

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081119\
 Data File : VX011457.D
 Acq On : 12 Aug 2019 02:21
 Operator : JC/SP
 Sample : K4277-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-20

Quant Time: Aug 12 07:57:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	197960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	296673	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	276724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	125271	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	105989	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
35) Dibromofluoromethane	5.49	113	90298	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
50) Toluene-d8	8.71	98	359149	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.13	95	119939	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	

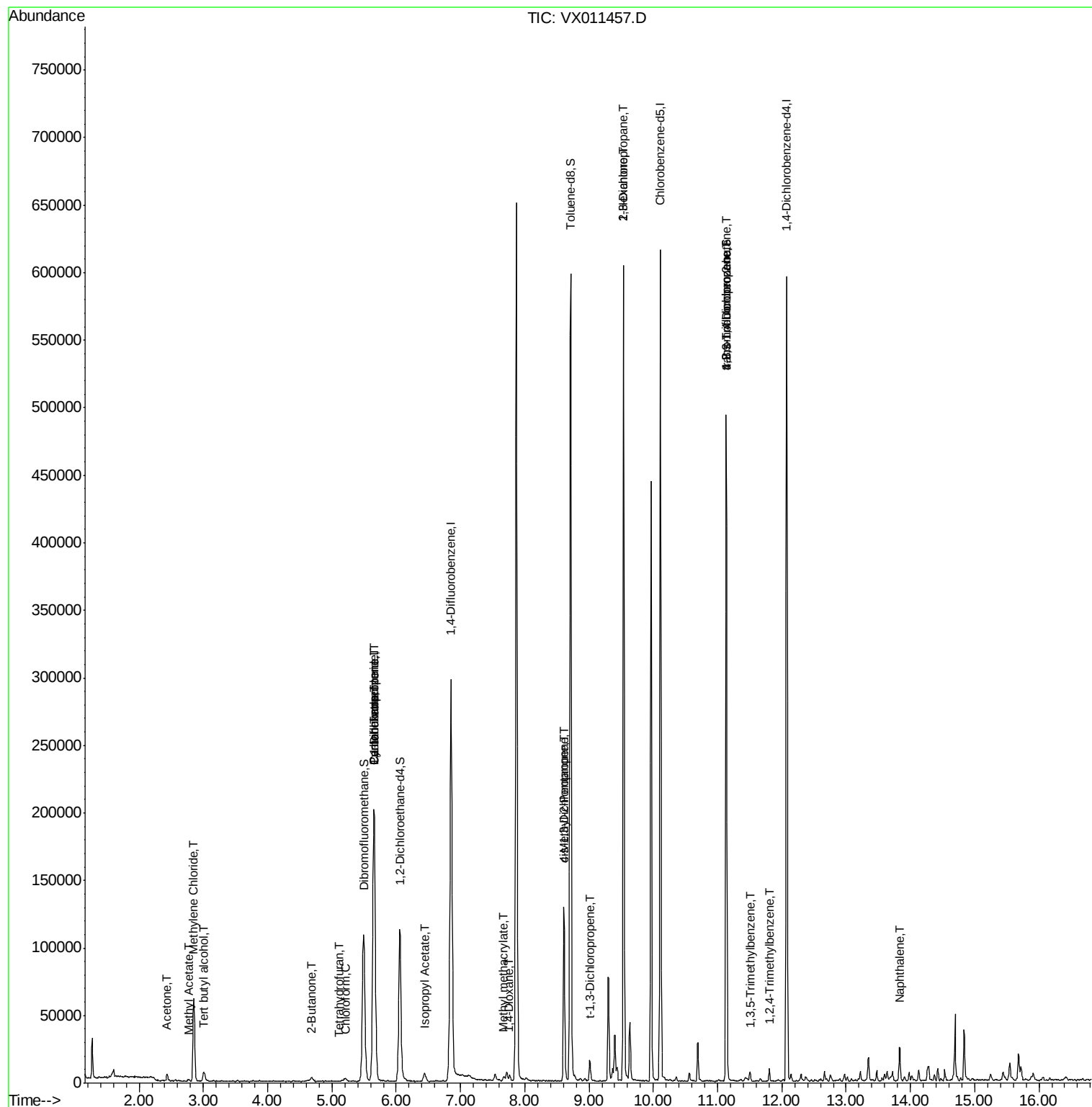
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	170	Below Cal	#	43
11) Tert butyl alcohol	3.00	59	3999	10.081	ug/l #	84
13) Acrolein	2.28	56	40	Below Cal	#	15
16) Acetone	2.43	43	4962	5.229	ug/l	90
18) Methyl Acetate	2.77	43	1397	0.644	ug/l	94
20) Methylene Chloride	2.85	84	29070	13.989	ug/l	94
25) 2-Butanone	4.67	43	462	0.342	ug/l	99
29) Tetrahydrofuran	5.11	42	251	0.303	ug/l #	48
30) Chloroform	5.21	83	2336	0.691	ug/l	84
31) Cyclohexane	5.65	56	3872	1.508	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14300	5.521	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19275	7.397	ug/l #	14
43) Isopropyl Acetate	6.43	43	8207	1.976	ug/l	99
48) Methyl methacrylate	7.67	41	3942	2.016	ug/l #	22
49) 1,4-Dioxane	7.75	88	20	0.353	ug/l #	29
51) 4-Methyl-2-Pentanone	8.61	43	40845	15.236	ug/l #	48
53) t-1,3-Dichloropropene	9.02	75	87	2.867	ug/l #	43
54) cis-1,3-Dichloropropene	8.61	75	20038	6.933	ug/l #	65
57) 1,3-Dichloropropane	9.54	76	5202	1.565	ug/l #	41
59) 2-Hexanone	9.54	43	67865	32.683	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	60740	26.625	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	2597	0.362	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	60740	69.185	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	3742	0.524	ug/l	99
95) Naphthalene	13.83	128	15425	1.886	ug/l	97

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011457.D

Acq: 12 Aug 2019 02:21

Instrument :

MSVOA_X

ClientSampled :

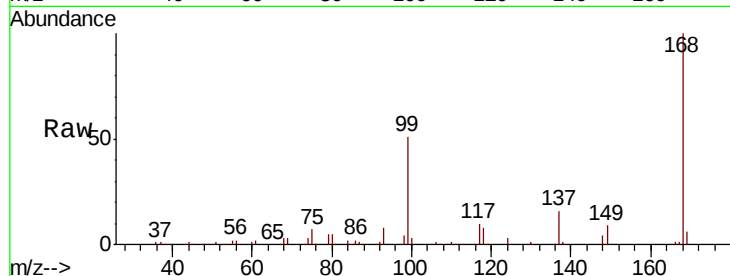
TP-20

Tgt Ion:168 Resp: 197960

Ion Ratio Lower Upper

168 100

99 50.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

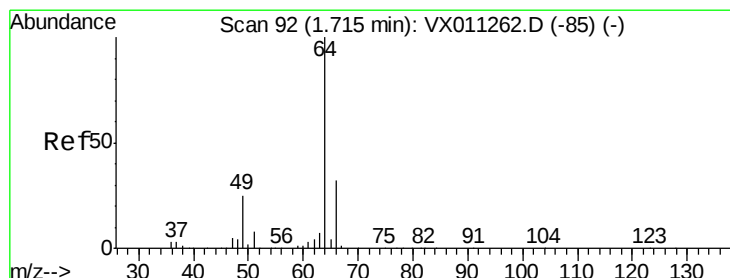
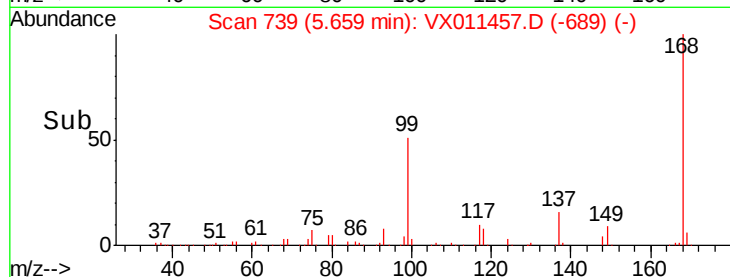
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX011457.D

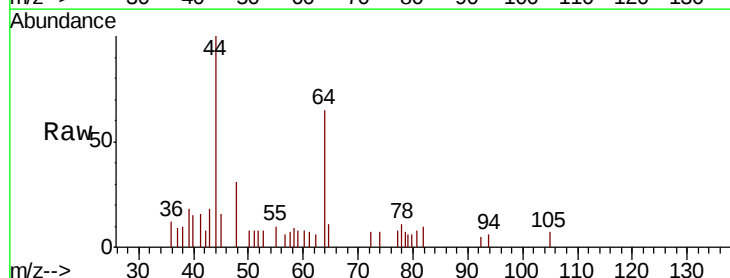
Acq: 12 Aug 2019 02:21

Tgt Ion: 64 Resp: 170

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.75

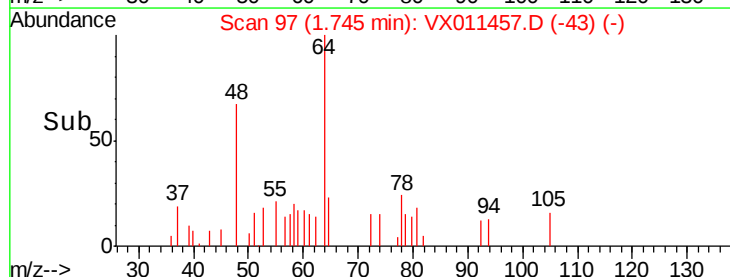
600

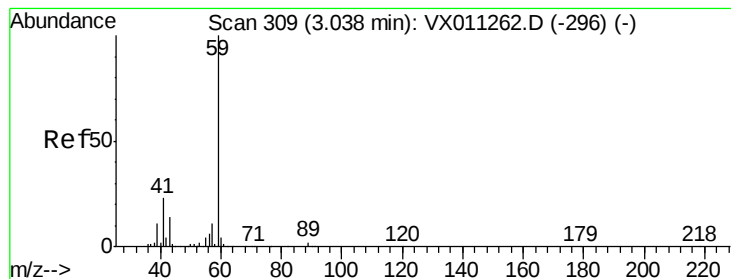
400

200

0

Time--> 1.72 1.74 1.76



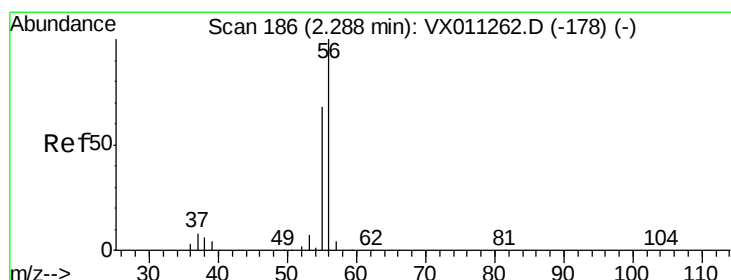
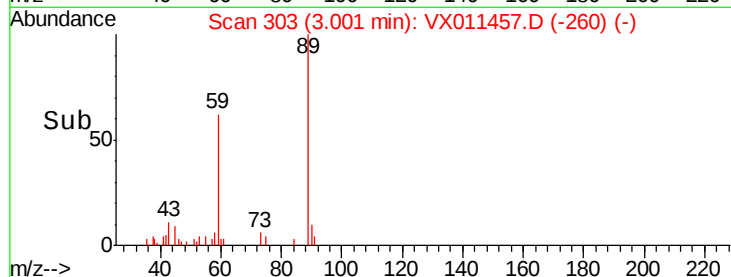
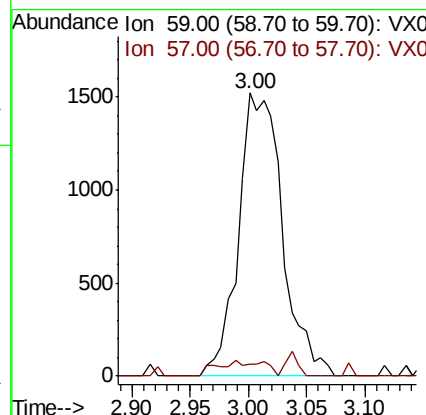
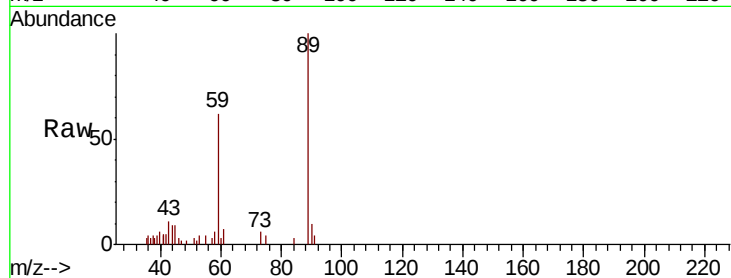


#11

Tert butyl alcohol
 Concen: 10.081 ug/l
 RT: 3.00 min Scan# 303
 Delta R.T. -0.04 min
 Lab File: VX011457.D
 Acq: 12 Aug 2019 02:21

Instrument :
 MSVOA_X
 ClientSampled :
 TP-20

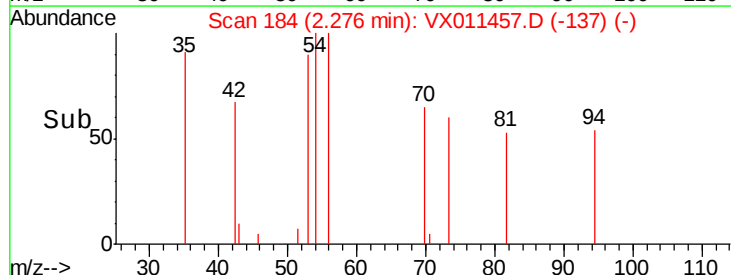
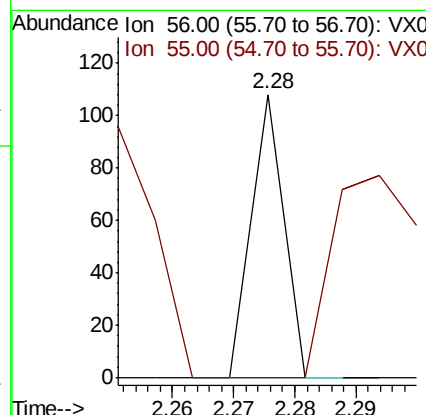
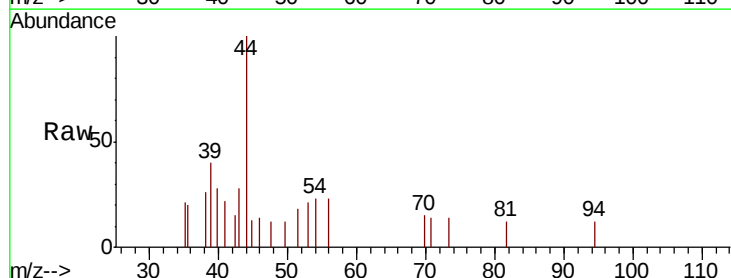
Tgt Ion: 59 Resp: 3999
 Ion Ratio Lower Upper
 59 100
 57 4.5 8.3 12.5#

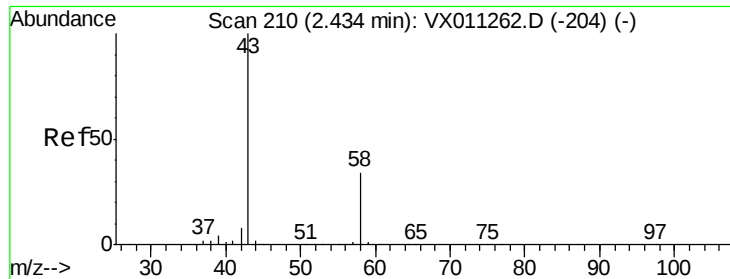


#13

Acrolein
 Concen: Below Cal
 RT: 2.28 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VX011457.D
 Acq: 12 Aug 2019 02:21

Tgt Ion: 56 Resp: 40
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.0 84.0#





#16

Acetone

Concen: 5.229 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011457.D

Acq: 12 Aug 2019 02:21

Instrument :

MSVOA_X

ClientSampled :

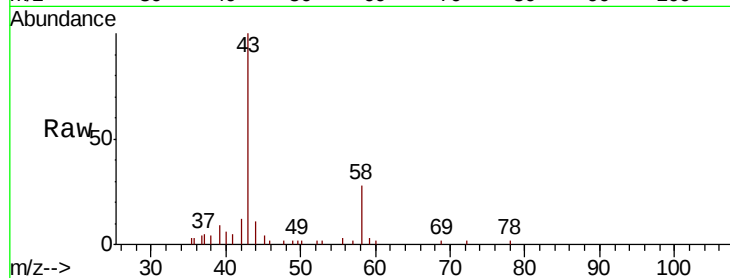
TP-20

Tgt Ion: 43 Resp: 4962

Ion Ratio Lower Upper

43 100

58 28.3 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

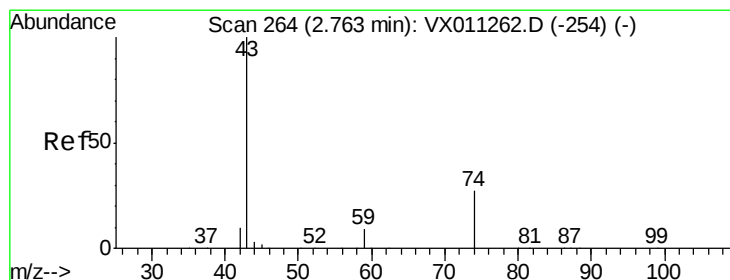
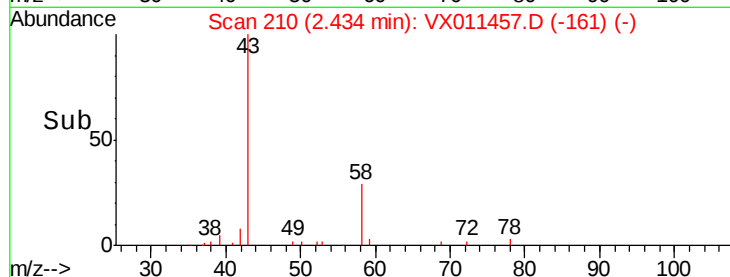
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 0.644 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011457.D

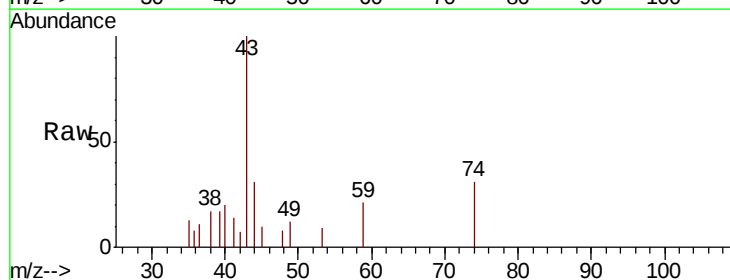
Acq: 12 Aug 2019 02:21

Tgt Ion: 43 Resp: 1397

Ion Ratio Lower Upper

43 100

74 29.6 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

800

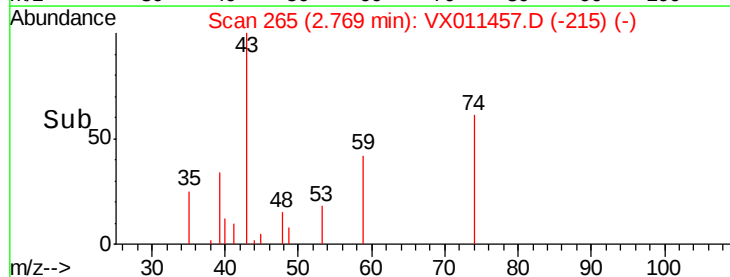
600

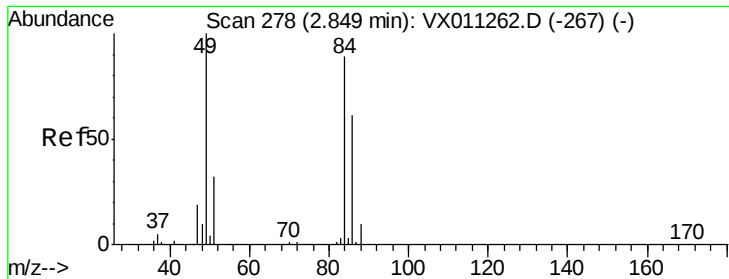
400

200

0

Time--> 2.70 2.75 2.80

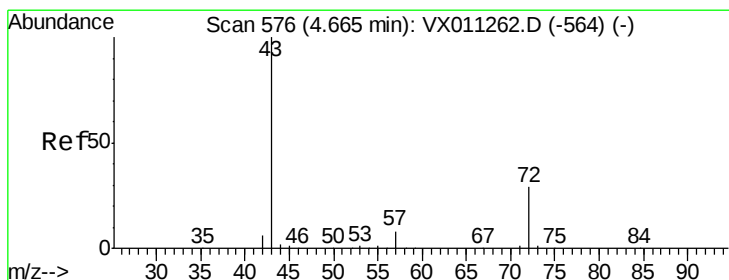
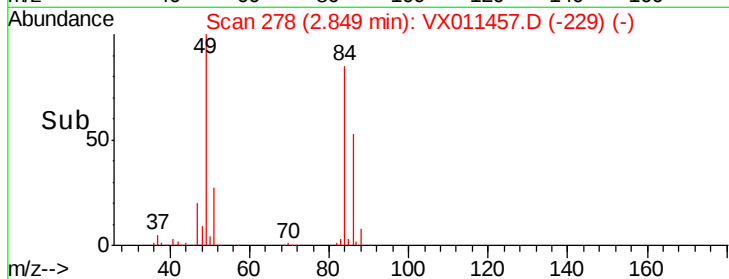
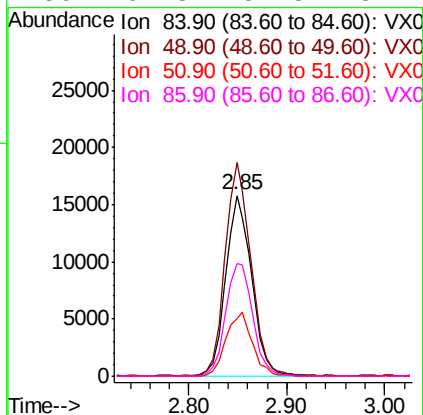
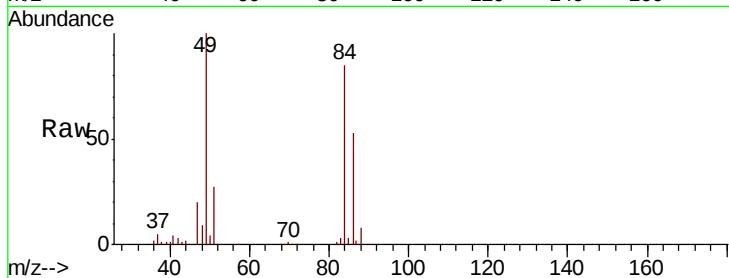




#20
Methylene Chloride
Concen: 13.989 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011457.D
Acq: 12 Aug 2019 02:21

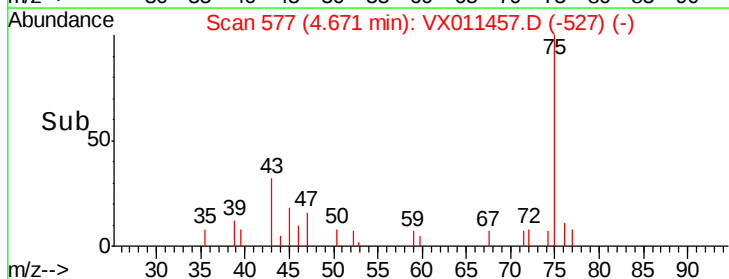
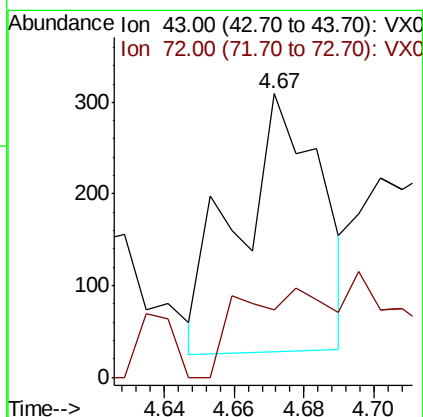
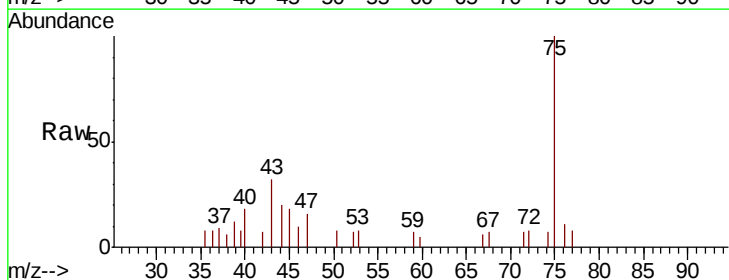
Instrument :
MSVOA_X
ClientSampled :
TP-20

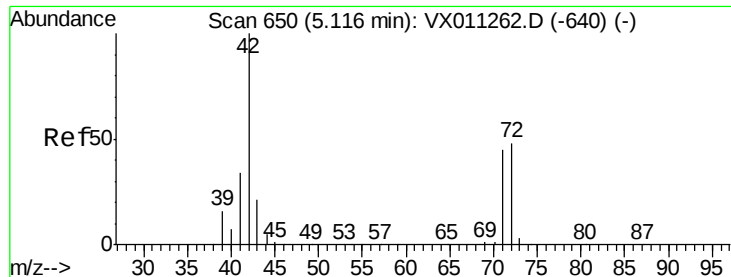
Tgt Ion:	84	Resp:	29070
Ion	Ratio	Lower	Upper
84	100		
49	118.2	89.3	133.9
51	32.1	28.3	42.5
86	62.3	54.5	81.7



#25
2-Butanone
Concen: 0.342 ug/l
RT: 4.67 min Scan# 577
Delta R.T. 0.01 min
Lab File: VX011457.D
Acq: 12 Aug 2019 02:21

Tgt Ion:	43	Resp:	462
Ion	Ratio	Lower	Upper
43	100		
72	29.6	23.2	34.8

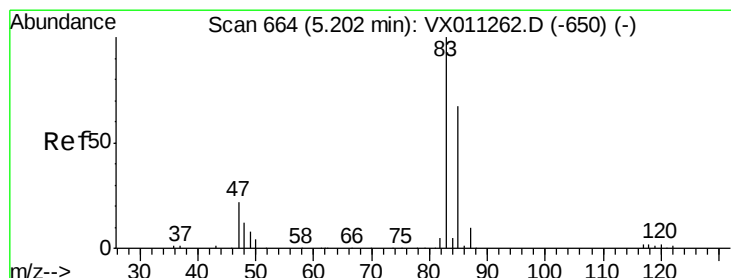
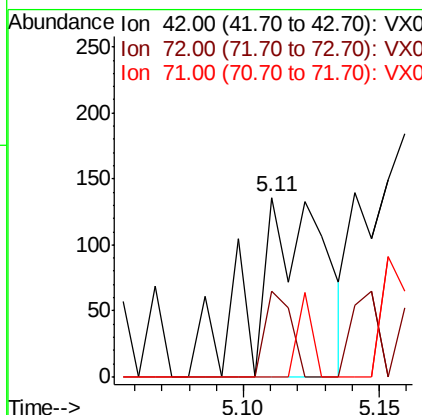
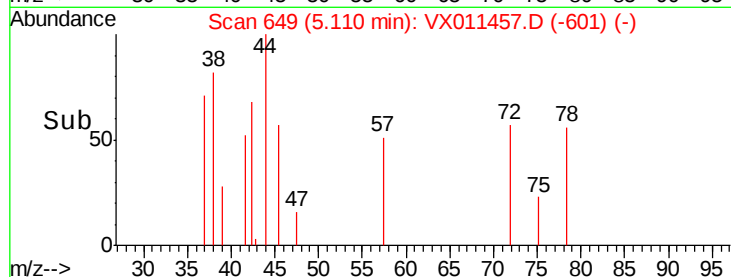
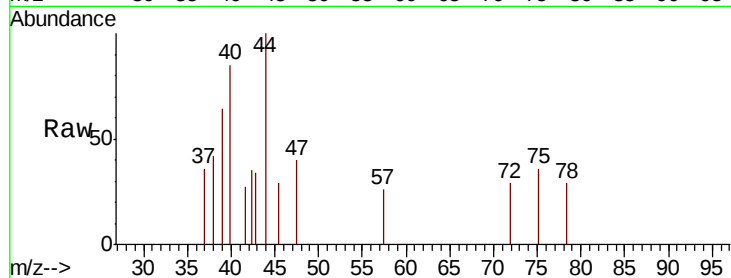




#29
Tetrahydrofuran
Concen: 0.303 ug/l
RT: 5.11 min Scan# 649
Delta R.T. -0.01 min
Lab File: VX011457.D
Acq: 12 Aug 2019 02:21

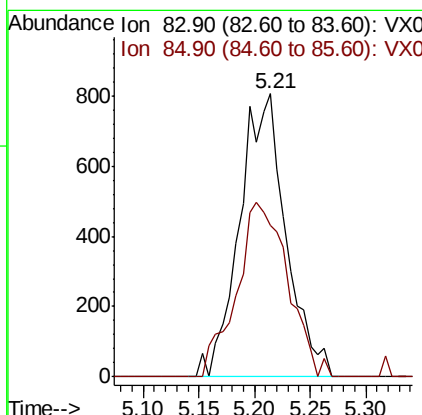
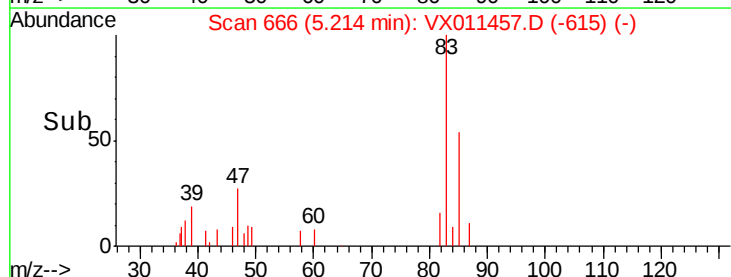
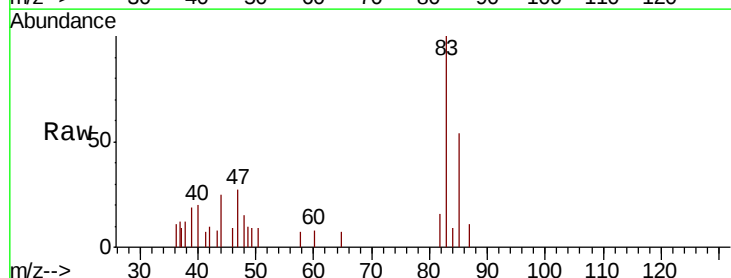
Instrument :
MSVOA_X
ClientSampled :
TP-20

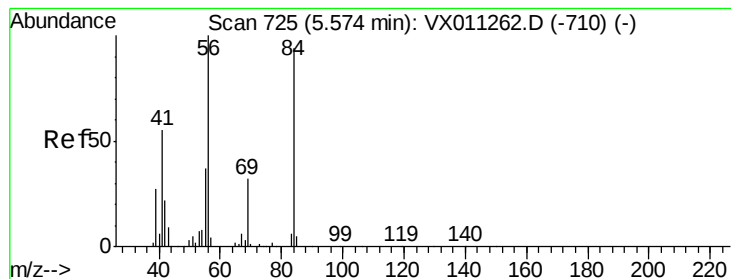
Tgt Ion: 42 Resp: 251
Ion Ratio Lower Upper
42 100
72 17.1 39.9 59.9#
71 9.2 36.9 55.3#



#30
Chloroform
Concen: 0.691 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX011457.D
Acq: 12 Aug 2019 02:21

Tgt Ion: 83 Resp: 2336
Ion Ratio Lower Upper
83 100
85 53.5 53.4 80.0





#31

Cyclohexane

Concen: 1.508 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX011457.D

Acq: 12 Aug 2019 02:21

Instrument :

MSVOA_X

ClientSampled :

TP-20

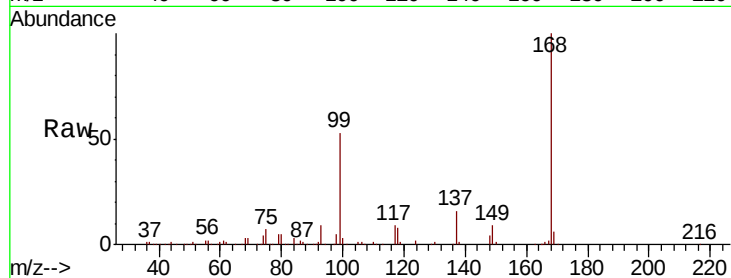
Tgt Ion: 56 Resp: 3872

Ion Ratio Lower Upper

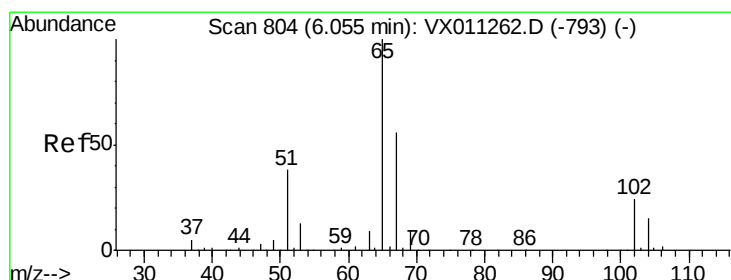
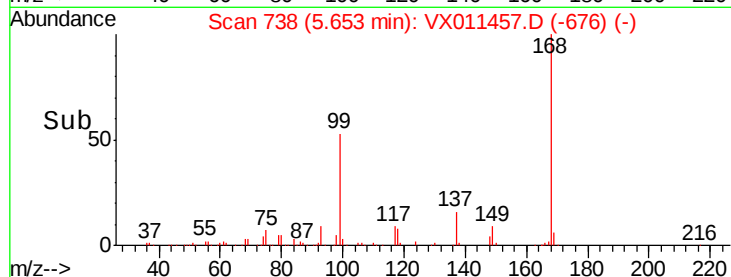
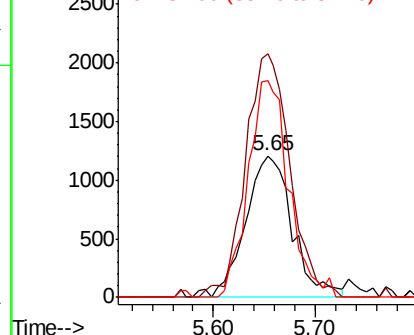
56 100

69 172.2 25.5 38.3#

84 153.2 75.0 112.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.166 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011457.D

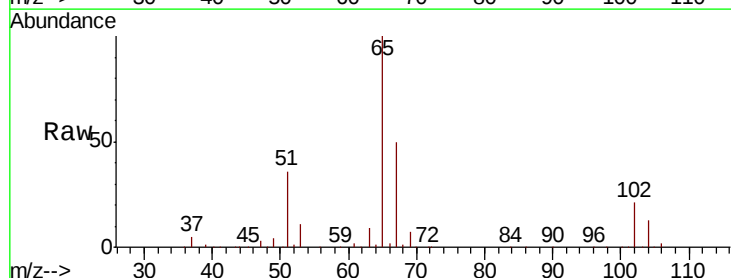
Acq: 12 Aug 2019 02:21

Tgt Ion: 65 Resp: 105989

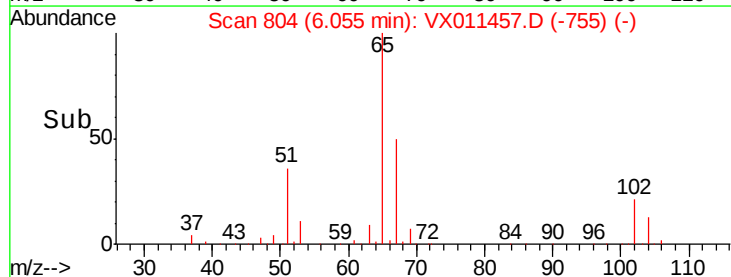
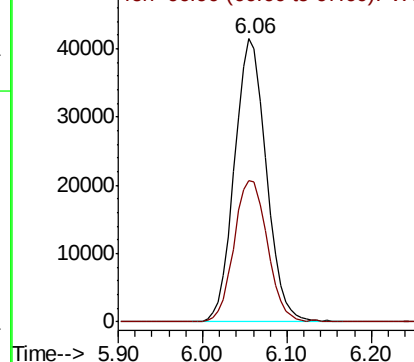
Ion Ratio Lower Upper

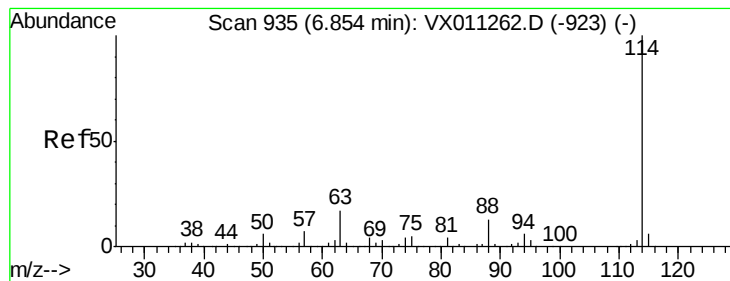
65 100

67 52.5 0.0 110.6



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: VX011457.D

Acq: 12 Aug 2019 02:21

Instrument :

MSVOA_X

ClientSampleId :

TP-20

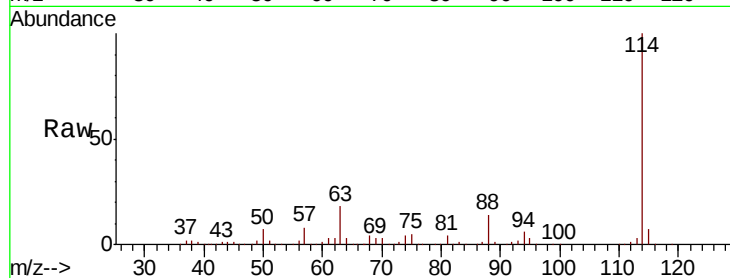
Tgt Ion:114 Resp: 296673

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.0

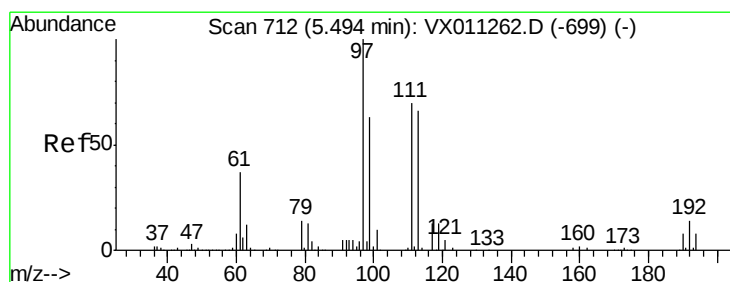
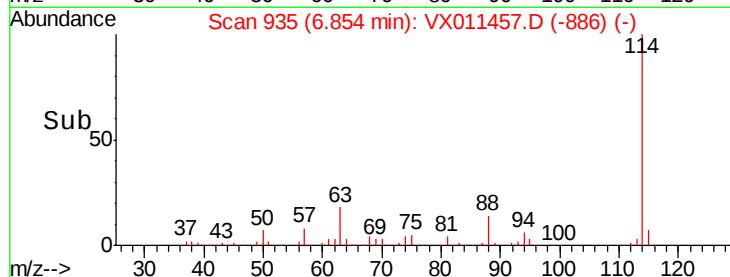
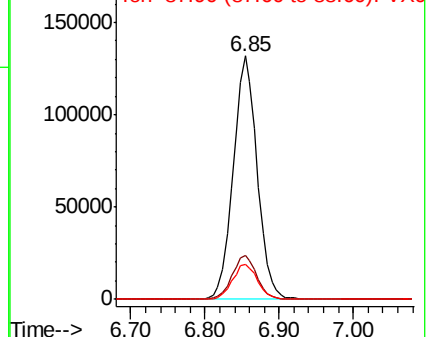
88 14.5 0.0 26.4



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: 46.620 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011457.D

Acq: 12 Aug 2019 02:21

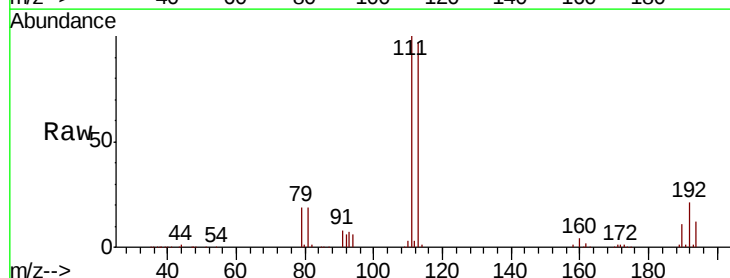
Tgt Ion:113 Resp: 90298

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

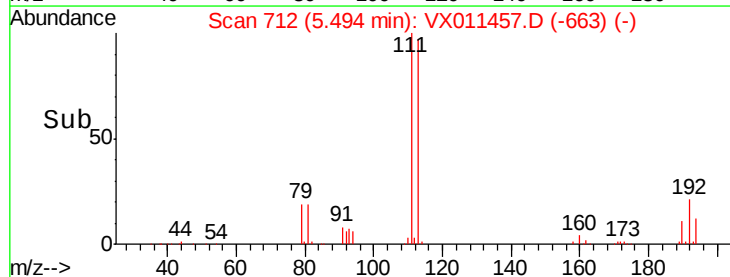
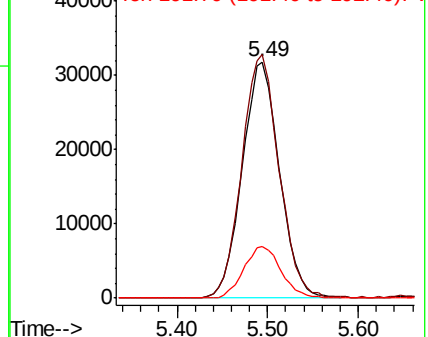
192 22.1 17.8 26.8

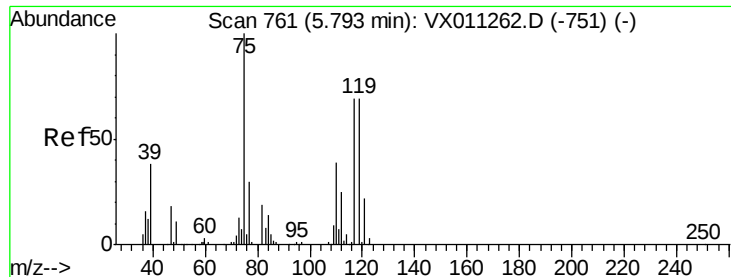


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

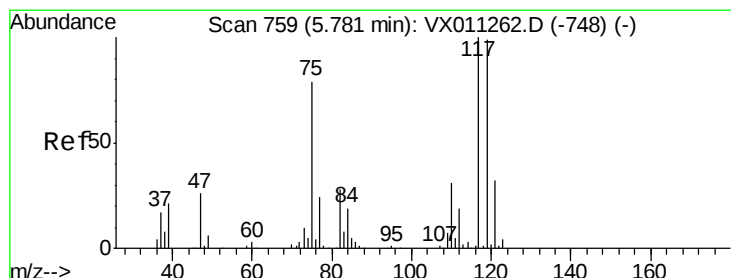
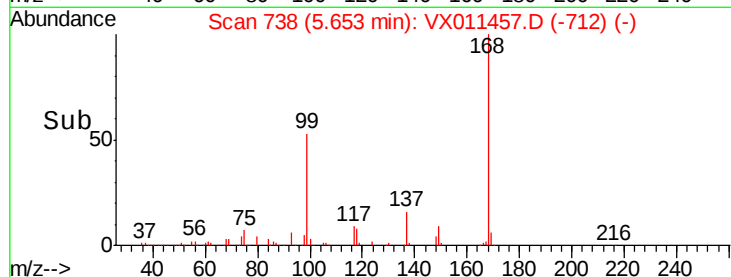
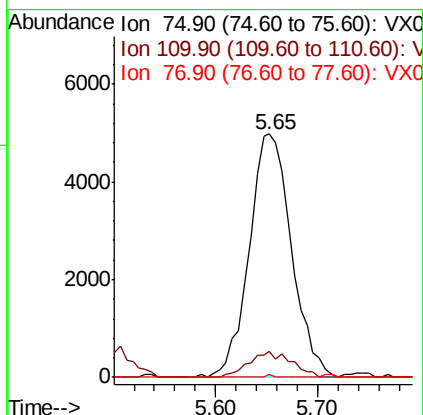
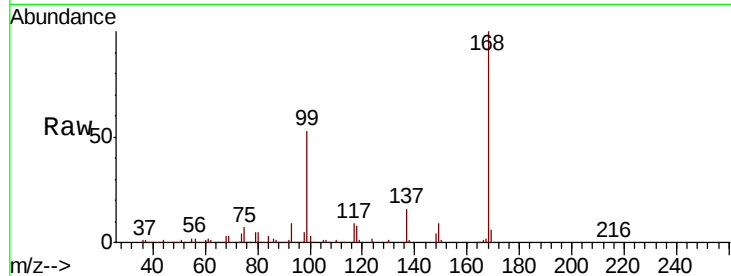




#36
 1,1-Dichloropropene
 Concen: 5.521 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011457.D
 Acq: 12 Aug 2019 02:21

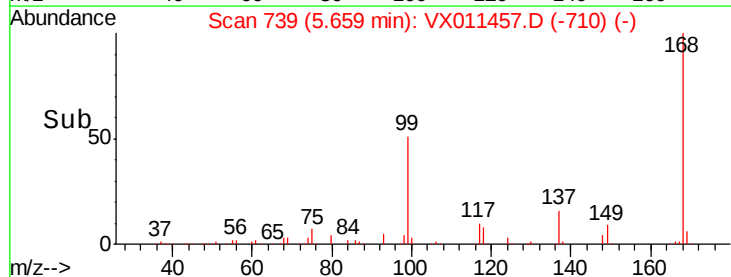
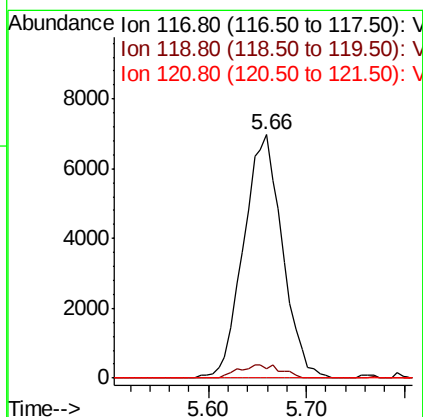
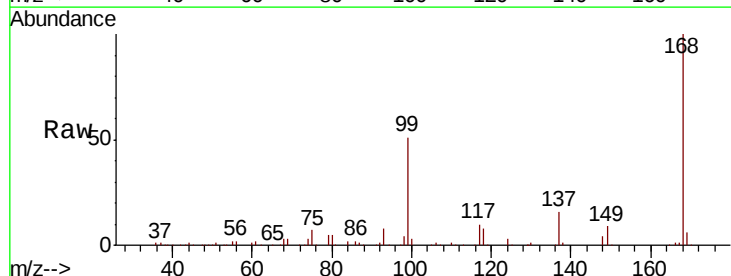
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-20

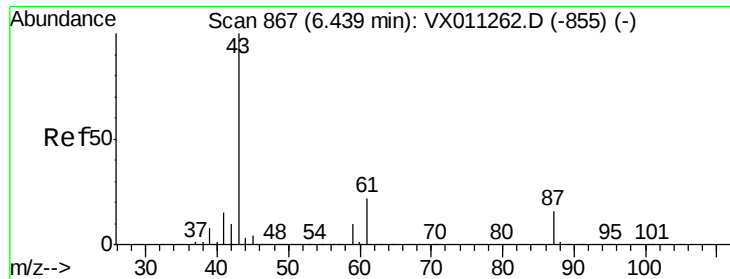
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.7	20.0	59.9#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.397 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011457.D
 Acq: 12 Aug 2019 02:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	79.0	118.4#
121	0.0	25.9	38.9#

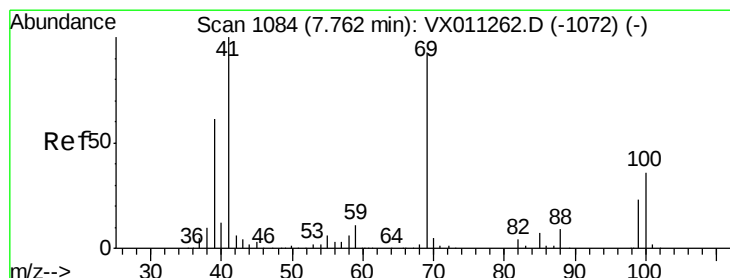
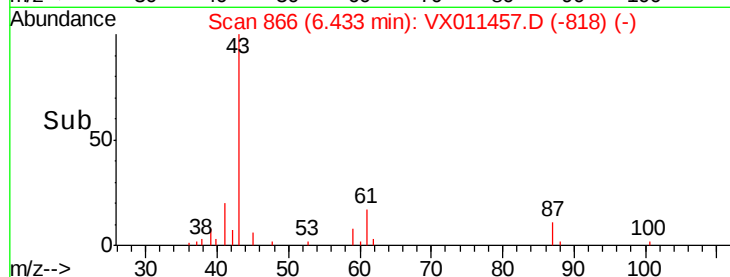
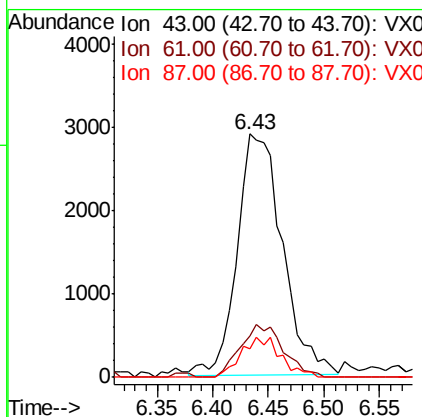
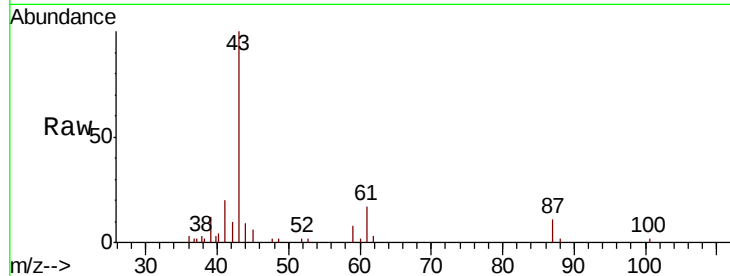




#43
Isopropyl Acetate
Concen: 1.976 ug/l
RT: 6.43 min Scan# 866
Delta R.T. -0.01 min
Lab File: VX011457.D
Acq: 12 Aug 2019 02:21

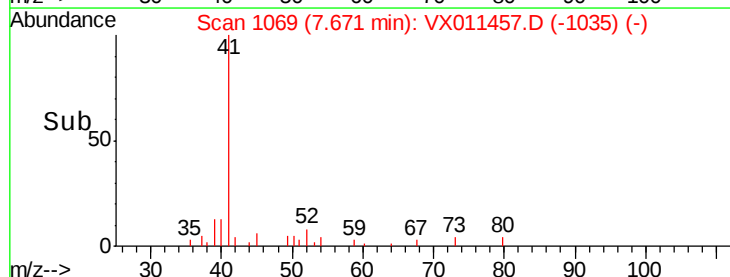
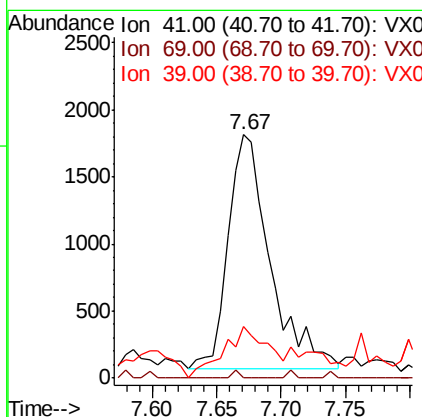
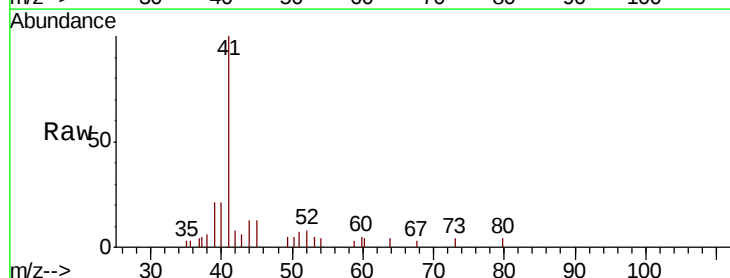
Instrument :
MSVOA_X
ClientSampleId :
TP-20

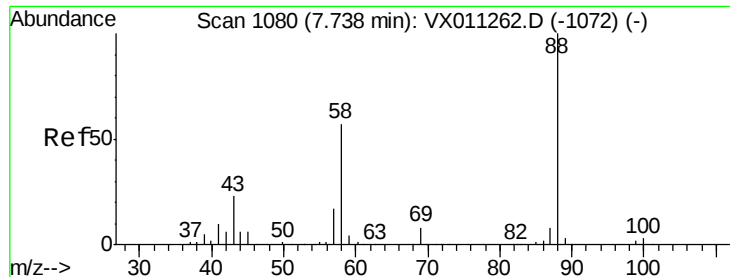
Tgt Ion: 43 Resp: 8207
Ion Ratio Lower Upper
43 100
61 20.8 16.5 24.7
87 14.5 12.1 18.1



#48
Methyl methacrylate
Concen: 2.016 ug/l
RT: 7.67 min Scan# 1069
Delta R.T. -0.09 min
Lab File: VX011457.D
Acq: 12 Aug 2019 02:21

Tgt Ion: 41 Resp: 3942
Ion Ratio Lower Upper
41 100
69 0.5 74.5 111.7#
39 23.4 48.6 72.8#

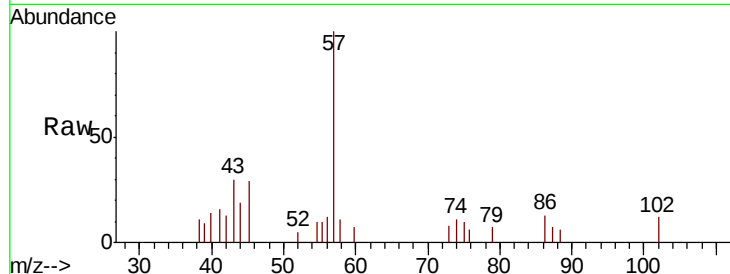




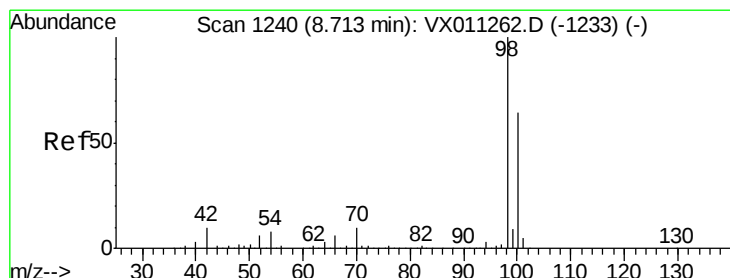
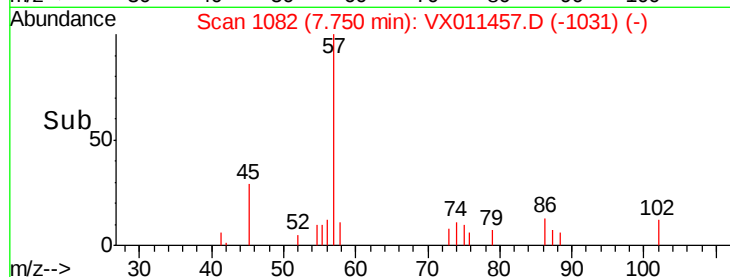
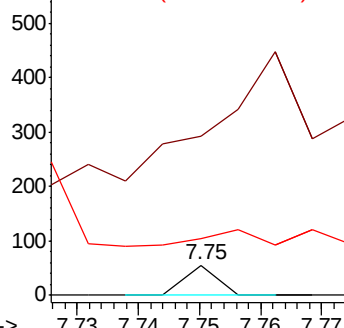
#49
 1,4-Dioxane
 Concen: 0.353 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.01 min
 Lab File: VX011457.D
 Acq: 12 Aug 2019 02:21

Instrument :
 MSVOA_X
 ClientSampled :
 TP-20

Tgt Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.2 33.2#
 58 0.0 47.8 71.8#

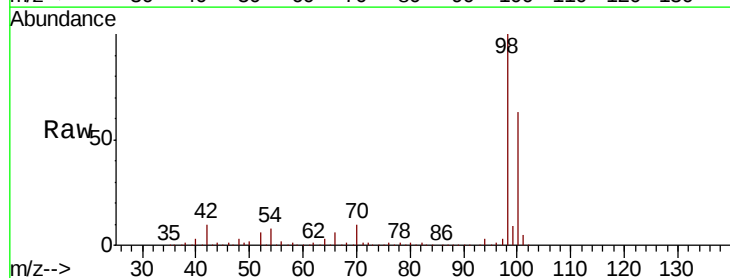


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

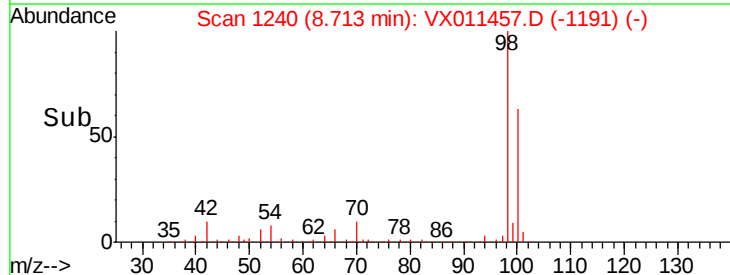
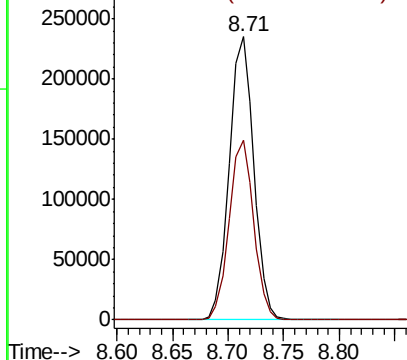


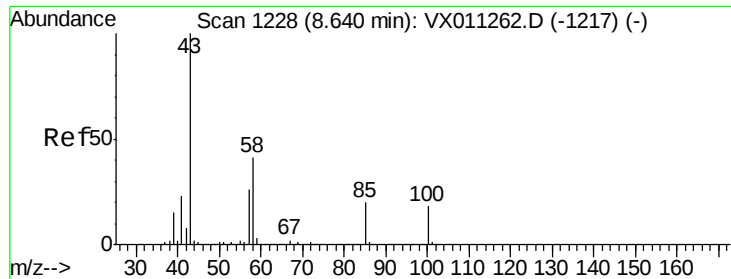
#50
 Toluene-d8
 Concen: 49.123 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX011457.D
 Acq: 12 Aug 2019 02:21

Tgt Ion: 98 Resp: 359149
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0

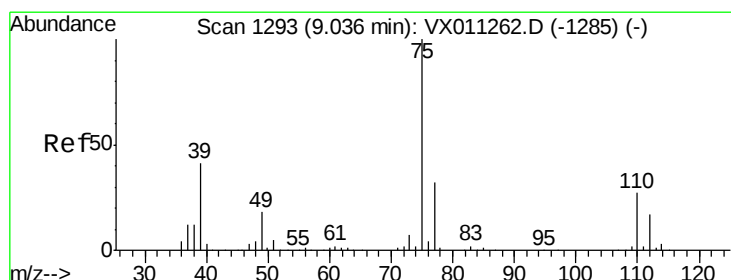
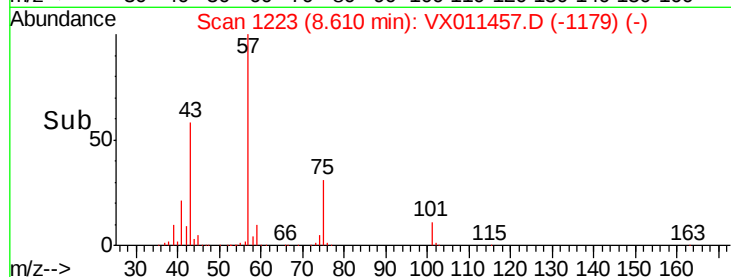
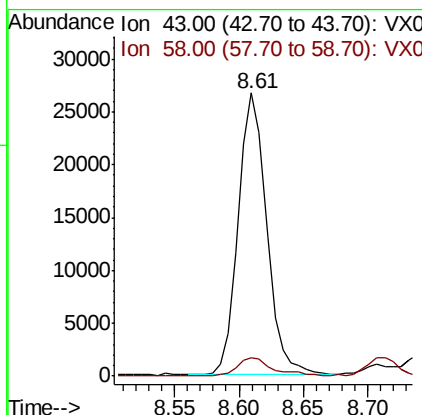
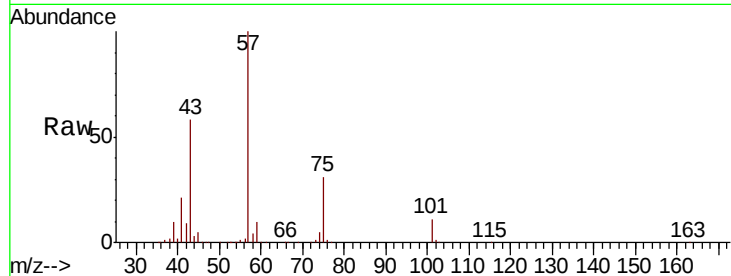




#51
 4-Methyl-2-Pentanone
 Concen: 15.236 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. -0.03 min
 Lab File: VX011457.D
 Acq: 12 Aug 2019 02:21

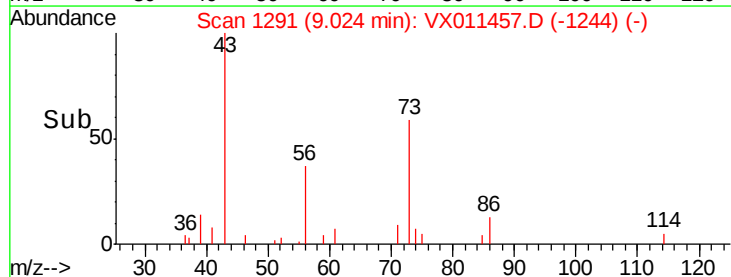
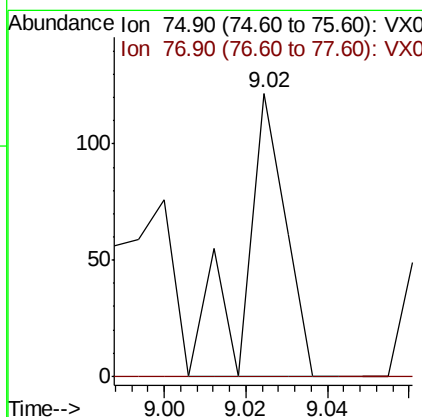
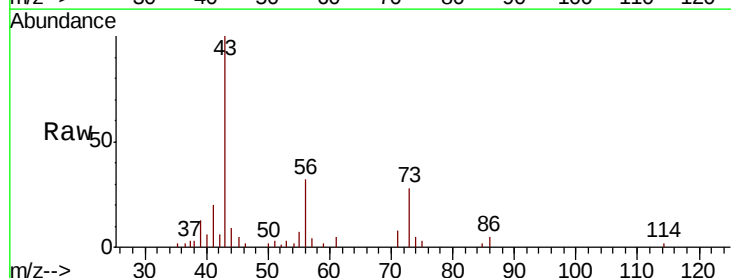
Instrument :
 MSVOA_X
 ClientSampled :
 TP-20

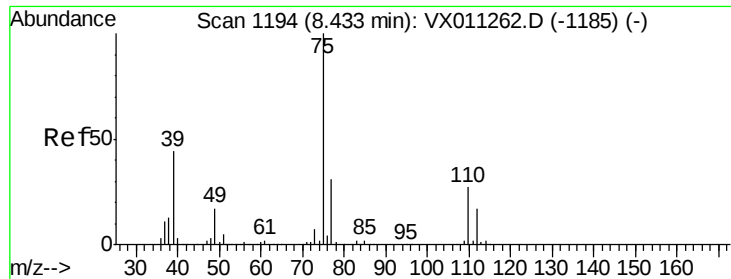
Tgt Ion: 43 Resp: 40845
 Ion Ratio Lower Upper
 43 100
 58 8.3 32.3 48.5#



#53
 t-1,3-Dichloropropene
 Concen: 2.867 ug/l
 RT: 9.02 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VX011457.D
 Acq: 12 Aug 2019 02:21

Tgt Ion: 75 Resp: 87
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



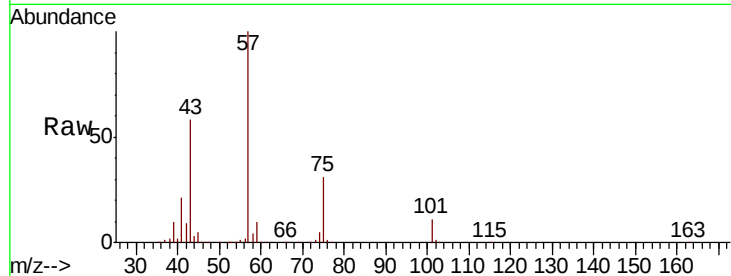


#54

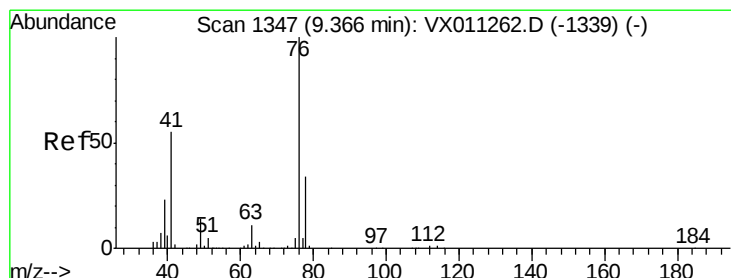
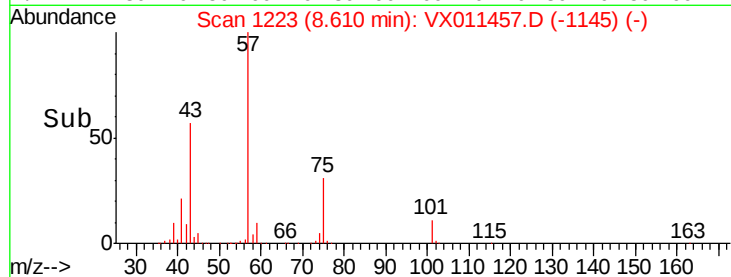
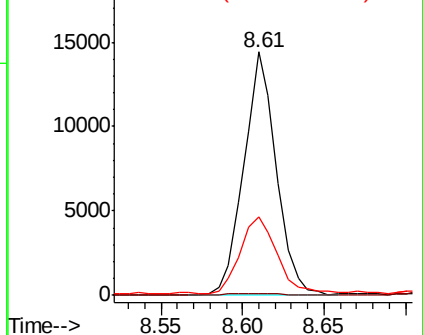
cis-1,3-Dichloropropene
 Concen: 6.933 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011457.D
 Acq: 12 Aug 2019 02:21

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-20

Tgt Ion: 75 Resp: 20038
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.6#
 39 31.3 35.3 52.9#



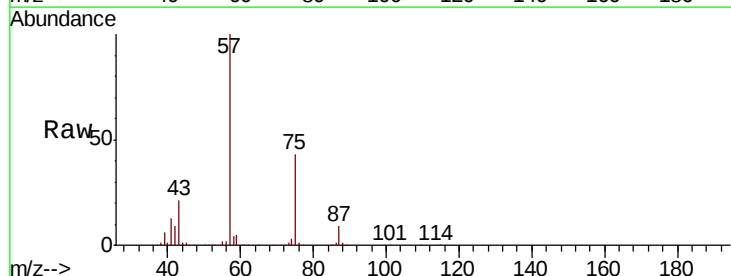
Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0



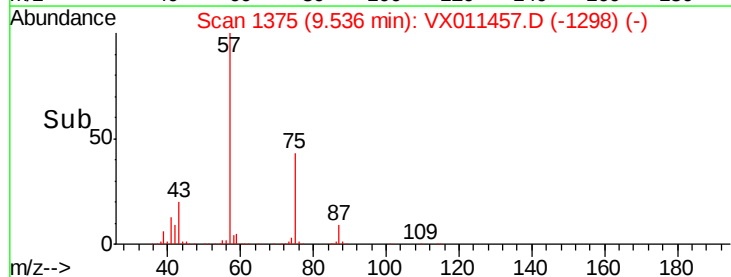
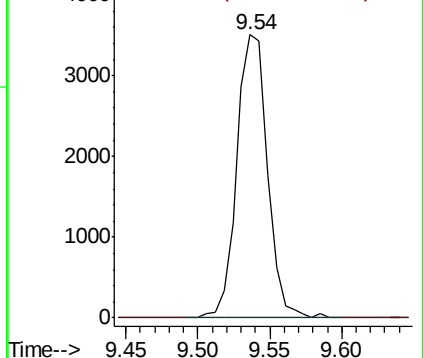
#57

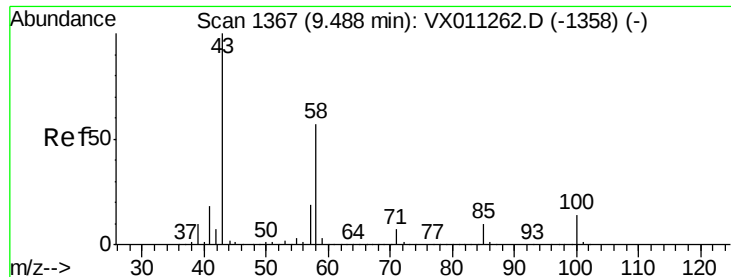
1,3-Dichloropropane
 Concen: 1.565 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.17 min
 Lab File: VX011457.D
 Acq: 12 Aug 2019 02:21

Tgt Ion: 76 Resp: 5202
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.6 40.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0
 Ion 77.90 (77.60 to 78.60): VX0

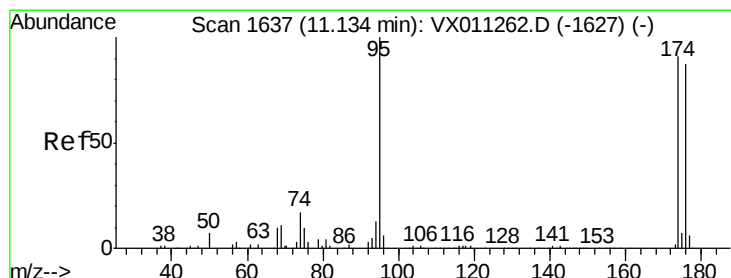
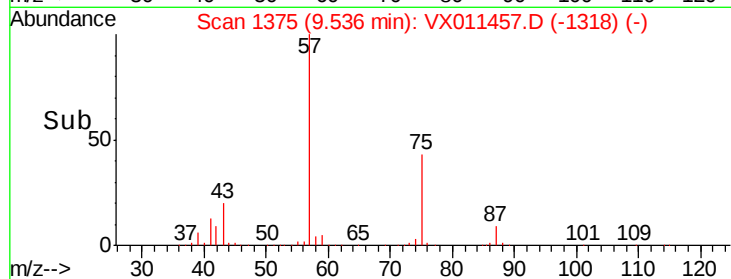
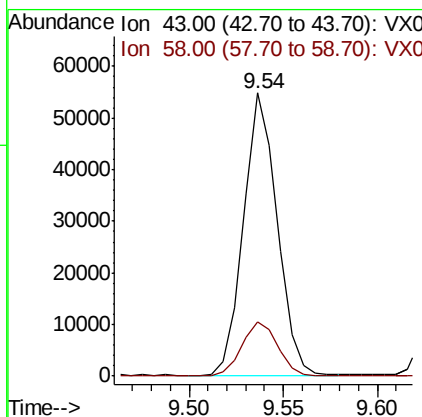
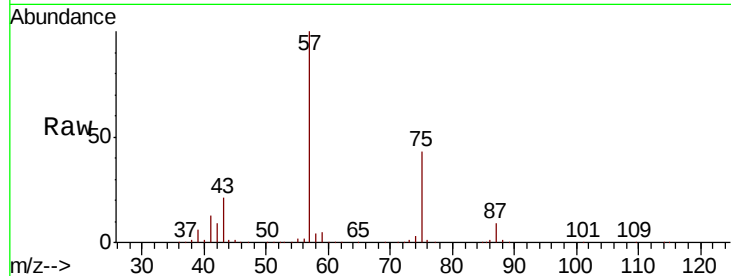




#59
2-Hexanone
Concen: 32.683 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011457.D
Acq: 12 Aug 2019 02:21

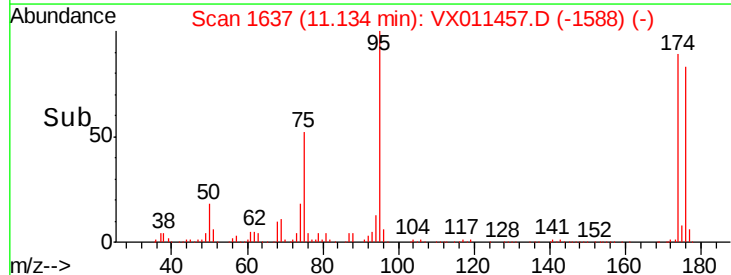
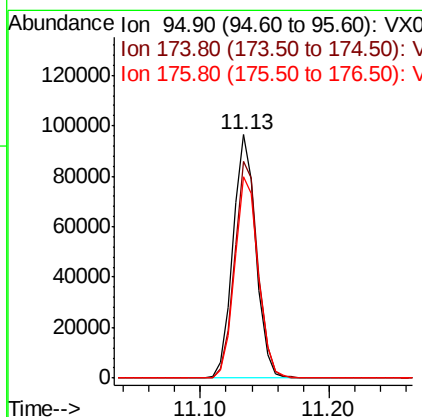
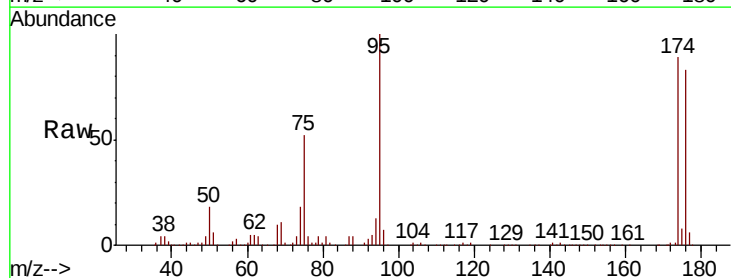
Instrument :
MSVOA_X
ClientSampled :
TP-20

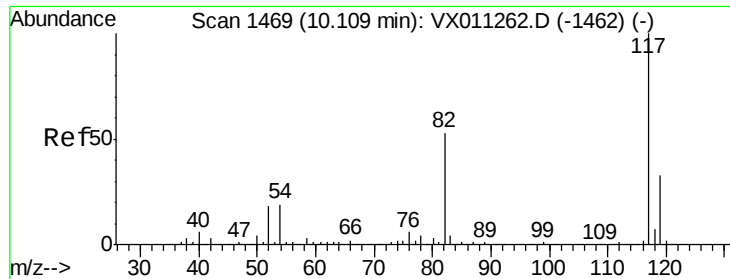
Tgt Ion: 43 Resp: 67865
Ion Ratio Lower Upper
43 100
58 20.8 28.2 84.6#



#62
4-Bromofluorobenzene
Concen: 45.948 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011457.D
Acq: 12 Aug 2019 02:21

Tgt Ion: 95 Resp: 119939
Ion Ratio Lower Upper
95 100
174 90.9 0.0 191.2
176 85.2 0.0 184.8

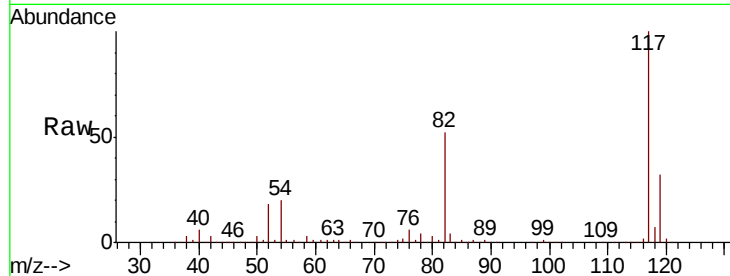




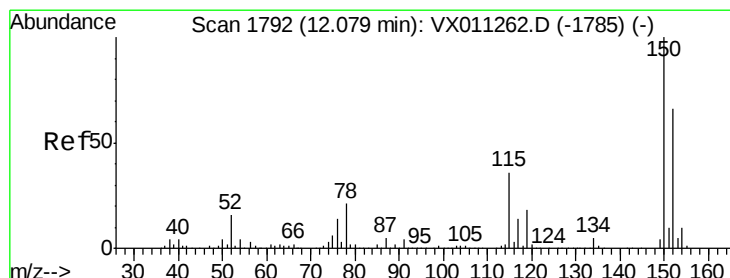
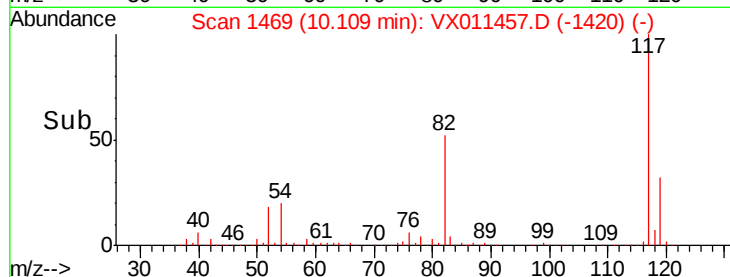
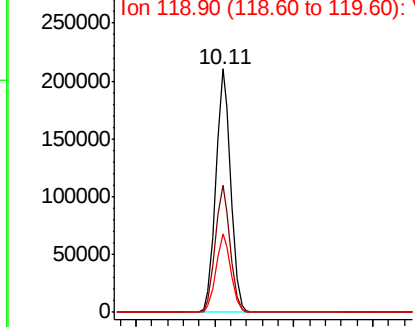
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011457.D
Acq: 12 Aug 2019 02:21

Instrument :
MSVOA_X
ClientSampled :
TP-20

Tgt Ion:117 Resp: 276724
Ion Ratio Lower Upper
117 100
82 52.3 42.2 63.2
119 32.2 26.6 39.8

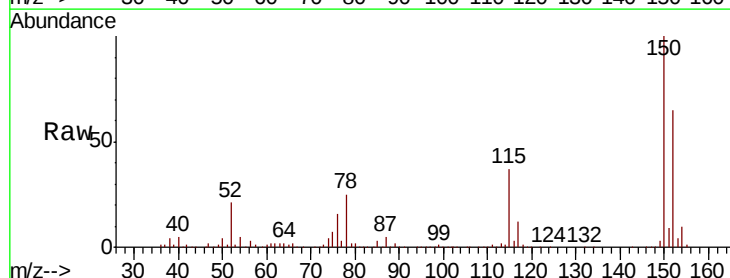


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

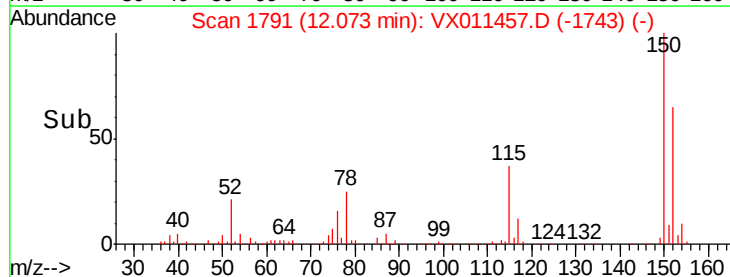
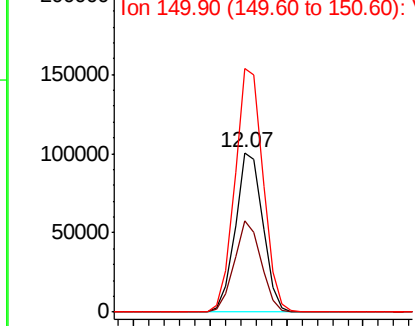


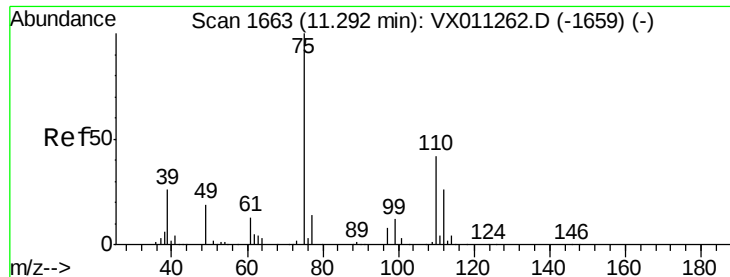
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011457.D
Acq: 12 Aug 2019 02:21

Tgt Ion:152 Resp: 125271
Ion Ratio Lower Upper
152 100
115 55.7 40.0 119.9
150 156.3 0.0 350.4



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

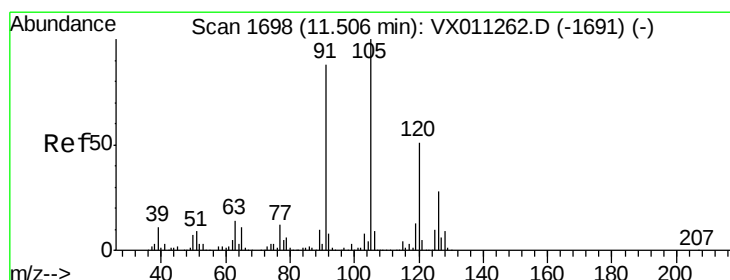
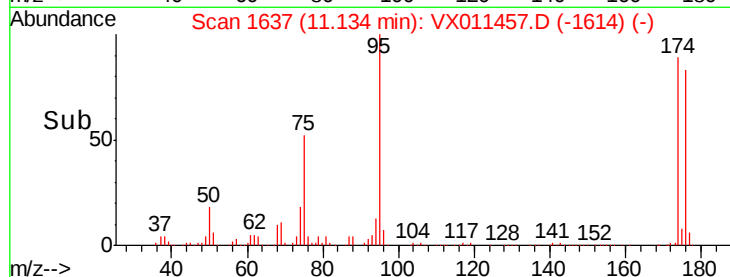
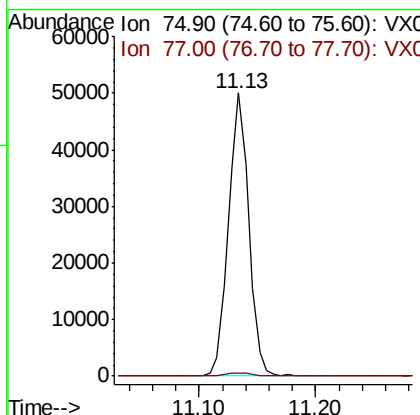
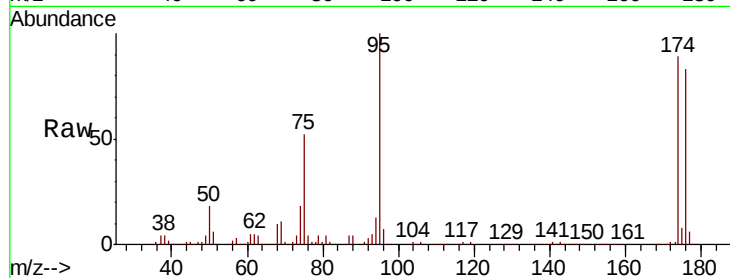




#76
 1,2,3-Trichloropropane
 Concen: 26.625 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011457.D
 Acq: 12 Aug 2019 02:21

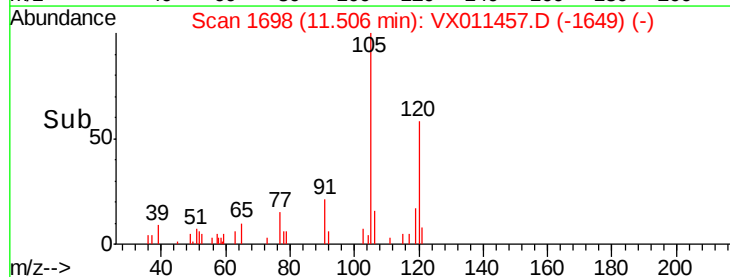
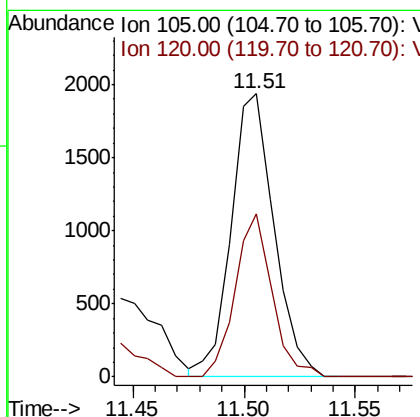
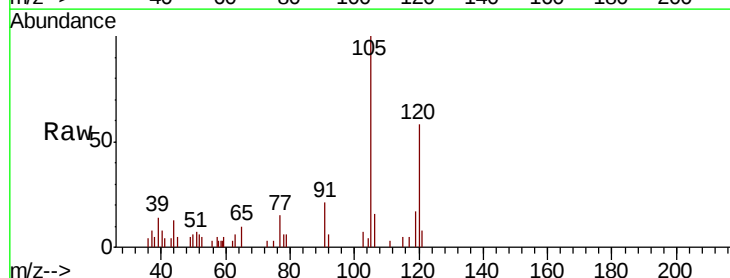
Instrument :
 MSVOA_X
 ClientSampled :
 TP-20

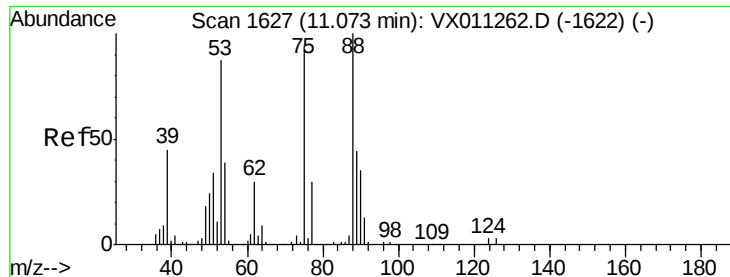
Tgt Ion: 75 Resp: 60740
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.1 63.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.362 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011457.D
 Acq: 12 Aug 2019 02:21

Tgt Ion: 105 Resp: 2597
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 69.185 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011457.D

Acq: 12 Aug 2019 02:21

Instrument :

MSVOA_X

ClientSampleId :

TP-20

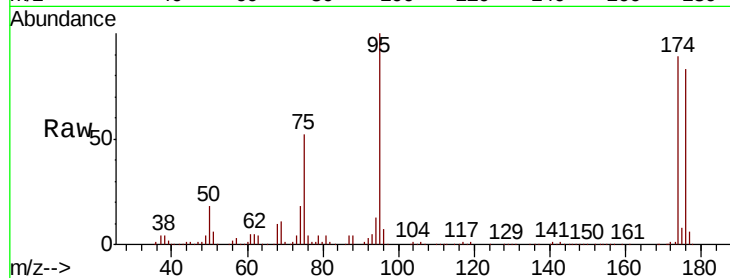
Tgt Ion: 75 Resp: 60740

Ion Ratio Lower Upper

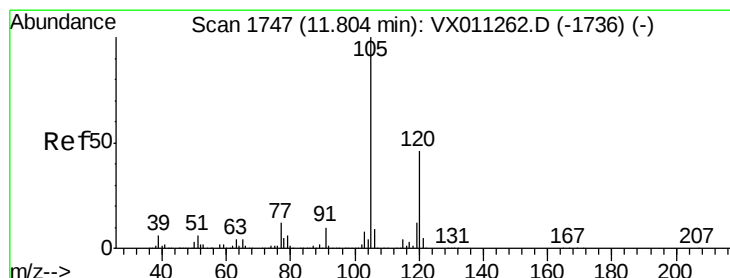
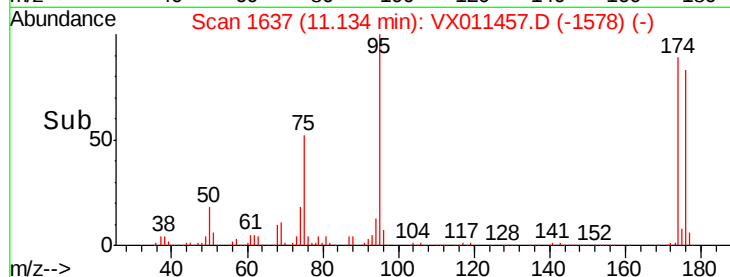
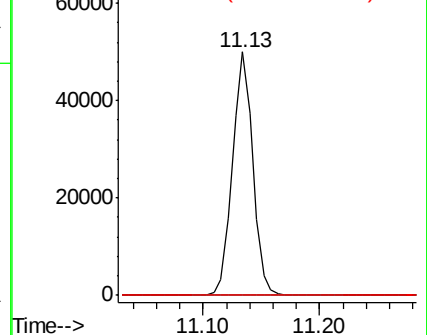
75 100

53 0.1 78.2 117.4#

89 0.2 37.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.524 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011457.D

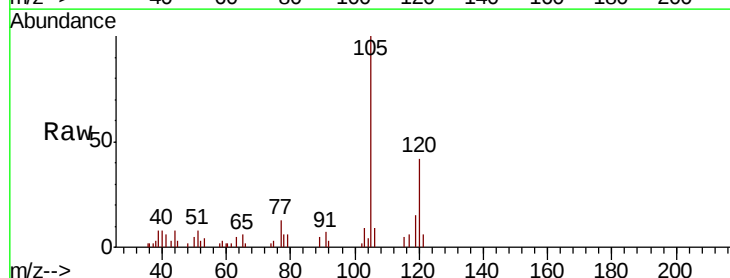
Acq: 12 Aug 2019 02:21

Tgt Ion: 105 Resp: 3742

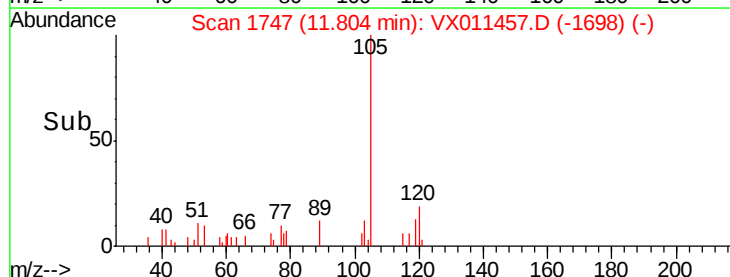
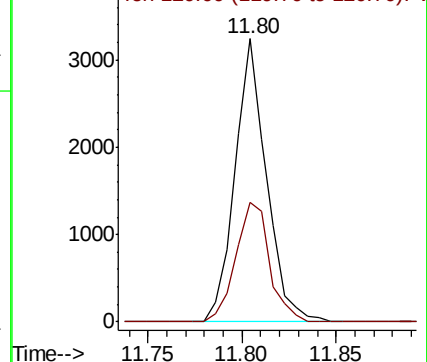
Ion Ratio Lower Upper

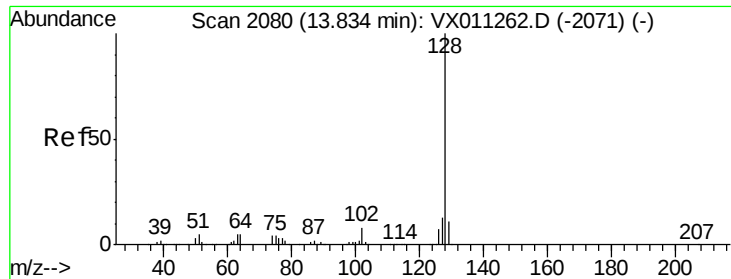
105 100

120 45.2 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

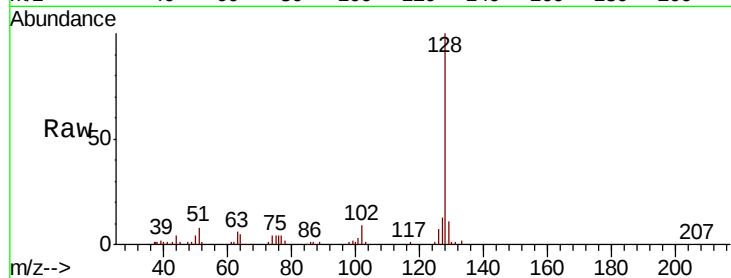




#95
Naphthalene
Concen: 1.886 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011457.D
Acq: 12 Aug 2019 02:21

Instrument :
MSVOA_X
ClientSampleId :
TP-20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.4	15.6
129	12.6	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

