

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012845.D
 Acq On : 07 Oct 2019 17:57
 Operator : JC/SP
 Sample : K5154-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 11:13:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	180527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	308875	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100419	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	118757	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	
35) Dibromofluoromethane	5.49	113	93314	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	8.71	98	364571	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	11.14	95	124695	44.77	ug/l	0.00
Spiked Amount			Recovery	=	89.54%	

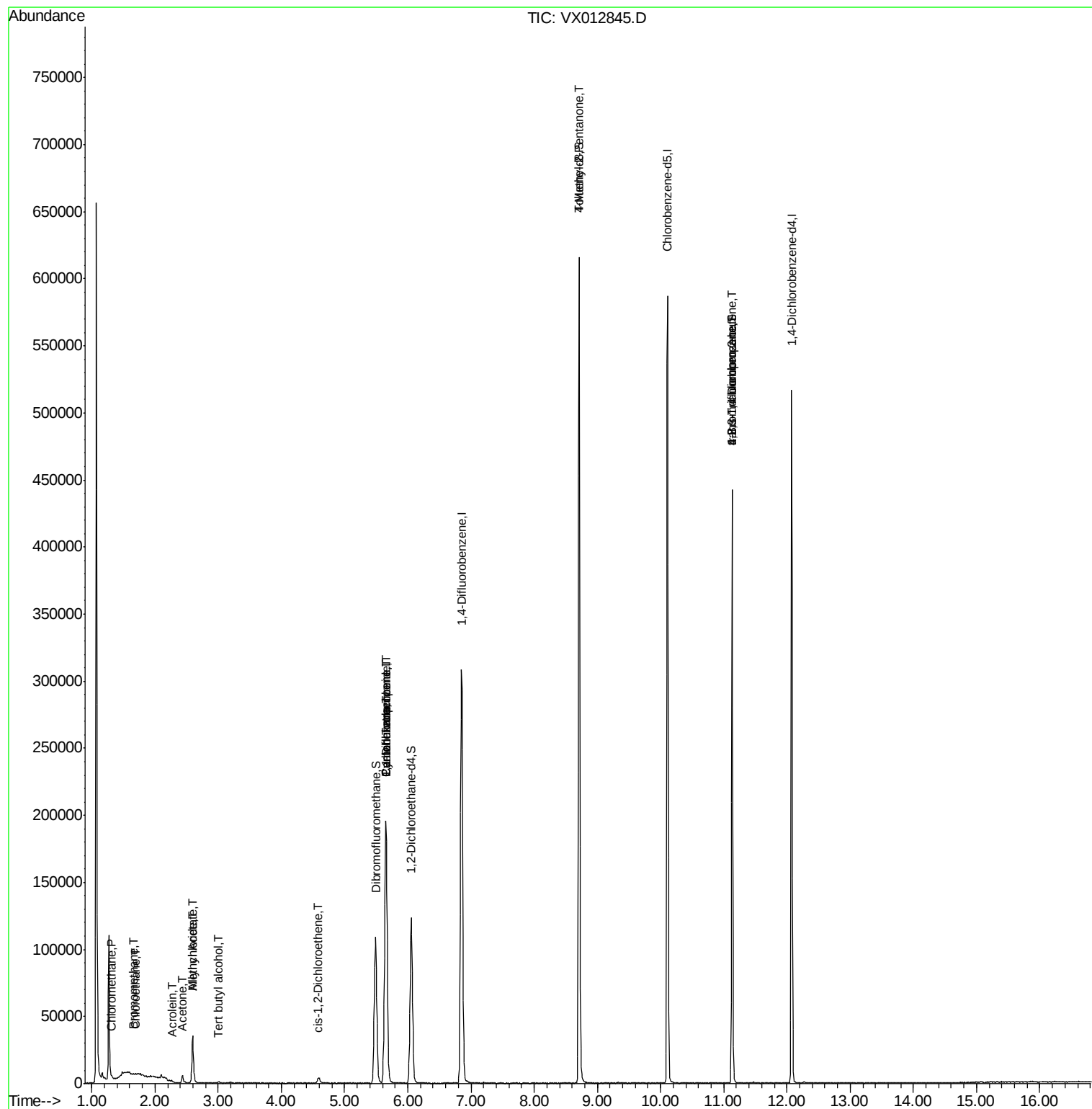
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	573	0.246	ug/l #	73
5) Bromomethane	1.66	94	412	0.452	ug/l #	40
6) Chloroethane	1.69	64	468	0.299	ug/l #	53
11) Tert butyl alcohol	3.01	59	836	1.273	ug/l #	72
13) Acrolein	2.28	56	63	10.398	ug/l #	55
14) Allyl chloride	2.59	41	3550	0.922	ug/l #	59
16) Acetone	2.44	43	6121	4.396	ug/l	92
18) Methyl Acetate	2.59	43	9400	2.867	ug/l #	54
27) cis-1,2-Dichloroethene	4.58	96	2738	1.097	ug/l	88
31) Cyclohexane	5.66	56	3938	1.076	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14925	5.013	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19287	6.377	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1725	0.480	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	62462	23.514	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	62462	67.387	ug/l #	8

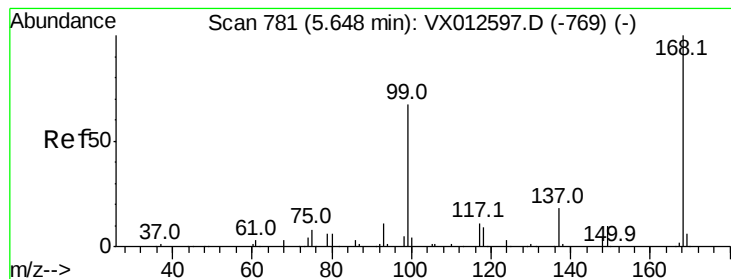
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012845.D

Acq: 07 Oct 2019 17:57

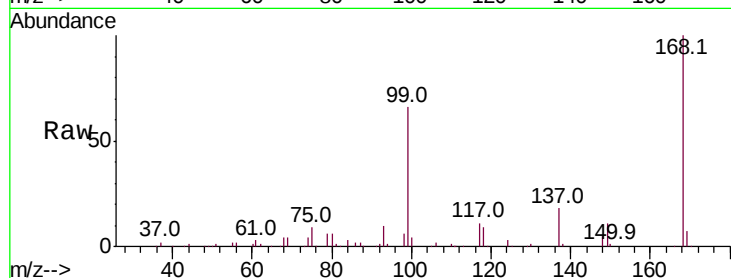
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 180527

Ion Ratio Lower Upper

168 100

99 65.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

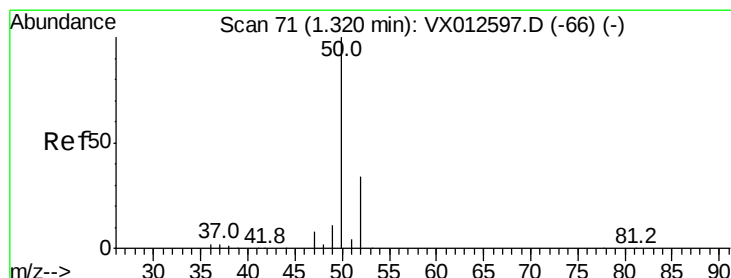
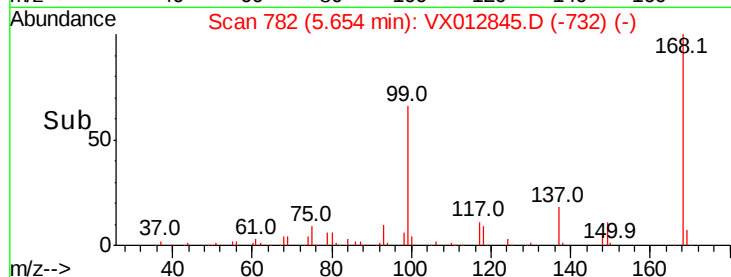
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.246 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012845.D

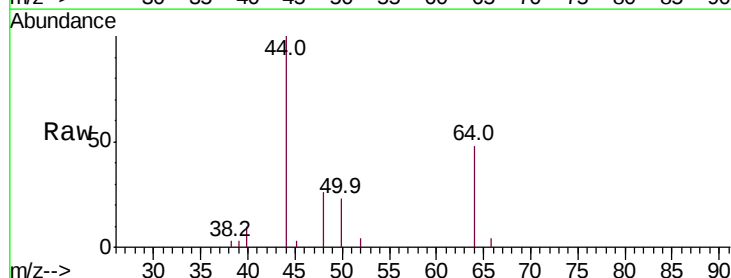
Acq: 07 Oct 2019 17:57

Tgt Ion: 50 Resp: 573

Ion Ratio Lower Upper

50 100

52 17.1 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

800

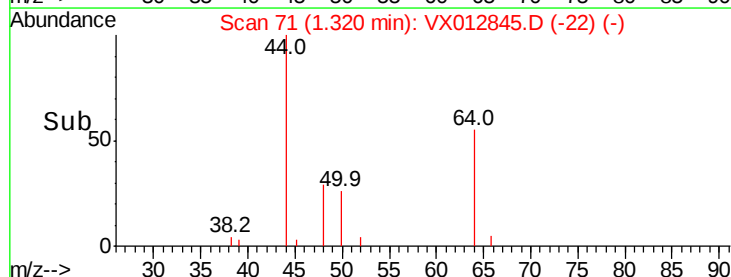
600

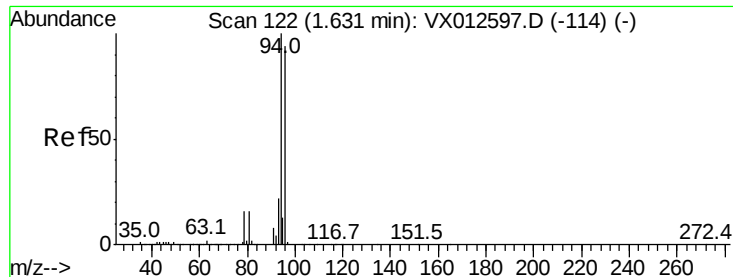
400

200

0

Time--> 1.30 1.32 1.34





#5

Bromomethane

Concen: 0.452 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.03 min

Lab File: VX012845.D

Acq: 07 Oct 2019 17:57

Instrument :

MSVOA_X

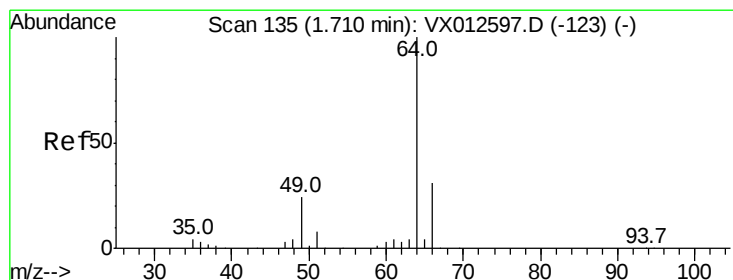
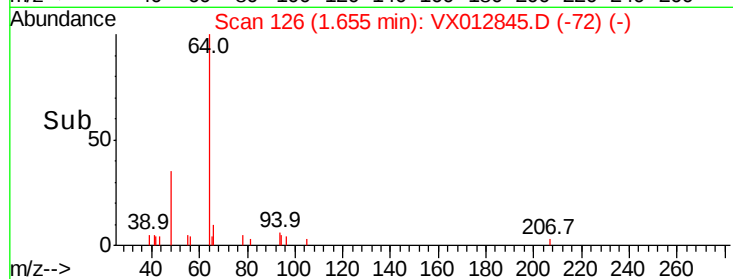
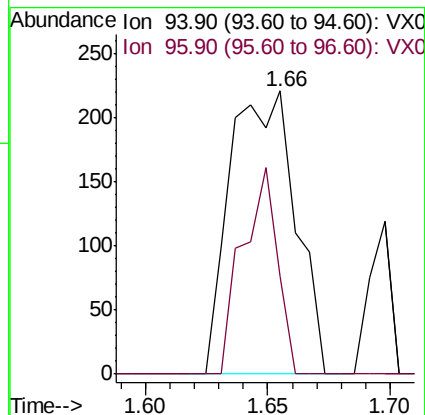
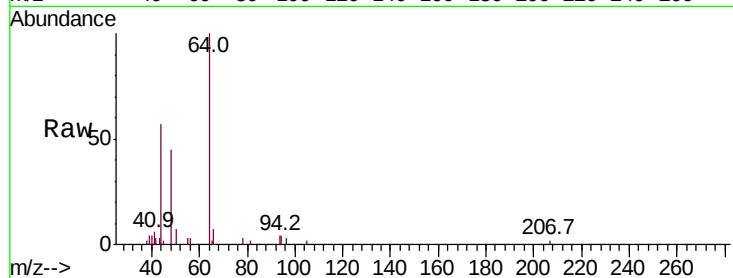
ClientSampled :

Tot Ion: 94 Resp: 412

Ion Ratio Lower Upper

94 100

96 34.4 72.8 109.2#



#6

Chloroethane

Concen: 0.299 ug/l

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX012845.D

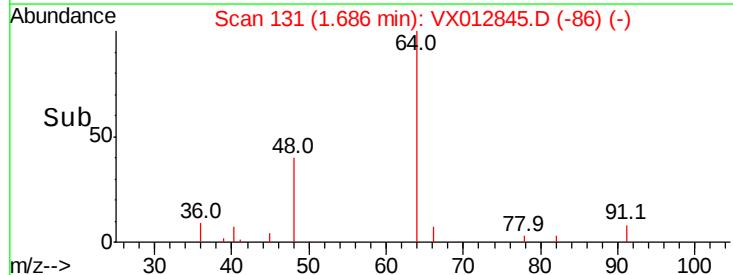
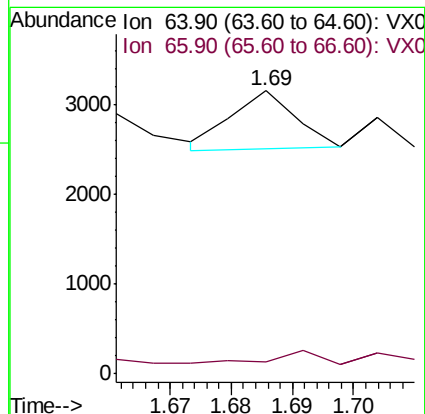
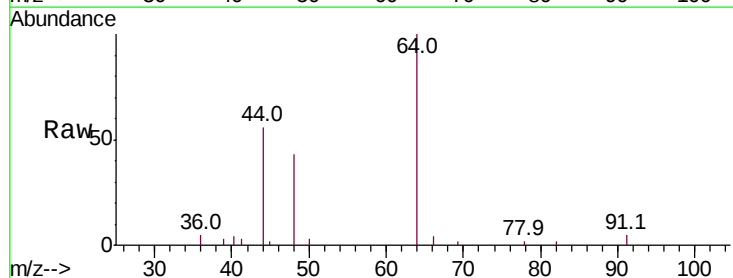
Acq: 07 Oct 2019 17:57

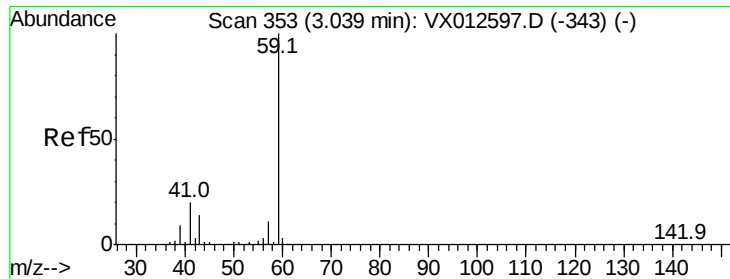
Tgt Ion: 64 Resp: 468

Ion Ratio Lower Upper

64 100

66 4.7 24.0 36.0#



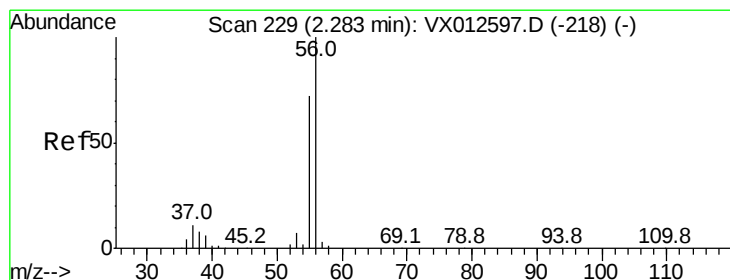
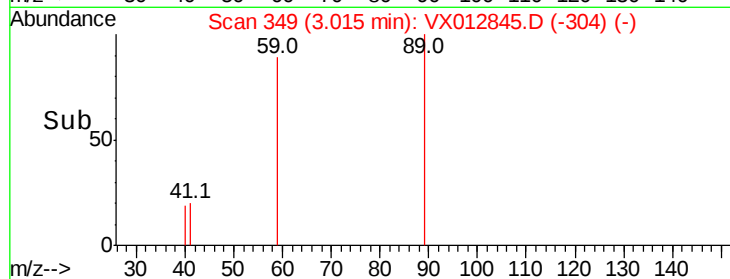
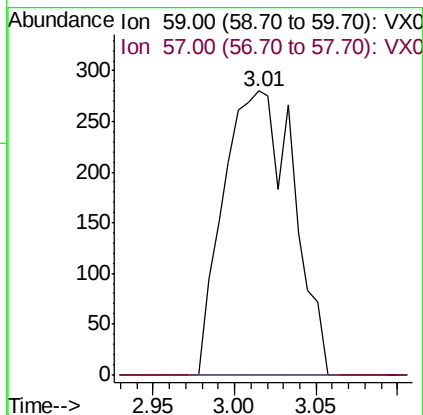
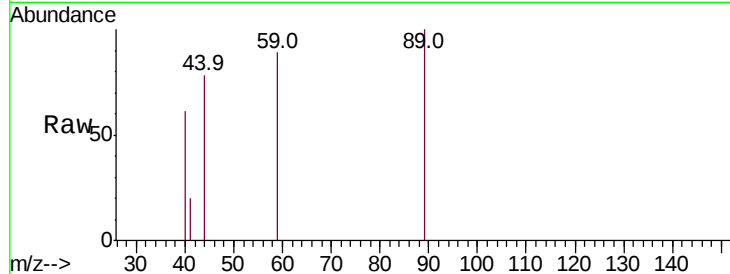


#11

Tert butyl alcohol
 Concen: 1.273 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: VX012845.D
 Acq: 07 Oct 2019 17:57

Instrument :
 MSVOA_X
 ClientSampleId :

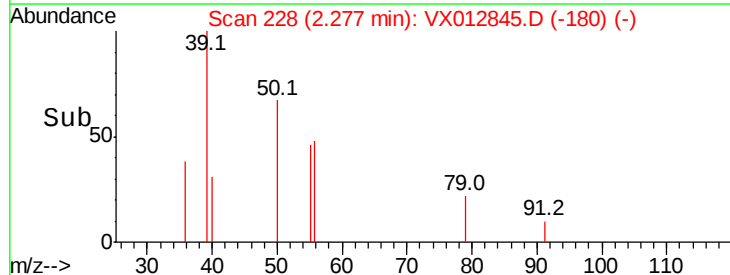
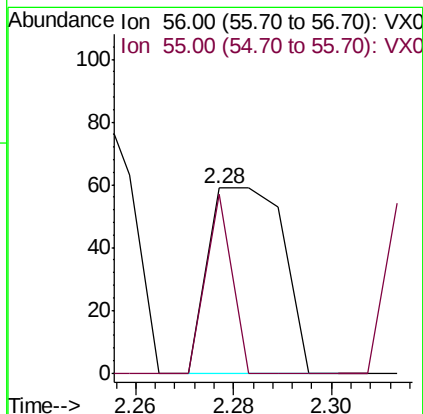
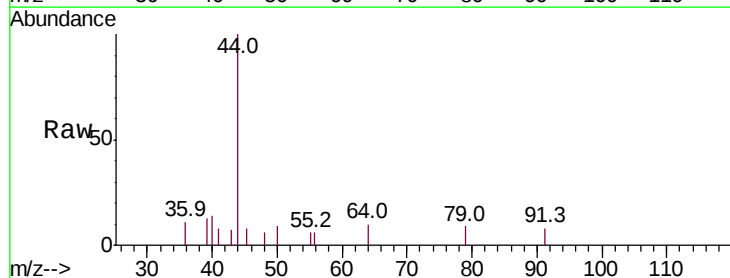
Tot Ion: 59 Resp: 836
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

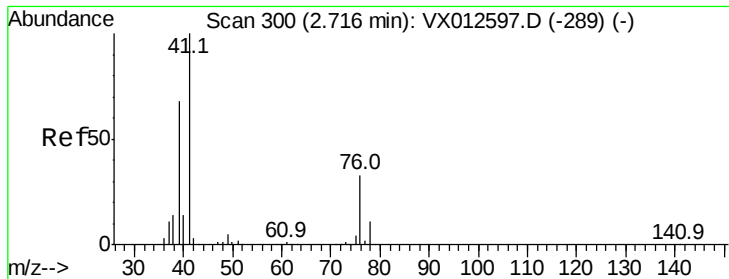


#13

Acrolein
 Concen: 10.398 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VX012845.D
 Acq: 07 Oct 2019 17:57

Tgt Ion: 56 Resp: 63
 Ion Ratio Lower Upper
 56 100
 55 33.3 55.8 83.8#

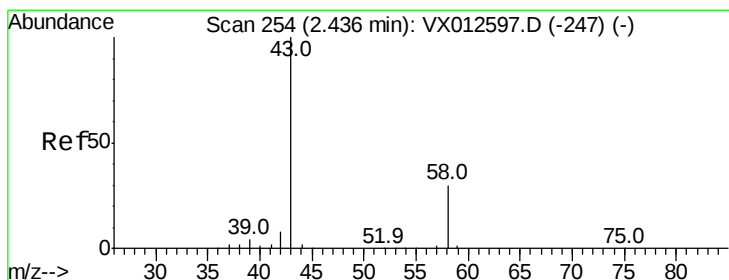
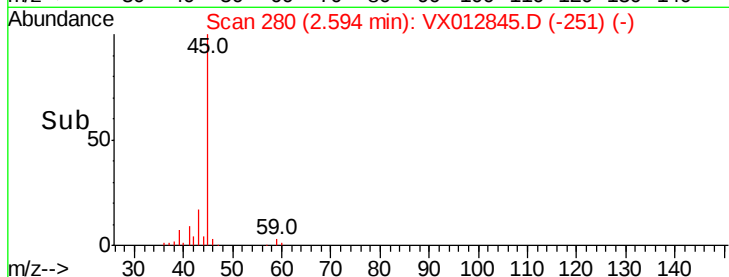
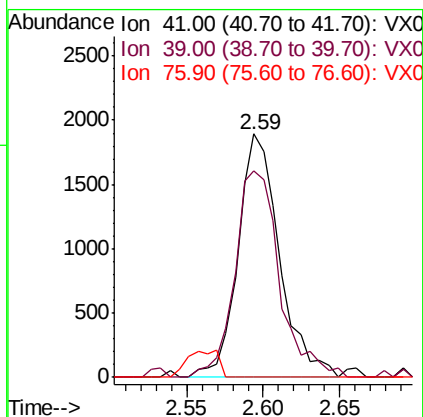
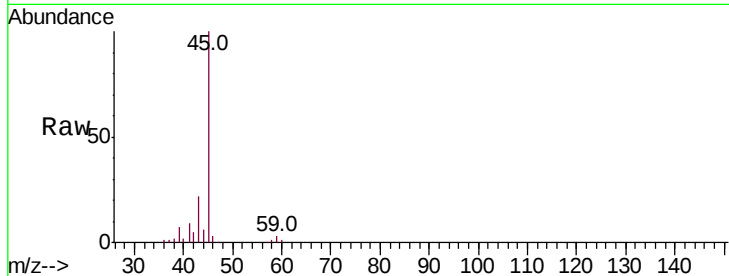




#14
Allvl chloride
Concen: 0.922 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.12 min
Lab File: VX012845.D
Acq: 07 Oct 2019 17:57

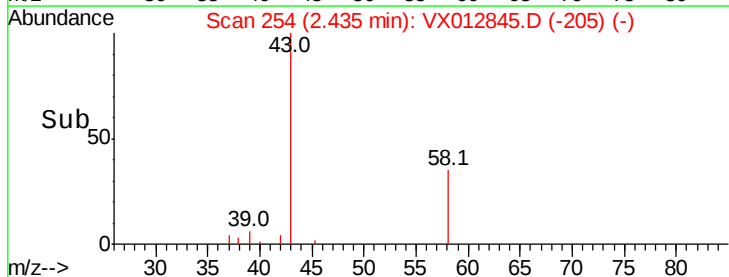
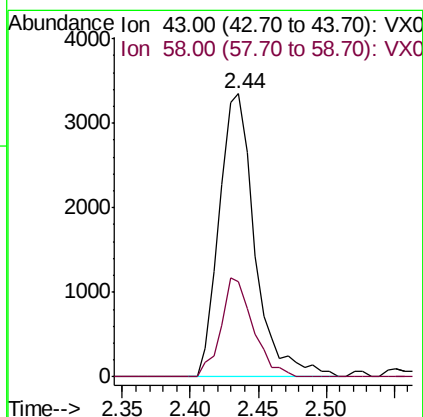
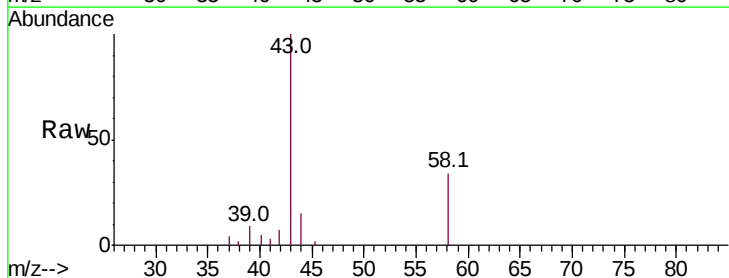
Instrument :
MSVOA_X
ClientSampleId :

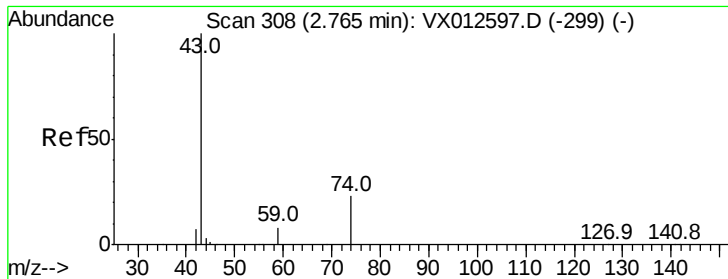
Tot Ion: 41 Resp: 3550
Ion Ratio Lower Upper
41 100
39 91.9 51.3 76.9#
76 0.0 22.6 33.8#



#16
Acetone
Concen: 4.396 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX012845.D
Acq: 07 Oct 2019 17:57

Tgt Ion: 43 Resp: 6121
Ion Ratio Lower Upper
43 100
58 33.6 23.3 34.9

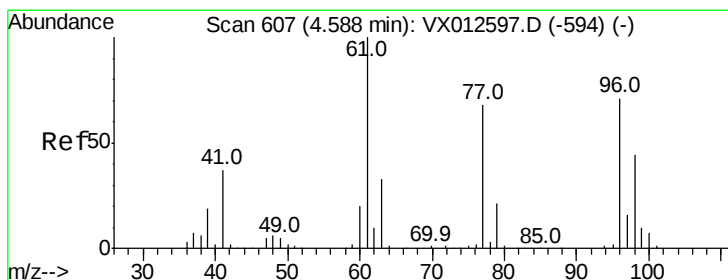
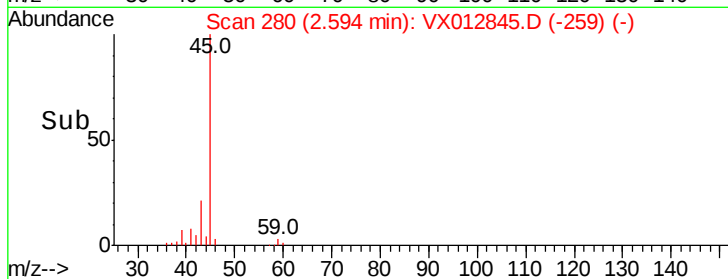
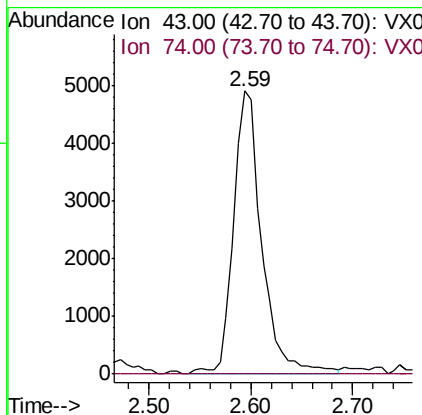
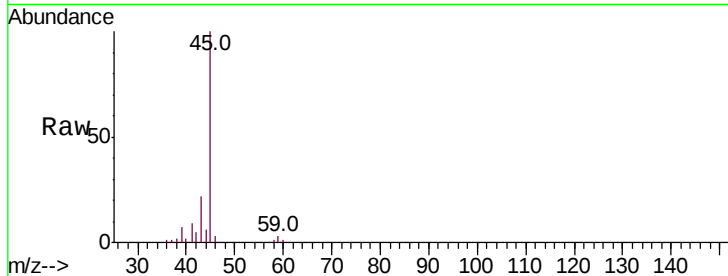




#18
Methvl Acetate
Concen: 2.867 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012845.D
Acq: 07 Oct 2019 17:57

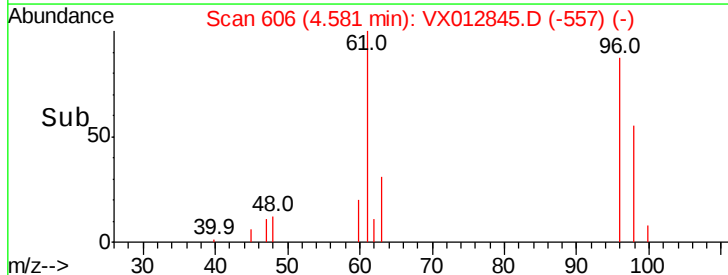
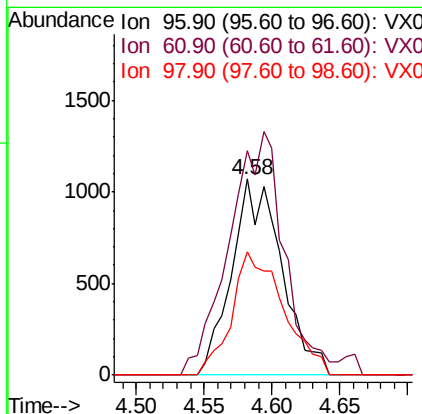
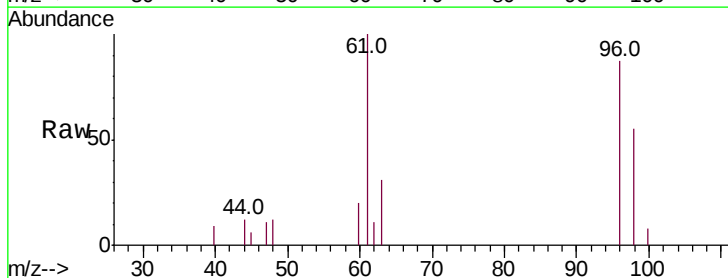
Instrument :
MSVOA_X
ClientSampled :

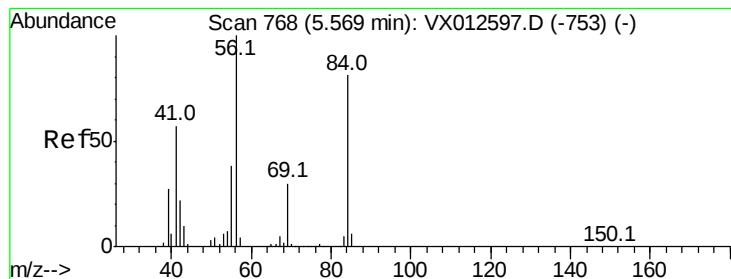
Tot Ion: 43 Resp: 9400
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#27
cis-1,2-Dichloroethene
Concen: 1.097 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012845.D
Acq: 07 Oct 2019 17:57

Tgt Ion: 96 Resp: 2738
Ion Ratio Lower Upper
96 100
61 137.4 0.0 319.4
98 65.6 0.0 130.6





#31

Cyclohexane

Concen: 1.076 ug/l

RT: 5.66 min Scan# 783

Delta R.T. 0.09 min

Lab File: VX012845.D

Acq: 07 Oct 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

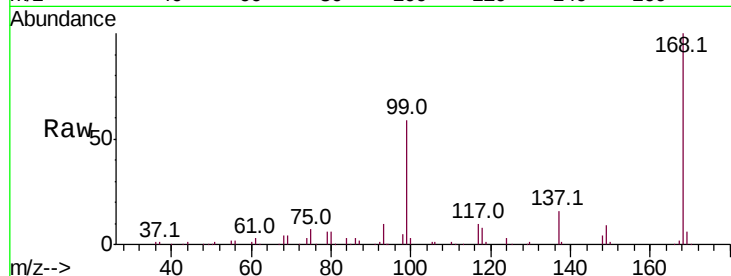
Tot Ion: 56 Resp: 3938

Ion Ratio Lower Upper

56 100

69 172.2 25.0 37.6#

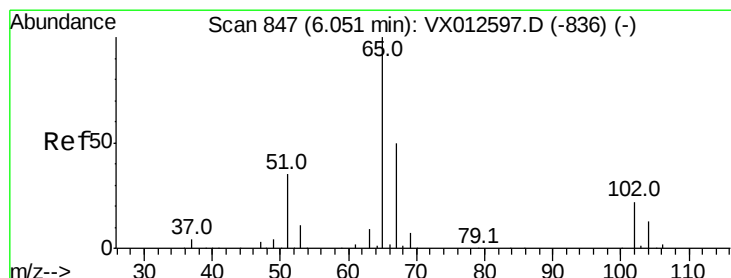
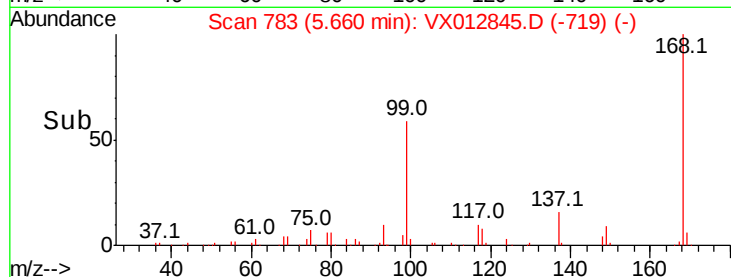
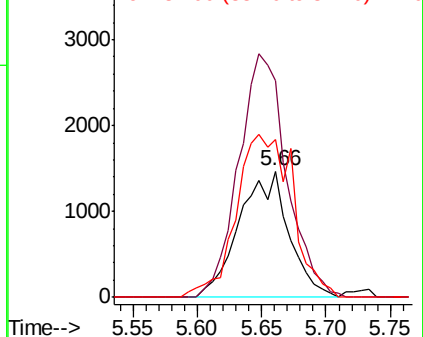
84 125.3 66.4 99.6#



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: 45.175 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012845.D

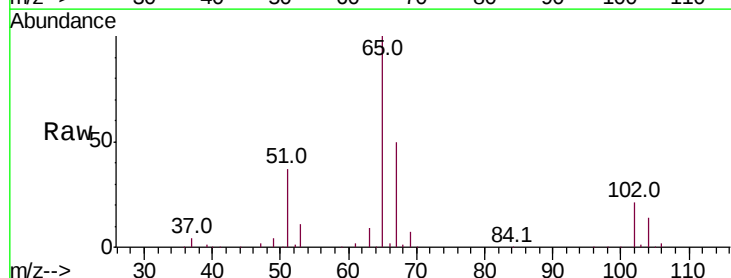
Acq: 07 Oct 2019 17:57

Tgt Ion: 65 Resp: 118757

Ion Ratio Lower Upper

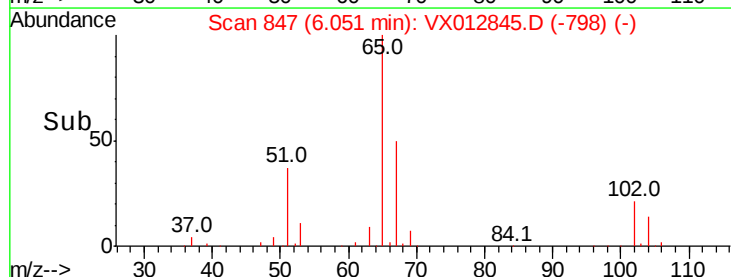
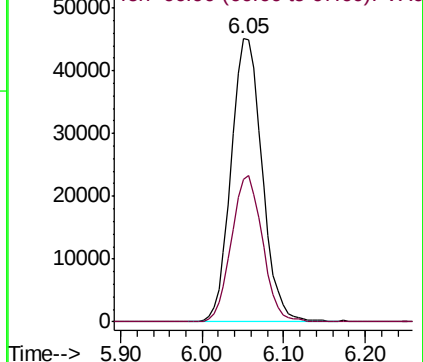
65 100

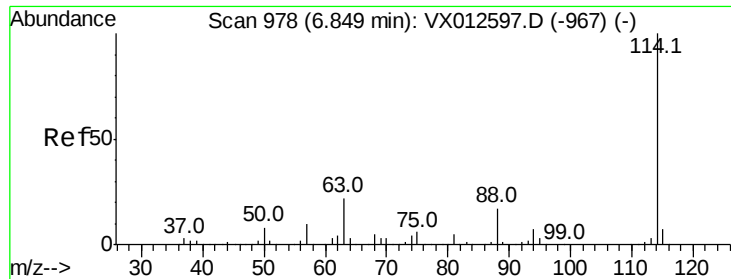
67 51.8 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

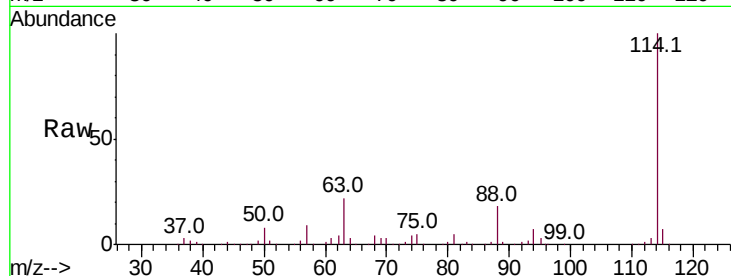




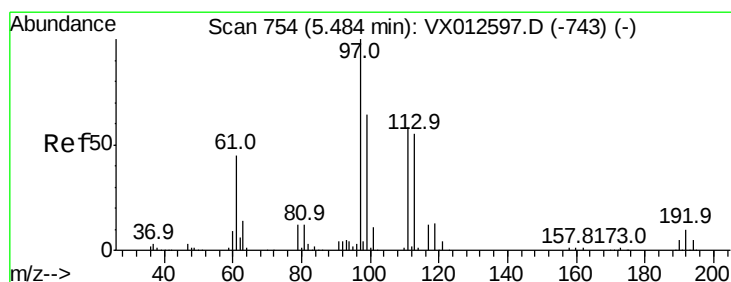
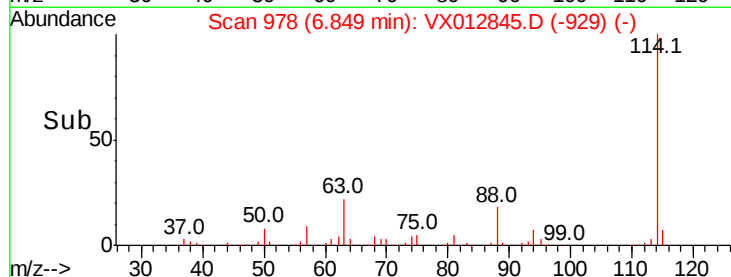
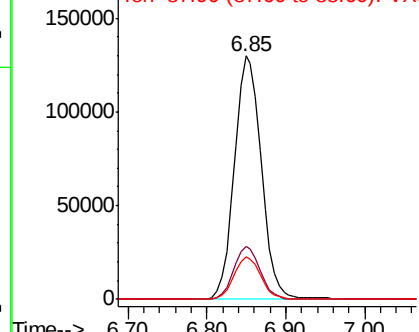
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012845.D
 Acq: 07 Oct 2019 17:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	17.7	0.0	33.2

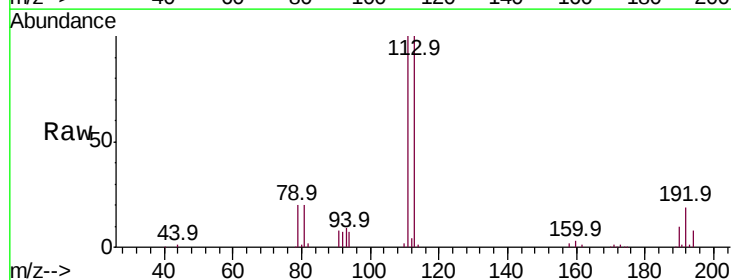


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

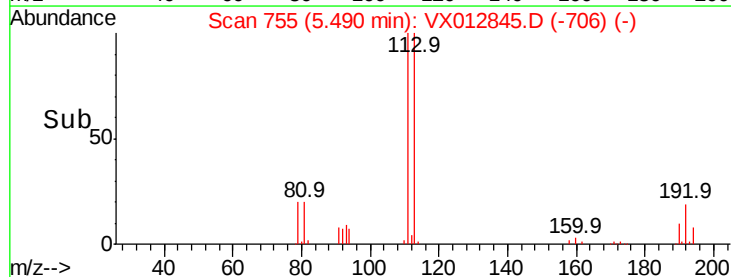
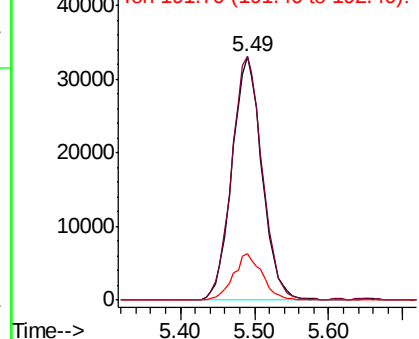


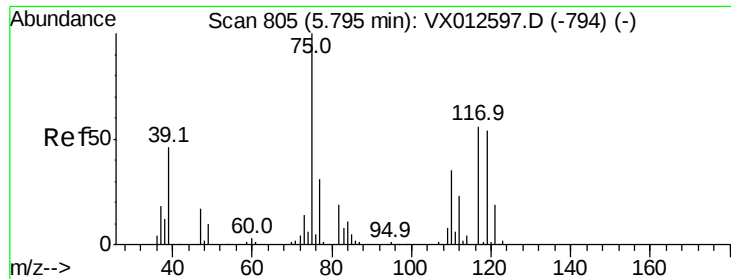
#35
 Dibromofluoromethane
 Concen: 50.728 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012845.D
 Acq: 07 Oct 2019 17:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.4	125.2
192	18.2	14.4	21.6



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

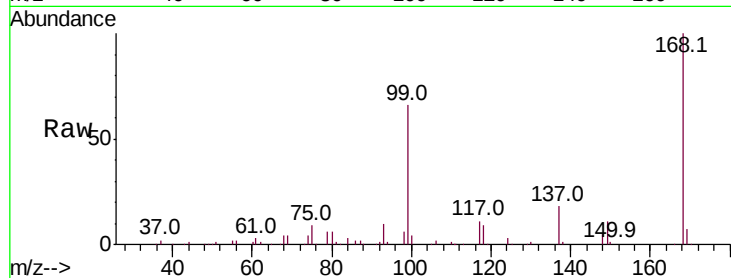




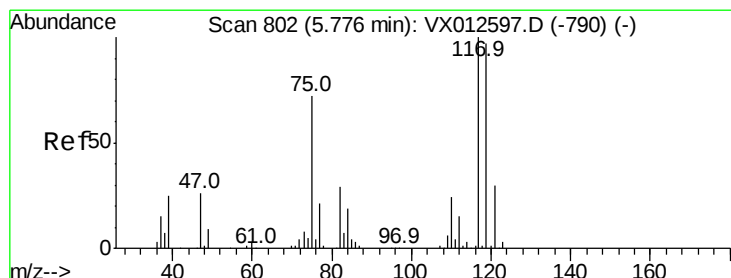
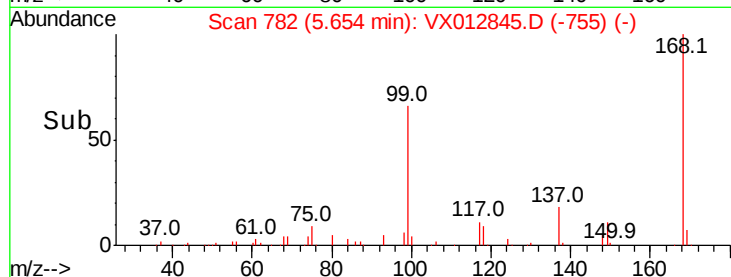
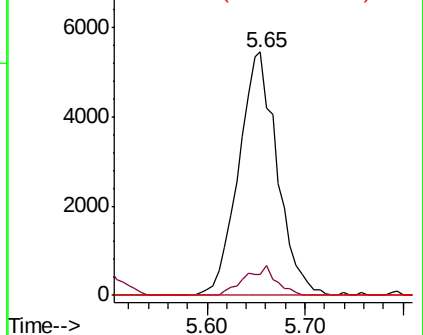
#36
 1,1-Dichloropropene
 Concen: 5.013 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012845.D
 Acq: 07 Oct 2019 17:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 14925
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.7 50.0#
 77 0.0 24.2 36.2#

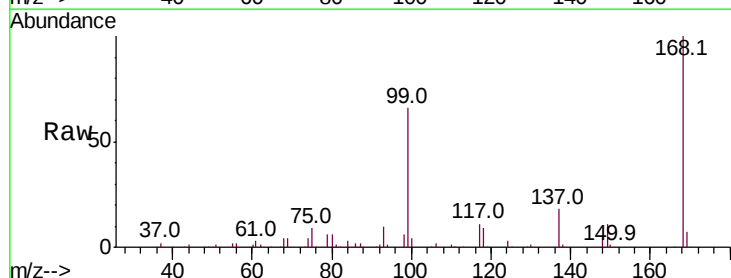


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

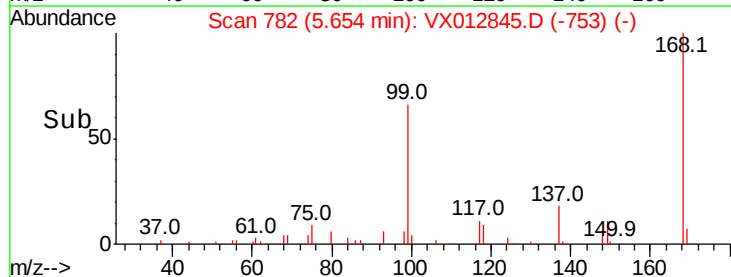
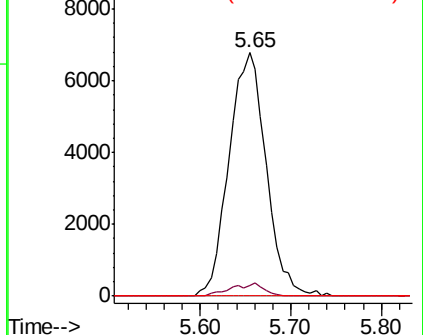


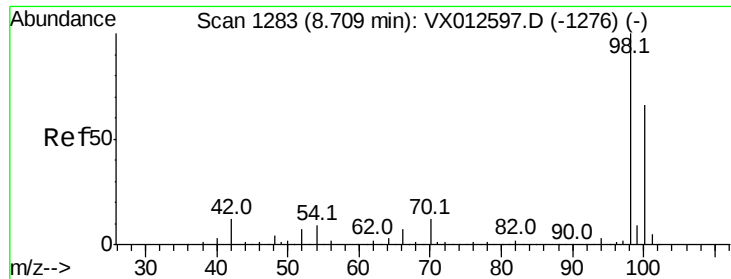
#38
 Carbon Tetrachloride
 Concen: 6.377 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012845.D
 Acq: 07 Oct 2019 17:57

Tgt Ion: 117 Resp: 19287
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.7 113.5#
 121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

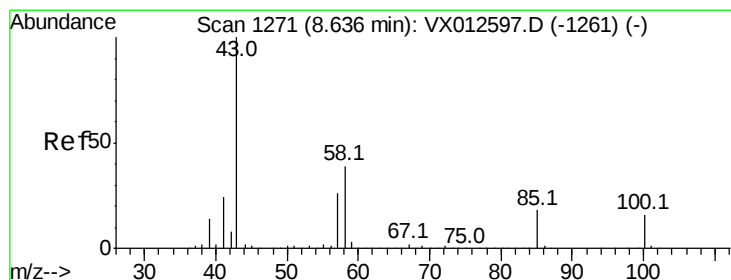
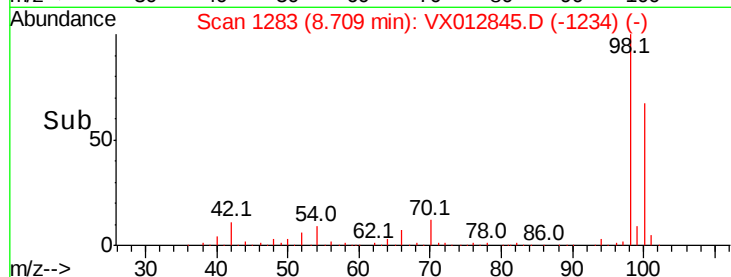
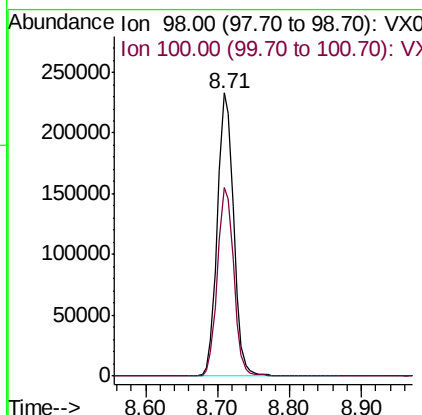
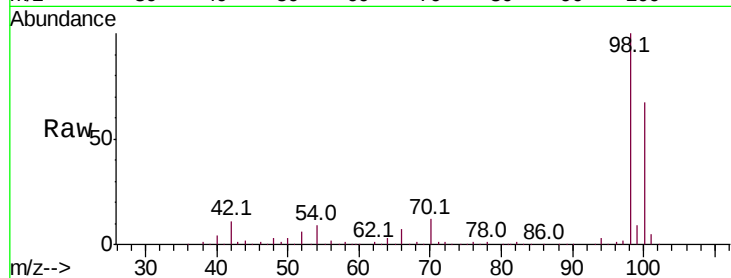




#50
Toluene-d8
Concen: 51.464 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012845.D
Acq: 07 Oct 2019 17:57

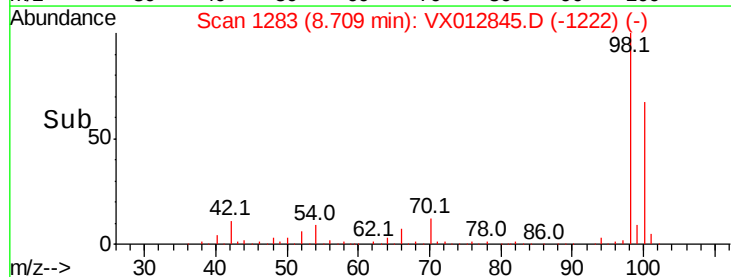
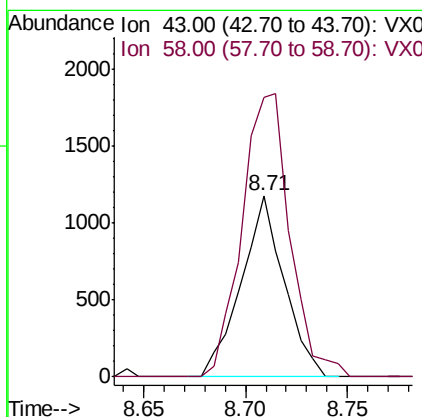
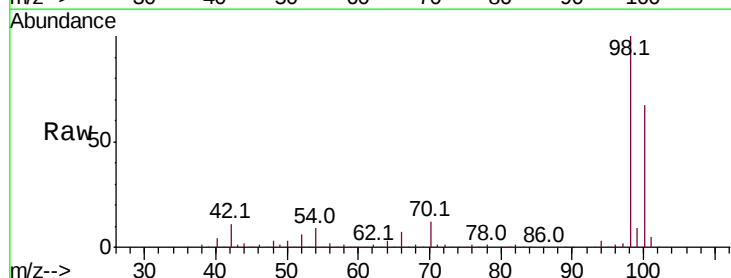
Instrument :
MSVOA_X
ClientSampled :

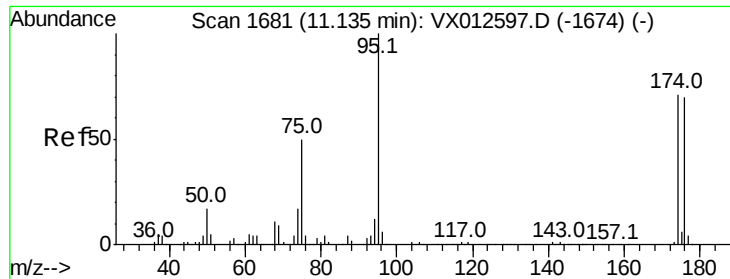
Tot Ion: 98 Resp: 364571
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.480 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012845.D
Acq: 07 Oct 2019 17:57

Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
58 175.0 29.8 44.6#

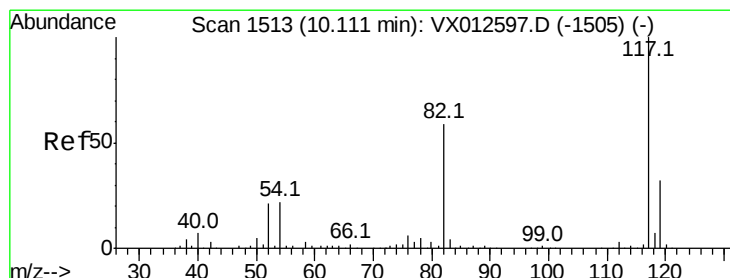
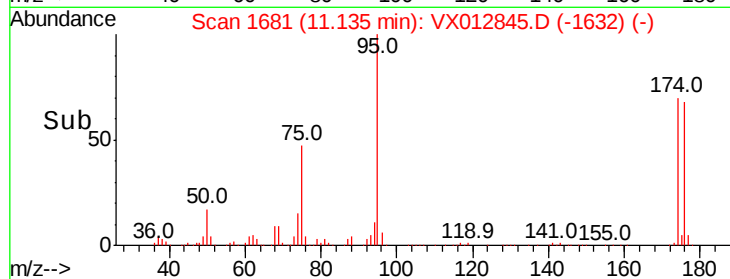
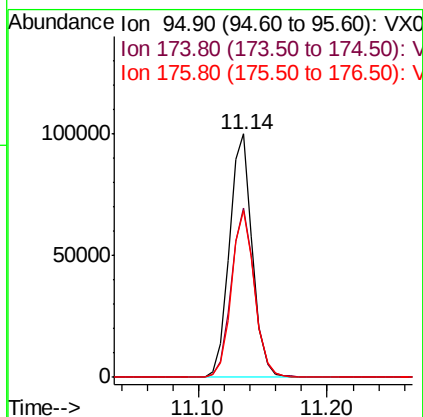
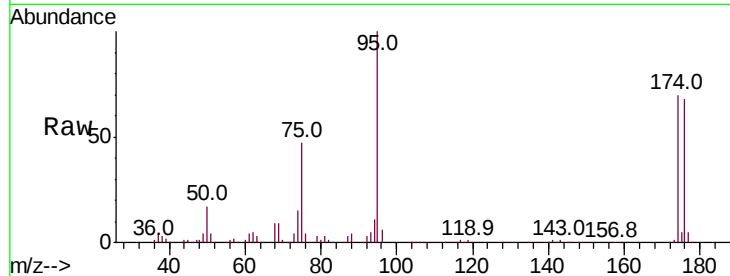




#62
4-Bromofluorobenzene
Concen: 44.767 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012845.D
Acq: 07 Oct 2019 17:57

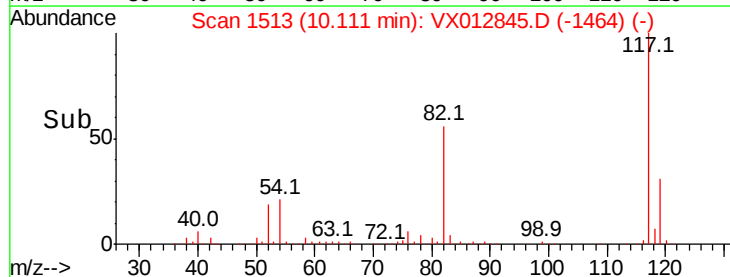
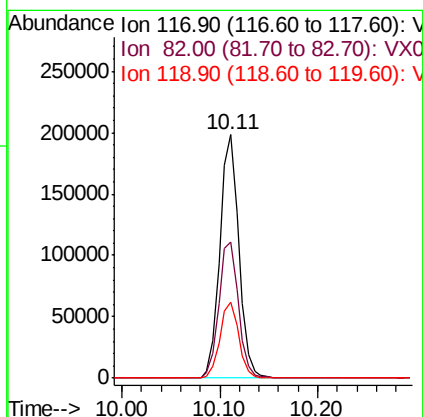
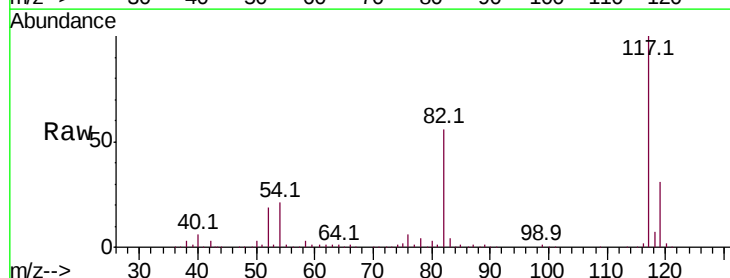
Instrument :
MSVOA_X
ClientSampleId :

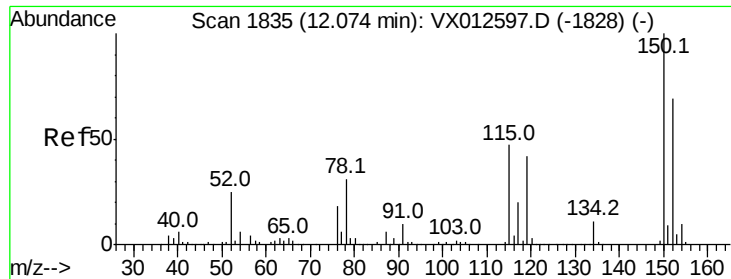
Tot Ion	95	Resp	124695
Ion Ratio	100	Lower	Upper
174	70.1	0.0	140.0
176	68.4	0.0	135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012845.D
Acq: 07 Oct 2019 17:57

Tgt Ion	117	Resp	266860
Ion Ratio	100	Lower	Upper
82	55.9	45.9	68.9
119	31.4	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012845.D

Acq: 07 Oct 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

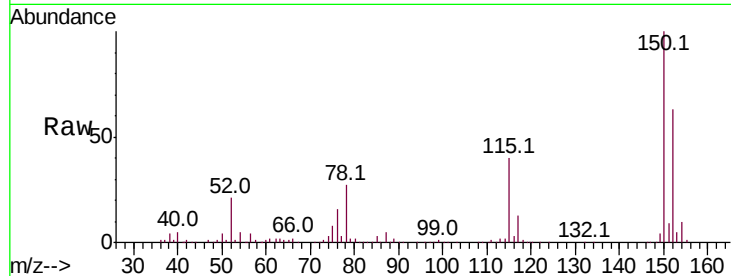
Tot Ion:152 Resp: 100419

Ion Ratio Lower Upper

152 100

115 64.3 44.1 132.3

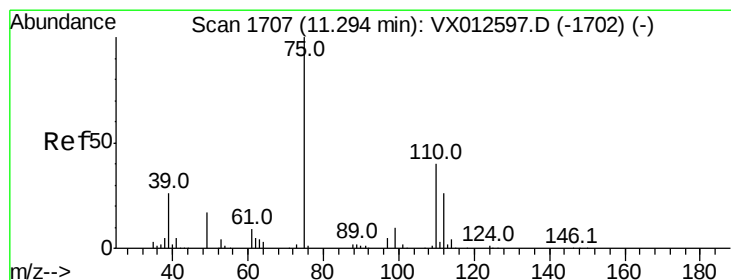
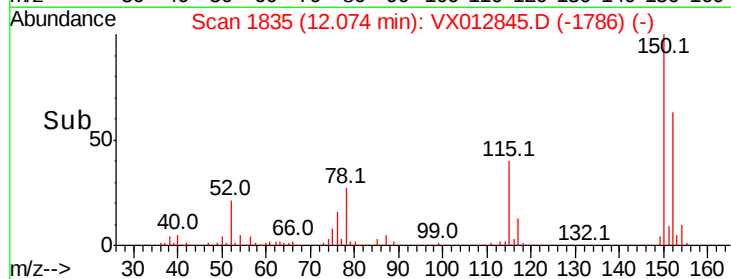
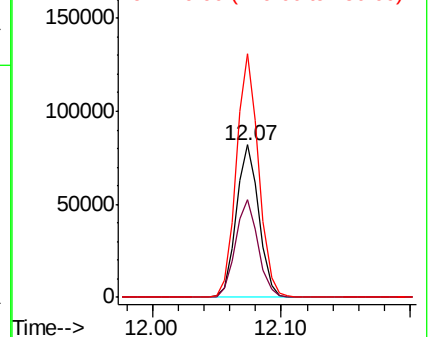
150 158.0 0.0 343.8



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: 23.514 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012845.D

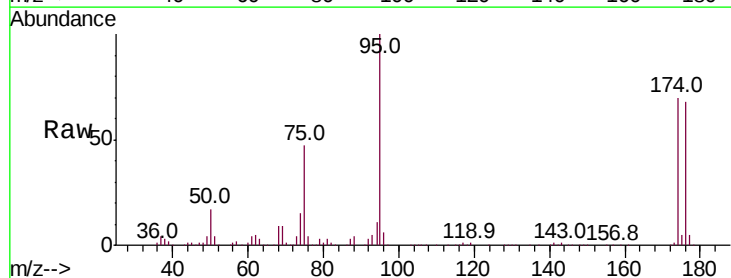
Acq: 07 Oct 2019 17:57

Tgt Ion: 75 Resp: 62462

Ion Ratio Lower Upper

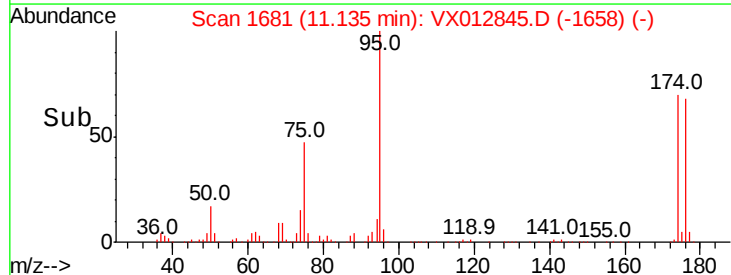
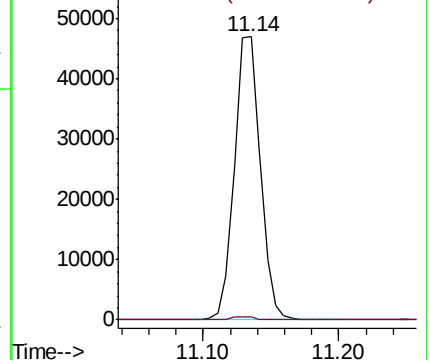
75 100

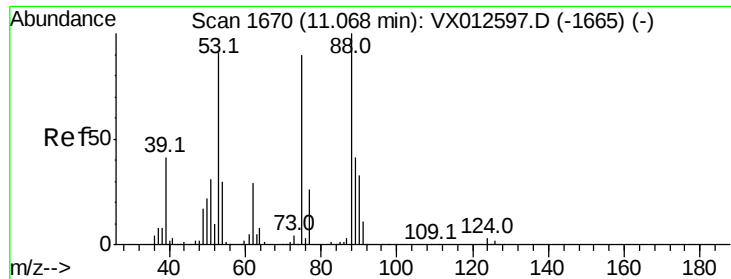
77 0.8 19.7 59.0#



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: 67.387 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012845.D

Acq: 07 Oct 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 62462

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 36.3 54.5#

