

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082219\
 Data File : VX011766.D
 Acq On : 22 Aug 2019 16:55
 Operator : JC/SP
 Sample : K4388-35
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T4-E-(2)

Quant Time: Aug 23 02:02:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	449416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	606052	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	569595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	271349	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	212388	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
35) Dibromofluoromethane	5.49	113	185491	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	8.71	98	709940	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	11.13	95	248424	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

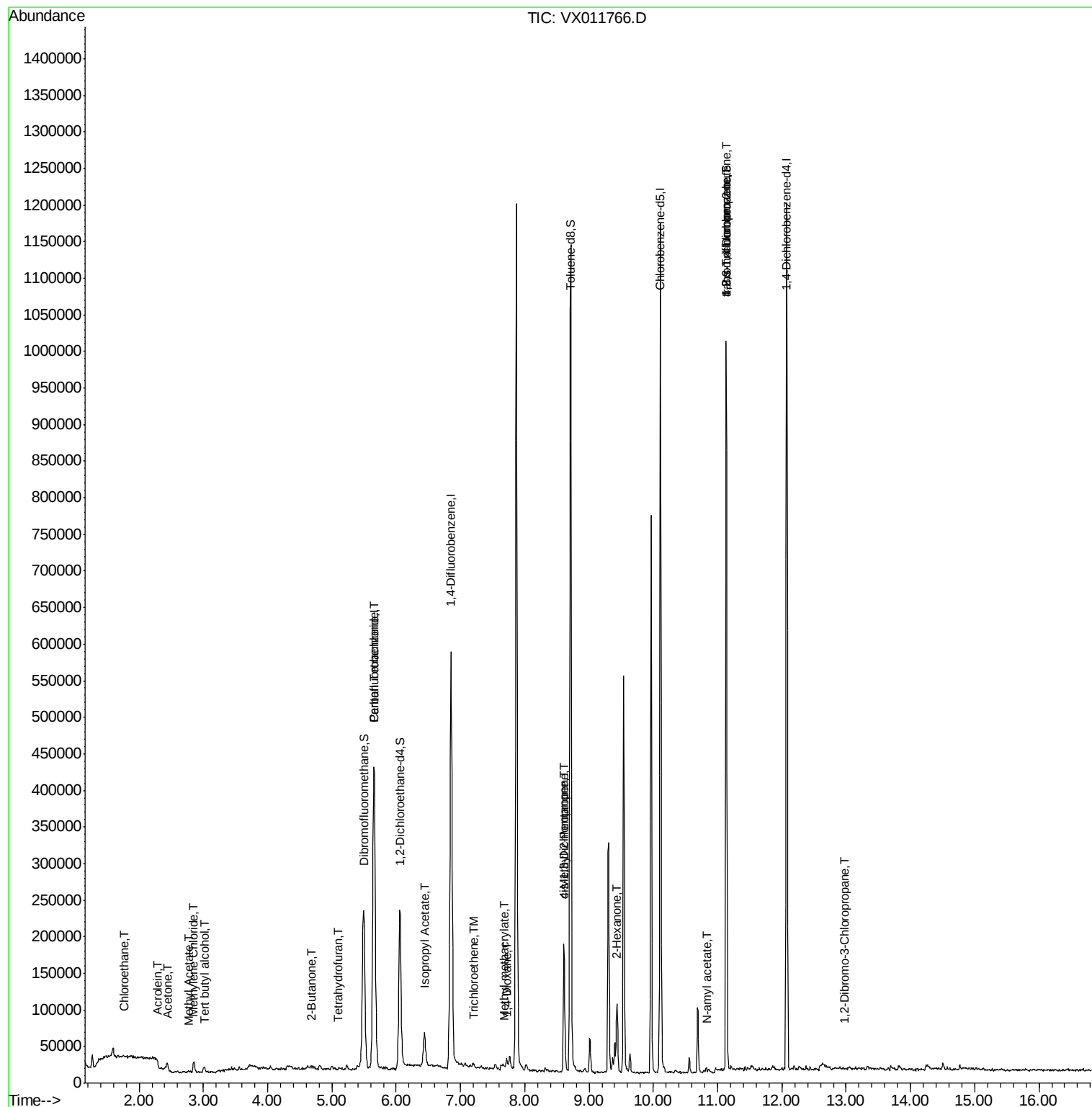
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.78	64	592	0.275	ug/l #	45
11) Tert butyl alcohol	3.01	59	4775	5.352	ug/l #	92
13) Acrolein	2.29	56	323	0.937	ug/l #	16
16) Acetone	2.43	43	9272	4.721	ug/l	93
18) Methyl Acetate	2.77	43	3210	0.602	ug/l #	71
20) Methylene Chloride	2.85	84	8624	2.148	ug/l #	97
25) 2-Butanone	4.68	43	1185	0.420	ug/l #	63
29) Tetrahydrofuran	5.11	42	1010	0.559	ug/l #	45
38) Carbon Tetrachloride	5.66	117	37956	7.047	ug/l #	15
43) Isopropyl Acetate	6.44	43	63053	7.746	ug/l	97
44) Trichloroethene	7.21	130	1271	0.280	ug/l	71
48) Methyl methacrylate	7.68	41	4322	1.067	ug/l #	14
49) 1,4-Dioxane	7.73	88	87	0.775	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	60220	11.227	ug/l #	50
54) cis-1,3-Dichloropropene	8.61	75	29237	5.205	ug/l #	60
59) 2-Hexanone	9.43	43	75229	18.274	ug/l #	25
74) N-amyl acetate	10.83	43	2715	0.429	ug/l #	62
76) 1,2,3-Trichloropropane	11.13	75	114446	24.037	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	114446	72.489	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.98	75	330	0.262	ug/l #	3

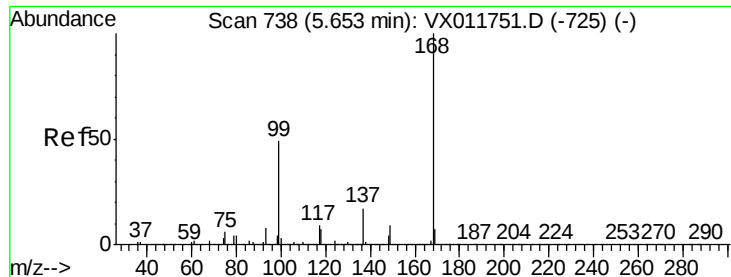
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
T4-E-(2)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:48:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011766.D

Acq: 22 Aug 2019 16:55

Instrument :

MSVOA_X

ClientSampled :

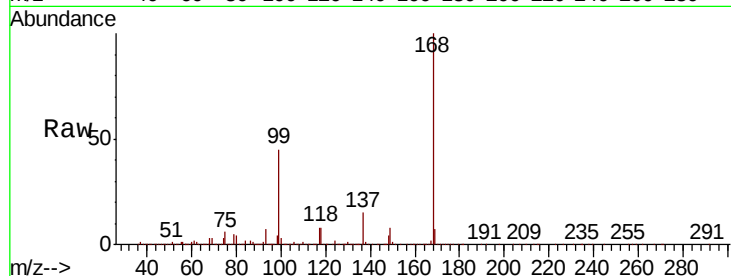
T4-E-(2)

Tgt Ion:168 Resp: 449416

Ion Ratio Lower Upper

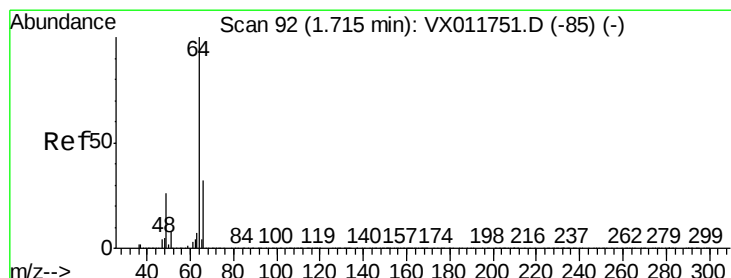
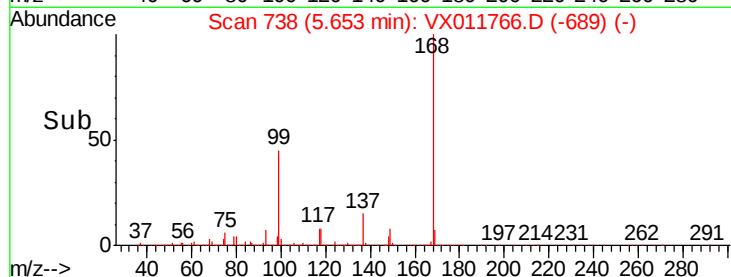
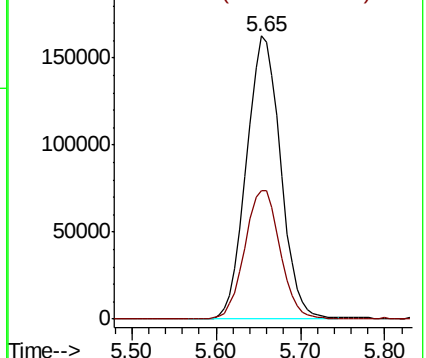
168 100

99 45.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.275 ug/l

RT: 1.78 min Scan# 103

Delta R.T. 0.07 min

Lab File: VX011766.D

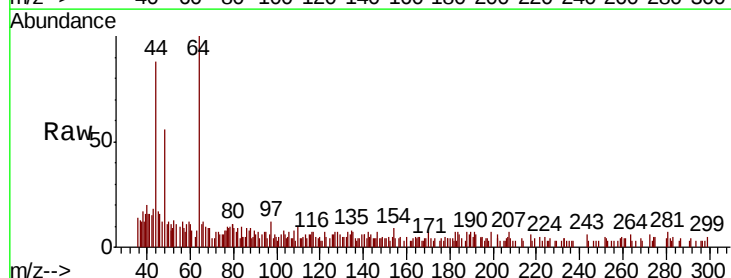
Acq: 22 Aug 2019 16:55

Tgt Ion: 64 Resp: 592

Ion Ratio Lower Upper

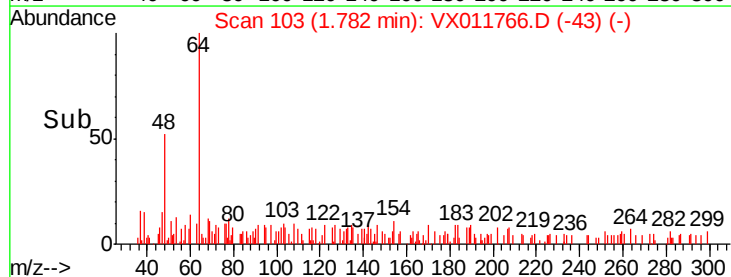
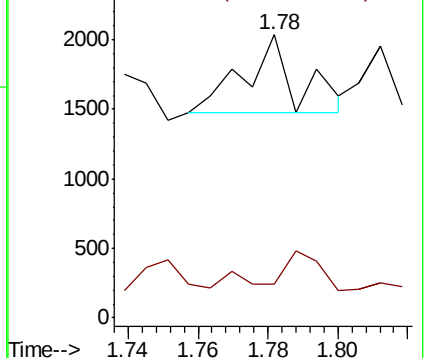
64 100

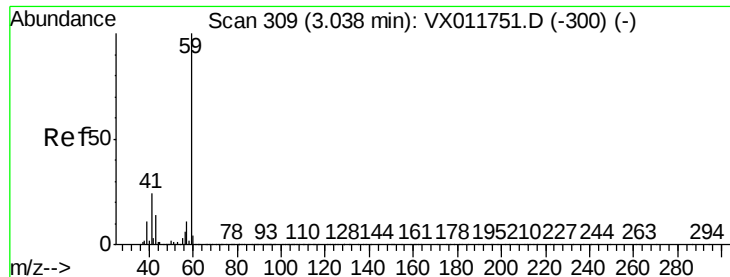
66 0.7 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

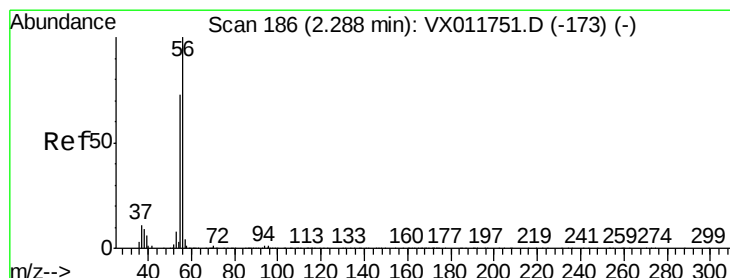
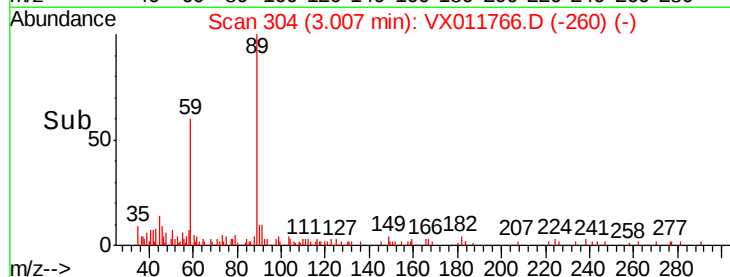
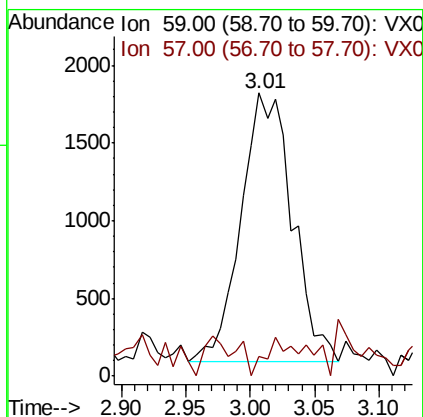
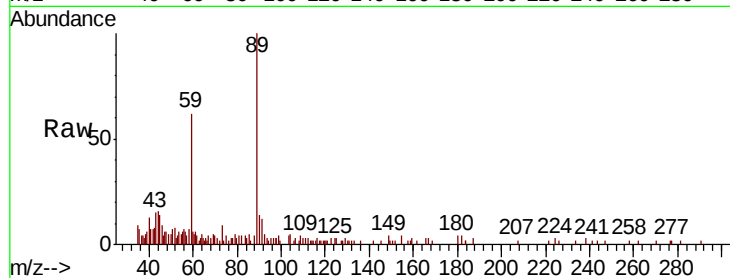




#11
Tert butyl alcohol
Concen: 5.352 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011766.D
Acq: 22 Aug 2019 16:55

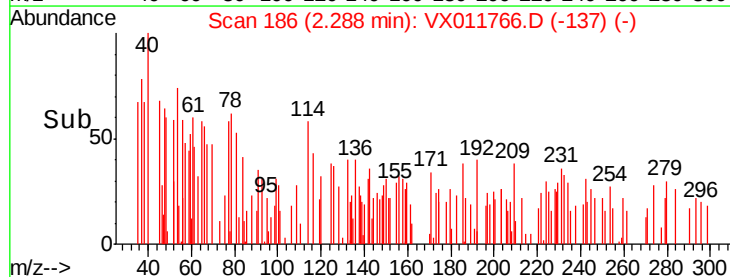
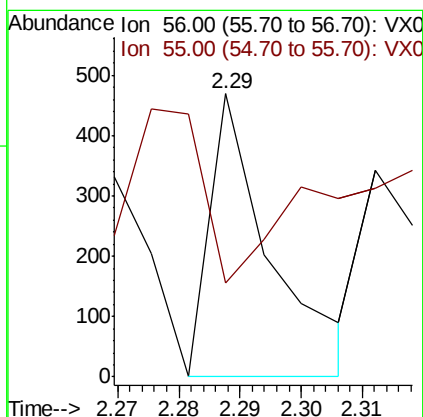
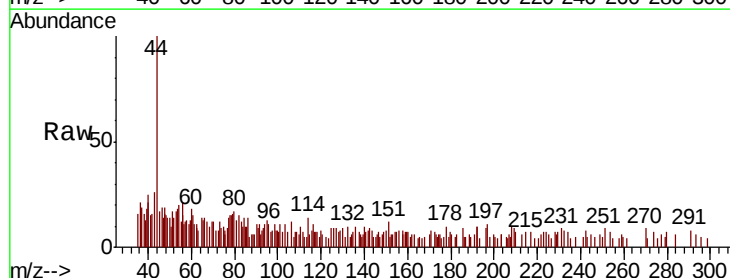
Instrument :
MSVOA_X
ClientSampleId :
T4-E-(2)

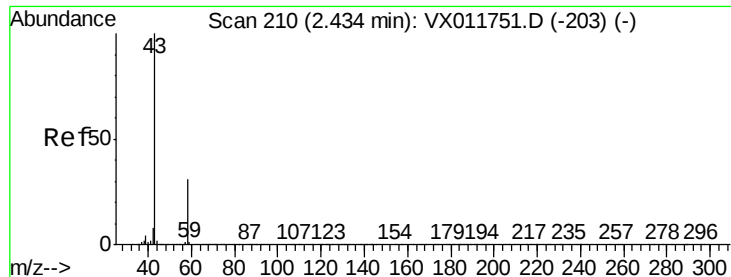
Tgt Ion: 59 Resp: 4775
Ion Ratio Lower Upper
59 100
57 7.6 8.4 12.6#



#13
Acrolein
Concen: 0.937 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.00 min
Lab File: VX011766.D
Acq: 22 Aug 2019 16:55

Tgt Ion: 56 Resp: 323
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#





#16

Acetone

Concen: 4.721 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011766.D

Acq: 22 Aug 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

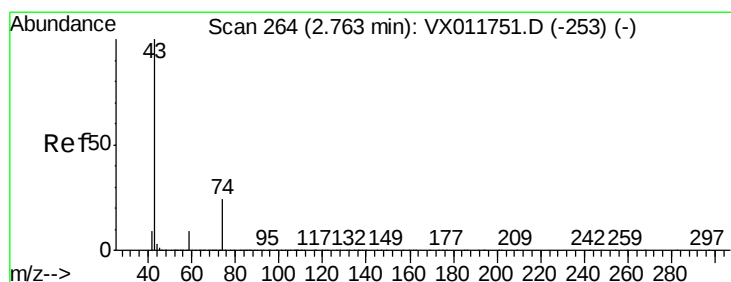
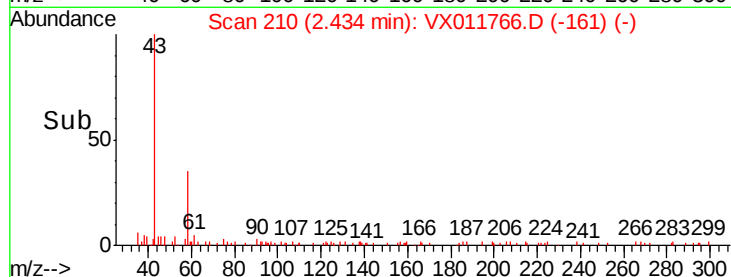
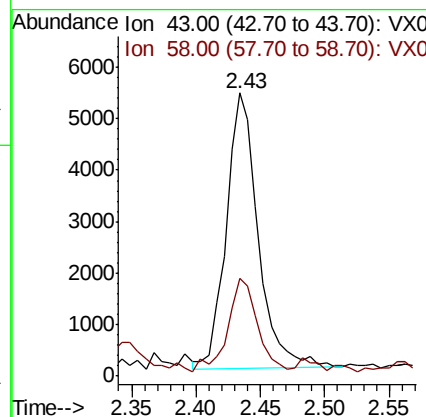
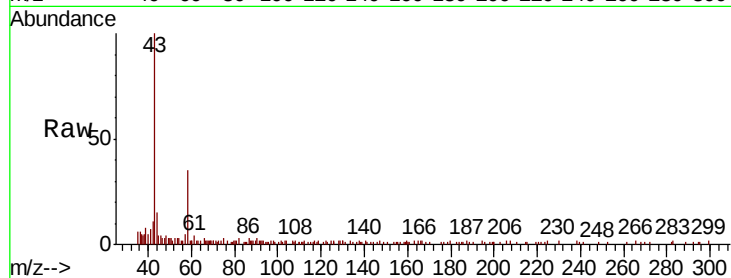
T4-E-(2)

Tgt Ion: 43 Resp: 9272

Ion Ratio Lower Upper

43 100

58 34.1 24.4 36.6



#18

Methyl Acetate

Concen: 0.602 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011766.D

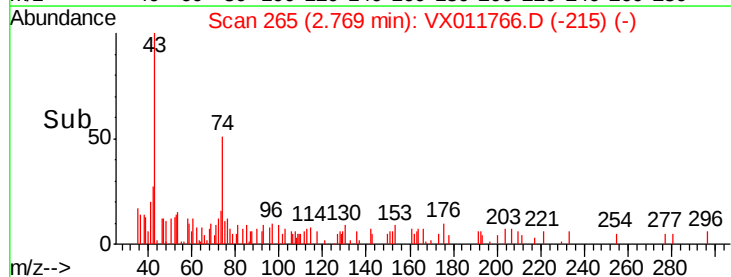
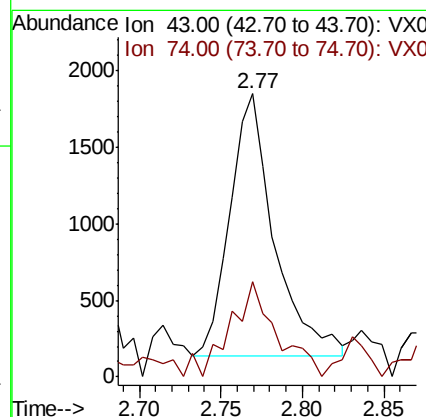
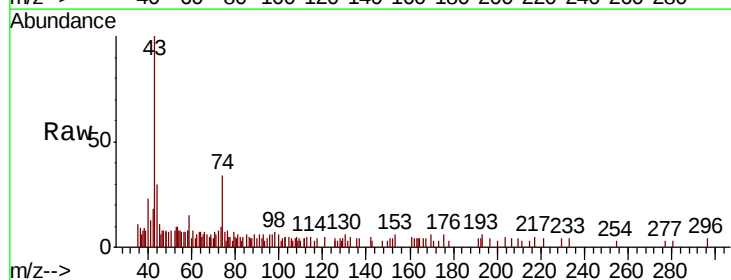
Acq: 22 Aug 2019 16:55

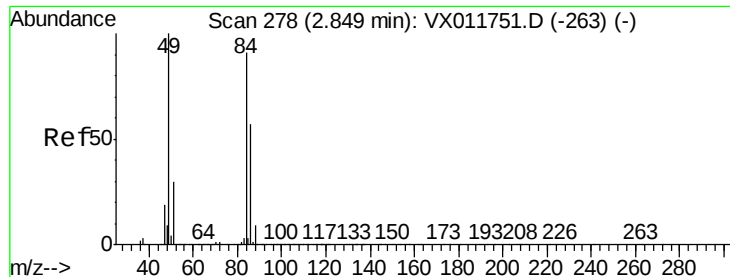
Tgt Ion: 43 Resp: 3210

Ion Ratio Lower Upper

43 100

74 38.9 19.5 29.3#

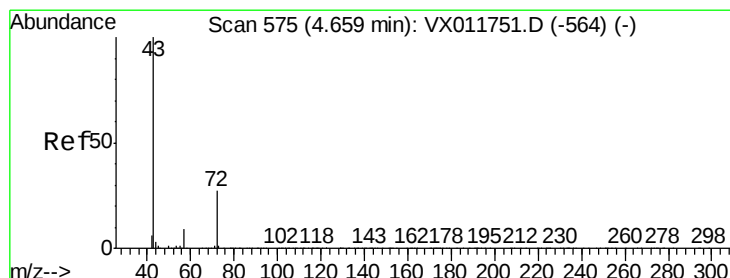
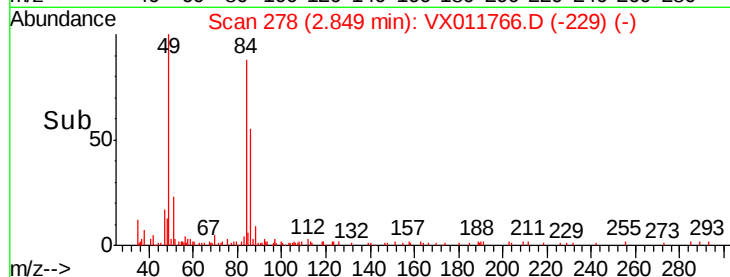
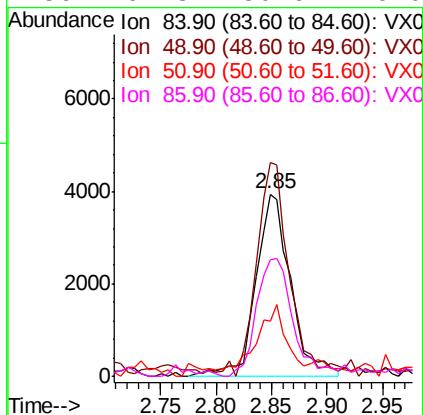
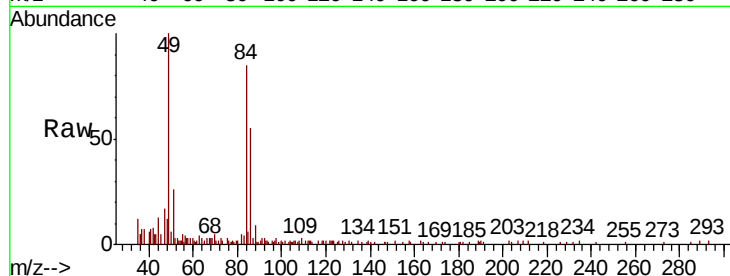




#20
Methylene Chloride
Concen: 2.148 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011766.D
Acq: 22 Aug 2019 16:55

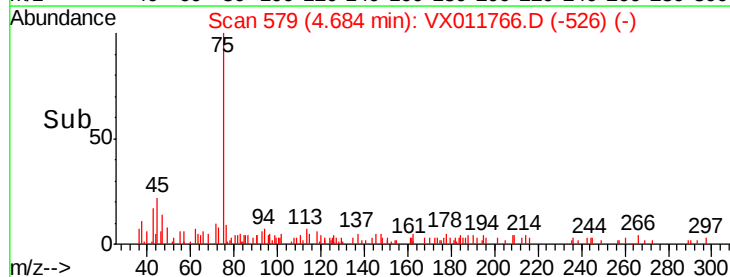
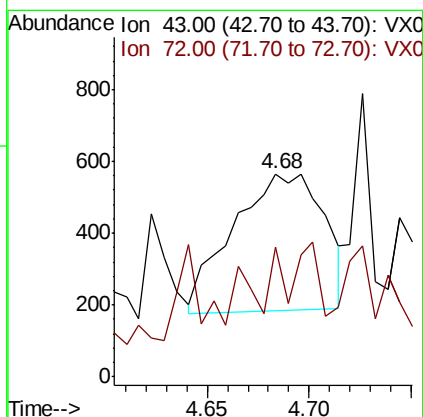
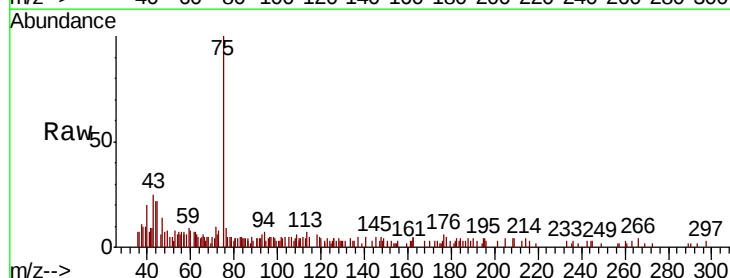
Instrument :
MSVOA_X
ClientSampleId :
T4-E-(2)

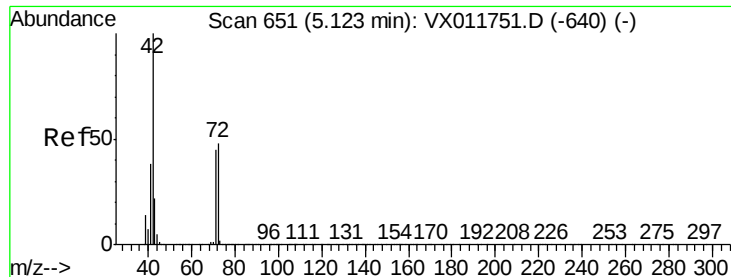
Tgt Ion:	84	Resp:	8624
Ion	Ratio	Lower	Upper
84	100		
49	111.3	88.3	132.5
51	26.0	26.2	39.2#
86	61.3	50.6	76.0



#25
2-Butanone
Concen: 0.420 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.02 min
Lab File: VX011766.D
Acq: 22 Aug 2019 16:55

Tgt Ion:	43	Resp:	1185
Ion	Ratio	Lower	Upper
43	100		
72	46.4	21.8	32.6#





#29

Tetrahydrofuran

Concen: 0.559 ug/l

RT: 5.11 min Scan# 649

Delta R.T. -0.01 min

Lab File: VX011766.D

Acq: 22 Aug 2019 16:55

Instrument :

MSVOA_X

ClientSampled :

T4-E-(2)

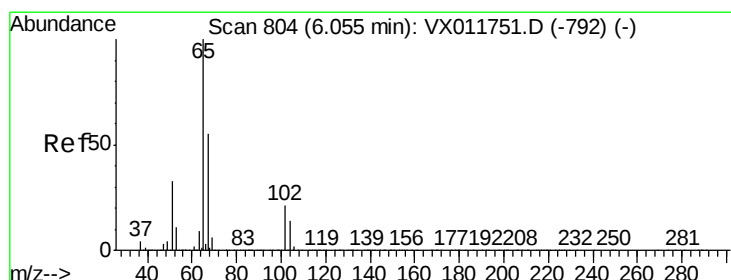
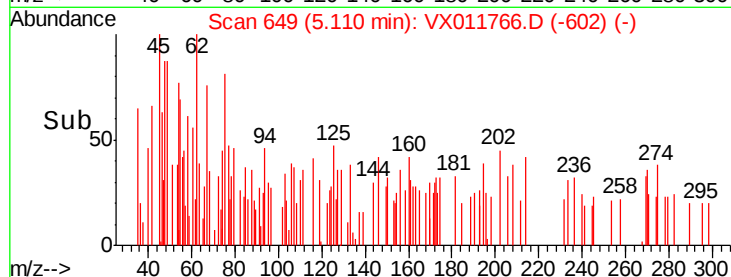
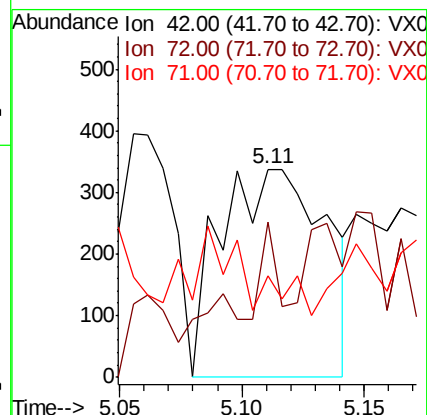
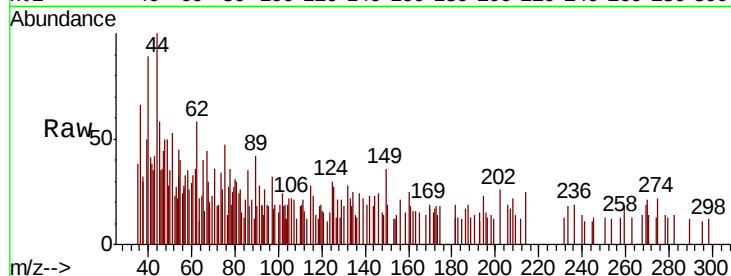
Tgt Ion: 42 Resp: 1010

Ion Ratio Lower Upper

42 100

72 17.7 37.6 56.4#

71 0.0 34.6 51.8#



#33

1,2-Dichloroethane-d4

Concen: 47.044 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011766.D

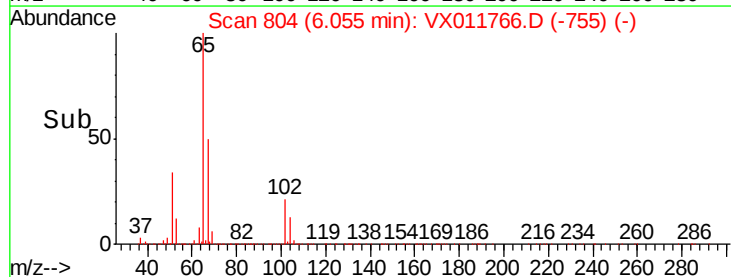
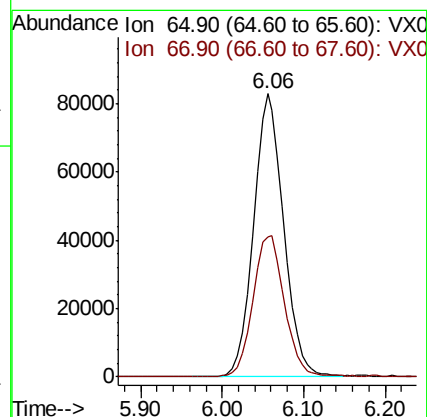
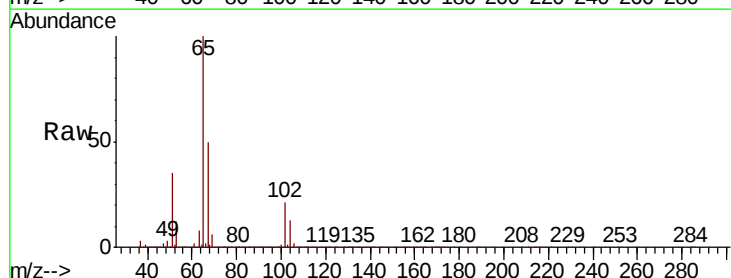
Acq: 22 Aug 2019 16:55

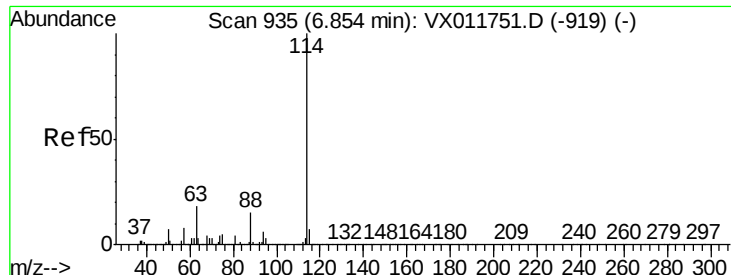
Tgt Ion: 65 Resp: 212388

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011766.D

Acq: 22 Aug 2019 16:55

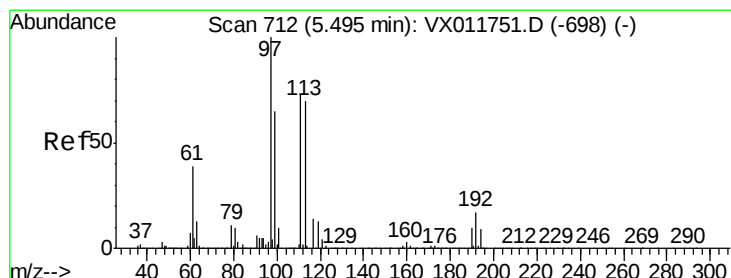
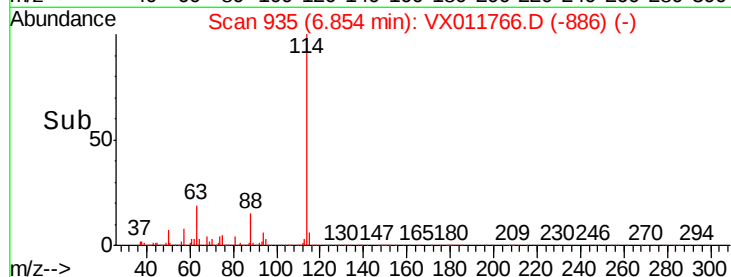
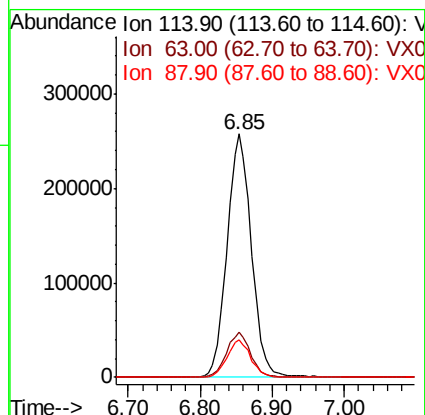
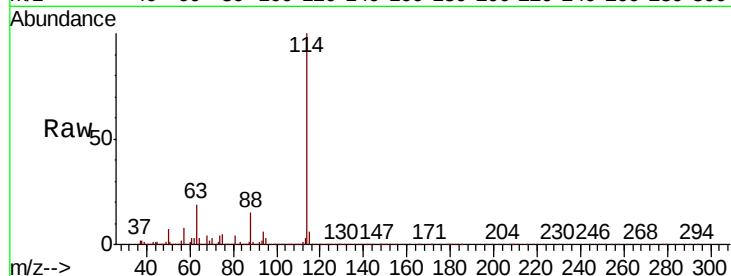
Instrument :

MSVOA_X

ClientSampleId :

T4-E-(2)

Tgt Ion:	114	Resp:	606052
Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	36.8
88	15.4	0.0	30.2



#35

Dibromofluoromethane

Concen: 47.331 ug/l

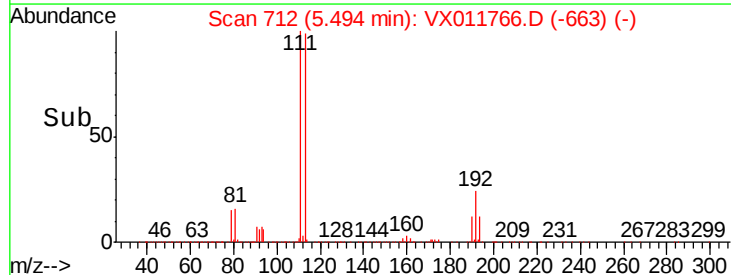
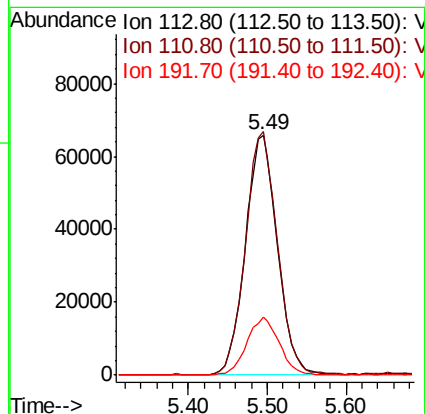
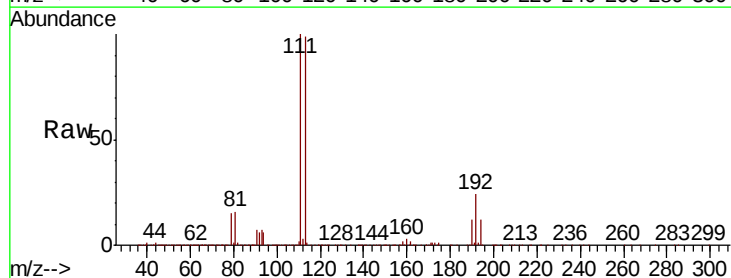
RT: 5.49 min Scan# 712

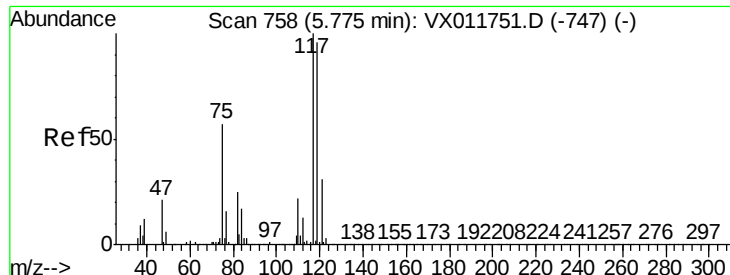
Delta R.T. -0.00 min

Lab File: VX011766.D

Acq: 22 Aug 2019 16:55

Tgt Ion:	113	Resp:	185491
Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.0	121.4
192	24.8	19.9	29.9





#38

Carbon Tetrachloride

Concen: 7.047 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011766.D

Acq: 22 Aug 2019 16:55

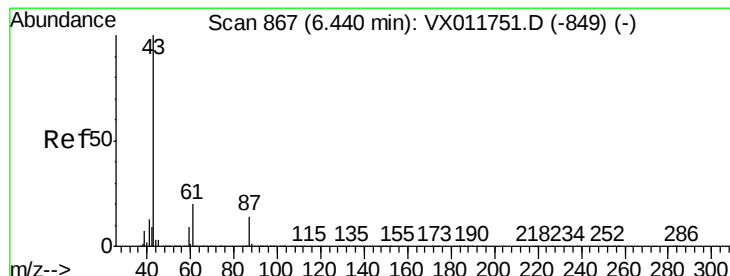
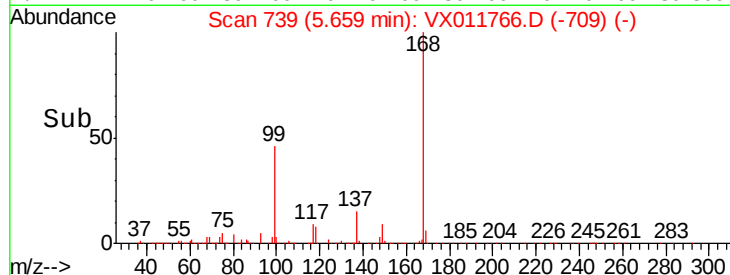
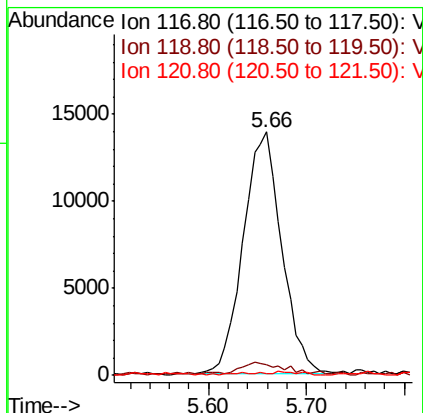
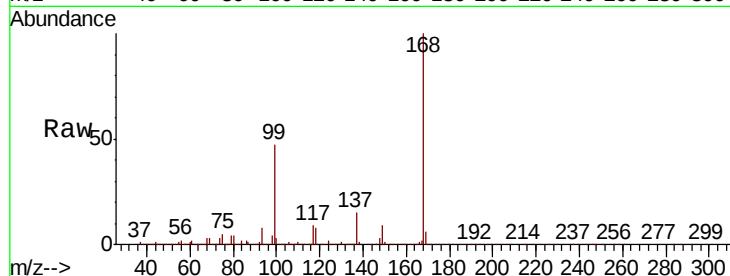
Instrument :

MSVOA_X

ClientSampled :

T4-E-(2)

Tgt Ion:	117	Resp:	37956
Ion	Ratio	Lower	Upper
117	100		
119	3.3	76.6	114.8#
121	0.4	25.2	37.8#



#43

Isopropyl Acetate

Concen: 7.746 ug/l

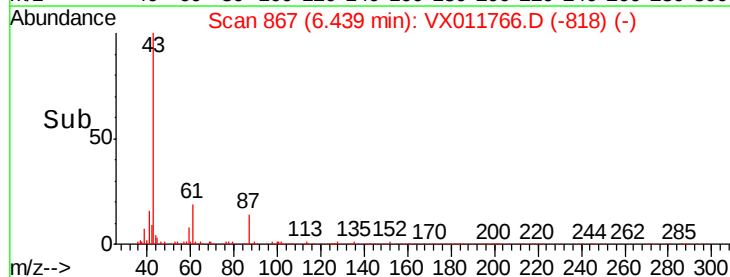
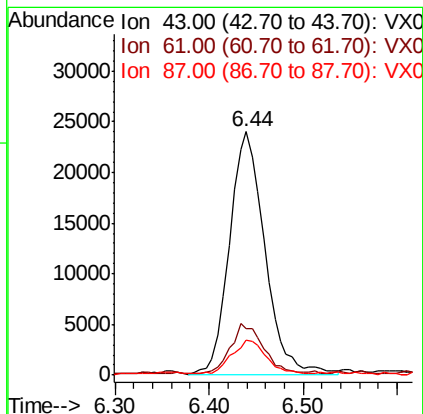
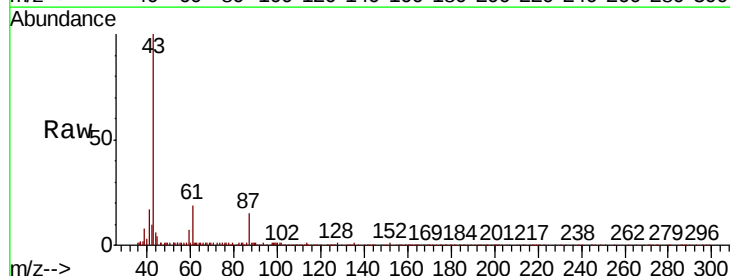
RT: 6.44 min Scan# 867

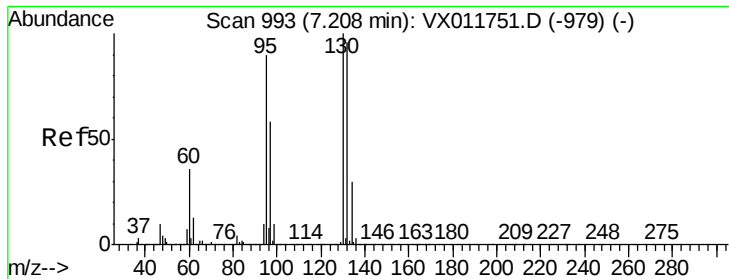
Delta R.T. -0.00 min

Lab File: VX011766.D

Acq: 22 Aug 2019 16:55

Tgt Ion:	43	Resp:	63053
Ion	Ratio	Lower	Upper
43	100		
61	18.8	16.2	24.2
87	13.3	11.6	17.4





#44

Trichloroethene

Concen: 0.280 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.00 min

Lab File: VX011766.D

Acq: 22 Aug 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

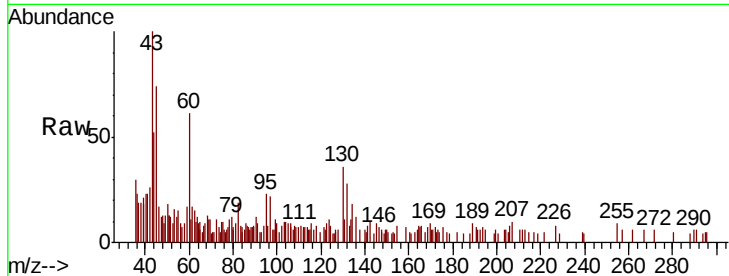
T4-E-(2)

Tgt Ion:130 Resp: 1271

Ion Ratio Lower Upper

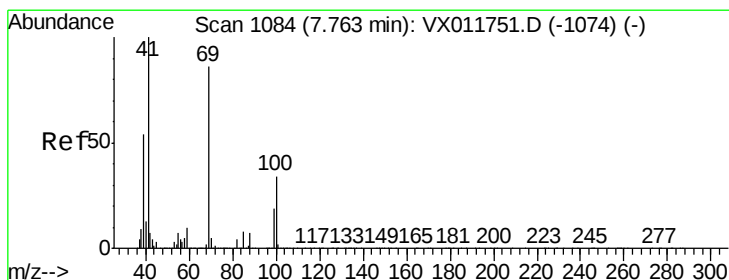
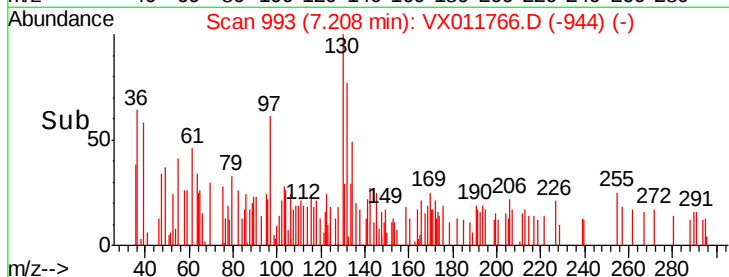
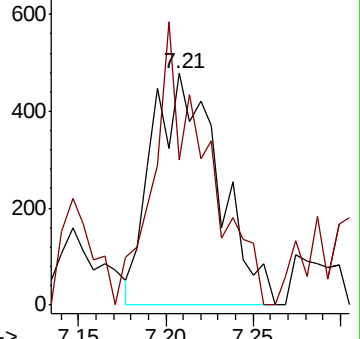
130 100

95 62.3 0.0 179.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#48

Methyl methacrylate

Concen: 1.067 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.09 min

Lab File: VX011766.D

Acq: 22 Aug 2019 16:55

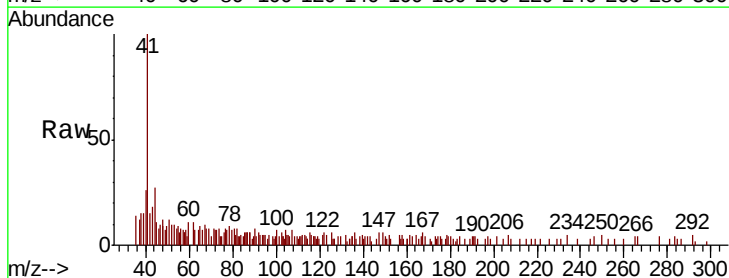
Tgt Ion: 41 Resp: 4322

Ion Ratio Lower Upper

41 100

69 1.1 69.4 104.2#

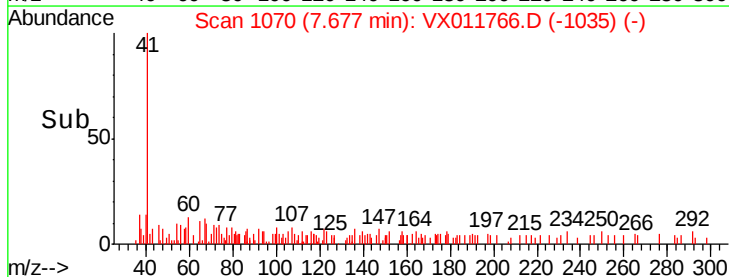
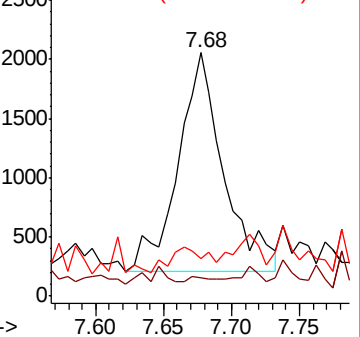
39 0.0 43.6 65.4#

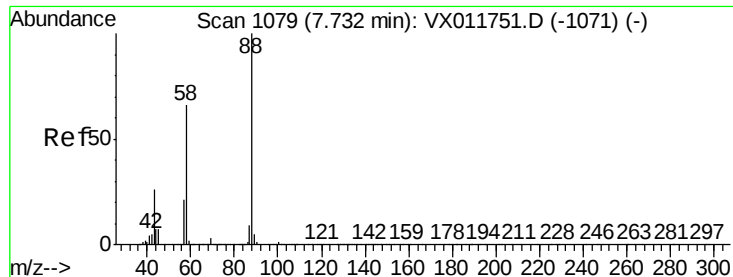


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

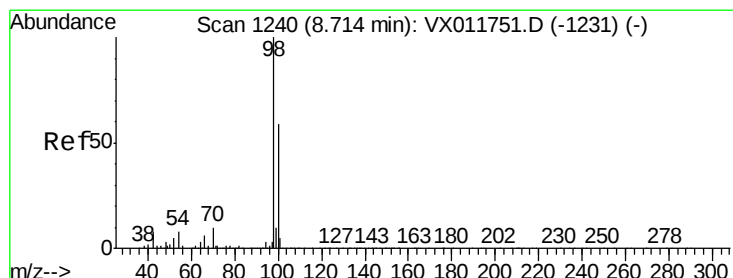
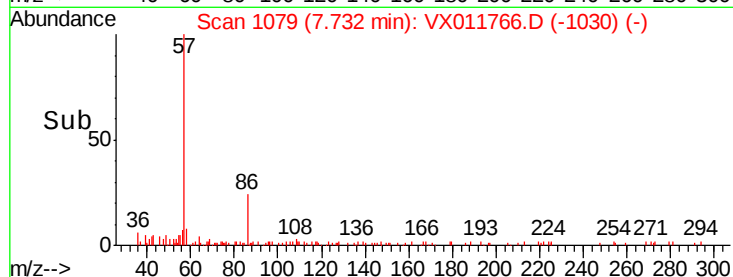
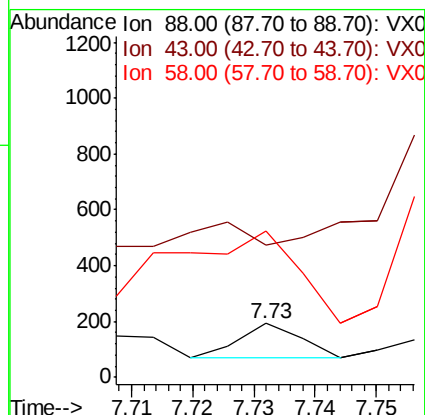
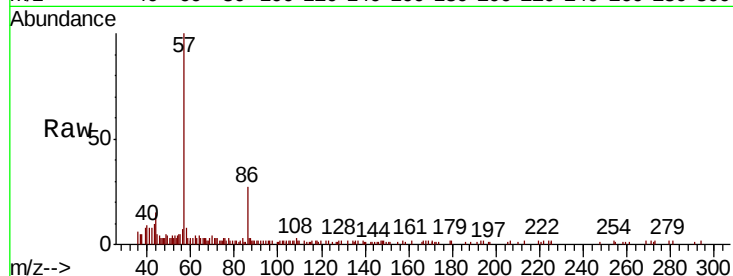




#49
1,4-Dioxane
Concen: 0.775 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VX011766.D
Acq: 22 Aug 2019 16:55

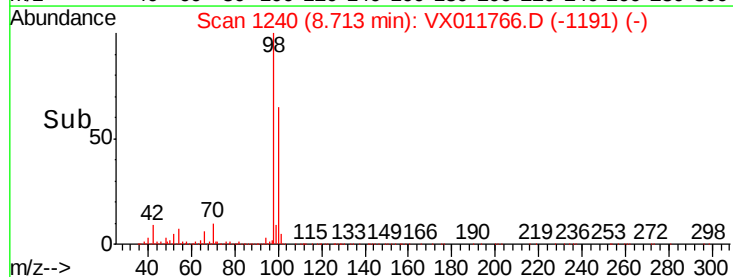
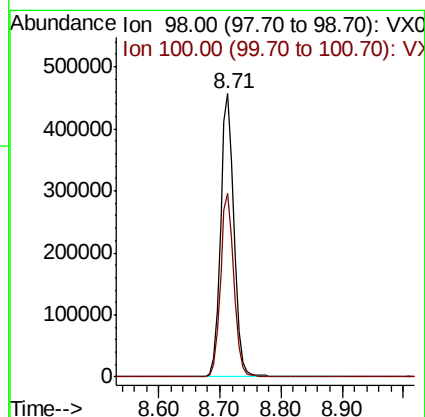
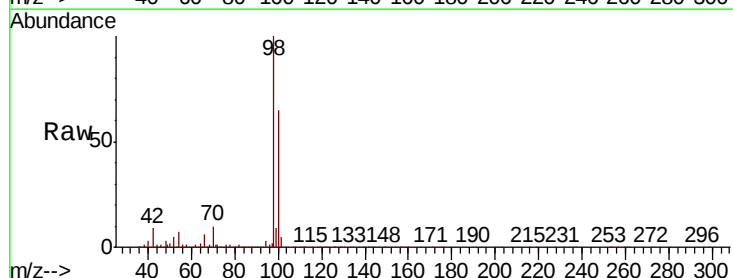
Instrument :
MSVOA_X
ClientSampled :
T4-E-(2)

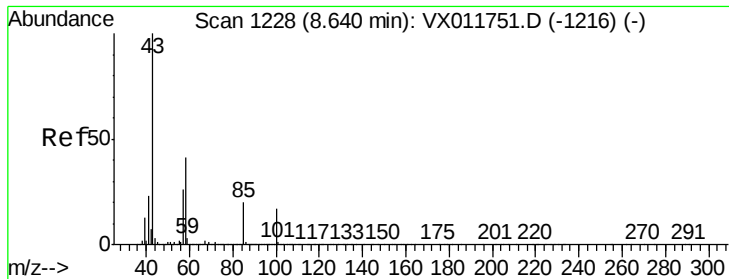
Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 1079.3 51.4 77.2#



#50
Toluene-d8
Concen: 51.936 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011766.D
Acq: 22 Aug 2019 16:55

Tgt Ion: 98 Resp: 709940
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1

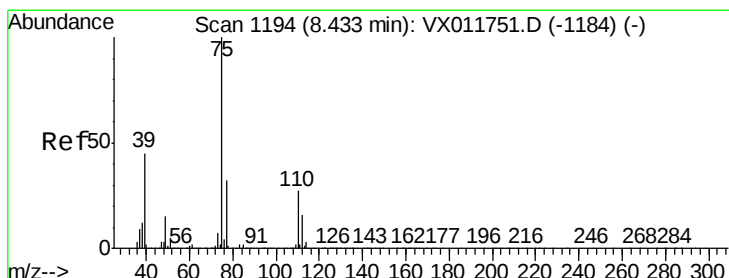
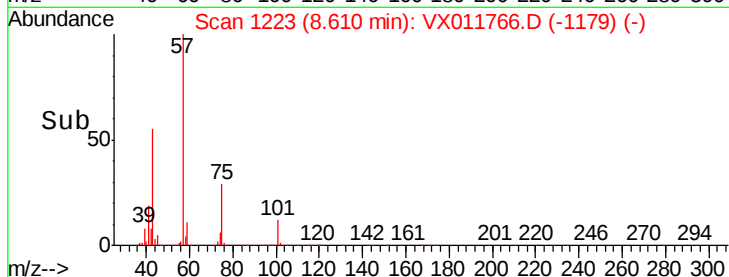
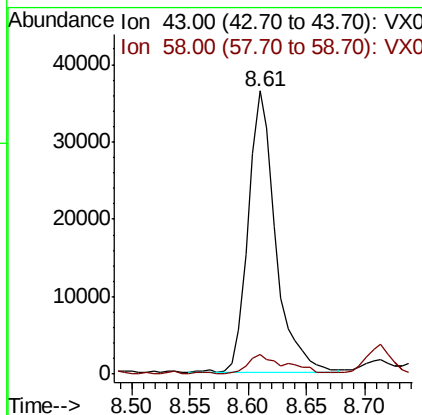
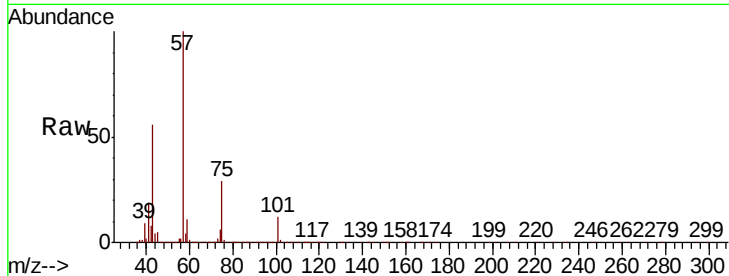




#51
 4-Methyl-2-Pentanone
 Concen: 11.227 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. -0.03 min
 Lab File: VX011766.D
 Acq: 22 Aug 2019 16:55

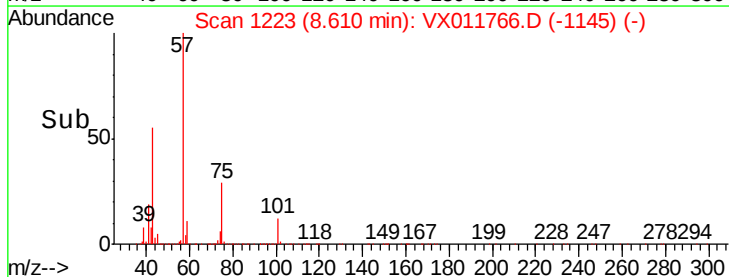
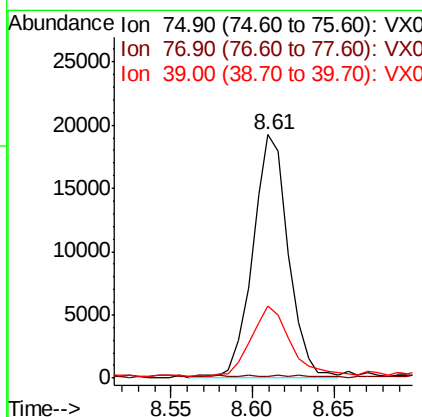
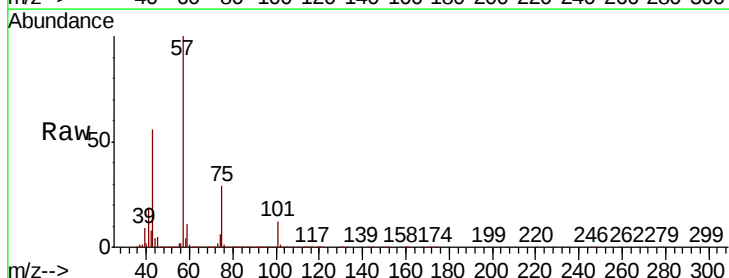
Instrument :
 MSVOA_X
 ClientSampleId :
 T4-E-(2)

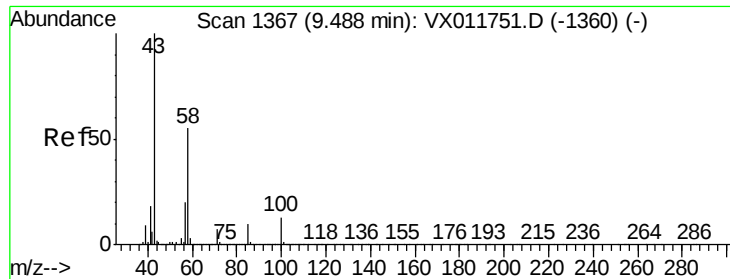
Tgt Ion: 43 Resp: 60220
 Ion Ratio Lower Upper
 43 100
 58 9.0 31.8 47.6#



#54
 cis-1,3-Dichloropropene
 Concen: 5.205 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011766.D
 Acq: 22 Aug 2019 16:55

Tgt Ion: 75 Resp: 29237
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.4 38.2#
 39 27.2 36.2 54.4#

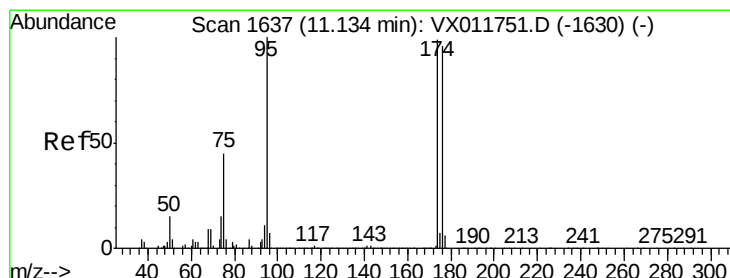
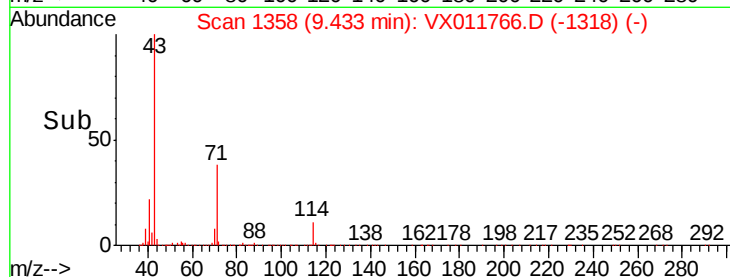
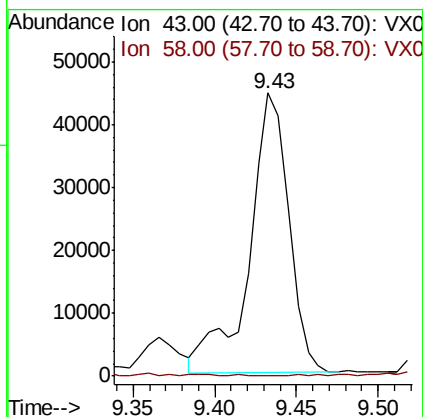
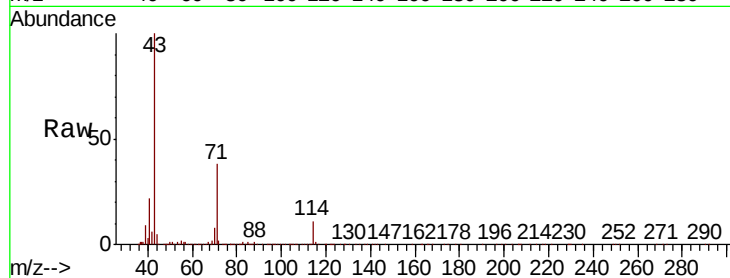




#59
2-Hexanone
Concen: 18.274 ug/l
RT: 9.43 min Scan# 1358
Delta R.T. -0.05 min
Lab File: VX011766.D
Acq: 22 Aug 2019 16:55

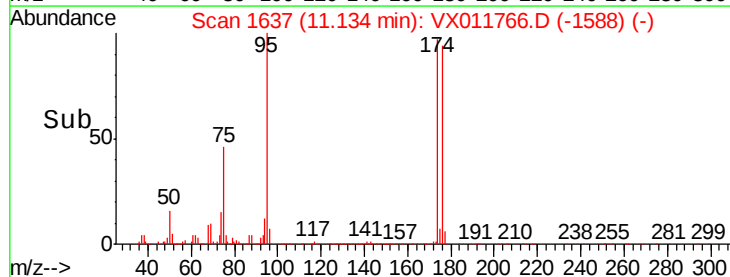
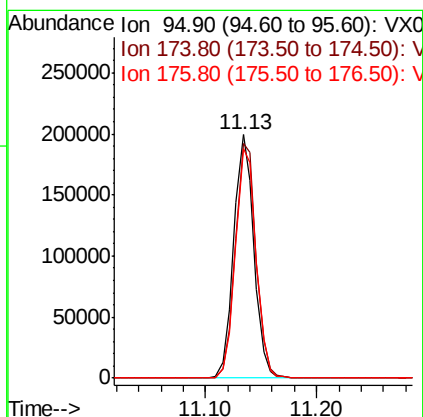
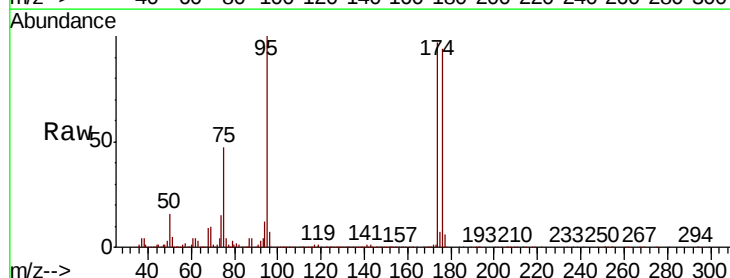
Instrument :
MSVOA_X
ClientSampled :
T4-E-(2)

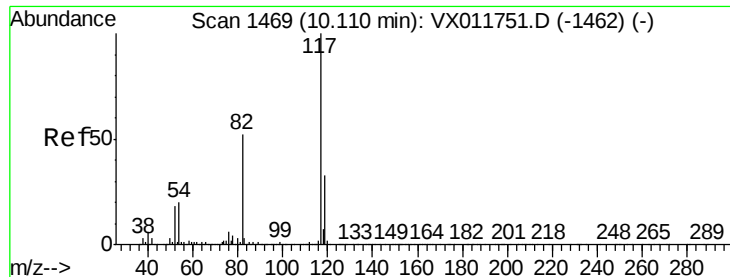
Tgt Ion: 43 Resp: 75229
Ion Ratio Lower Upper
43 100
58 0.6 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 45.979 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011766.D
Acq: 22 Aug 2019 16:55

Tgt Ion: 95 Resp: 248424
Ion Ratio Lower Upper
95 100
174 99.9 0.0 197.4
176 97.0 0.0 194.4

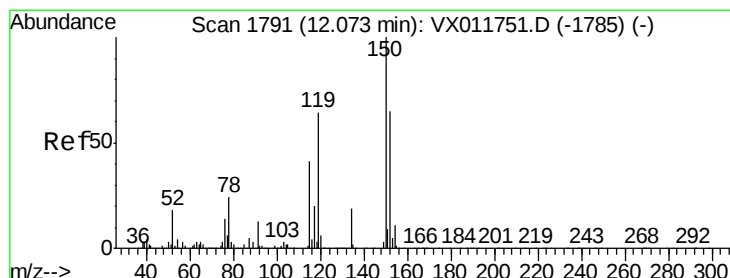
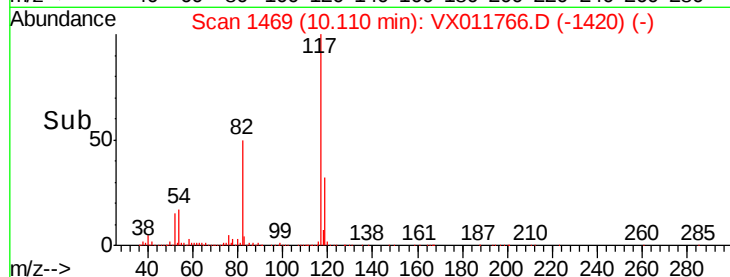
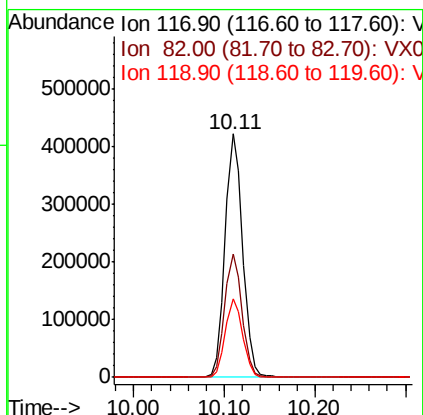
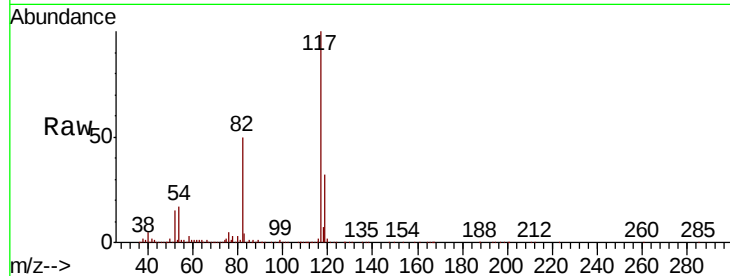




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011766.D
Acq: 22 Aug 2019 16:55

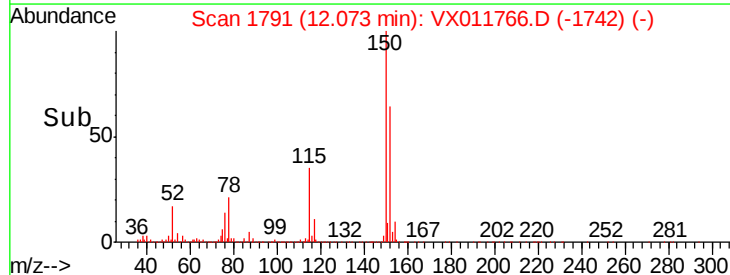
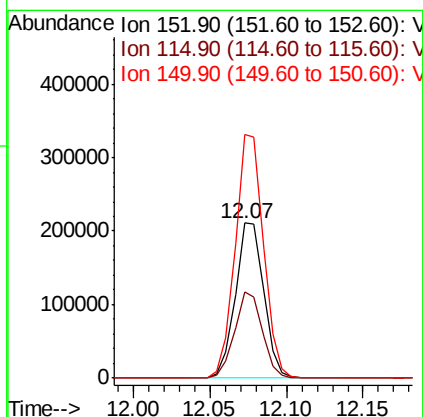
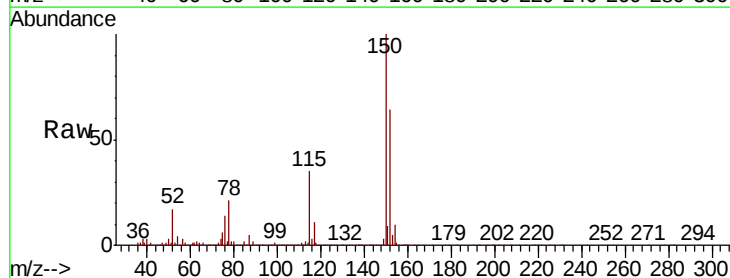
Instrument :
MSVOA_X
ClientSampled :
T4-E-(2)

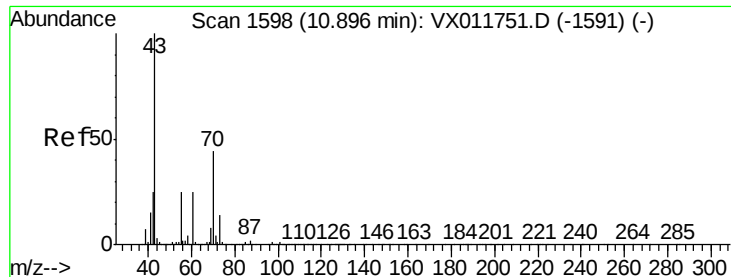
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.4	41.7	62.5
119	32.2	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX011766.D
Acq: 22 Aug 2019 16:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	37.3	111.8
150	156.6	0.0	343.0





#74

N-ethyl acetate

Concen: 0.429 ug/l

RT: 10.83 min Scan# 1587

Delta R.T. -0.07 min

Lab File: VX011766.D

Acq: 22 Aug 2019 16:55

Instrument :

MSVOA_X

ClientSampleId :

T4-E-(2)

Tgt Ion: 43 Resp: 2715

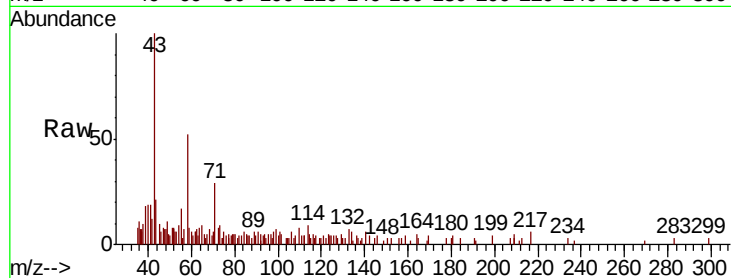
Ion Ratio Lower Upper

43 100

70 18.3 34.8 52.2#

55 12.0 19.5 29.3#

61 0.0 19.8 29.6#

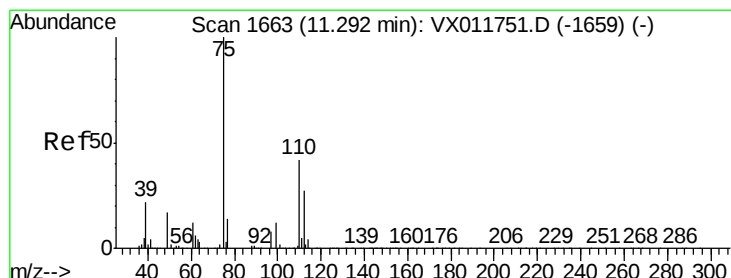
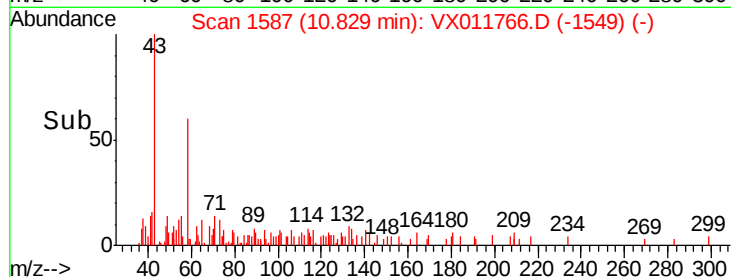
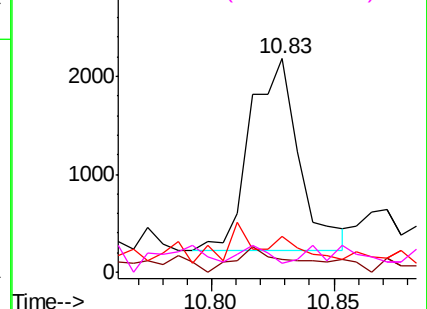


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.037 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011766.D

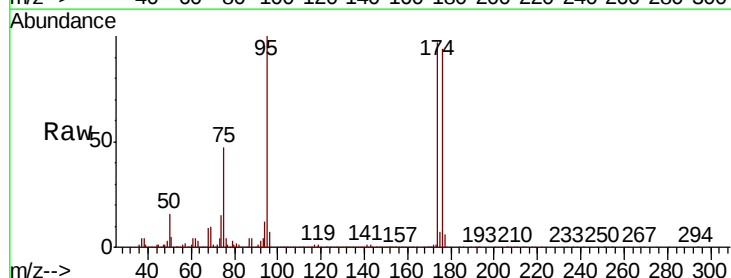
Acq: 22 Aug 2019 16:55

Tgt Ion: 75 Resp: 114446

Ion Ratio Lower Upper

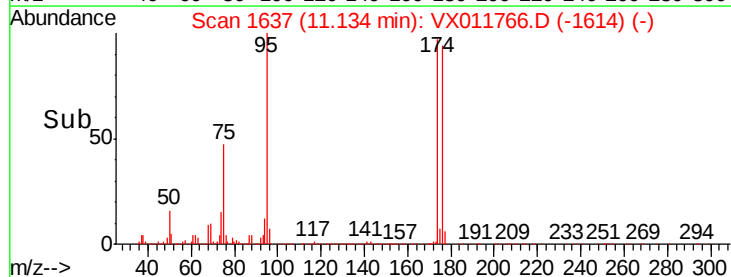
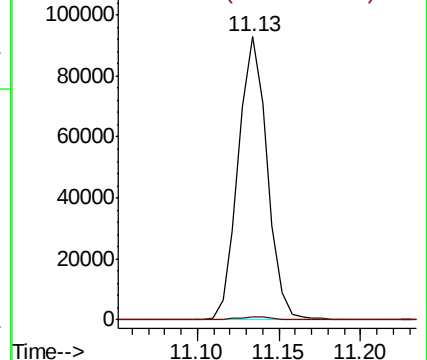
75 100

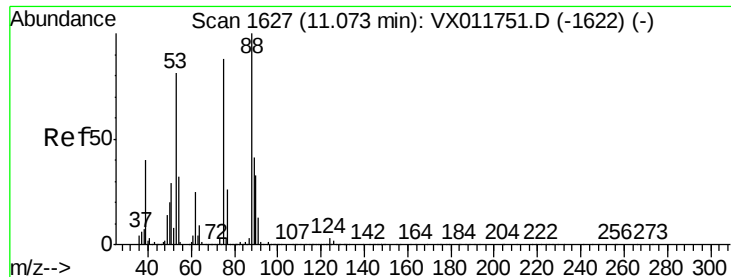
77 1.4 21.1 63.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

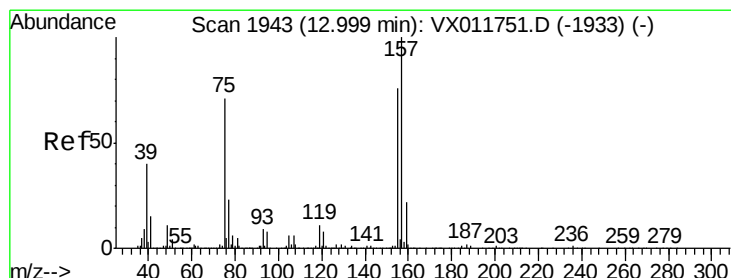
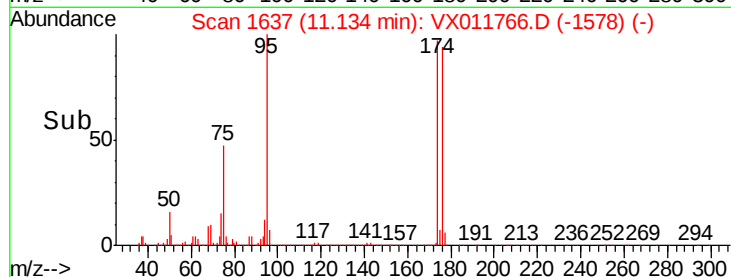
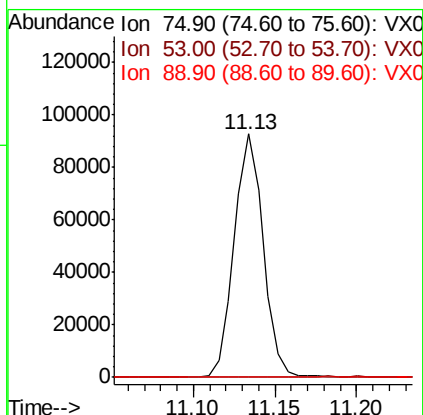
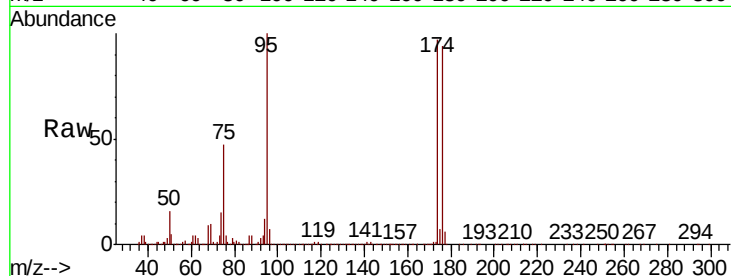




#81
trans-1,4-Dichloro-2-butene
Concen: 72.489 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011766.D
Acq: 22 Aug 2019 16:55

Instrument :
MSVOA_X
ClientSampleId :
T4-E-(2)

Tgt Ion: 75 Resp: 114446
Ion Ratio Lower Upper
75 100
53 0.4 77.1 115.7#
89 0.2 38.5 57.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.262 ug/l
RT: 12.98 min Scan# 1940
Delta R.T. -0.02 min
Lab File: VX011766.D
Acq: 22 Aug 2019 16:55

Tgt Ion: 75 Resp: 330
Ion Ratio Lower Upper
75 100
155 5.8 52.6 157.9#
157 20.6 68.3 204.9#

