

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
 Data File : VX011615.D
 Acq On : 17 Aug 2019 05:42
 Operator : JC/SP
 Sample : K4265-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 R1-R2-(4.3)

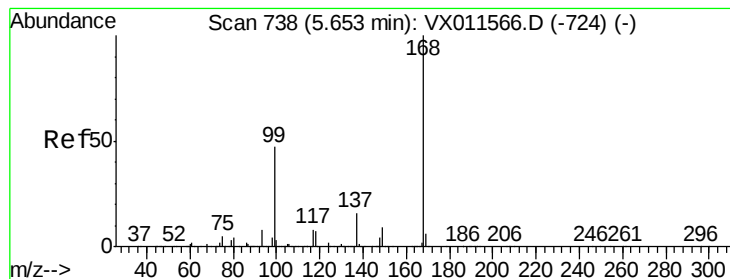
Quant Time: Aug 19 01:20:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	442049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	608523	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	549017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	270416	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	208079	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	5.49	113	179415	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	
50) Toluene-d8	8.71	98	699565	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	
62) 4-Bromofluorobenzene	11.13	95	248056	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	8266	8.219	ug/l #	71
13) Acrolein	2.27	56	271	13.017	ug/l #	72
16) Acetone	2.43	43	13117	6.364	ug/l	94
18) Methyl Acetate	2.77	43	4467	0.699	ug/l #	89
20) Methylene Chloride	2.85	84	4580	1.058	ug/l	94
25) 2-Butanone	4.68	43	2424	0.749	ug/l #	63
36) 1,1-Dichloropropene	5.66	75	24725	4.752	ug/l #	52
38) Carbon Tetrachloride	5.65	117	37221	6.493	ug/l #	15
43) Isopropyl Acetate	6.44	43	74155	7.940	ug/l	99
48) Methyl methacrylate	7.68	41	5348	1.156	ug/l #	17
49) 1,4-Dioxane	7.77	88	138	1.122	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	70231	11.489	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	33158	5.426	ug/l #	64
59) 2-Hexanone	9.54	43	79994	16.970	ug/l #	52
71) Bromoform	10.87	173	74	3.308	ug/l #	28
74) N-amyl acetate	10.82	43	3284	0.440	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	113580	22.150	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	113580	59.106	ug/l #	11

(#) = 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

Lab File: VX011615.D

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MSVOA_X

ClientSampleId :

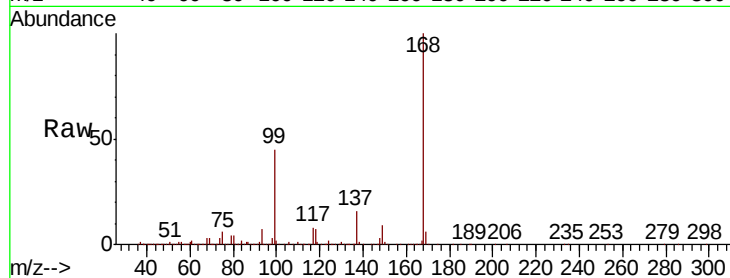
R1-R2-(4.3)

Tgt Ion:168 Resp: 442049

Ion Ratio Lower Upper

168 100

99 44.7 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

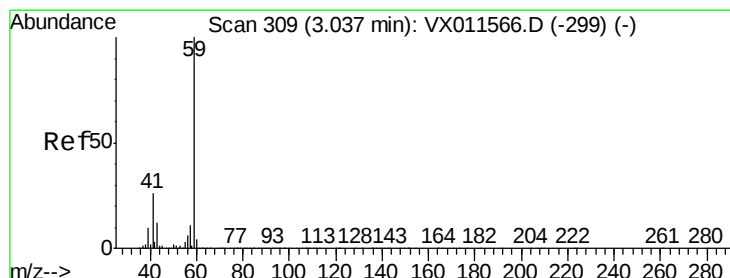
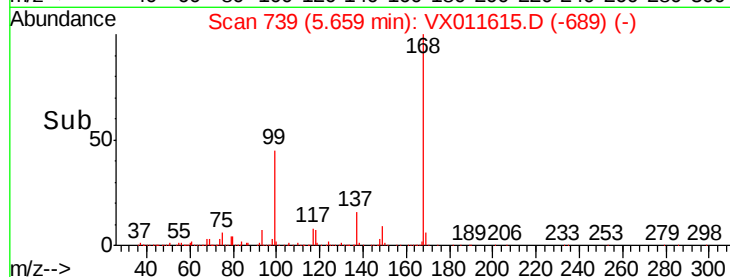
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 8.219 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011615.D

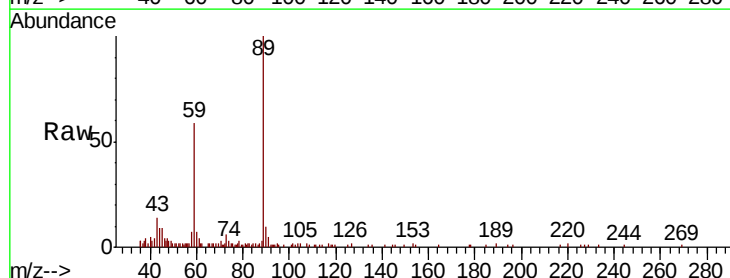
Acq: 17 Aug 2019 05:42

Tgt Ion: 59 Resp: 8266

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

4000

3000

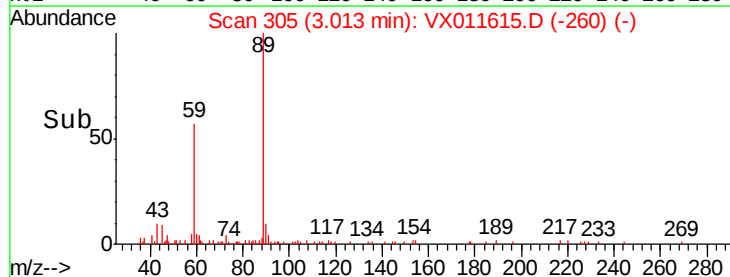
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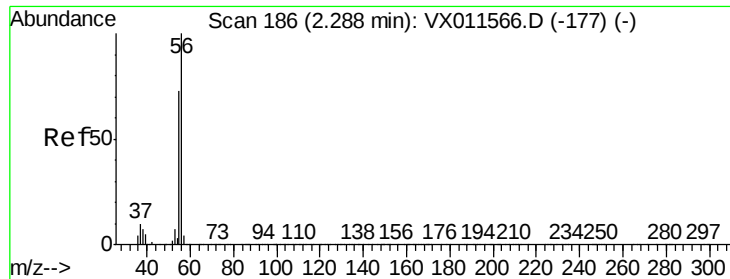
1000

0

Time-->

2.90 2.95 3.00 3.05 3.10

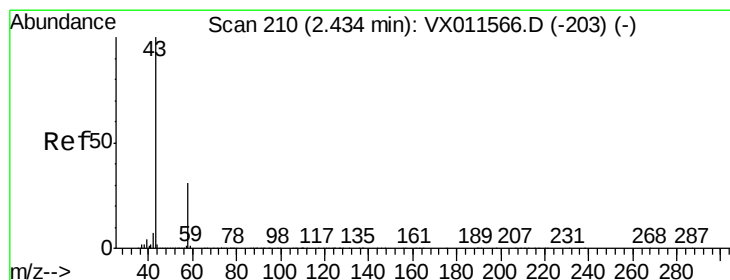
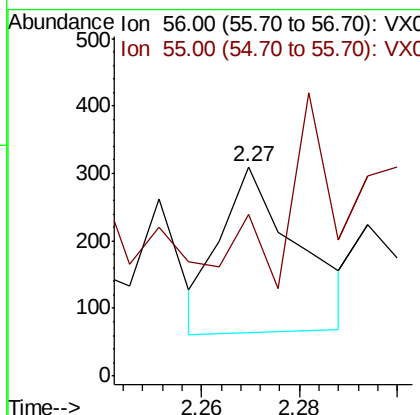
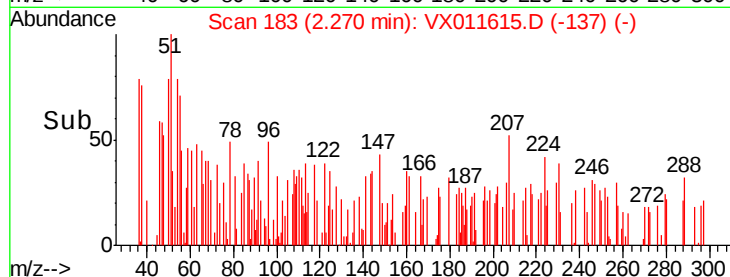
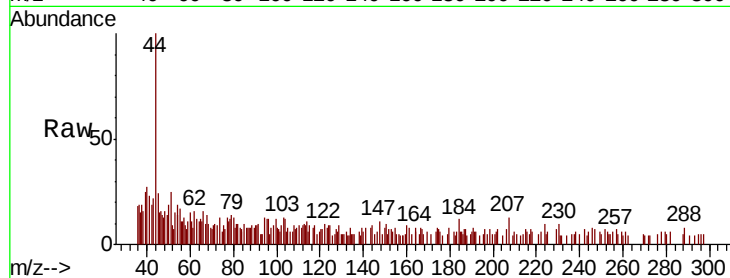




#13
Acrolein
Concen: 13.017 ug/l
RT: 2.27 min Scan# 183
Delta R.T. -0.02 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

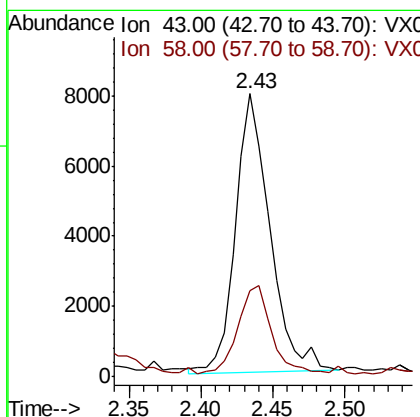
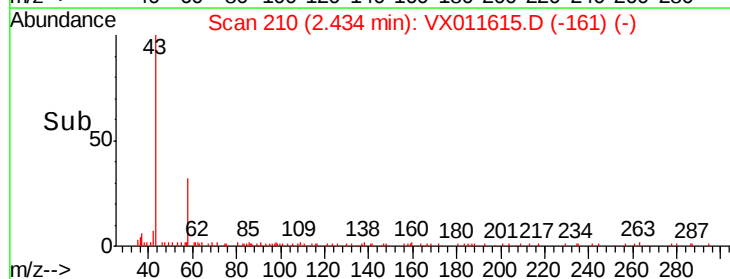
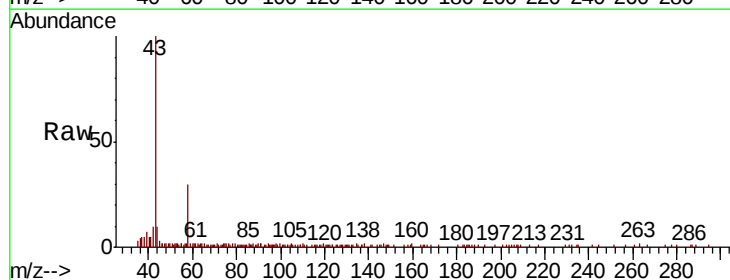
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(4.3)

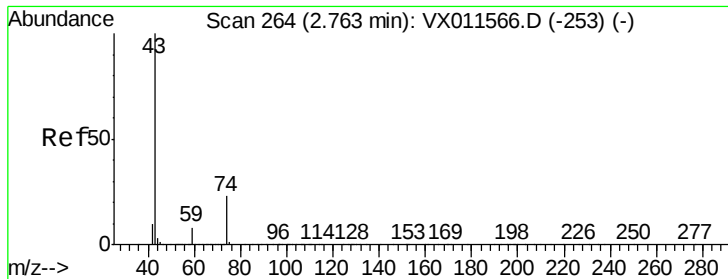
Tgt Ion: 56 Resp: 271
Ion Ratio Lower Upper
56 100
55 46.1 55.5 83.3#



#16
Acetone
Concen: 6.364 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

Tgt Ion: 43 Resp: 13117
Ion Ratio Lower Upper
43 100
58 27.9 25.2 37.8

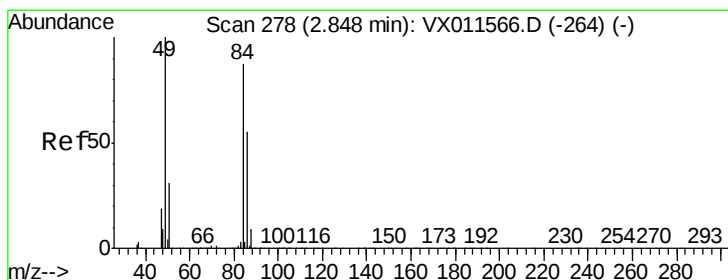
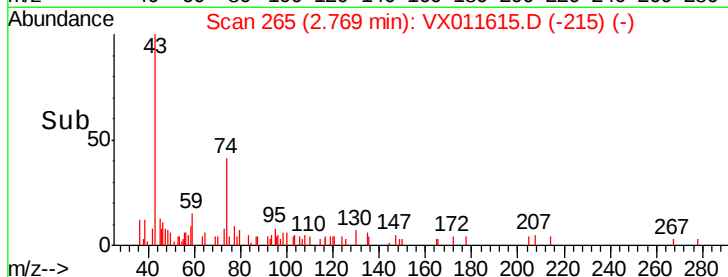
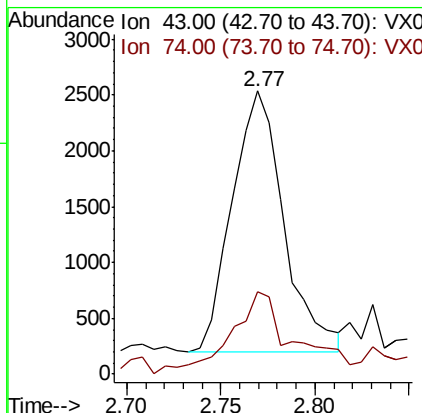
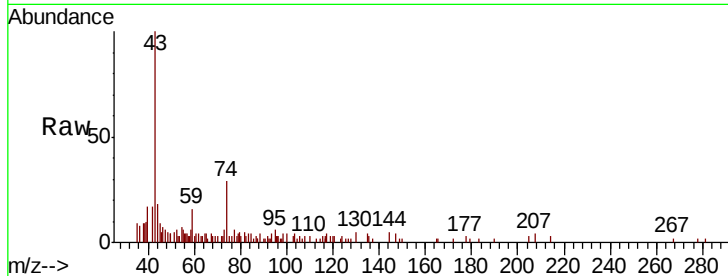




#18
Methyl Acetate
Concen: 0.699 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

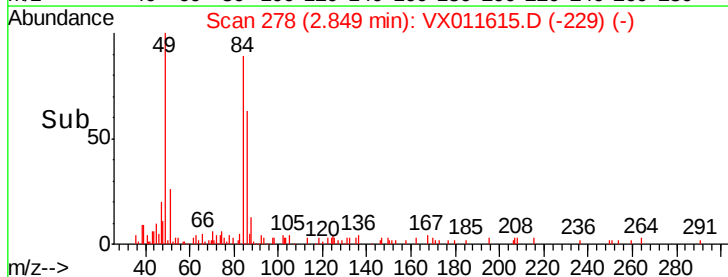
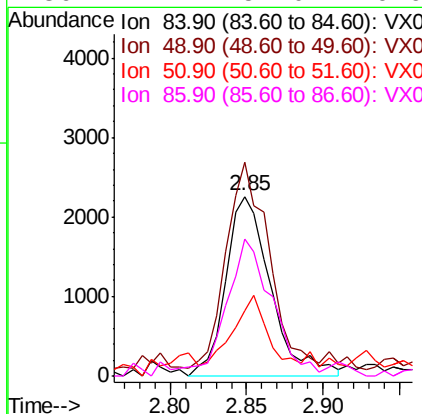
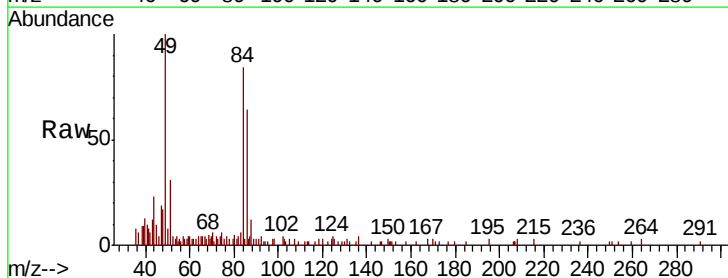
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(4.3)

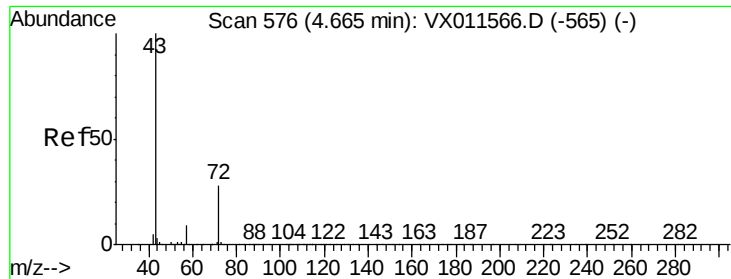
Tgt Ion: 43 Resp: 4467
Ion Ratio Lower Upper
43 100
74 30.1 19.7 29.5#



#20
Methylene Chloride
Concen: 1.058 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

Tgt Ion: 84 Resp: 4580
Ion Ratio Lower Upper
84 100
49 111.9 92.4 138.6
51 30.0 28.5 42.7
86 71.4 51.0 76.6

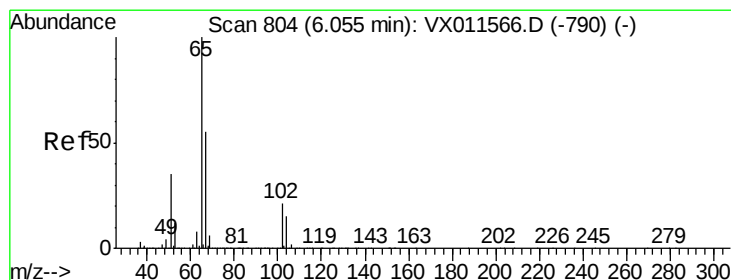
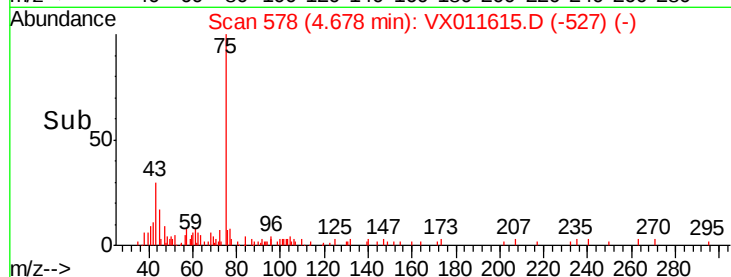
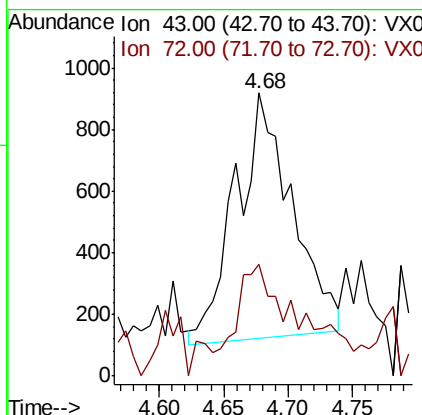
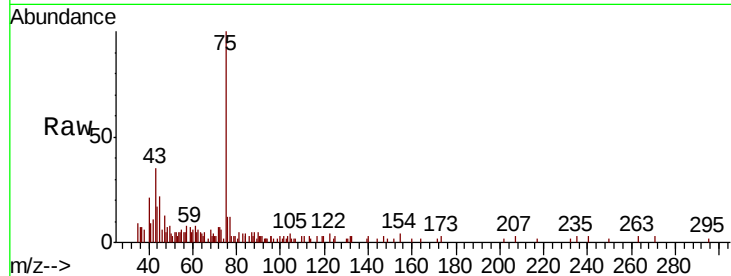




#25
2-Butanone
Concen: 0.749 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

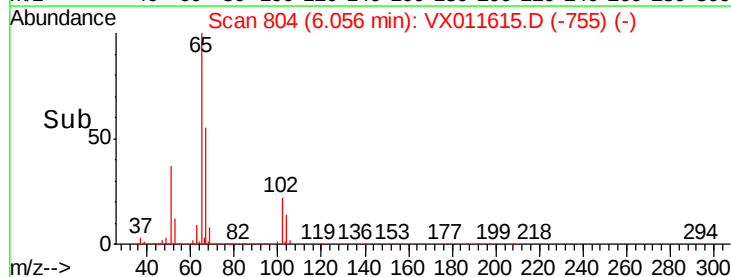
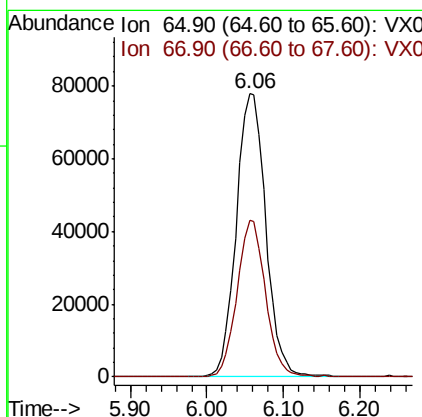
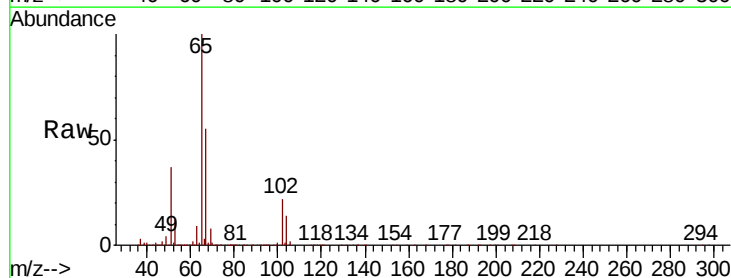
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(4.3)

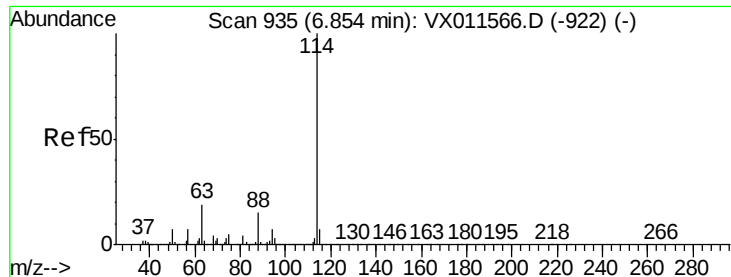
Tgt Ion: 43 Resp: 2424
Ion Ratio Lower Upper
43 100
72 47.0 22.2 33.4#



#33
1,2-Dichloroethane-d4
Concen: 50.758 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

Tgt Ion: 65 Resp: 208079
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011615.D

Acq: 17 Aug 2019 05:42

Instrument :

MSVOA_X

ClientSampleId :

R1-R2-(4.3)

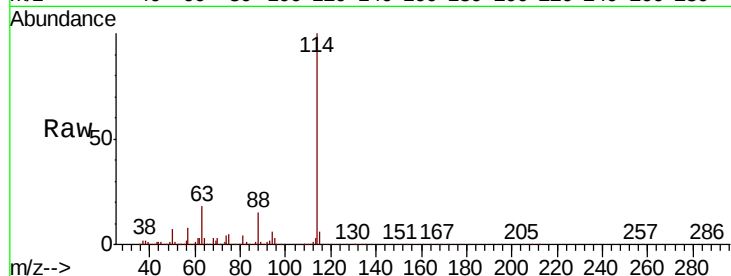
Tgt Ion:114 Resp: 608523

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.8

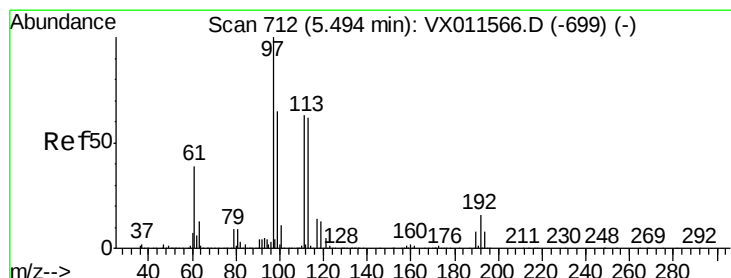
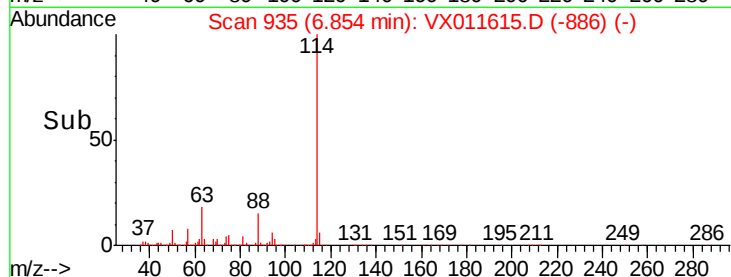
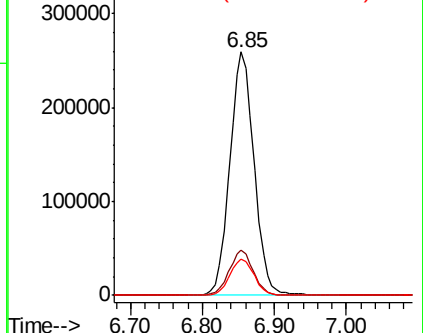
88 15.1 0.0 30.2



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: 45.078 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011615.D

Acq: 17 Aug 2019 05:42

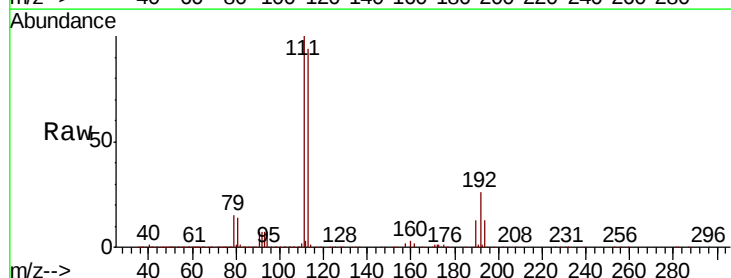
Tgt Ion:113 Resp: 179415

Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

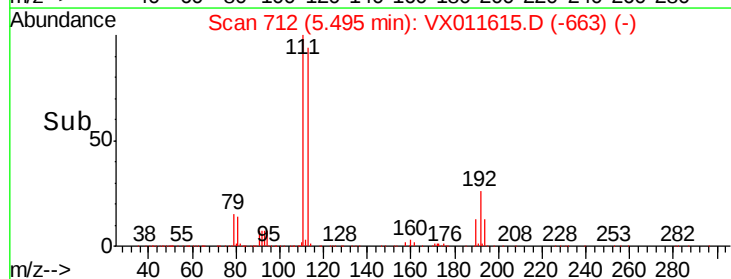
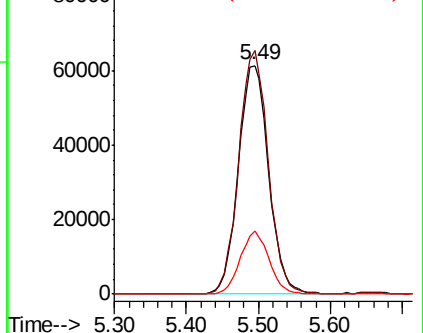
192 26.1 20.8 31.2

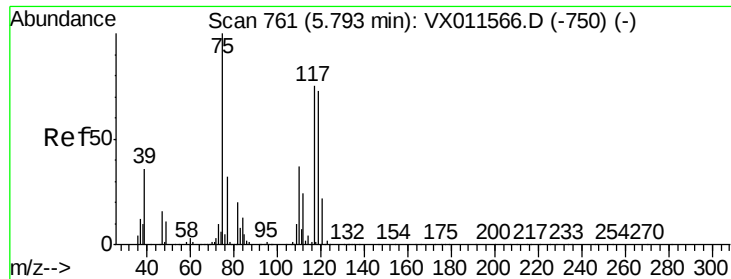


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

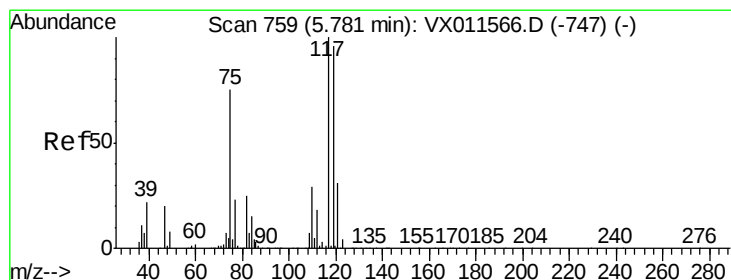
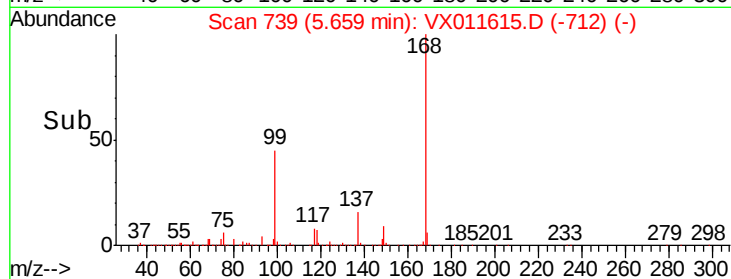
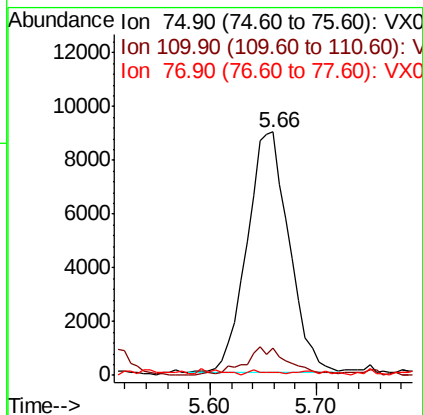
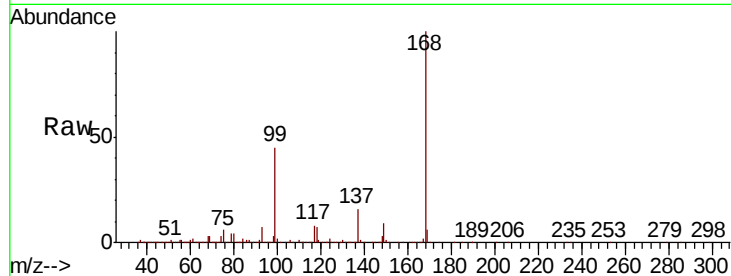




#36
 1,1-Dichloropropene
 Concen: 4.752 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011615.D
 Acq: 17 Aug 2019 05:42

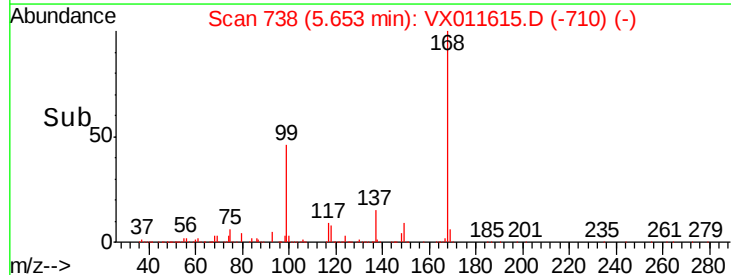
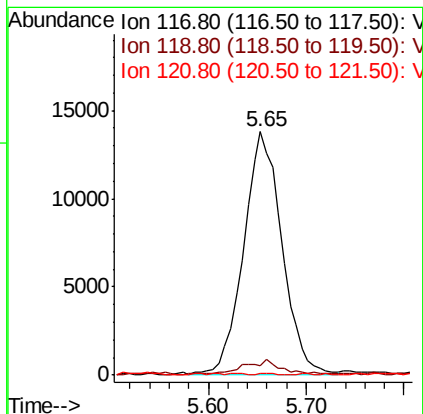
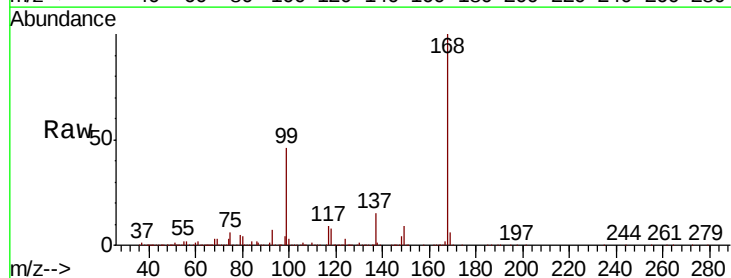
Instrument :
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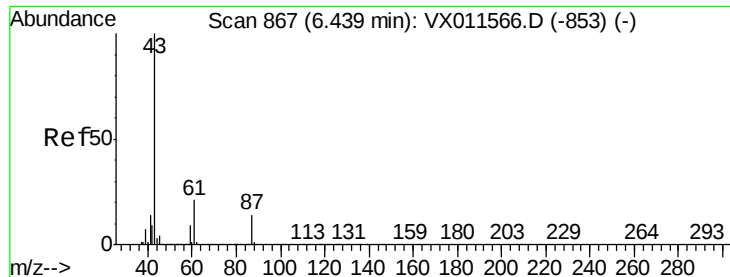
Tgt Ion: 75 Resp: 24725
 Ion Ratio Lower Upper
 75 100
 110 12.3 19.4 58.1#
 77 1.2 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.493 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011615.D
 Acq: 17 Aug 2019 05:42

Tgt Ion: 117 Resp: 37221
 Ion Ratio Lower Upper
 117 100
 119 3.6 76.9 115.3#
 121 1.3 24.8 37.2#

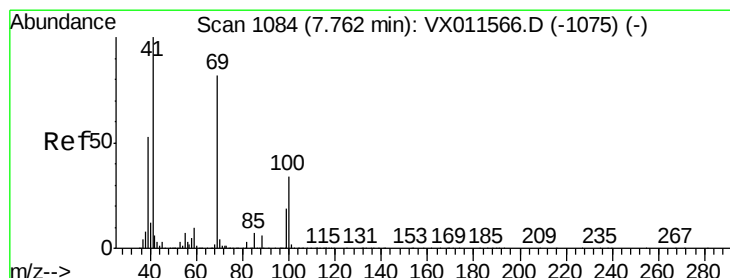
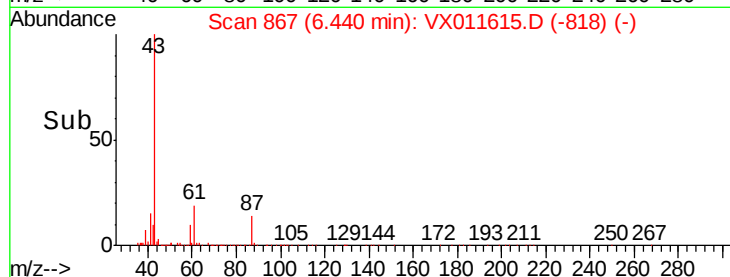
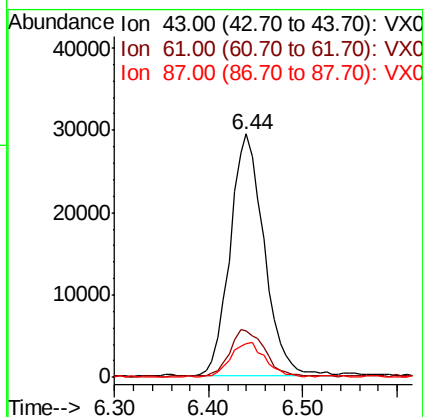
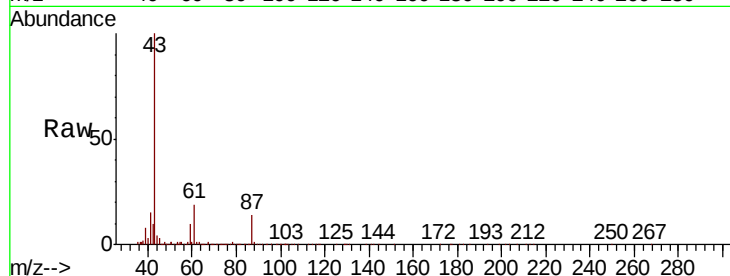




#43
Isopropyl Acetate
Concen: 7.940 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

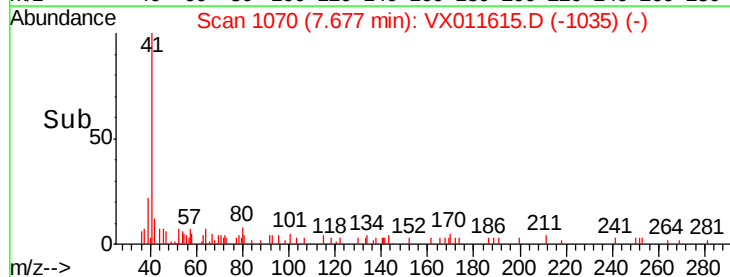
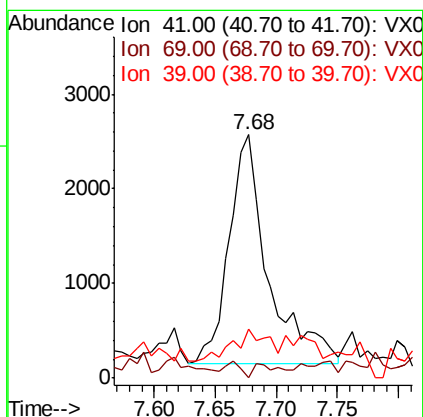
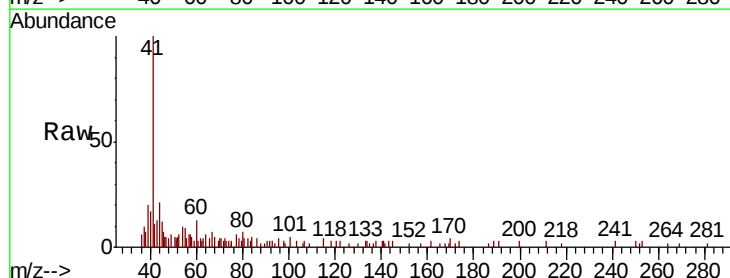
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(4.3)

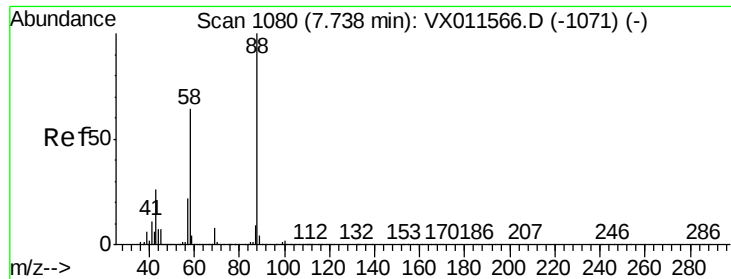
Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.6	24.8
87	14.4	11.4	17.2



#48
Methyl methacrylate
Concen: 1.156 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	3.9	67.9	101.9#
39	0.0	41.6	62.4#

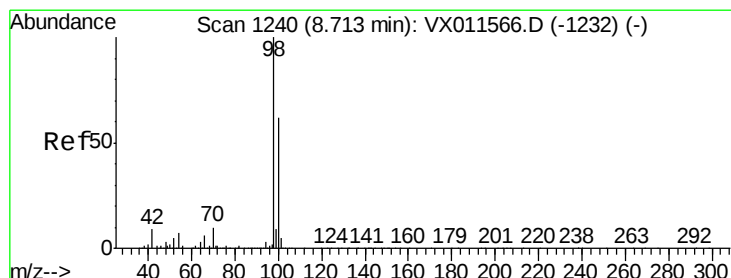
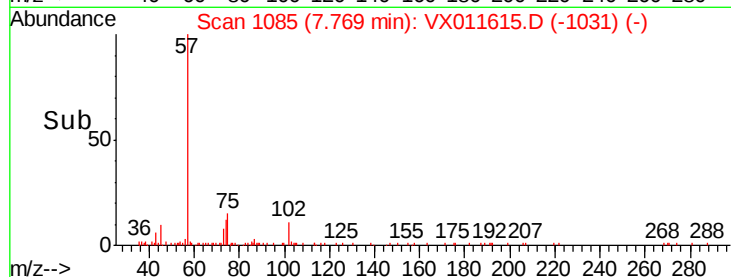
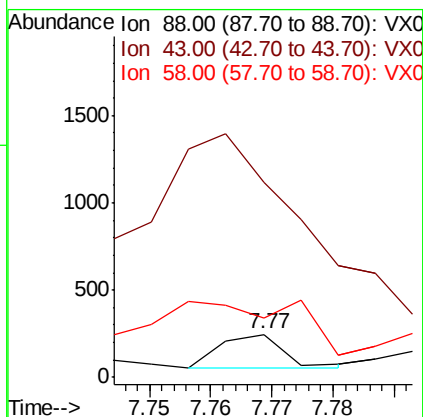
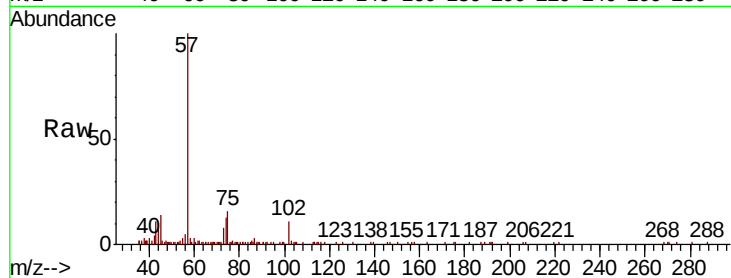




#49
1,4-Dioxane
Concen: 1.122 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.03 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

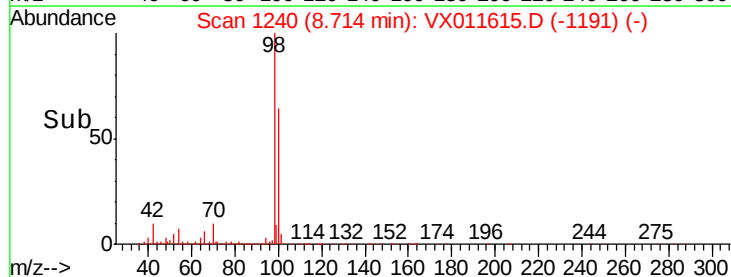
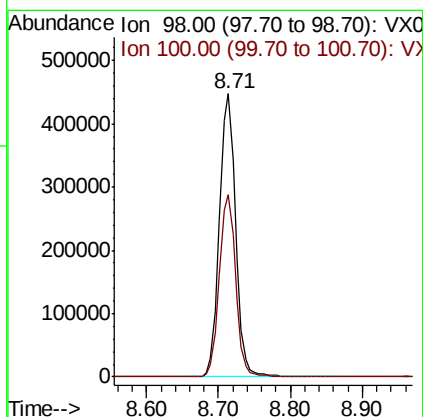
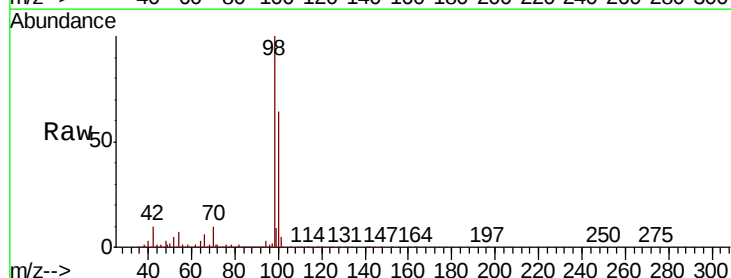
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(4.3)

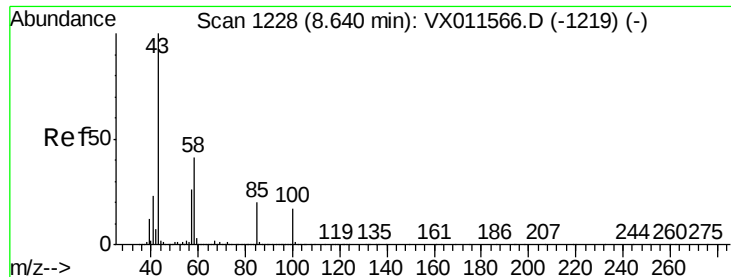
Tgt Ion: 88 Resp: 138
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.0#
58 437.7 54.3 81.5#



#50
Toluene-d8
Concen: 56.409 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

Tgt Ion: 98 Resp: 699565
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 11.489 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011615.D

Acq: 17 Aug 2019 05:42

Instrument :

MSVOA_X

ClientSampleId :

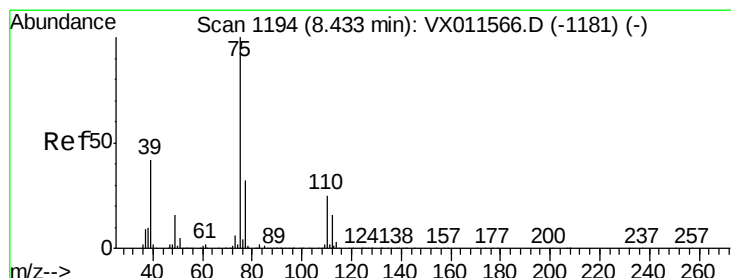
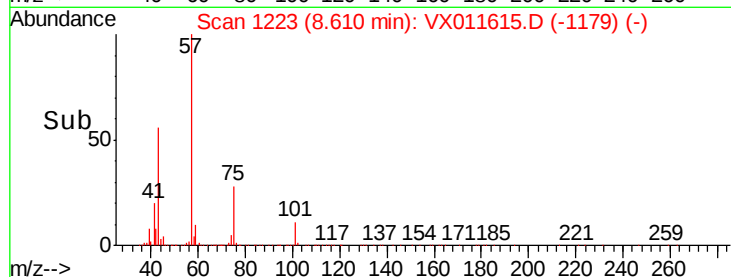
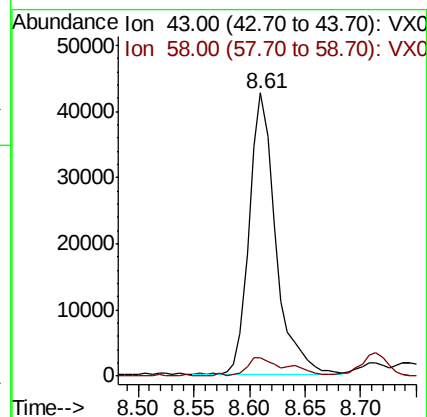
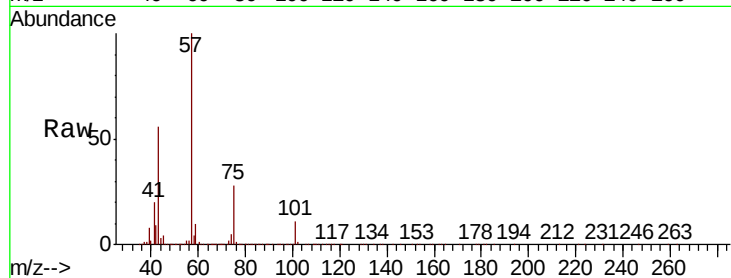
R1-R2-(4.3)

Tgt Ion: 43 Resp: 70231

Ion Ratio Lower Upper

43 100

58 6.4 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 5.426 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011615.D

Acq: 17 Aug 2019 05:42

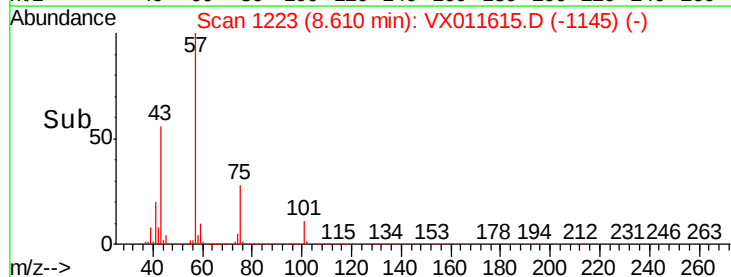
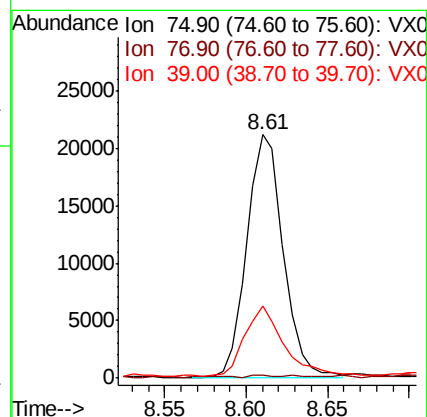
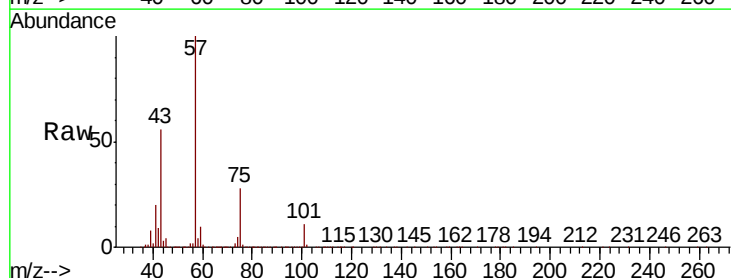
Tgt Ion: 75 Resp: 33158

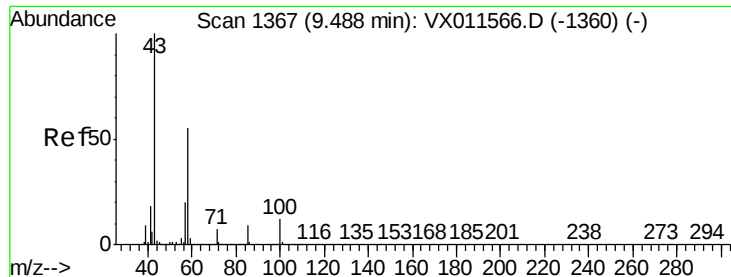
Ion Ratio Lower Upper

75 100

77 0.6 25.5 38.3#

39 28.7 33.6 50.4#

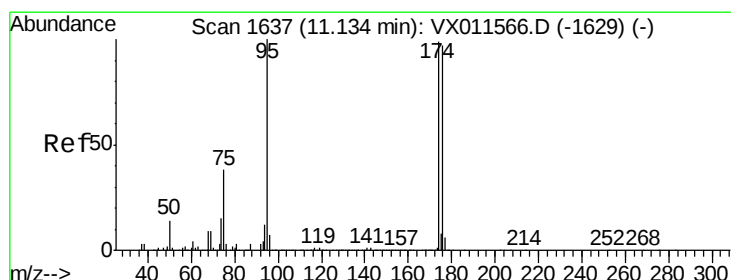
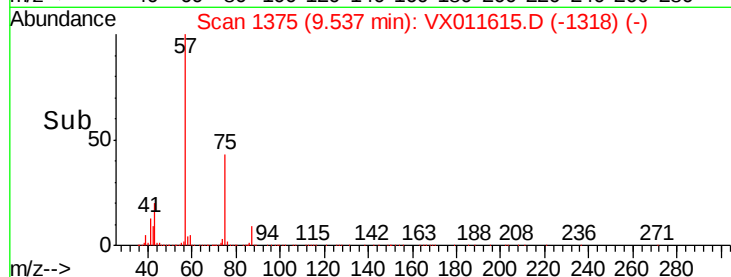
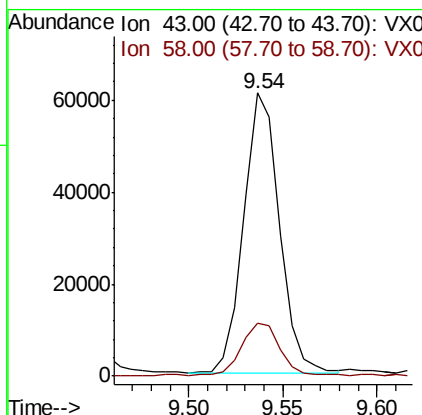
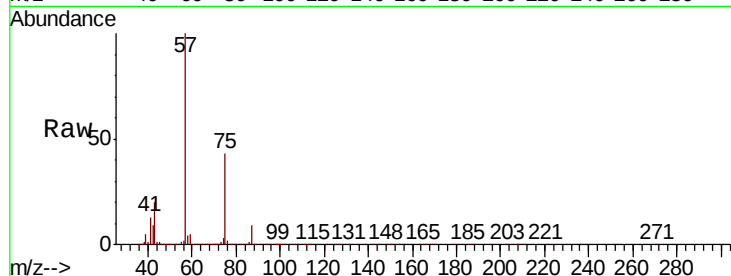




#59
2-Hexanone
Concen: 16.970 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

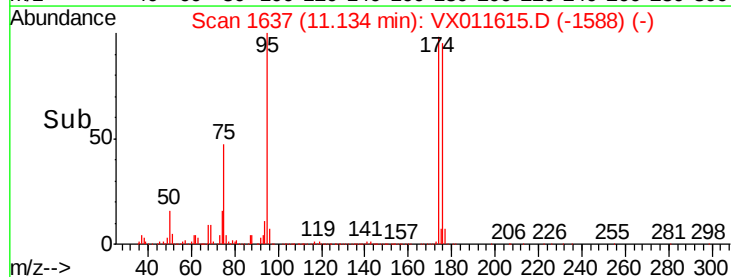
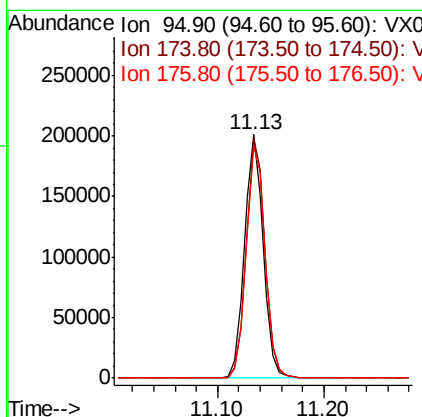
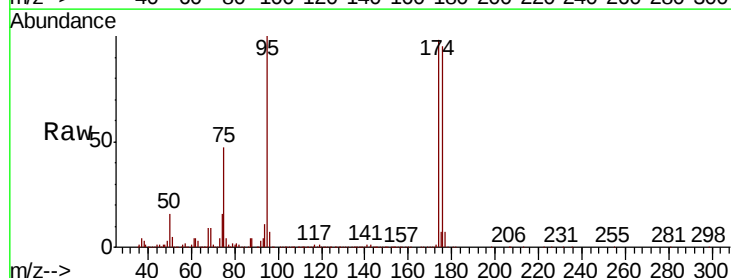
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(4.3)

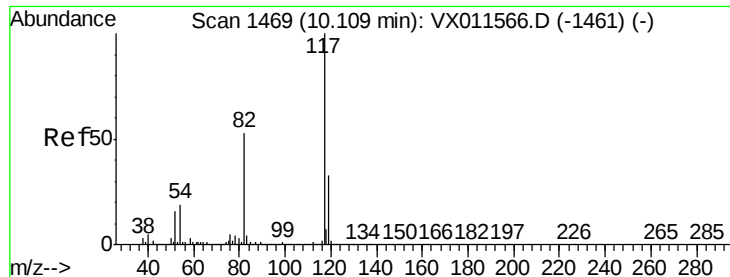
Tgt Ion: 43 Resp: 79994
Ion Ratio Lower Upper
43 100
58 19.9 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 47.389 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

Tgt Ion: 95 Resp: 248056
Ion Ratio Lower Upper
95 100
174 98.7 0.0 200.6
176 96.8 0.0 196.6

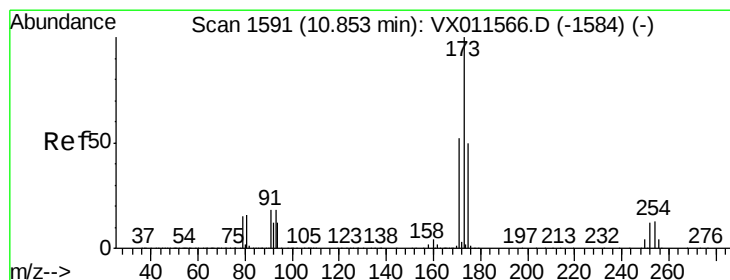
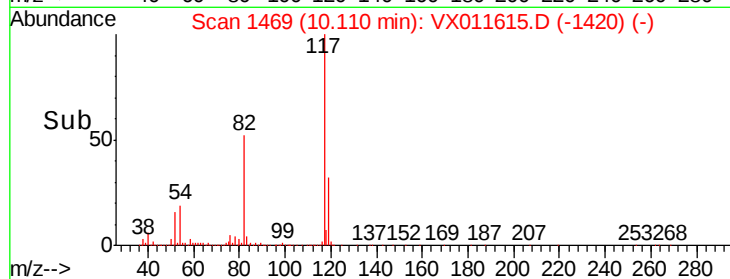
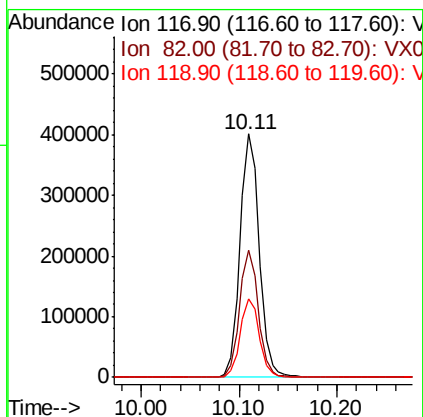
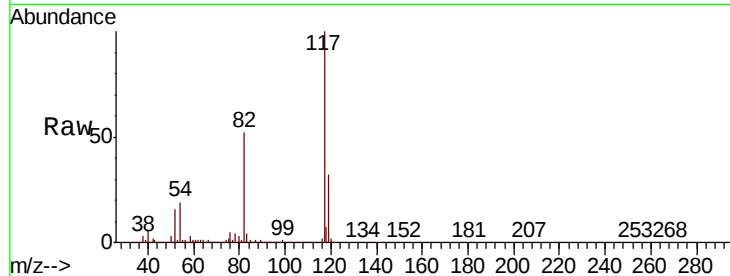




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

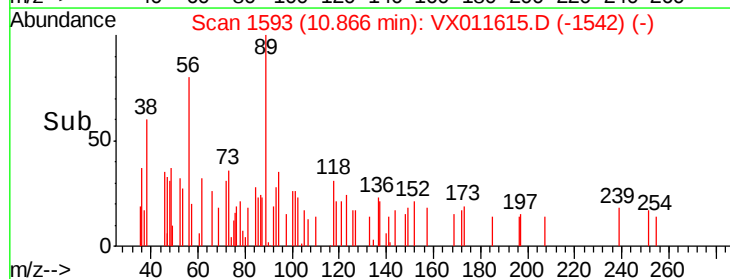
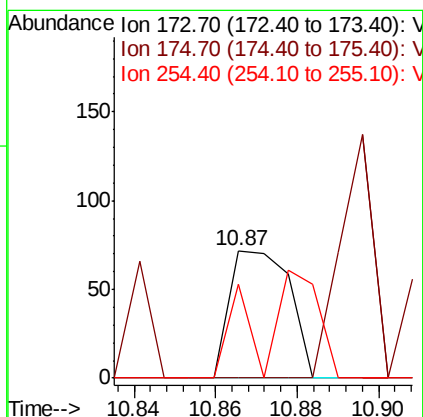
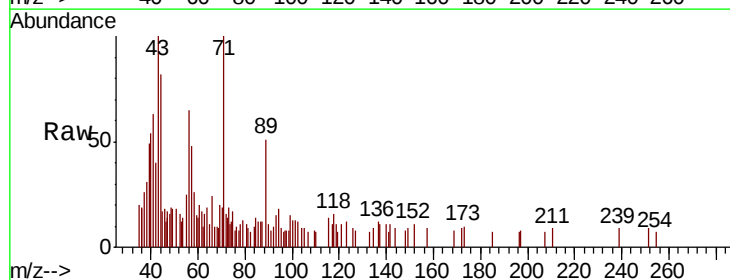
Instrument :
MSVOA_X
ClientSampleId :
R1-R2-(4.3)

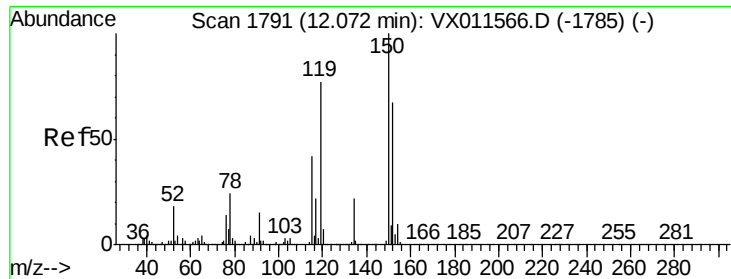
Tgt Ion:117 Resp: 549017
Ion Ratio Lower Upper
117 100
82 52.3 42.0 63.0
119 32.0 26.5 39.7



#71
Bromoform
Concen: 3.308 ug/l
RT: 10.87 min Scan# 1593
Delta R.T. 0.01 min
Lab File: VX011615.D
Acq: 17 Aug 2019 05:42

Tgt Ion:173 Resp: 74
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 82.4 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011615.D

Acq: 17 Aug 2019 05:42

Instrument :

MSVOA_X

ClientSampleId :

R1-R2-(4.3)

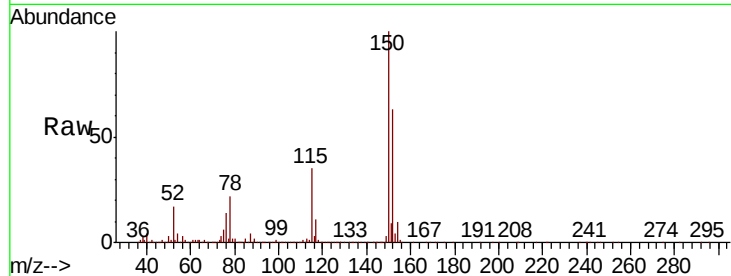
Tgt Ion:152 Resp: 270416

Ion Ratio Lower Upper

152 100

115 52.5 37.3 111.9

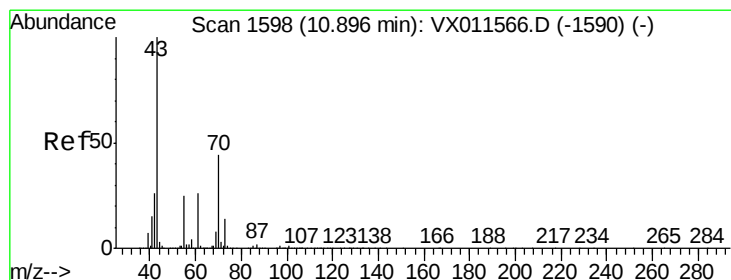
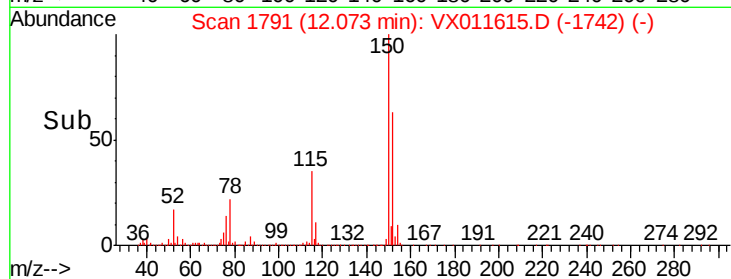
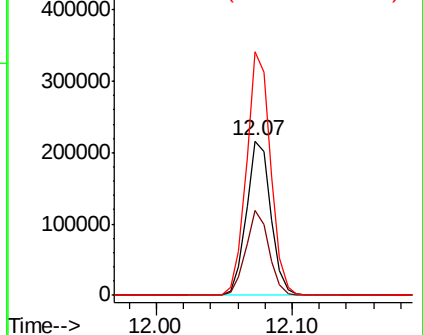
150 156.2 0.0 346.2



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: 0.440 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011615.D

Acq: 17 Aug 2019 05:42

Tgt Ion: 43 Resp: 3284

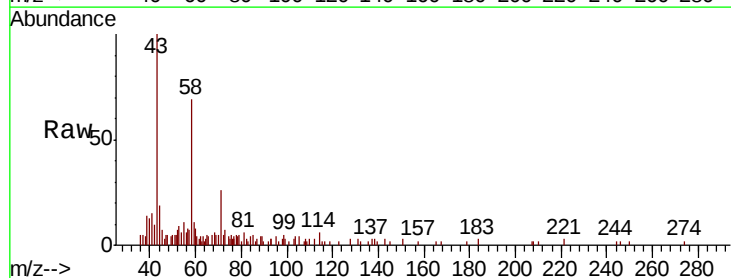
Ion Ratio Lower Upper

43 100

70 5.6 34.7 52.1#

55 16.5 19.6 29.4#

61 0.0 19.9 29.9#

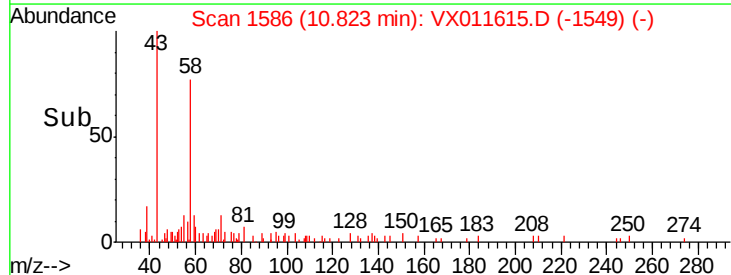
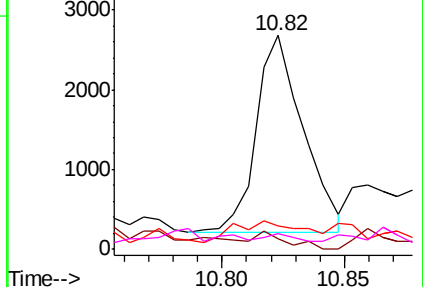


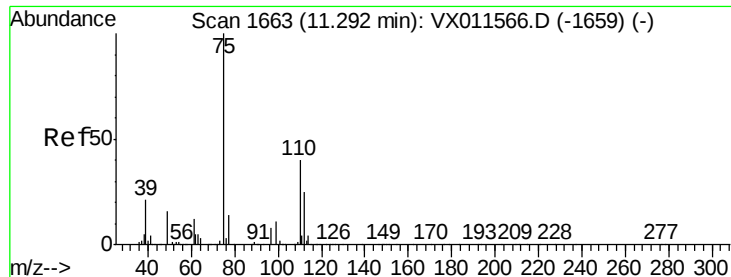
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 22.150 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011615.D

Acq: 17 Aug 2019 05:42

Instrument :

MSVOA_X

ClientSampleId :

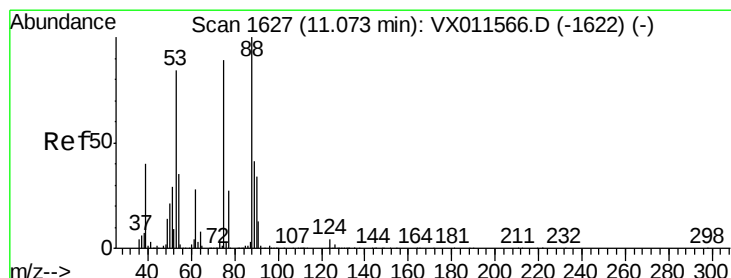
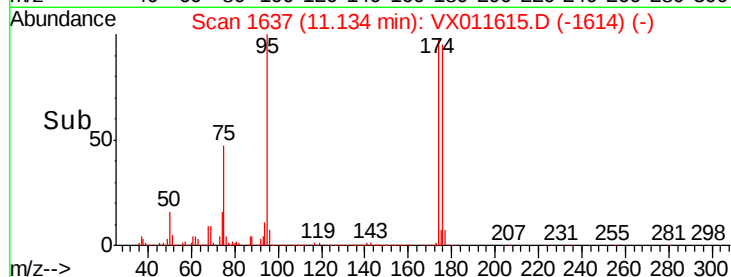
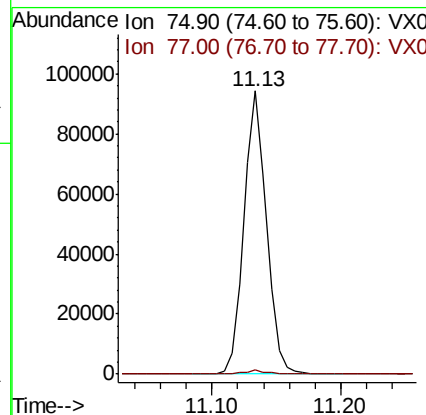
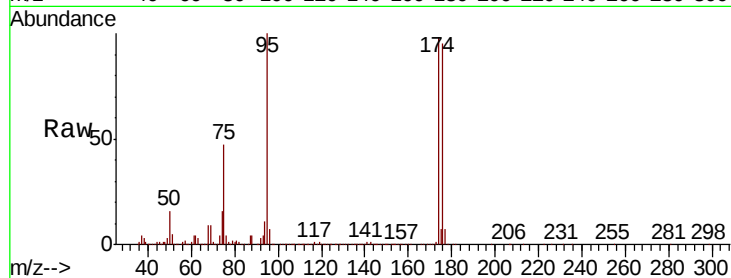
R1-R2-(4.3)

Tgt Ion: 75 Resp: 113580

Ion Ratio Lower Upper

75 100

77 1.6 20.9 62.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.106 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011615.D

Acq: 17 Aug 2019 05:42

Tgt Ion: 75 Resp: 113580

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 37.3 55.9#

