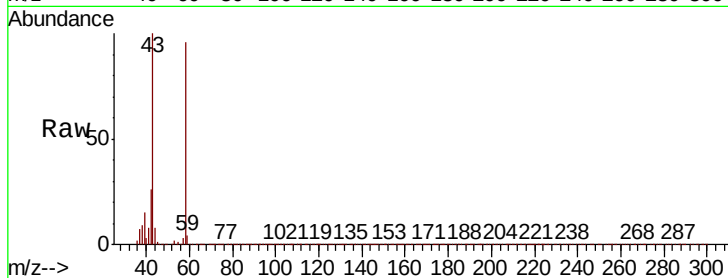




#15
Acetone
Concen: 10508.865 ug/l
RT: 2.42 min Scan# 252
Delta R.T. -0.00 min
Lab File: VX015741.D
Acq: 17 Apr 2020 16:24

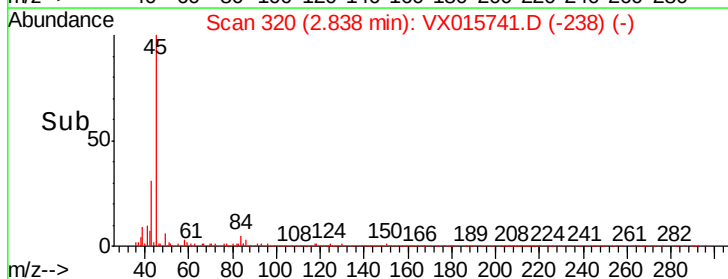
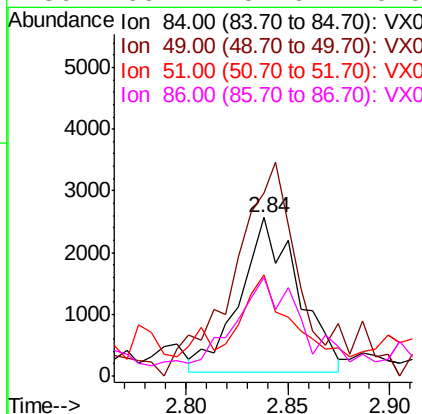
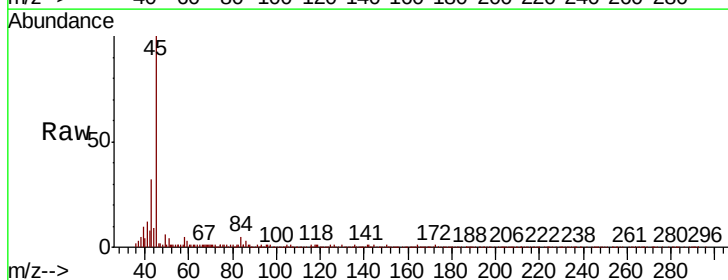
Instrument :
MSVOA_X
ClientSampleId :

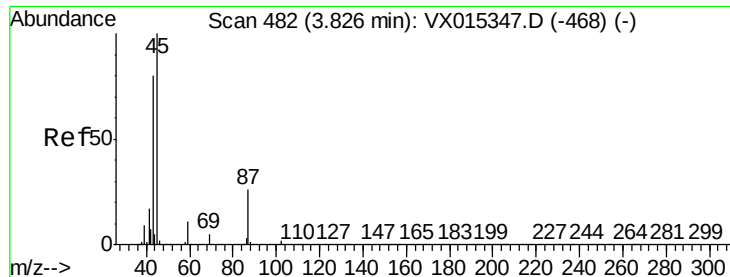
Tot Ion: 58 Resp:15053456
Ion Ratio Lower Upper
58 100
43 104.1 267.8 401.8#



#18
Methylene Chloride
Concen: 0.494 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.00 min
Lab File: VX015741.D
Acq: 17 Apr 2020 16:24

Tgt Ion: 84 Resp: 4984
Ion Ratio Lower Upper
84 100
49 100.0 107.0 160.4#
51 51.5 33.4 50.0#
86 60.4 52.6 79.0





#20

Diisopropyl ether

Concen: 700.764 ug/l

RT: 3.83 min Scan# 482

Delta R.T. -0.00 min

Lab File: VX015741.D

Acq: 17 Apr 2020 16:24

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 45 Resp:25517321

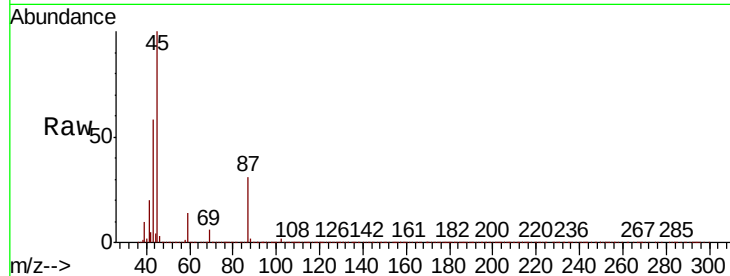
Ion Ratio Lower Upper

45 100

43 57.6 64.4 96.6#

87 31.2 20.4 30.6#

59 13.7 8.7 13.1#

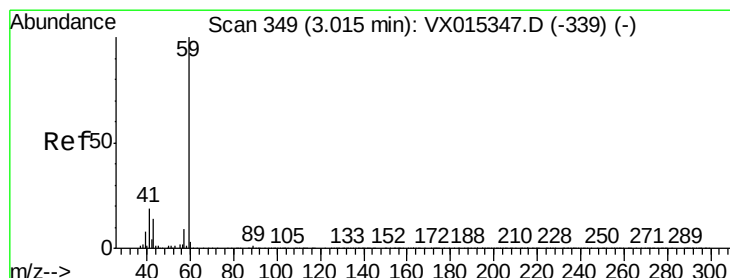
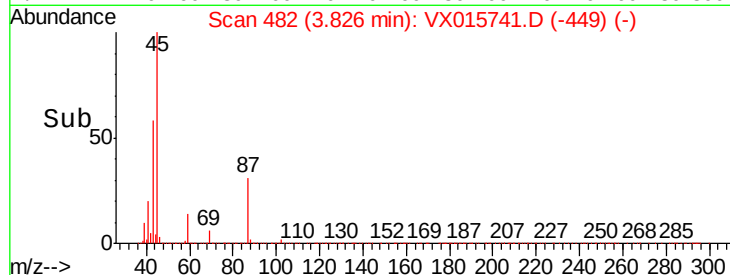
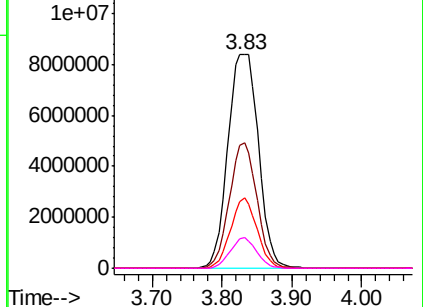


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#23

tert-Butyl Alcohol

Concen: 7.293 ug/l

RT: 3.03 min Scan# 351

Delta R.T. 0.01 min

Lab File: VX015741.D

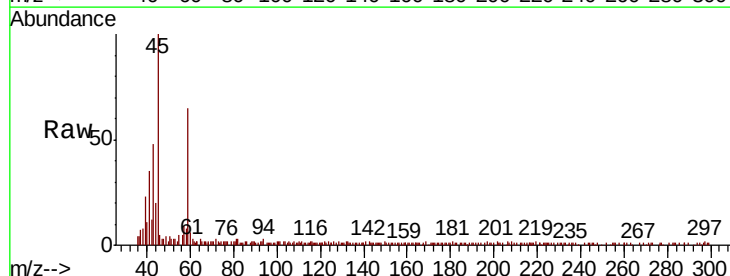
Acq: 17 Apr 2020 16:24

Tgt Ion: 59 Resp: 20209

Ion Ratio Lower Upper

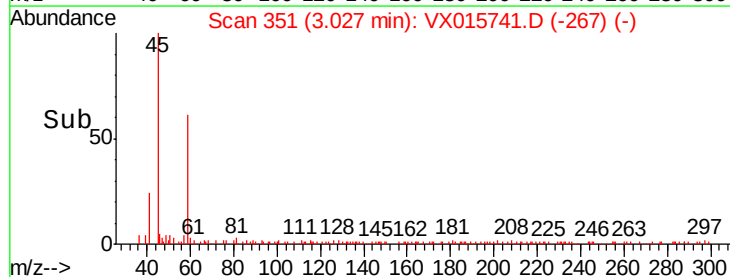
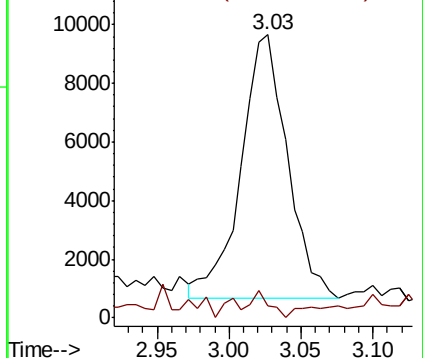
59 100

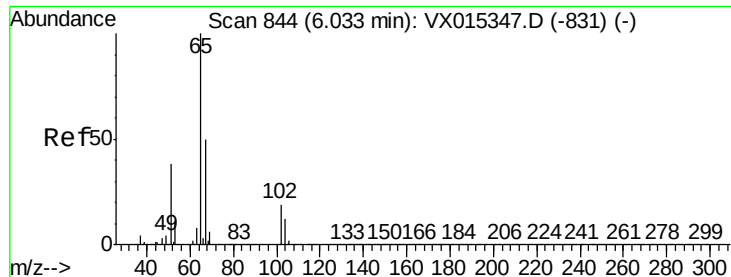
52 3.9 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

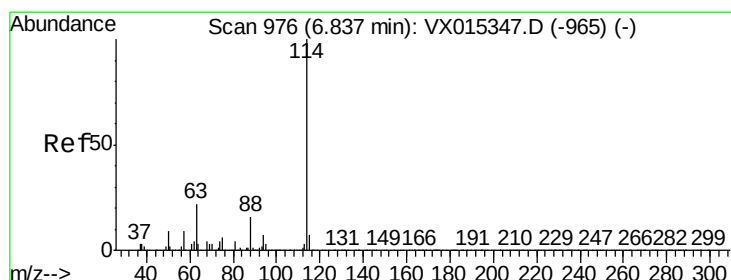
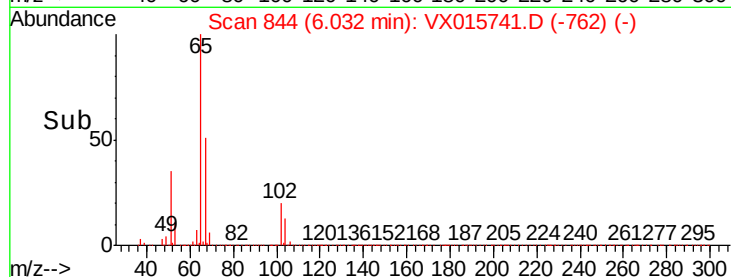
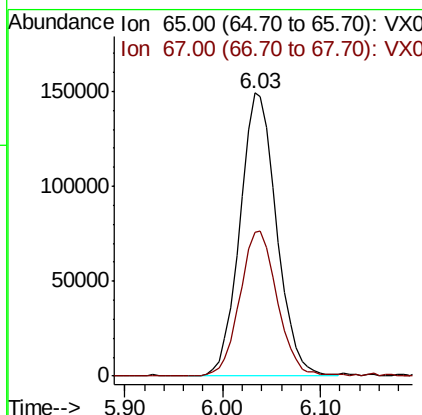
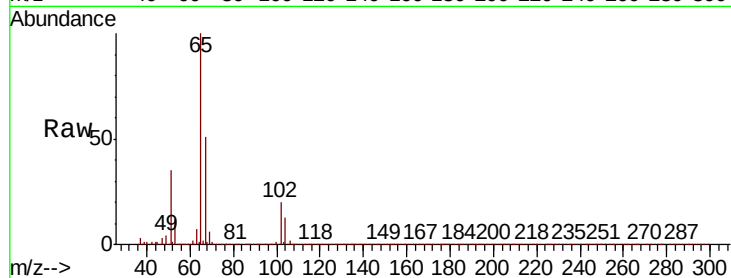




#27
 1,2-Dichloroethane-d4
 Concen: 29.904 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: VX015741.D
 Acq: 17 Apr 2020 16:24

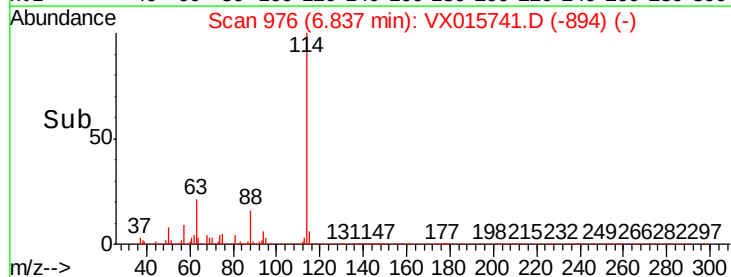
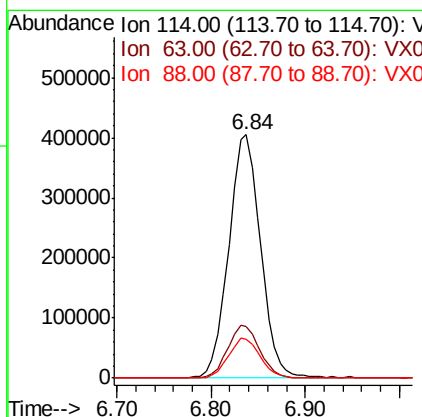
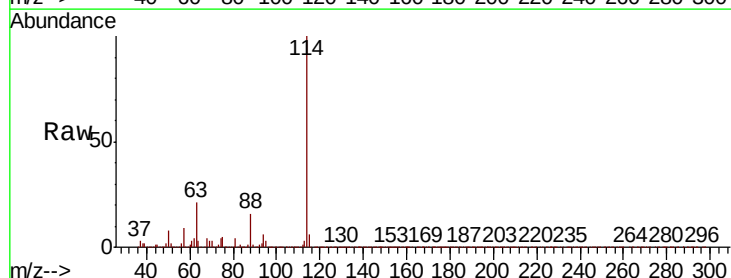
Instrument :
 MSVOA_X
 ClientSampleId :

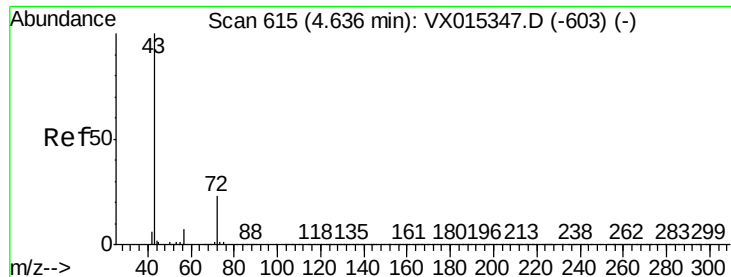
Tot Ion: 65 Resp: 385923
 Ion Ratio Lower Upper
 65 100
 67 52.3 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015741.D
 Acq: 17 Apr 2020 16:24

Tgt Ion: 114 Resp: 952426
 Ion Ratio Lower Upper
 114 100
 63 21.5 17.4 26.2
 88 16.3 12.9 19.3

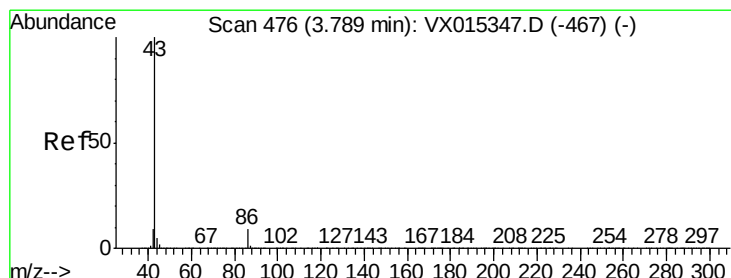
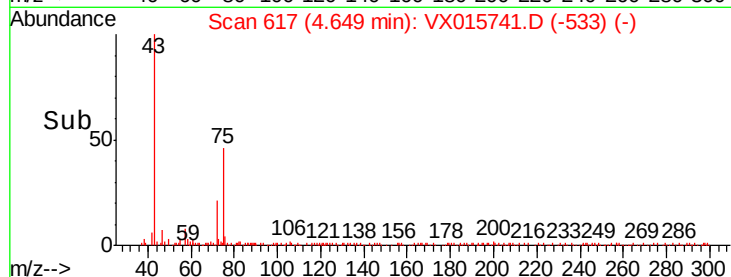
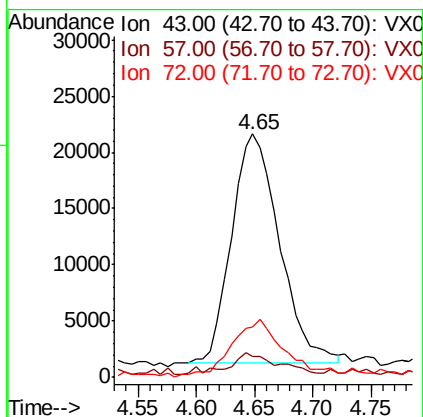
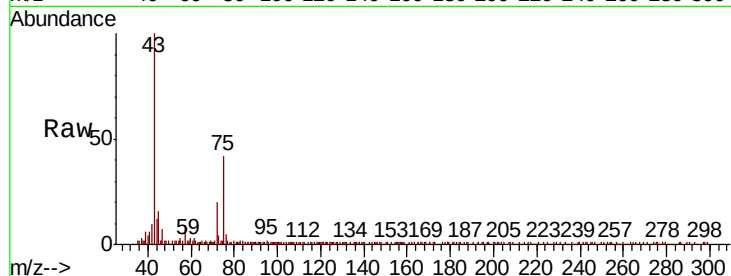




#30
2-Butanone
Concen: 6.792 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015741.D
Acq: 17 Apr 2020 16:24

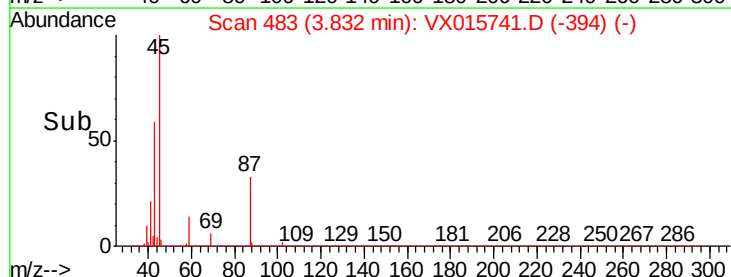
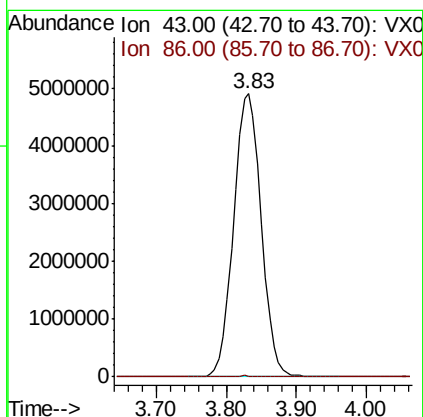
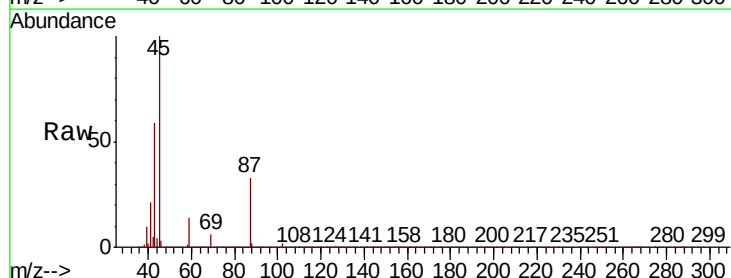
Instrument :
MSVOA_X
ClientSampled :

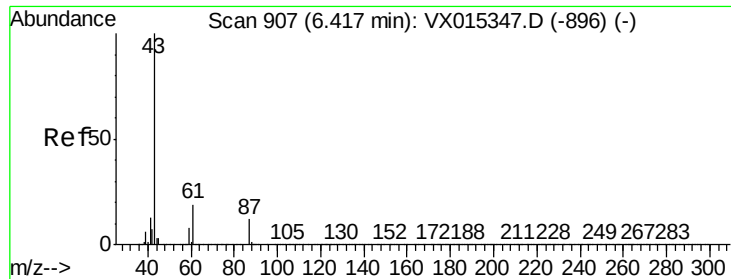
Tot Ion: 43 Resp: 58258
Ion Ratio Lower Upper
43 100
57 3.7 5.9 8.9#
72 22.4 18.6 27.8



#42
Vinyl Acetate
Concen: 412.778 ug/l
RT: 3.83 min Scan# 483
Delta R.T. 0.04 min
Lab File: VX015741.D
Acq: 17 Apr 2020 16:24

Tgt Ion: 43 Resp:13416052
Ion Ratio Lower Upper
43 100
86 0.3 6.9 10.3#



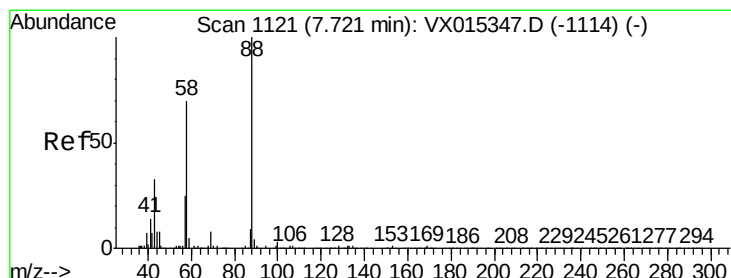
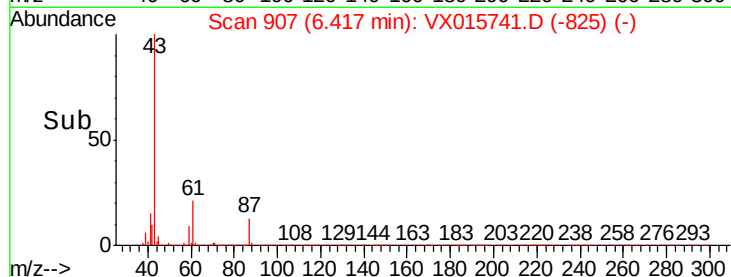
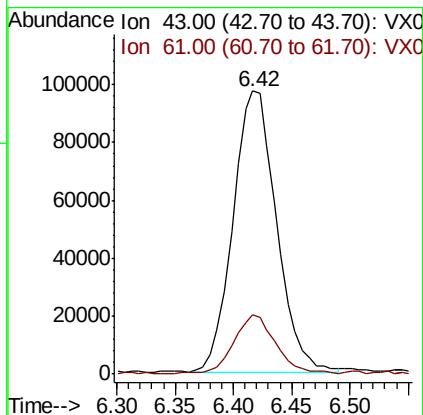
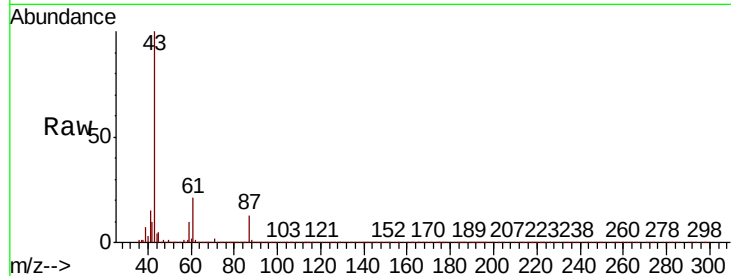


#44

Isopropyl Acetate
 Concen: 8.368 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: VX015741.D
 Acq: 17 Apr 2020 16:24

Instrument :
 MSVOA_X
 ClientSampled :

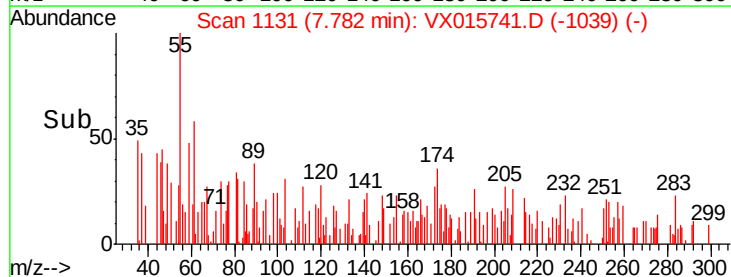
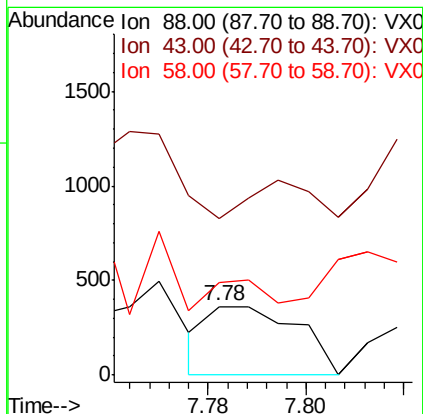
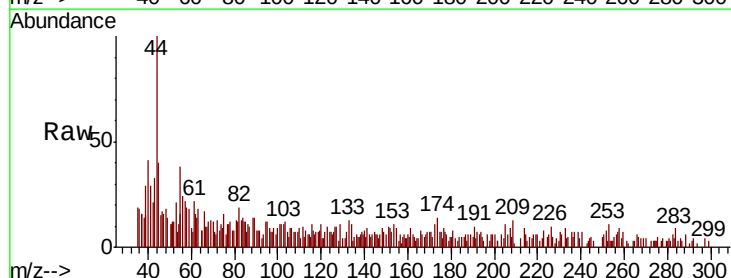
Tot Ion: 43 Resp: 251284
 Ion Ratio Lower Upper
 43 100
 61 19.8 14.6 22.0

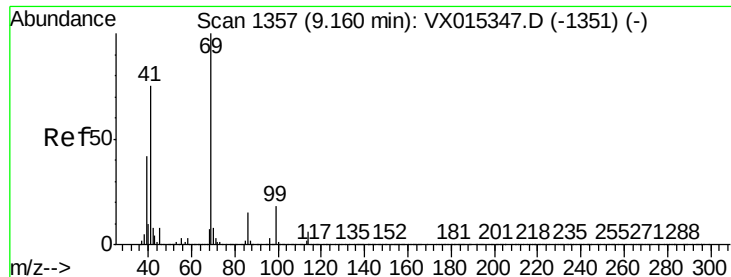


#45

1,4-Dioxane
 Concen: 1.663 ug/l
 RT: 7.78 min Scan# 1131
 Delta R.T. 0.06 min
 Lab File: VX015741.D
 Acq: 17 Apr 2020 16:24

Tgt Ion: 88 Resp: 460
 Ion Ratio Lower Upper
 88 100
 43 35.7 32.1 48.1
 58 73.0 59.4 89.0





#51

Ethyl methacrylate

Concen: 0.493 ug/l

RT: 9.07 min Scan# 1343

Delta R.T. -0.09 min

Lab File: VX015741.D

Acq: 17 Apr 2020 16:24

Instrument :
MSVOA_X
ClientSampleId :

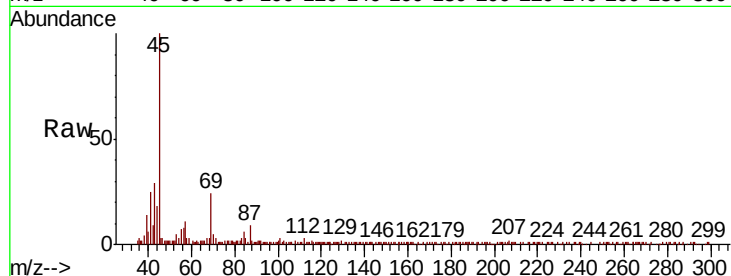
Tot Ion: 69 Resp: 8964

Ion Ratio Lower Upper

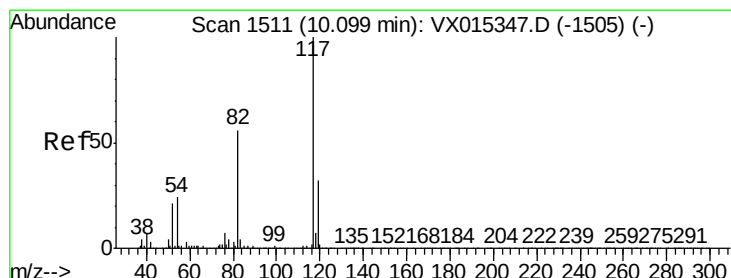
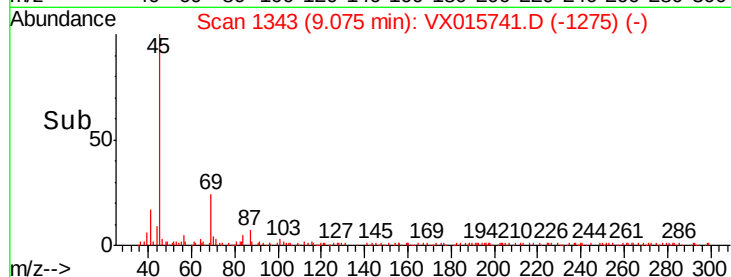
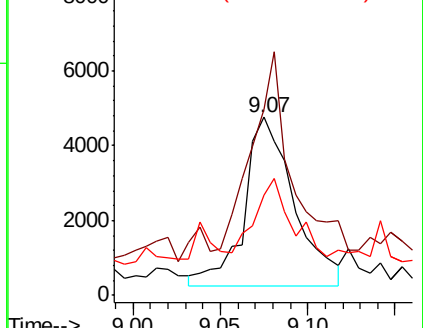
69 100

41 83.6 37.4 112.2

39 40.3 21.1 63.1



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



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015741.D

Acq: 17 Apr 2020 16:24

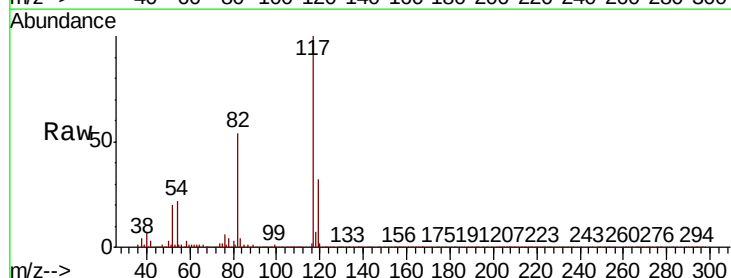
Tgt Ion: 117 Resp: 885547

Ion Ratio Lower Upper

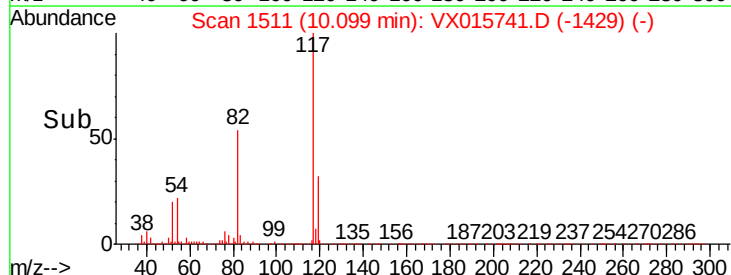
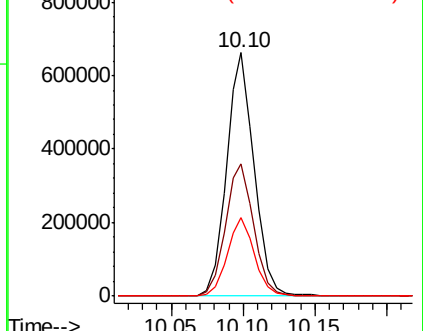
117 100

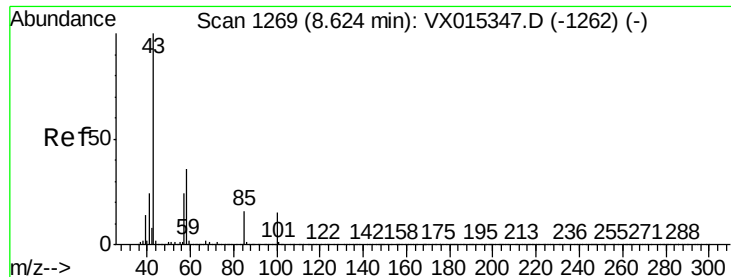
82 55.5 45.0 67.6

119 31.9 25.5 38.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

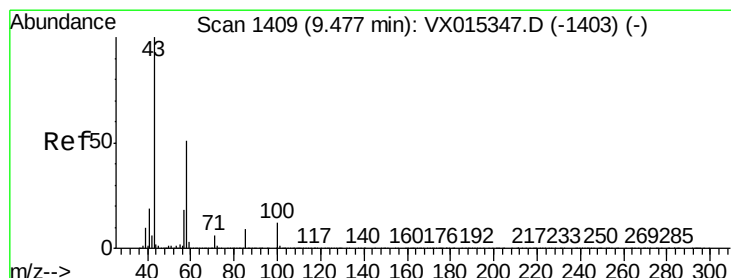
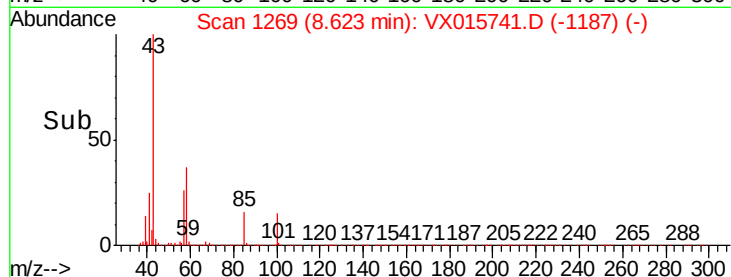
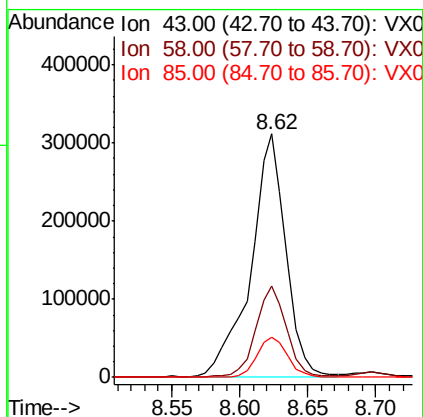
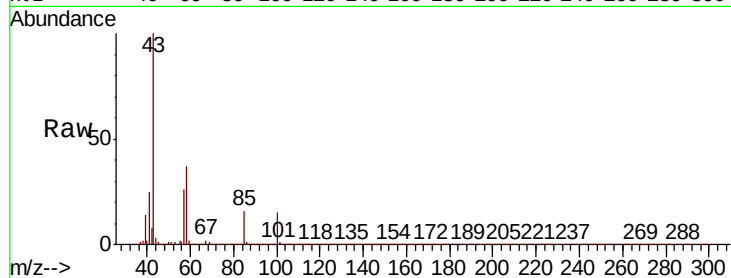




#58
 4-Methyl-2-Pentanone
 Concen: 33.046 ug/l
 RT: 8.62 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX015741.D
 Acq: 17 Apr 2020 16:24

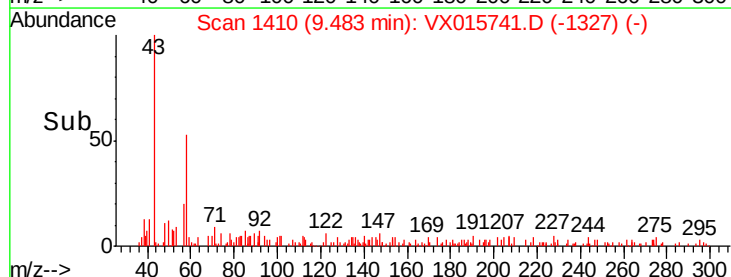
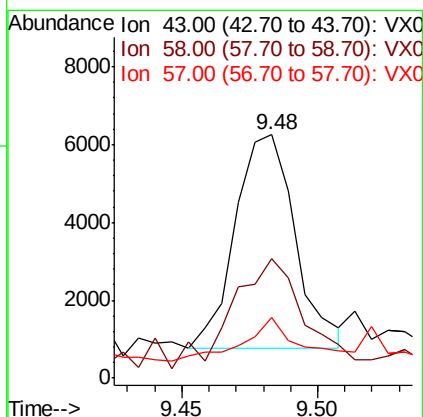
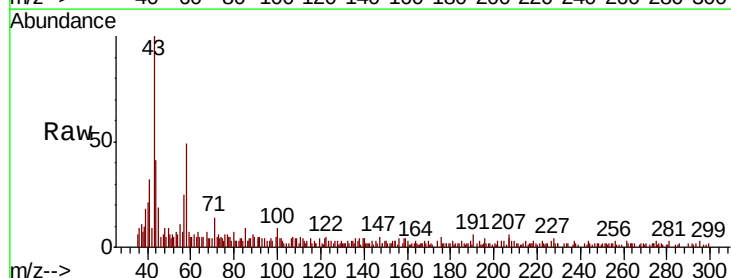
Instrument :
 MSVOA_X
 ClientSampleId :

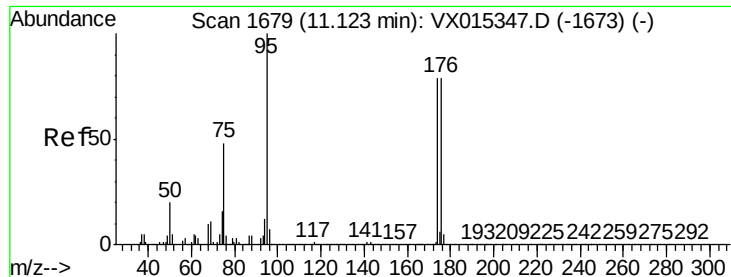
Tot Ion:	43	Resp:	560077
Ion	Ratio	Lower	Upper
43	100		
58	32.7	29.4	44.0
85	14.2	13.0	19.4



#59
 2-Hexanone
 Concen: 0.655 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. 0.01 min
 Lab File: VX015741.D
 Acq: 17 Apr 2020 16:24

Tgt Ion:	43	Resp:	8444
Ion	Ratio	Lower	Upper
43	100		
58	67.8	40.2	60.4#
57	19.0	14.6	22.0

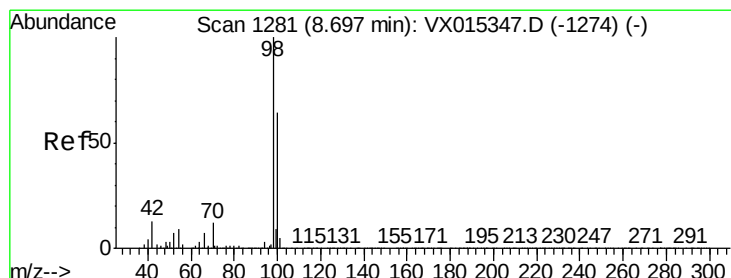
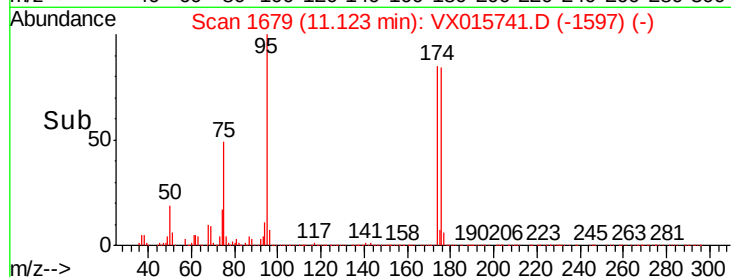
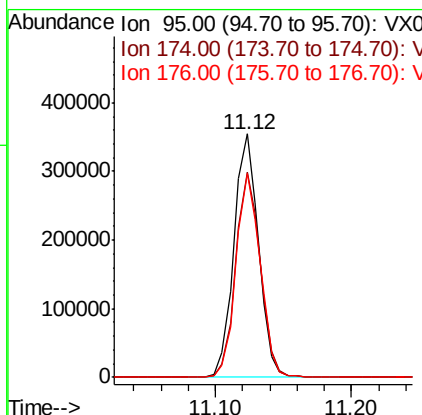
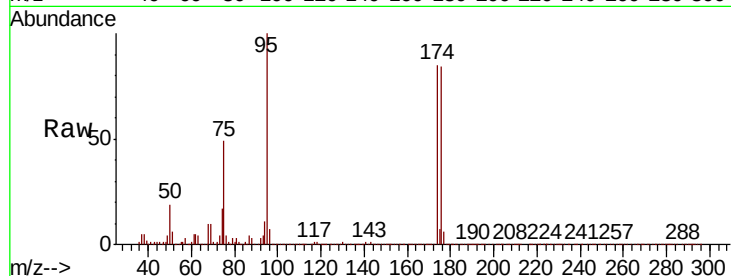




#60
4-Bromofluorobenzene
Concen: 29.436 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015741.D
Acq: 17 Apr 2020 16:24

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	95	Resp	446110
Ion Ratio	Lower	Upper	
95	100		
174	84.3	66.4	99.6
176	82.5	64.1	96.1



#63
Toluene-d8
Concen: 29.682 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015741.D
Acq: 17 Apr 2020 16:24

Tgt Ion	98	Resp	1116752
Ion Ratio	Lower	Upper	
98	100		
100	67.5	52.2	78.2

