

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
 Data File : VX011614.D
 Acq On : 17 Aug 2019 05:19
 Operator : JC/SP
 Sample : K4265-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 R1-R2-(0)

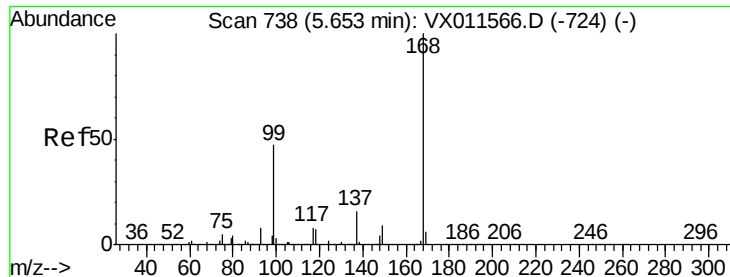
Quant Time: Aug 19 01:20:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	435664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	597897	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	539237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	266676	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	207154	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	5.49	113	178834	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
50) Toluene-d8	8.71	98	686343	56.33	ug/l	0.00
Spiked Amount			Recovery	=	112.66%	
62) 4-Bromofluorobenzene	11.13	95	222390	43.24	ug/l	0.00
Spiked Amount			Recovery	=	86.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	686	0.359	ug/l	70
11) Tert butyl alcohol	3.01	59	7515	7.582	ug/l #	79
13) Acrolein	2.28	56	591	14.027	ug/l #	15
16) Acetone	2.43	43	10605	5.220	ug/l	94
18) Methyl Acetate	2.76	43	6200	0.984	ug/l	99
20) Methylene Chloride	2.85	84	9760	2.288	ug/l	97
25) 2-Butanone	4.68	43	3892	1.220	ug/l #	72
36) 1,1-Dichloropropene	5.65	75	24215	4.737	ug/l #	40
38) Carbon Tetrachloride	5.66	117	36110	6.412	ug/l #	15
43) Isopropyl Acetate	6.44	43	80437	8.766	ug/l	99
48) Methyl methacrylate	7.68	41	5024	1.106	ug/l #	17
49) 1,4-Dioxane	7.74	88	206	1.704	ug/l #	25
51) 4-Methyl-2-Pentanone	8.61	43	74158	12.347	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	35218	5.866	ug/l #	63
59) 2-Hexanone	9.54	43	90496	19.539	ug/l #	50
71) Bromoform	10.86	173	124	3.319	ug/l #	28
74) N-amyl acetate	10.82	43	3812	0.518	ug/l #	46
76) 1,2,3-Trichloropropane	11.13	75	110706	21.893	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	110706	58.471	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.00	75	343	0.252	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

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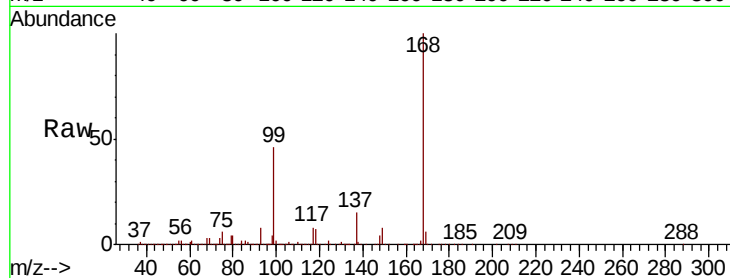
R1-R2(0)

Tgt Ion:168 Resp: 435664

Ion Ratio Lower Upper

168 100

99 45.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

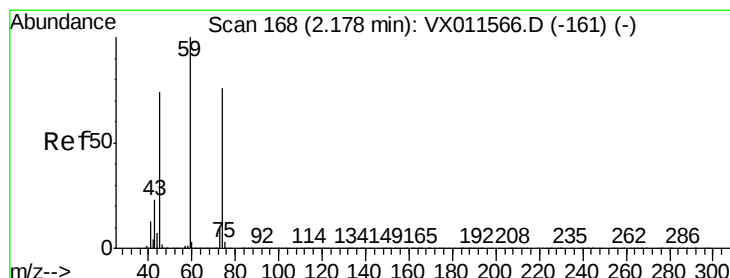
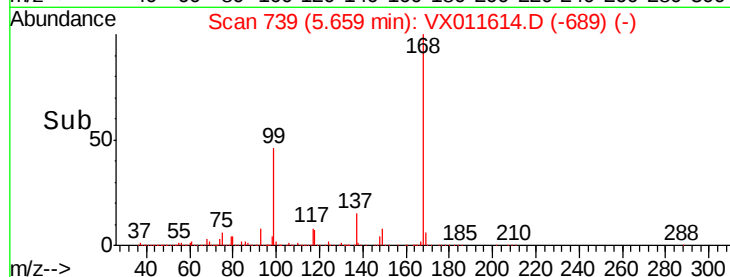
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.359 ug/l

RT: 2.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VX011614.D

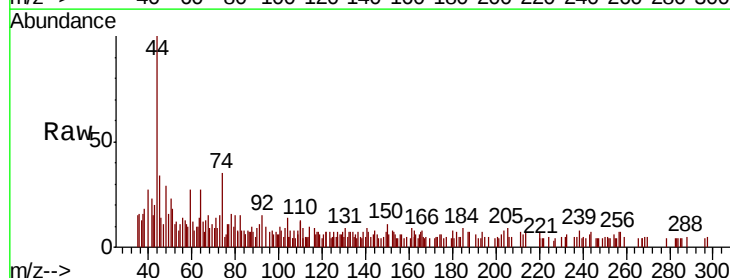
Acq: 17 Aug 2019 05:19

Tgt Ion: 74 Resp: 686

Ion Ratio Lower Upper

74 100

45 67.3 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

800

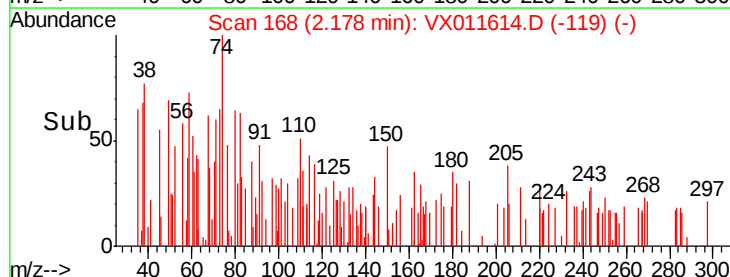
600

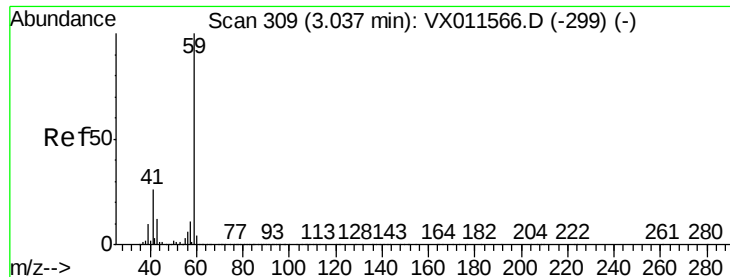
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200

0

Time-->

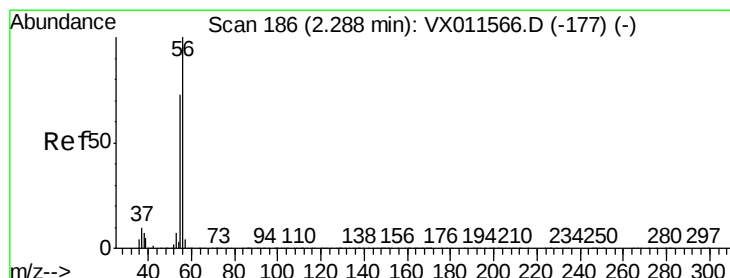
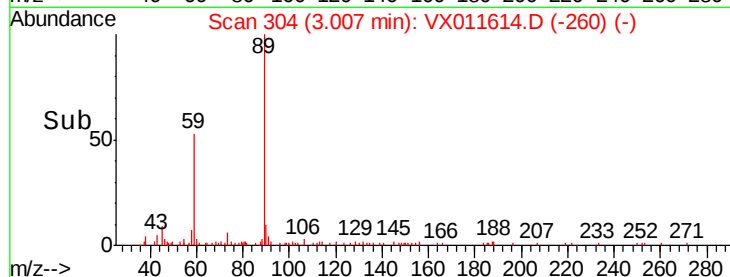
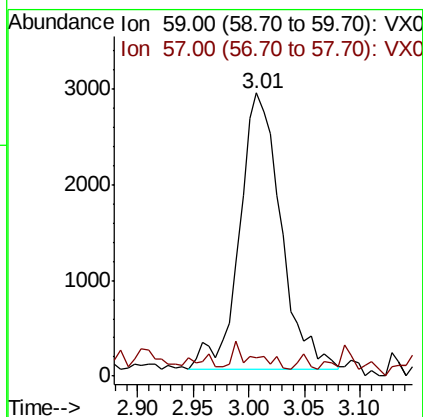
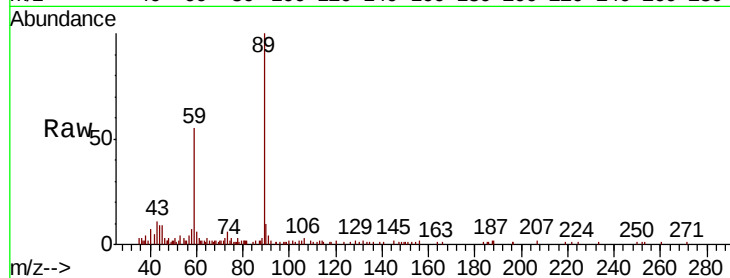




#11
Tert butyl alcohol
Concen: 7.582 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

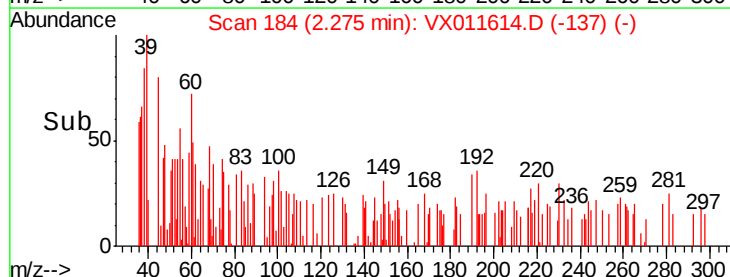
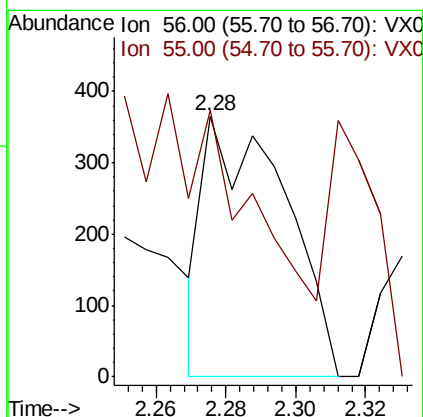
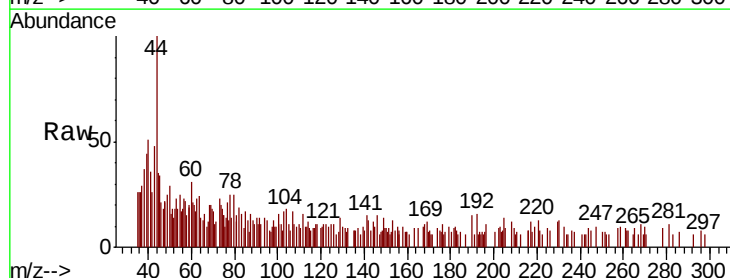
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(0)

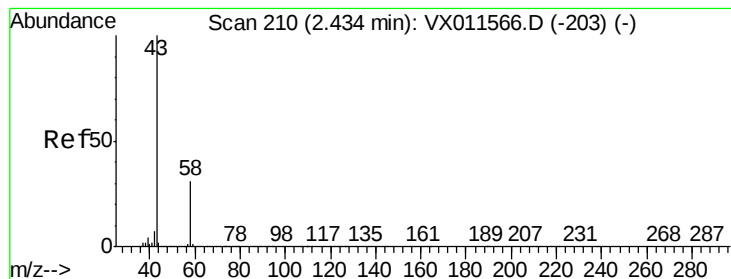
Tgt Ion: 59 Resp: 7515
Ion Ratio Lower Upper
59 100
57 2.8 8.7 13.1#



#13
Acrolein
Concen: 14.027 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.01 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

Tgt Ion: 56 Resp: 591
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#





#16

Acetone

Concen: 5.220 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011614.D

Acq: 17 Aug 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

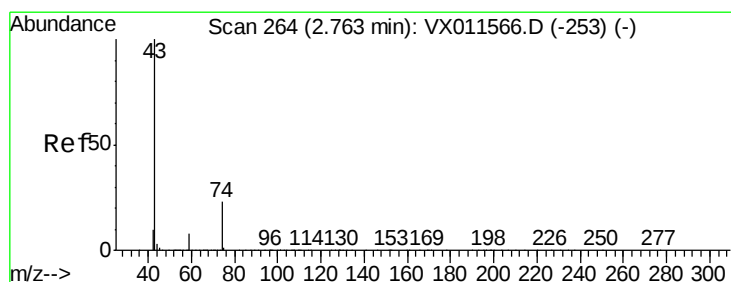
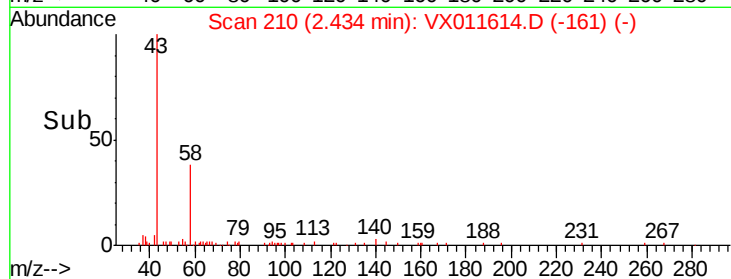
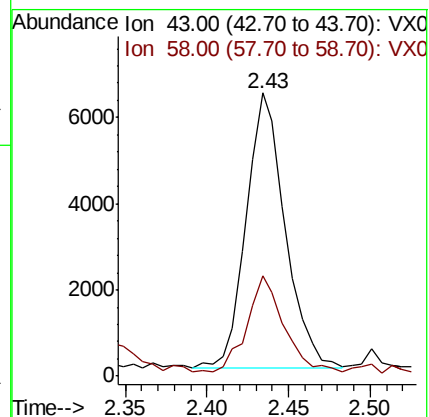
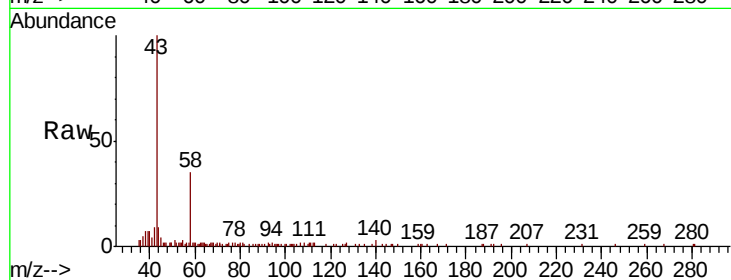
R1-R2-(0)

Tgt Ion: 43 Resp: 10605

Ion Ratio Lower Upper

43 100

58 34.6 25.2 37.8



#18

Methyl Acetate

Concen: 0.984 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011614.D

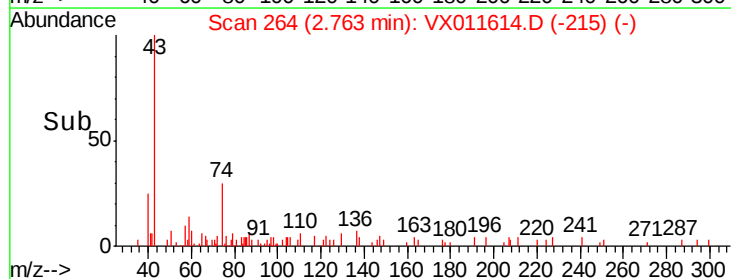
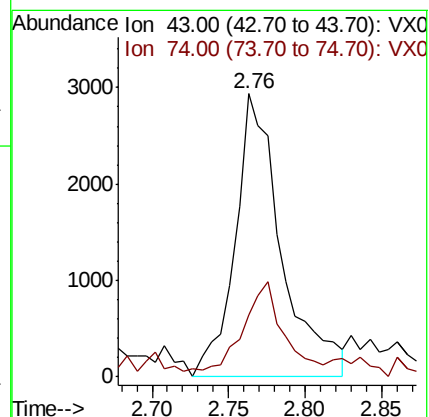
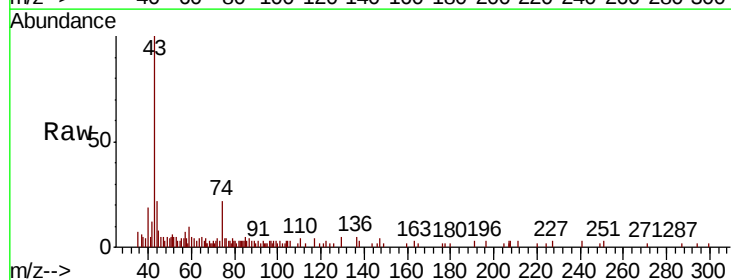
Acq: 17 Aug 2019 05:19

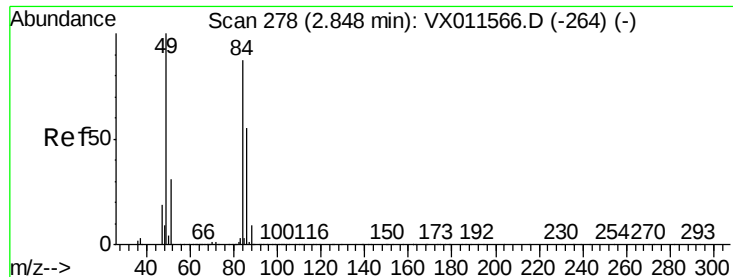
Tgt Ion: 43 Resp: 6200

Ion Ratio Lower Upper

43 100

74 25.1 19.7 29.5

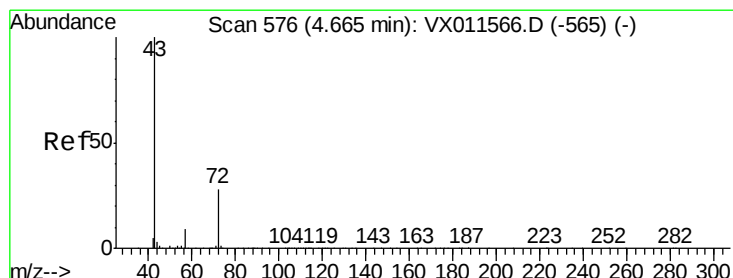
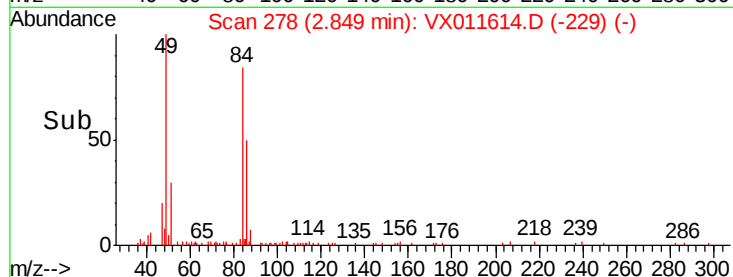
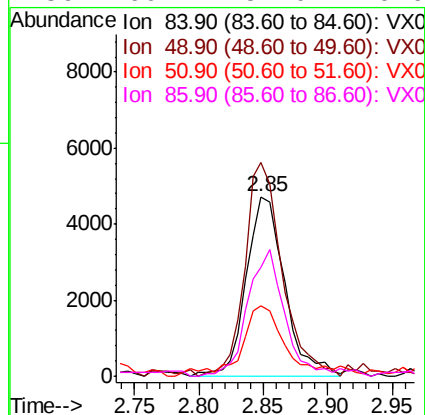
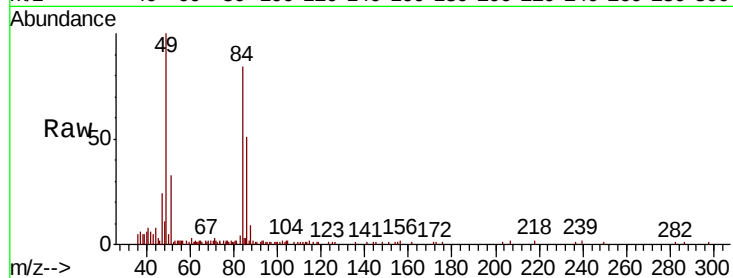




#20
Methylene Chloride
Concen: 2.288 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

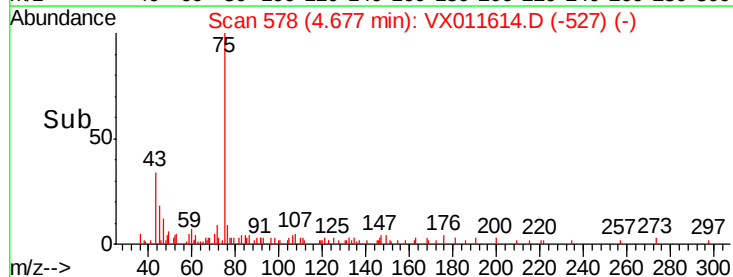
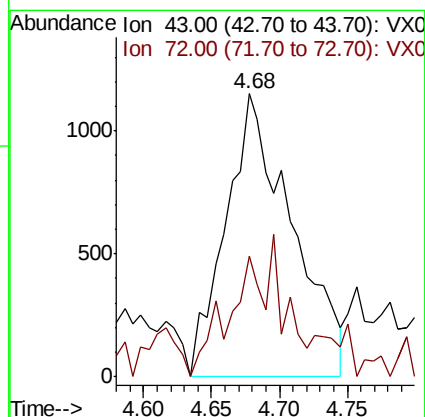
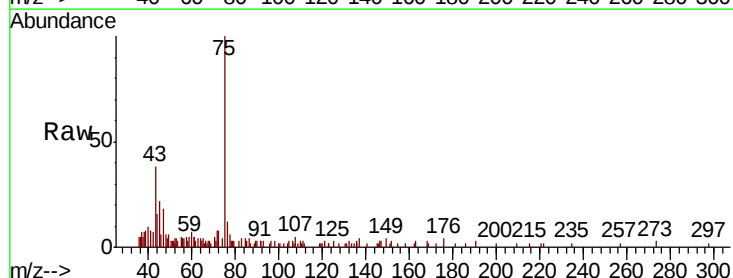
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(0)

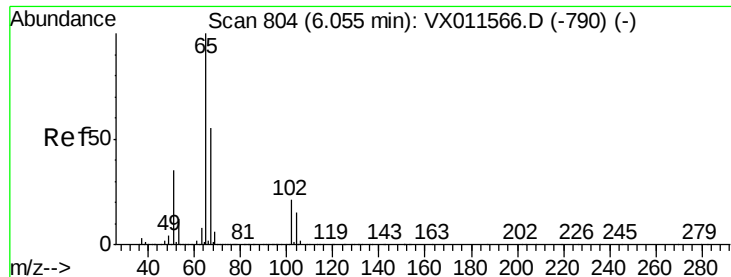
Tgt Ion:	84	Resp:	9760
Ion	Ratio	Lower	Upper
84	100		
49	118.8	92.4	138.6
51	34.7	28.5	42.7
86	60.2	51.0	76.6



#25
2-Butanone
Concen: 1.220 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

Tgt Ion:	43	Resp:	3892
Ion	Ratio	Lower	Upper
43	100		
72	42.7	22.2	33.4#





#33

1,2-Dichloroethane-d4

Concen: 51.273 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011614.D

Acq: 17 Aug 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

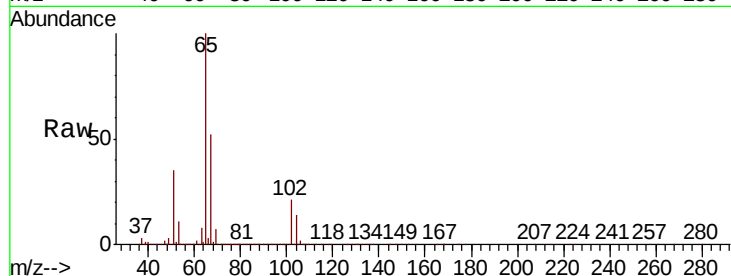
R1-R2-(0)

Tgt Ion: 65 Resp: 207154

Ion Ratio Lower Upper

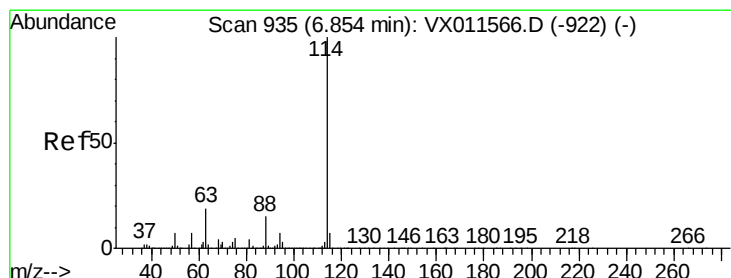
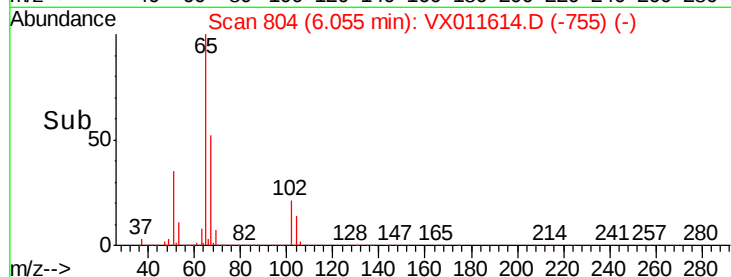
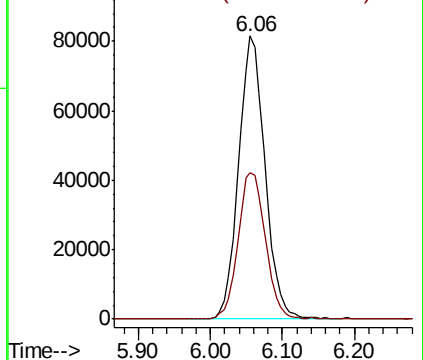
65 100

67 53.2 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011614.D

Acq: 17 Aug 2019 05:19

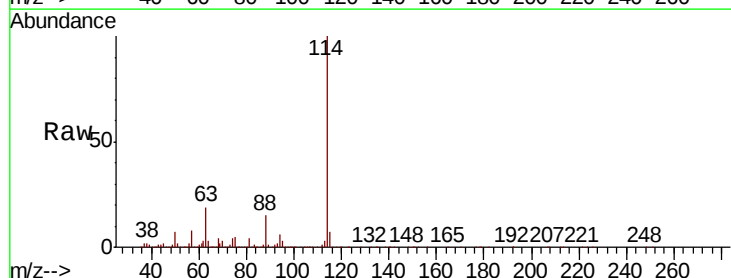
Tgt Ion: 114 Resp: 597897

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.8

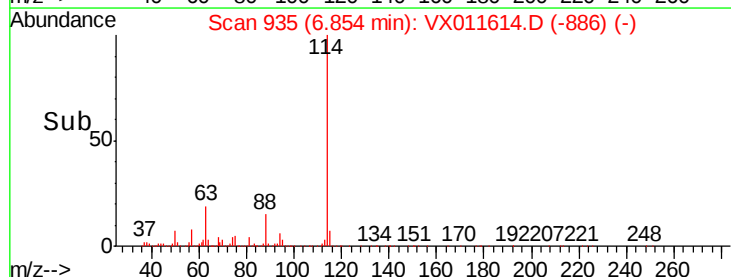
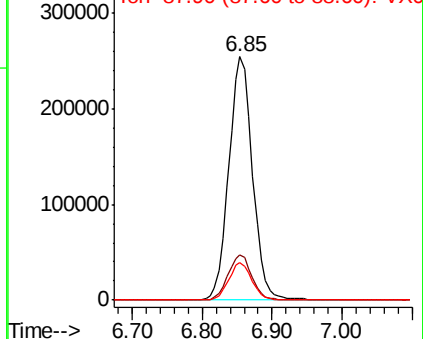
88 15.2 0.0 30.2

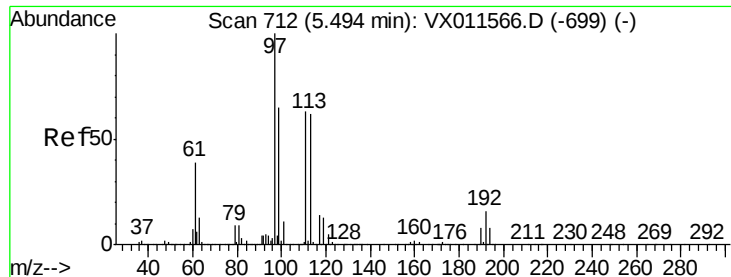


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.730 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011614.D

Acq: 17 Aug 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

R1-R2-(0)

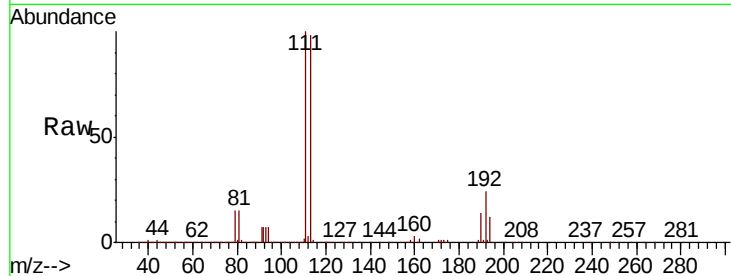
Tgt Ion:113 Resp: 178834

Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

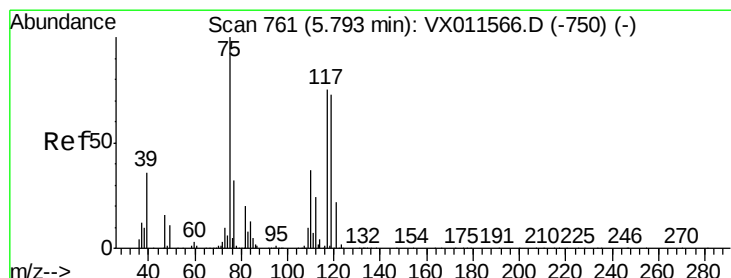
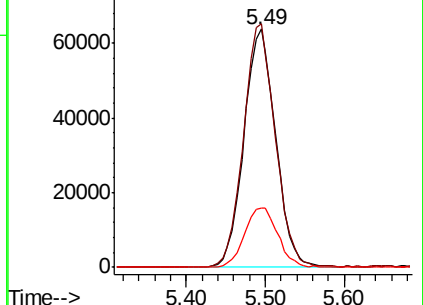
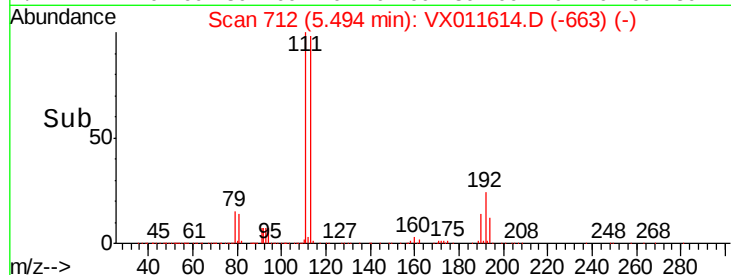
192 26.2 20.8 31.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.737 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011614.D

Acq: 17 Aug 2019 05:19

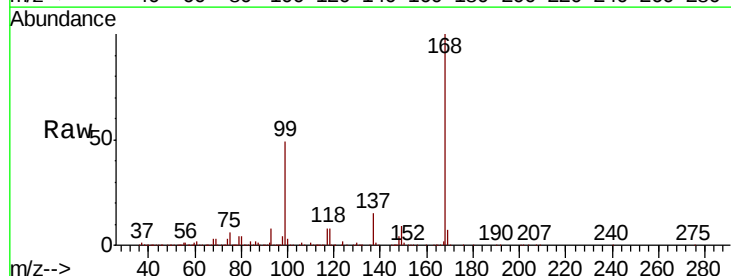
Tgt Ion: 75 Resp: 24215

Ion Ratio Lower Upper

75 100

110 0.0 19.4 58.1#

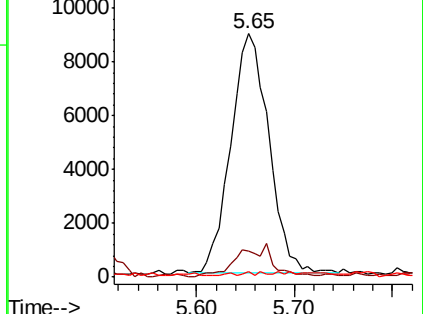
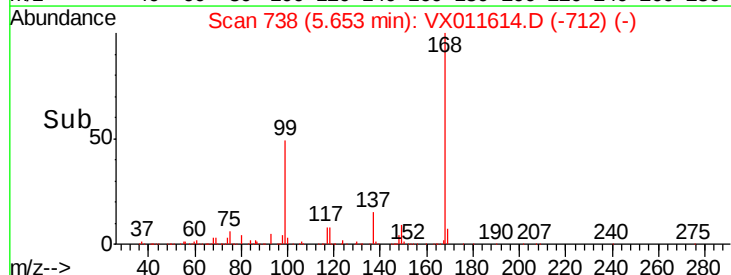
77 0.3 25.1 37.7#

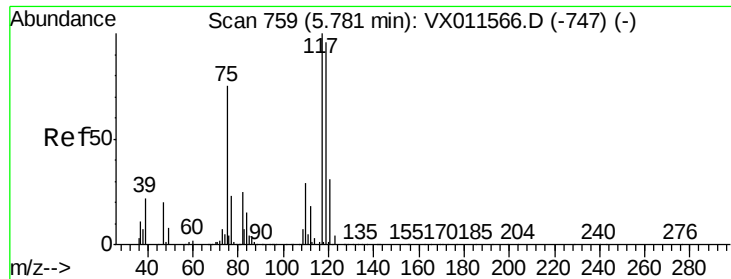


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

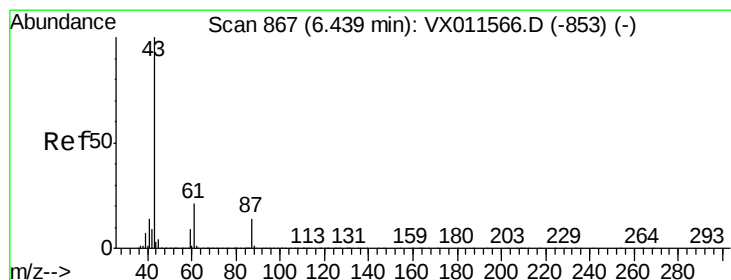
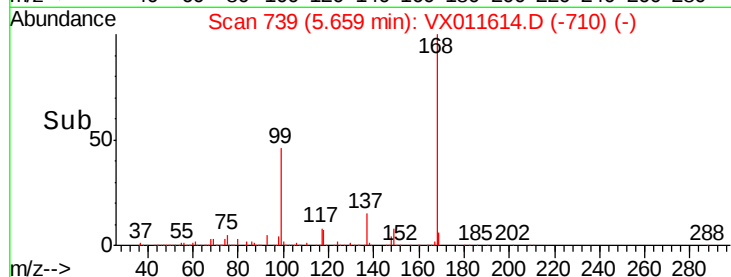
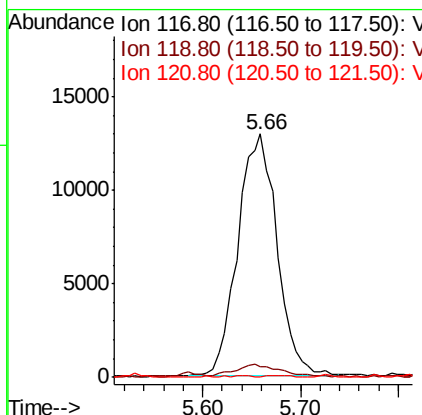
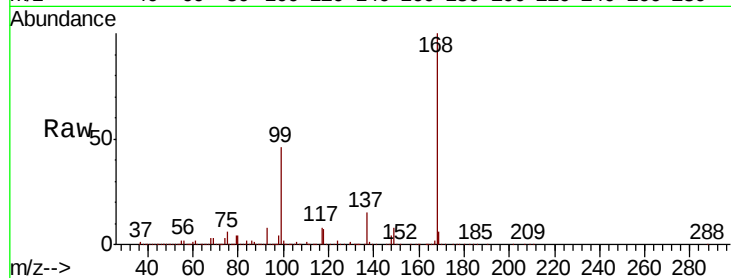




#38
Carbon Tetrachloride
Concen: 6.412 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

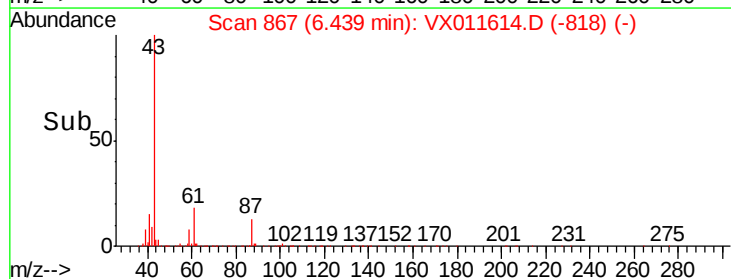
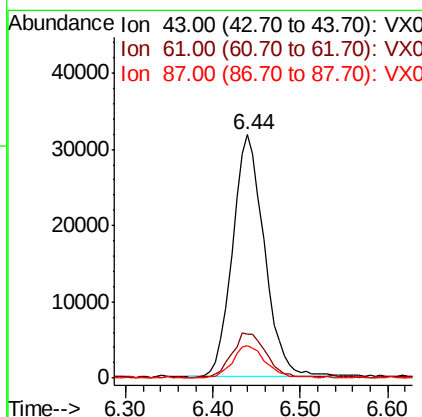
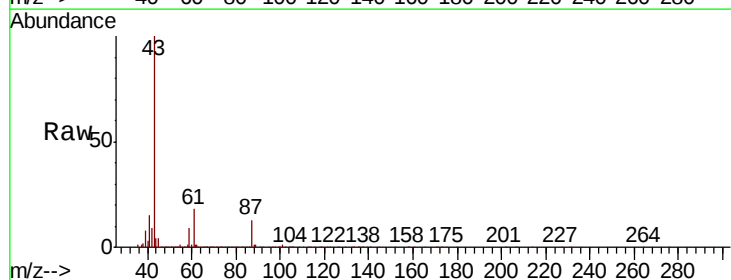
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(0)

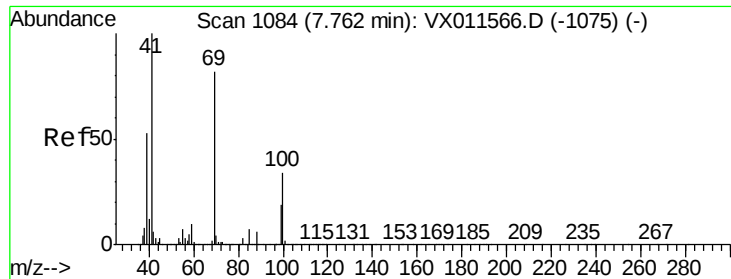
Tgt Ion:117 Resp: 36110
Ion Ratio Lower Upper
117 100
119 4.1 76.9 115.3#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 8.766 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

Tgt Ion: 43 Resp: 80437
Ion Ratio Lower Upper
43 100
61 20.4 16.6 24.8
87 14.1 11.4 17.2

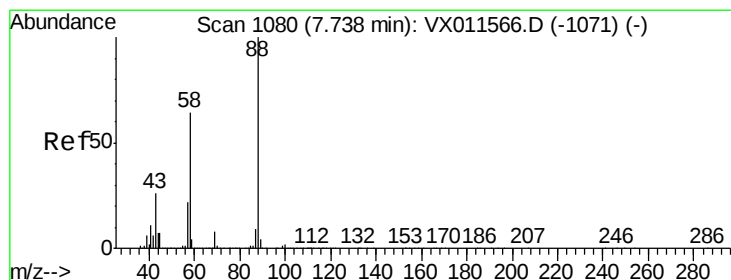
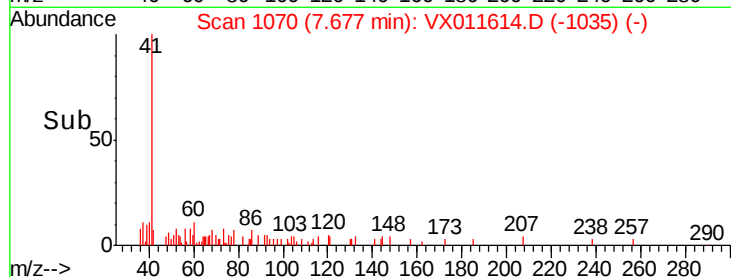
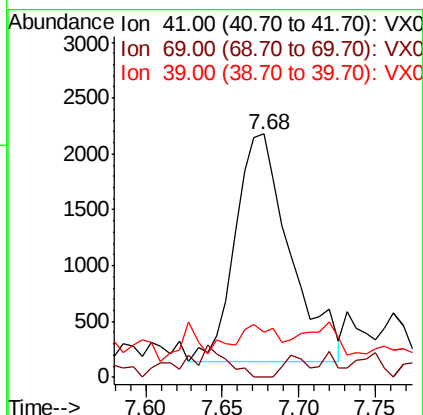
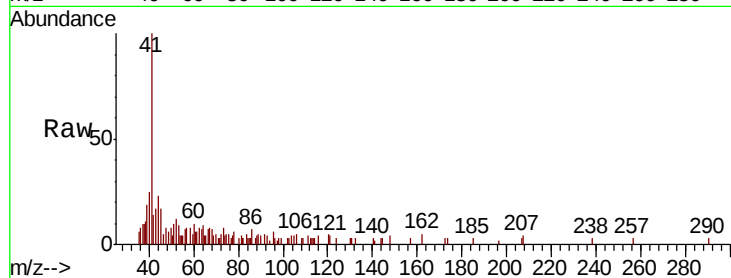




#48
Methyl methacrylate
Concen: 1.106 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

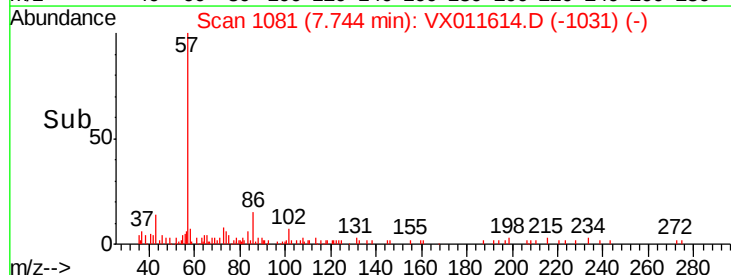
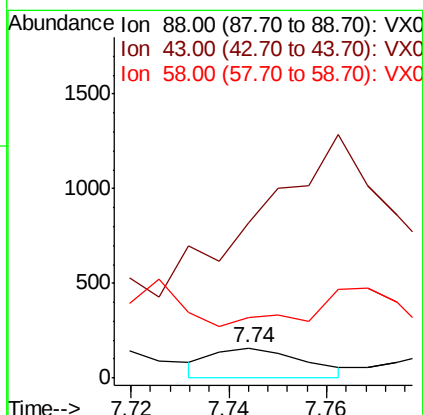
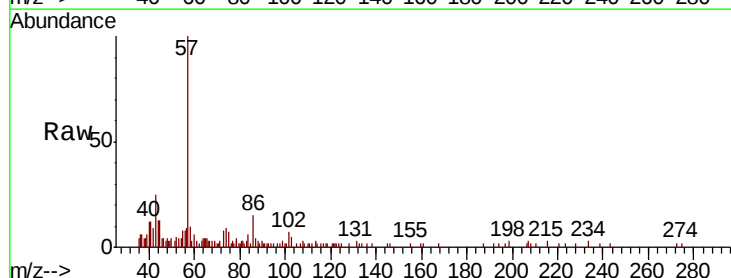
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(0)

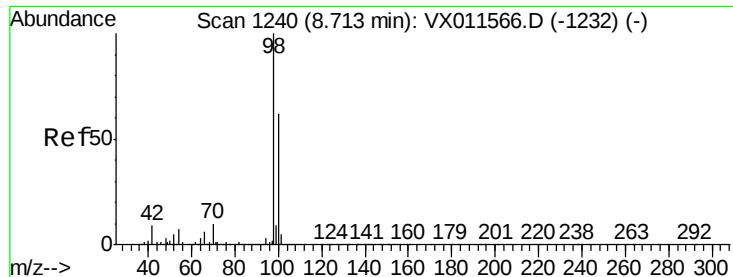
Tgt Ion: 41 Resp: 5024
Ion Ratio Lower Upper
41 100
69 4.0 67.9 101.9#
39 0.0 41.6 62.4#



#49
1,4-Dioxane
Concen: 1.704 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

Tgt Ion: 88 Resp: 206
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.0#
58 0.0 54.3 81.5#

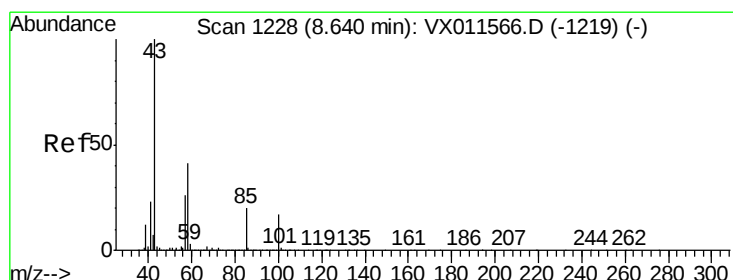
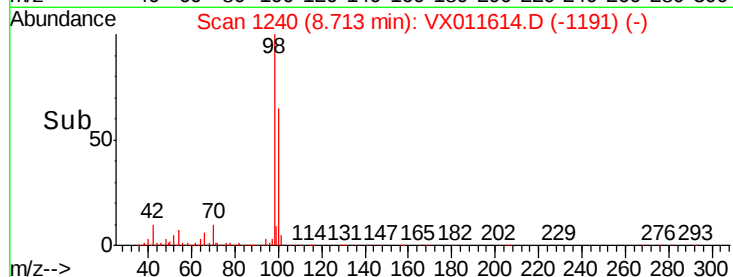
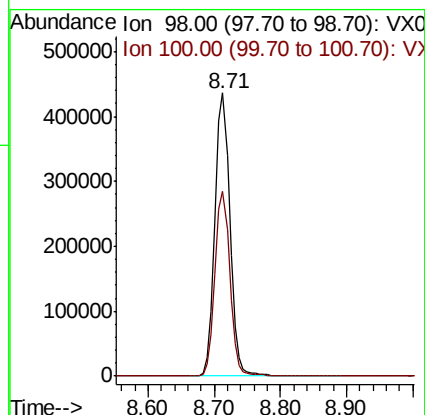
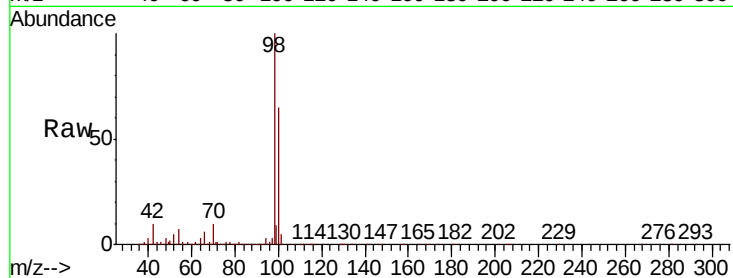




#50
Toluene-d8
Concen: 56.327 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

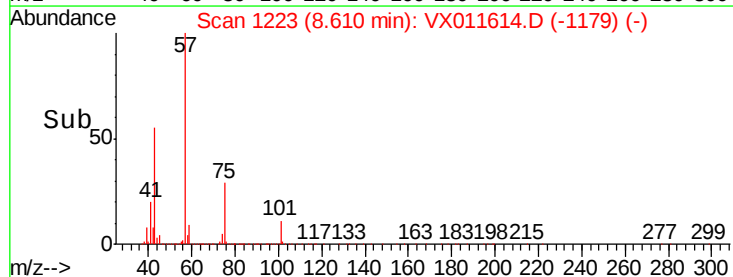
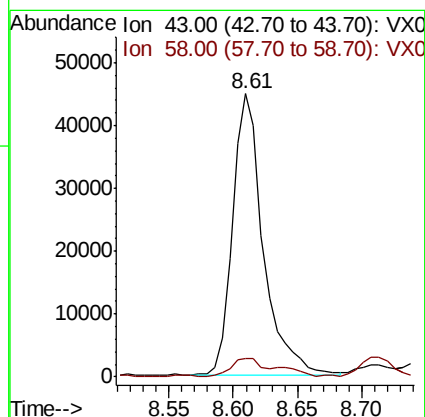
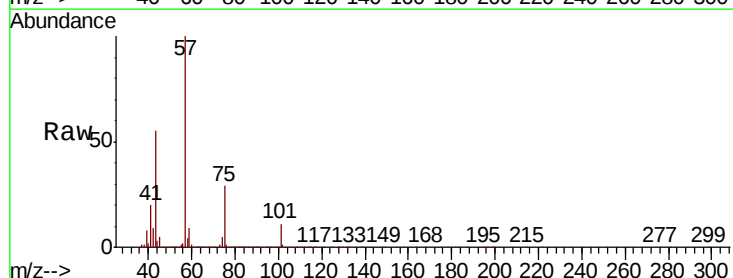
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(0)

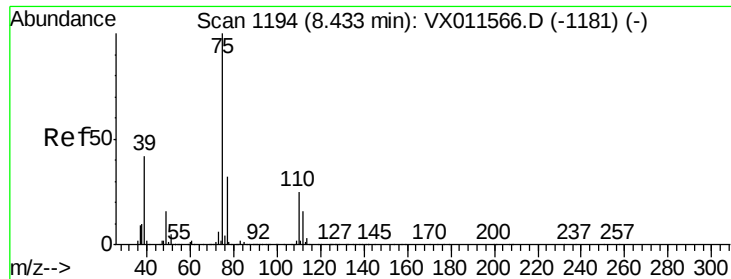
Tgt Ion: 98 Resp: 686343
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 12.347 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

Tgt Ion: 43 Resp: 74158
Ion Ratio Lower Upper
43 100
58 6.2 31.8 47.6#





#54

cis-1,3-Dichloropropene

Concen: 5.866 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011614.D

Acq: 17 Aug 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

R1-R2-(0)

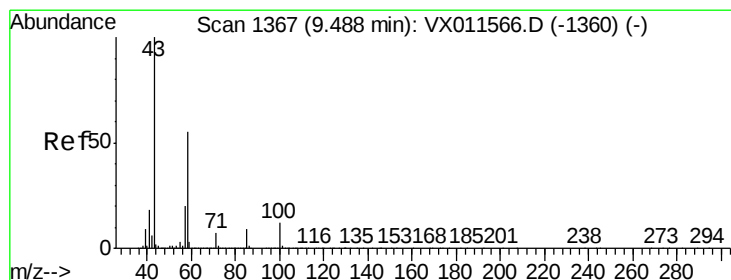
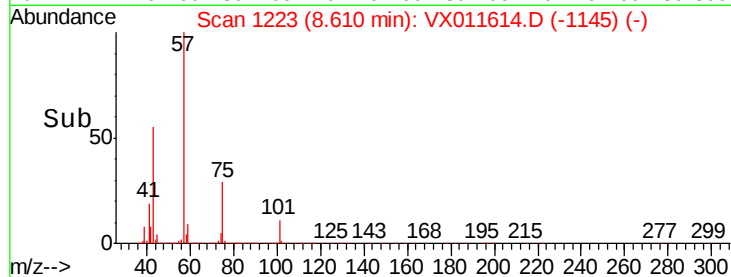
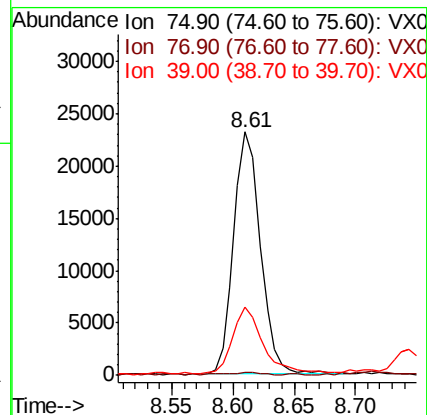
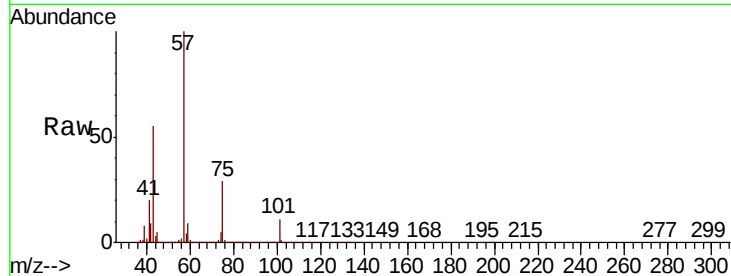
Tgt Ion: 75 Resp: 35218

Ion Ratio Lower Upper

75 100

77 0.5 25.5 38.3#

39 27.8 33.6 50.4#



#59

2-Hexanone

Concen: 19.539 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.05 min

Lab File: VX011614.D

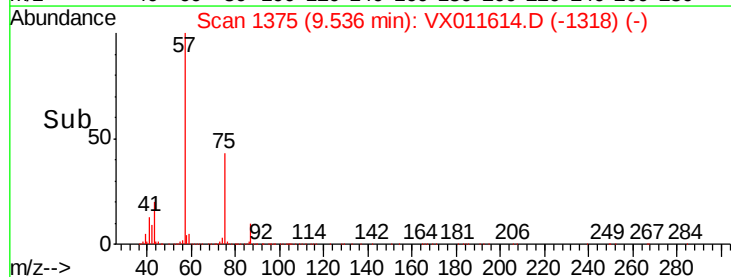
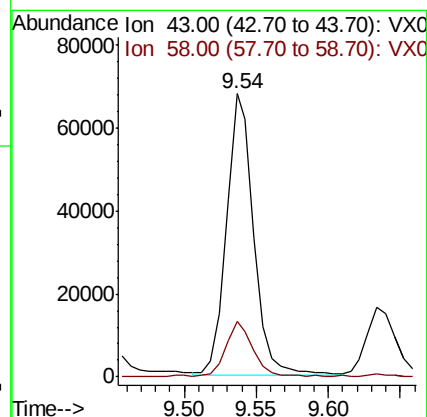
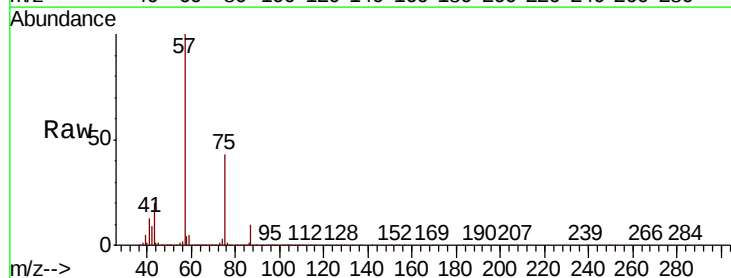
Acq: 17 Aug 2019 05:19

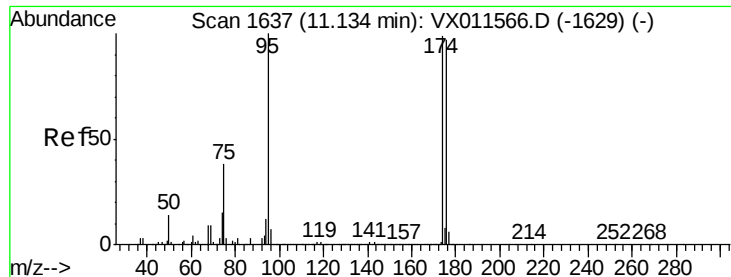
Tgt Ion: 43 Resp: 90496

Ion Ratio Lower Upper

43 100

58 19.0 27.5 82.4#

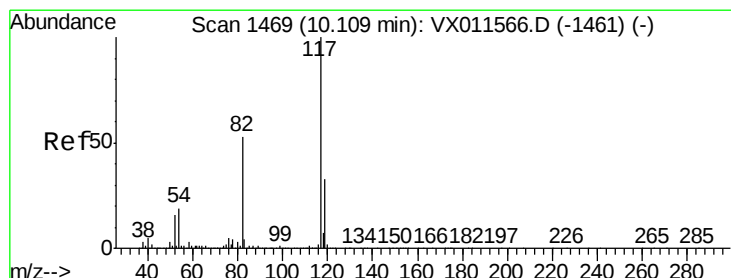
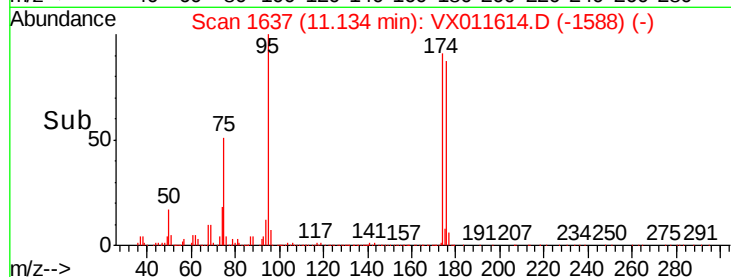
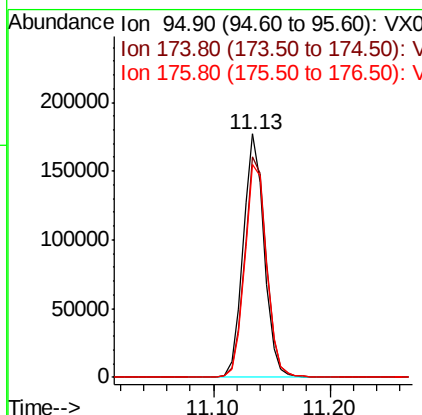
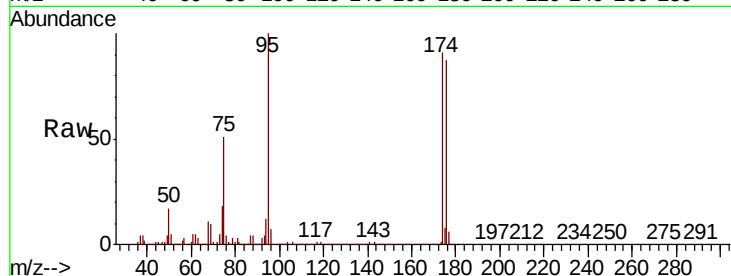




#62
4-Bromofluorobenzene
Concen: 43.240 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

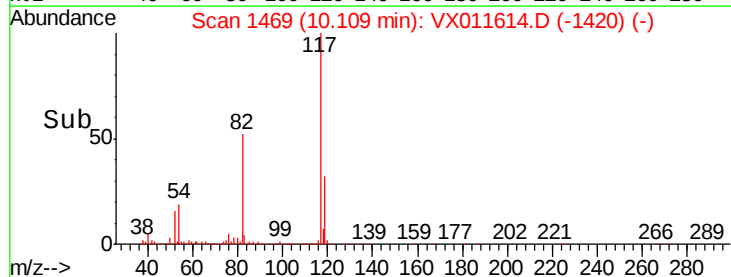
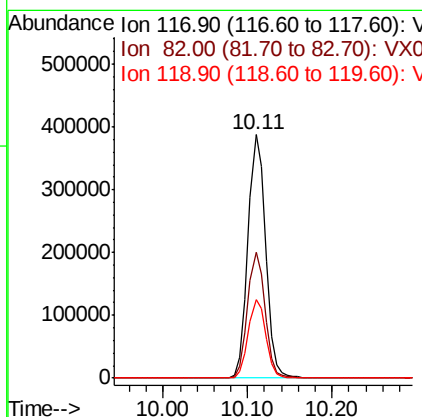
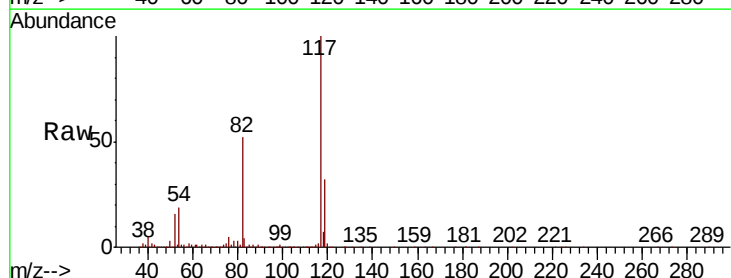
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(0)

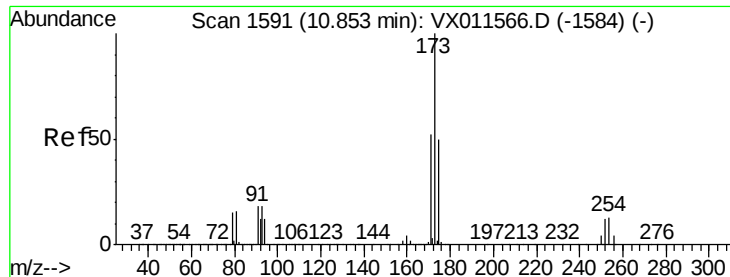
Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	200.6
176	92.0	0.0	196.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.0	63.0
119	32.5	26.5	39.7





#71

Bromoform

Concen: 3.319 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX011614.D

Acq: 17 Aug 2019 05:19

Instrument :

MSVOA_X

ClientSampleId :

R1-R2-(0)

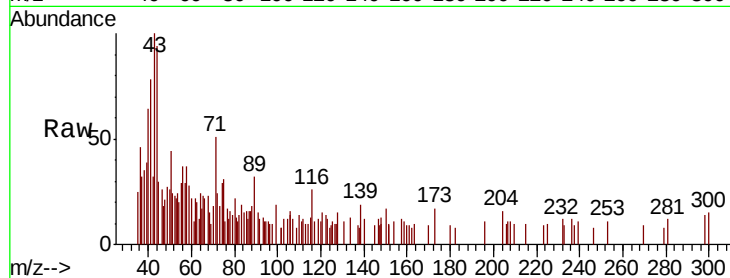
Tgt Ion:173 Resp: 124

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

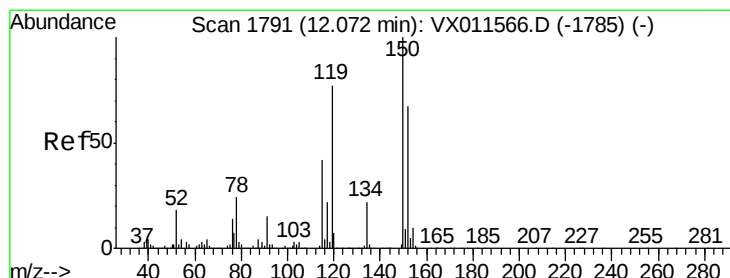
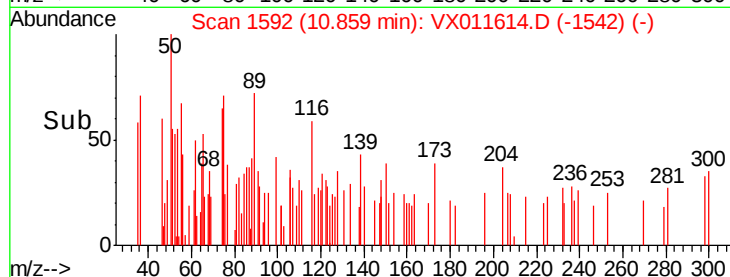
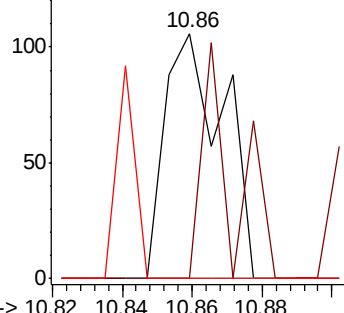
254 27.4 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX011614.D

Acq: 17 Aug 2019 05:19

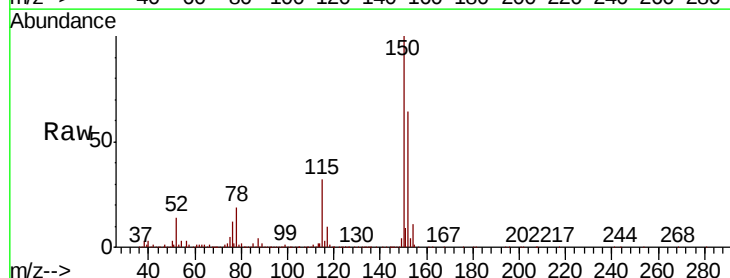
Tgt Ion:152 Resp: 266676

Ion Ratio Lower Upper

152 100

115 53.4 37.3 111.9

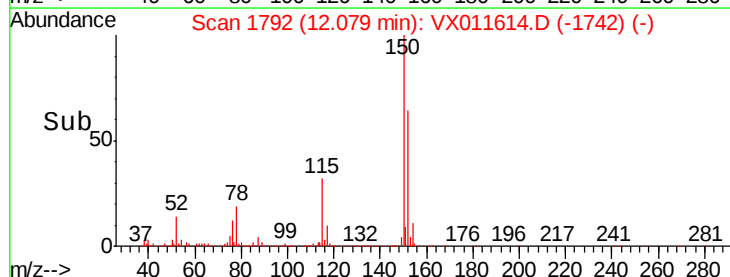
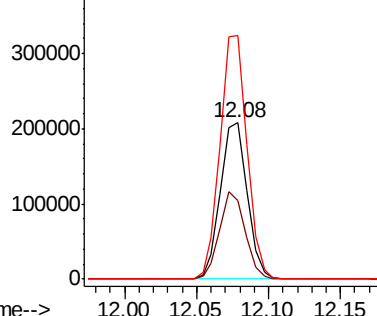
150 156.6 0.0 346.2

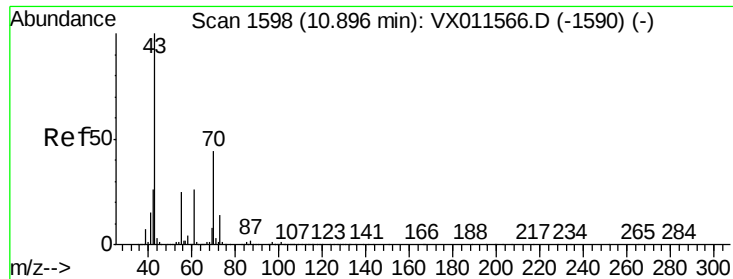


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

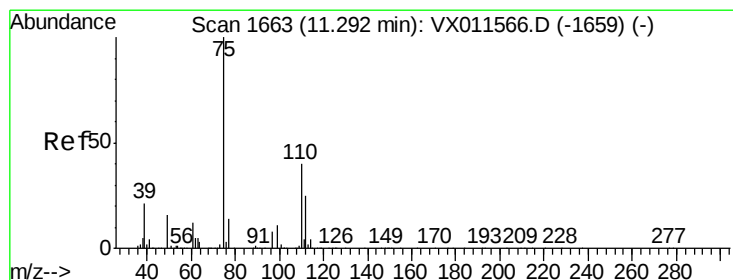
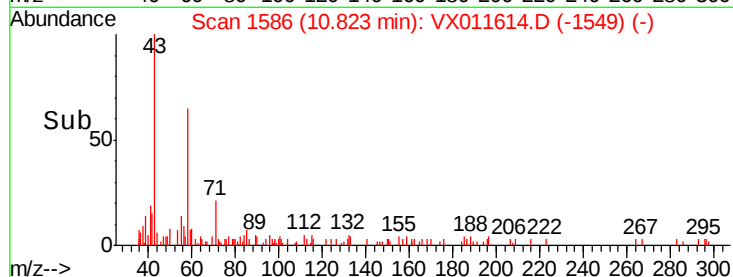
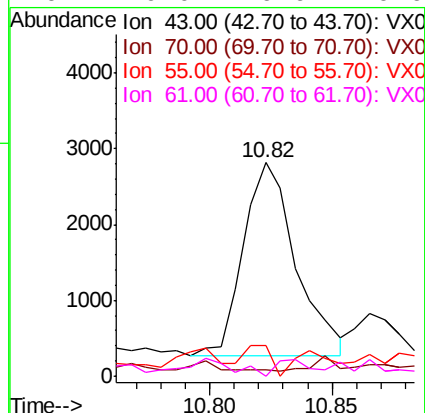
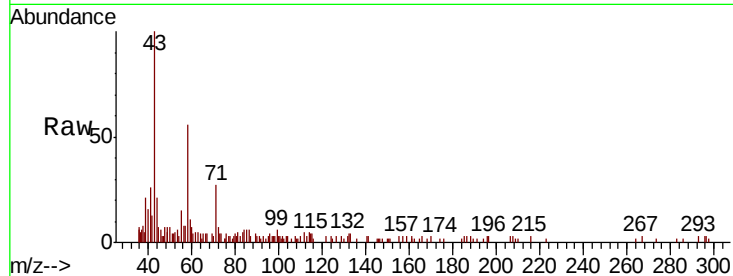




#74
N-ethyl acetate
Concen: 0.518 ug/l
RT: 10.82 min Scan# 1586
Delta R.T. -0.07 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

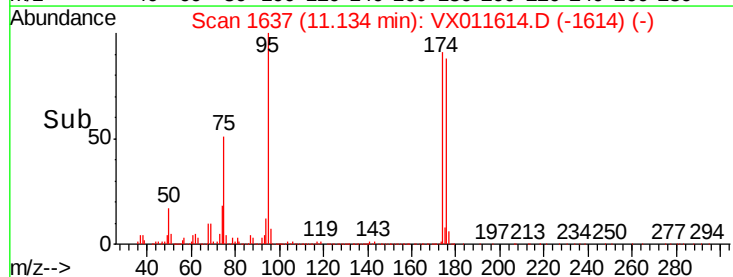
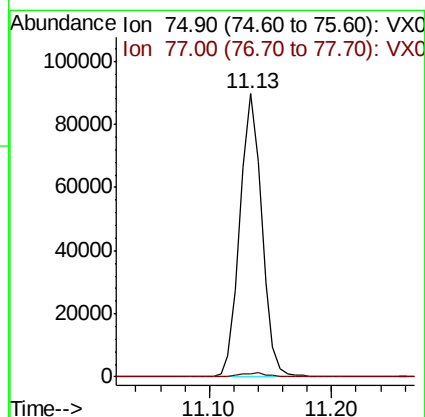
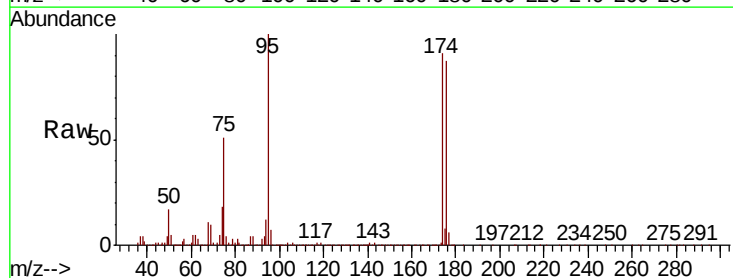
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(0)

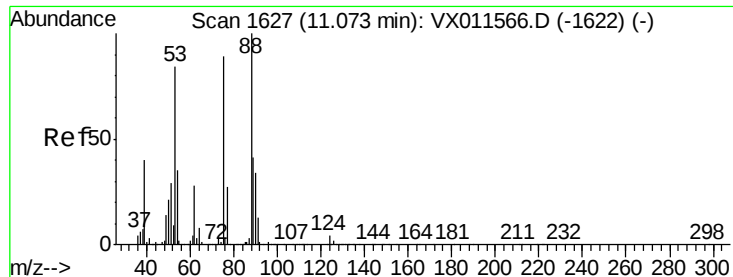
Tgt Ion:	43	Resp:	3812
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.7	52.1#
55	7.8	19.6	29.4#
61	0.0	19.9	29.9#



#76
1,2,3-Trichloropropane
Concen: 21.893 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

Tgt Ion:	75	Resp:	110706
Ion	Ratio	Lower	Upper
75	100		
77	1.8	20.9	62.8#

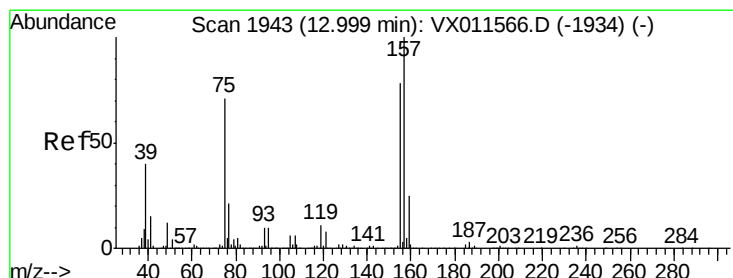
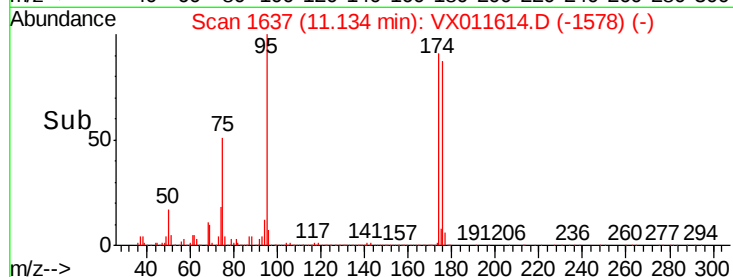
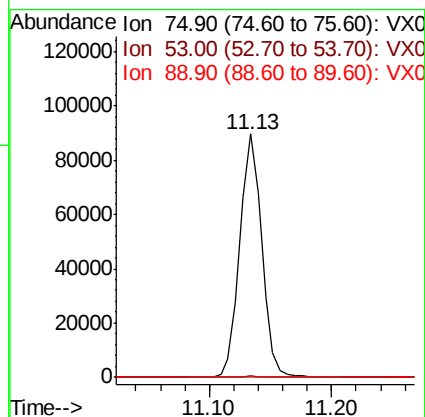
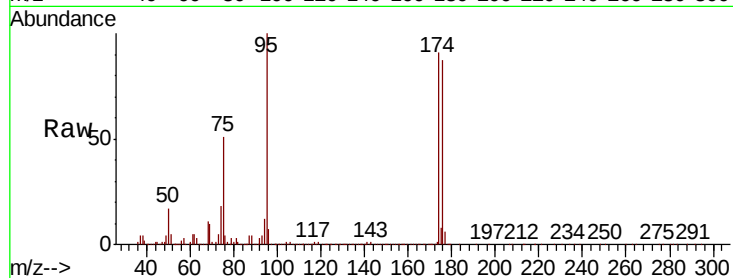




#81
trans-1,4-Dichloro-2-butene
Concen: 58.471 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(0)

Tgt Ion: 75 Resp: 110706
Ion Ratio Lower Upper
75 100
53 0.1 77.4 116.0#
89 0.1 37.3 55.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.252 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX011614.D
Acq: 17 Aug 2019 05:19

Tgt Ion: 75 Resp: 343
Ion Ratio Lower Upper
75 100
155 7.9 53.0 159.0#
157 0.0 68.3 205.1#

