

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011484.D
 Acq On : 12 Aug 2019 15:29
 Operator : JC/SP
 Sample : K4278-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0705

Quant Time: Aug 13 07:39:52 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

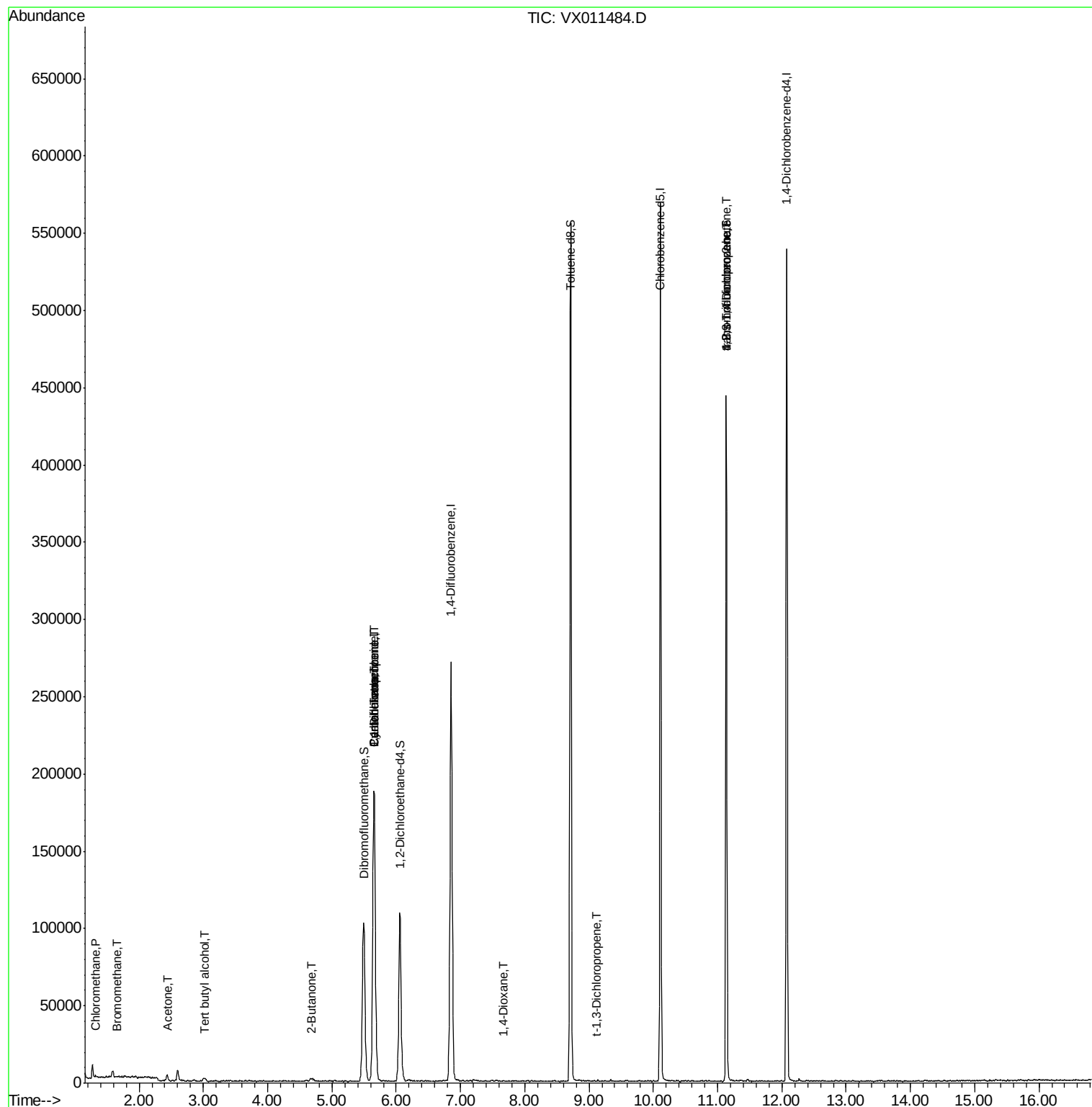
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	186394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280746	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114367	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	102097	54.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.78%	
35) Dibromofluoromethane	5.49	113	85966	46.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.80%	
50) Toluene-d8	8.71	98	328517	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.96%	
62) 4-Bromofluorobenzene	11.13	95	108680	44.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.00%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	526	0.325	ug/l	97
5) Bromomethane	1.65	94	518	0.408	ug/l	96
6) Chloroethane	1.70	64	201	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	1268	3.410	ug/l #	72
13) Acrolein	2.28	56	41	Below Cal	#	1
16) Acetone	2.43	43	4716	5.278	ug/l	90
25) 2-Butanone	4.68	43	1122	0.883	ug/l	99
31) Cyclohexane	5.65	56	3900	1.613	ug/l #	24
36) 1,1-Dichloropropene	5.66	75	12632	5.153	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18230	7.392	ug/l #	14
49) 1,4-Dioxane	7.66	88	19	0.354	ug/l #	1
53) t-1,3-Dichloropropene	9.12	75	37	2.851	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	55556	26.674	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	55556	69.305	ug/l #	10

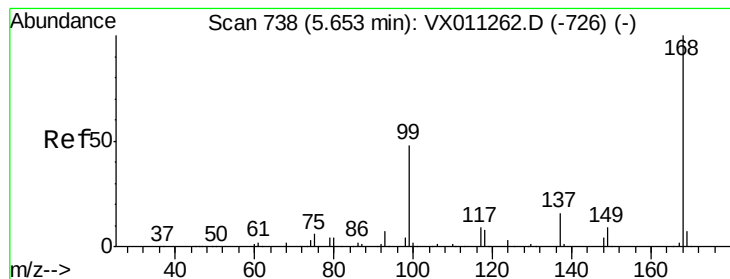
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011484.D

Acq: 12 Aug 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

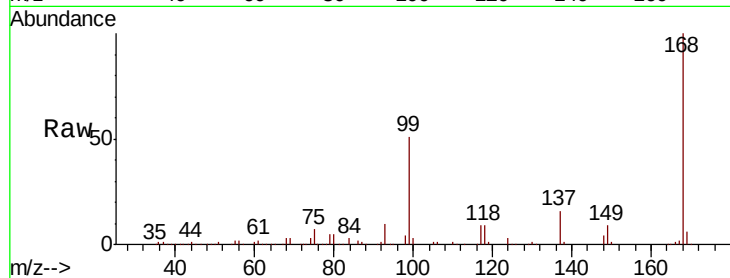
Z3-0705

Tgt Ion:168 Resp: 186394

Ion Ratio Lower Upper

168 100

99 51.1 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

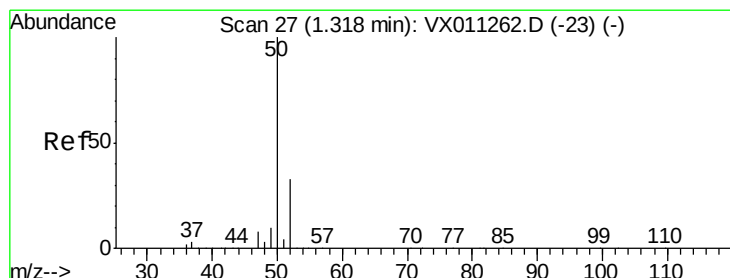
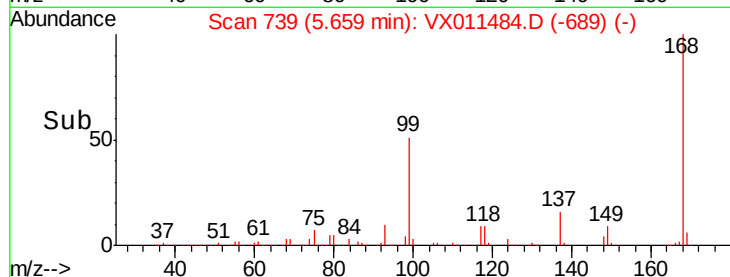
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.325 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011484.D

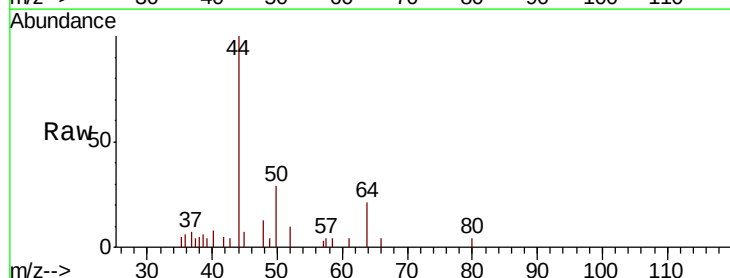
Acq: 12 Aug 2019 15:29

Tgt Ion: 50 Resp: 526

Ion Ratio Lower Upper

50 100

52 35.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

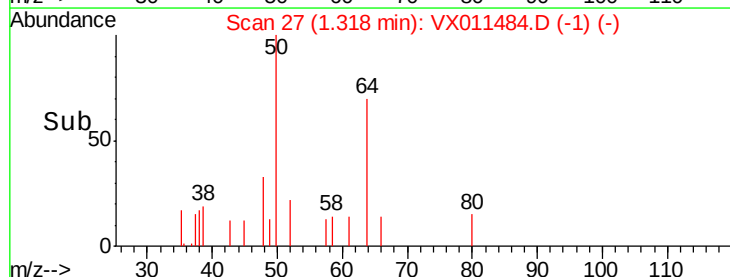
300

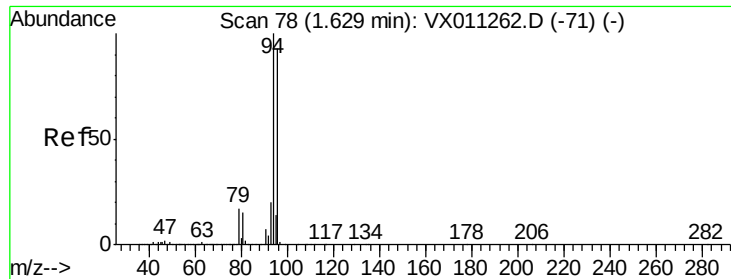
200

100

0

Time--> 1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.408 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX011484.D

Acq: 12 Aug 2019 15:29

Instrument :

MSVOA_X

ClientSampled :

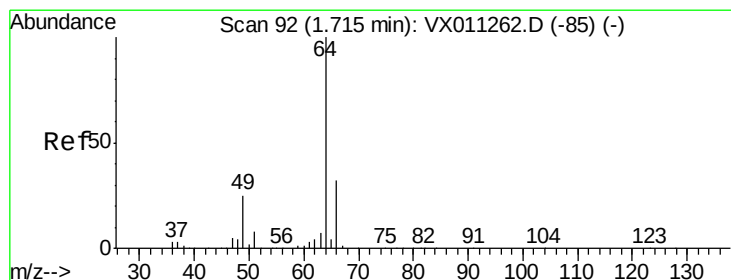
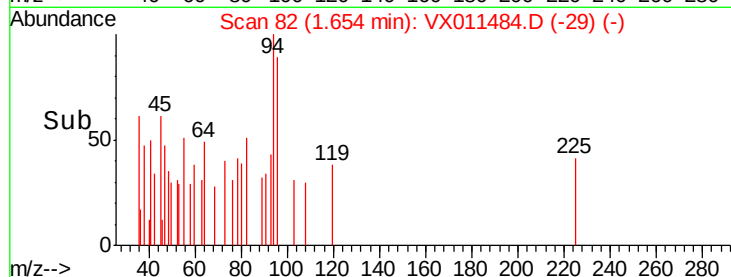
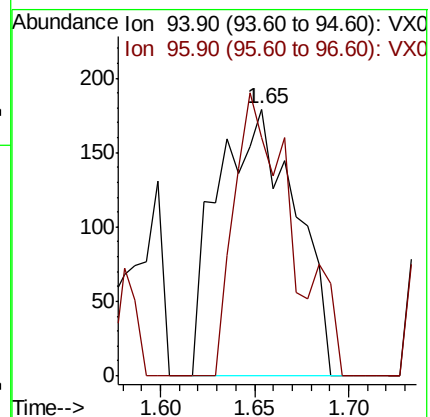
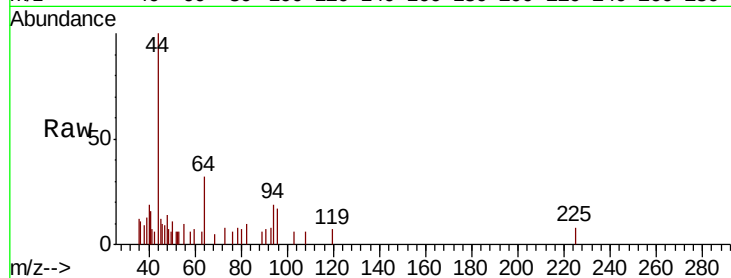
Z3-0705

Tgt Ion: 94 Resp: 518

Ion Ratio Lower Upper

94 100

96 89.4 74.6 112.0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX011484.D

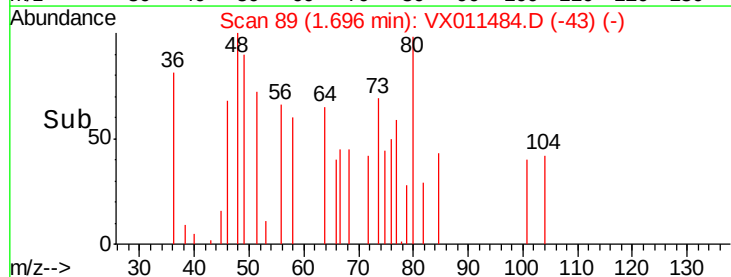
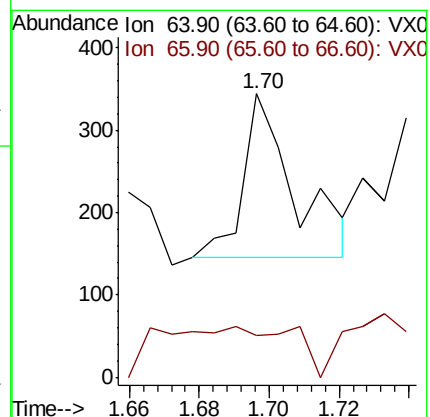
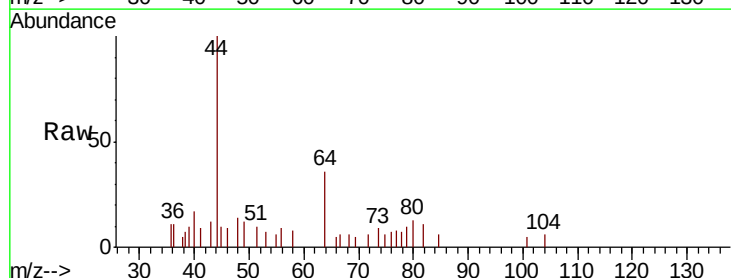
Acq: 12 Aug 2019 15:29

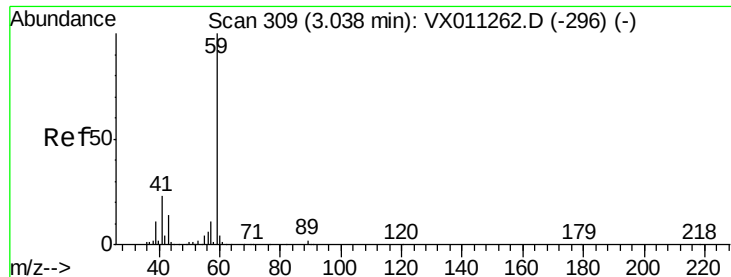
Tgt Ion: 64 Resp: 201

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



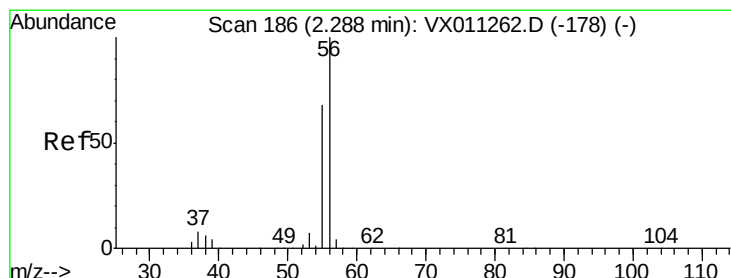
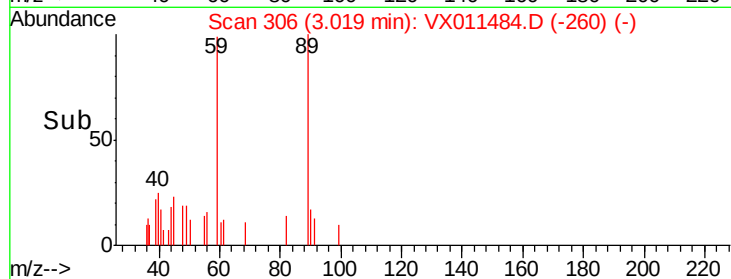
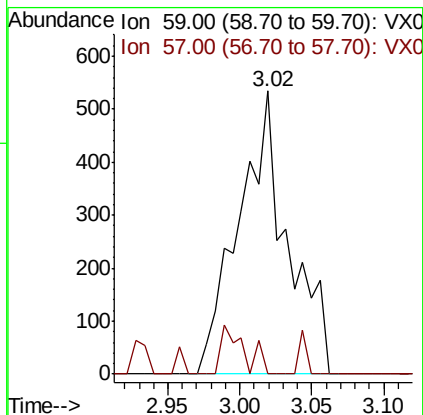
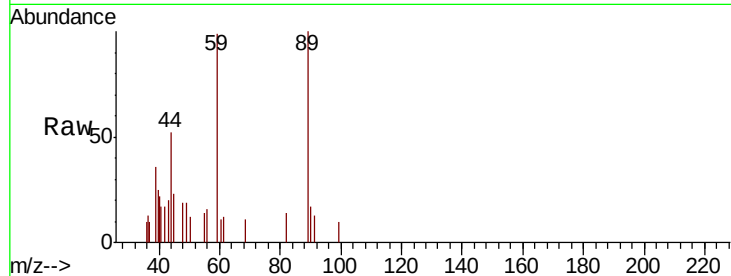


#11

Tert butyl alcohol
Concen: 3.410 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011484.D
Acq: 12 Aug 2019 15:29

Instrument :
MSVOA_X
ClientSampleId :
Z3-0705

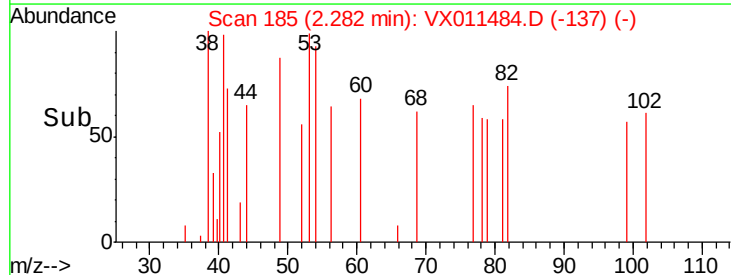
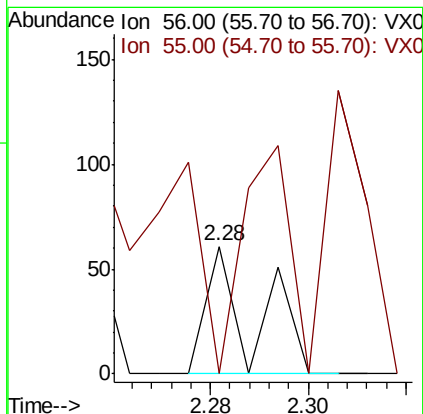
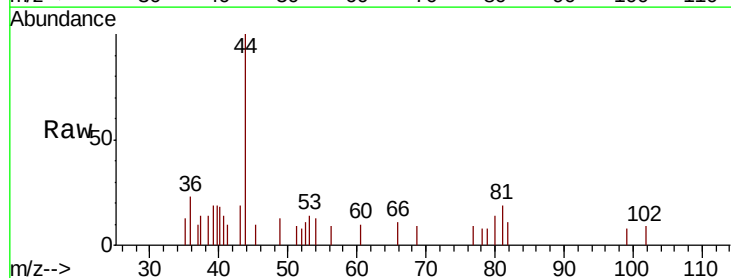
Tgt Ion: 59 Resp: 1268
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

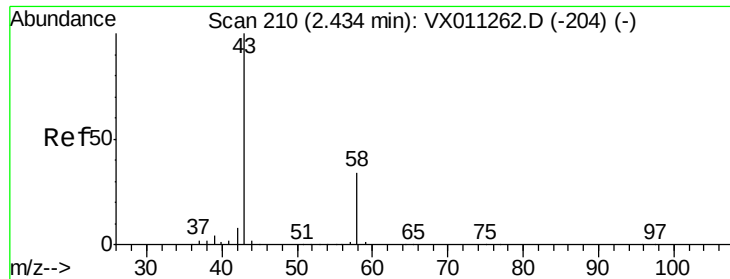


#13

Acrolein
Concen: Below Cal
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX011484.D
Acq: 12 Aug 2019 15:29

Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 175.6 56.0 84.0#





#16

Acetone

Concen: 5.278 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011484.D

Acq: 12 Aug 2019 15:29

Instrument :

MSVOA_X

ClientSampled :

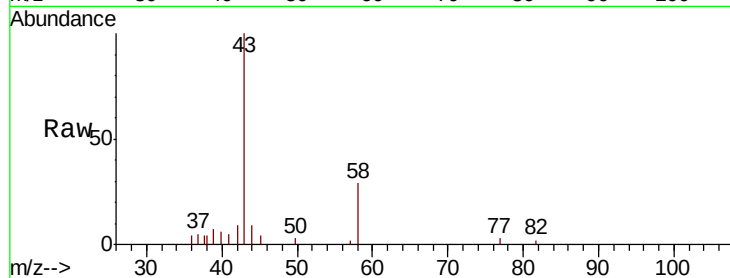
Z3-0705

Tgt Ion: 43 Resp: 4716

Ion Ratio Lower Upper

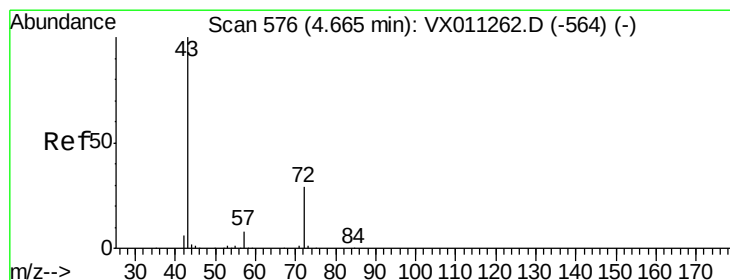
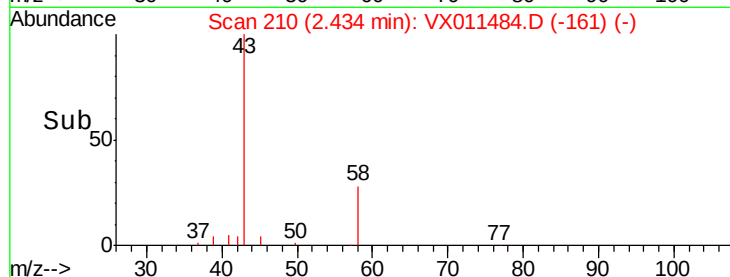
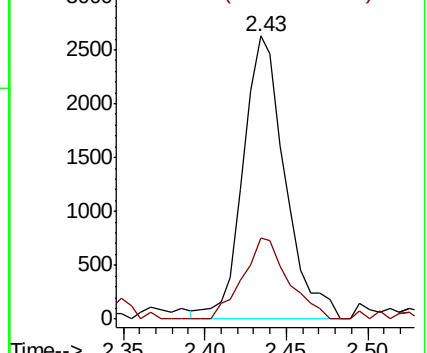
43 100

58 28.7 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.883 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.02 min

Lab File: VX011484.D

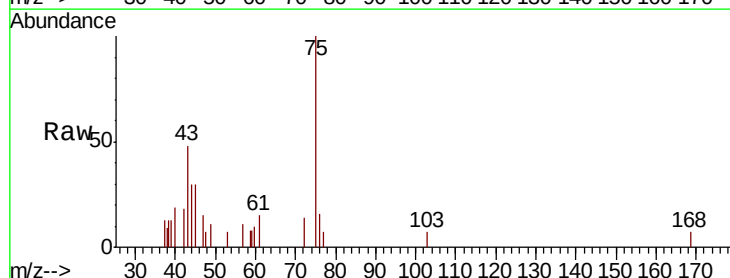
Acq: 12 Aug 2019 15:29

Tgt Ion: 43 Resp: 1122

Ion Ratio Lower Upper

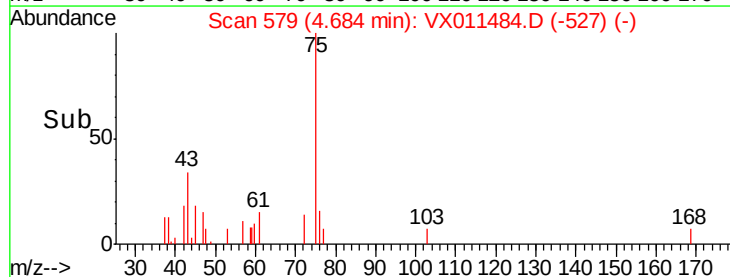
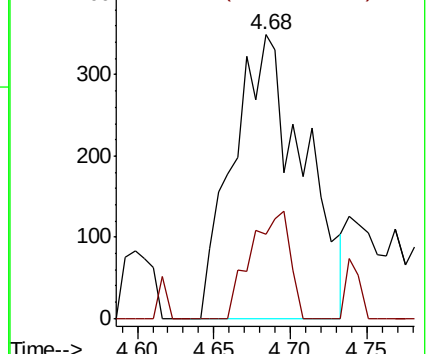
43 100

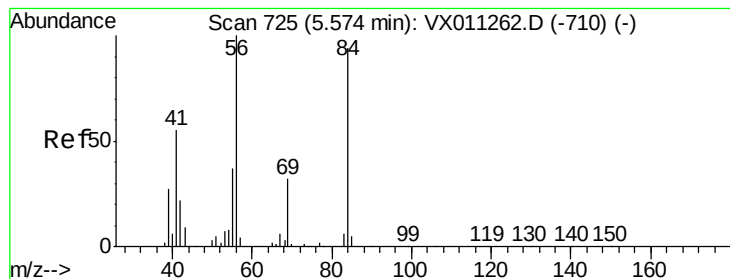
72 29.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.613 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX011484.D

Acq: 12 Aug 2019 15:29

Instrument :

MSVOA_X

ClientSampled :

Z3-0705

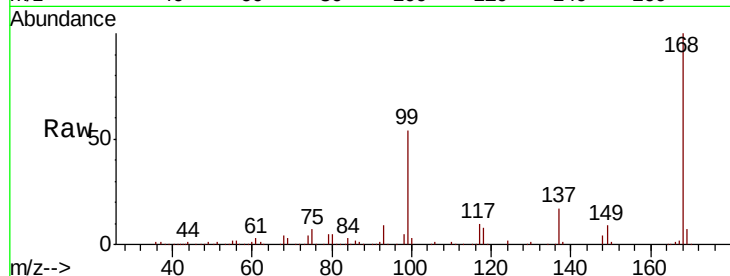
Tgt Ion: 56 Resp: 3900

Ion Ratio Lower Upper

56 100

69 145.2 25.5 38.3#

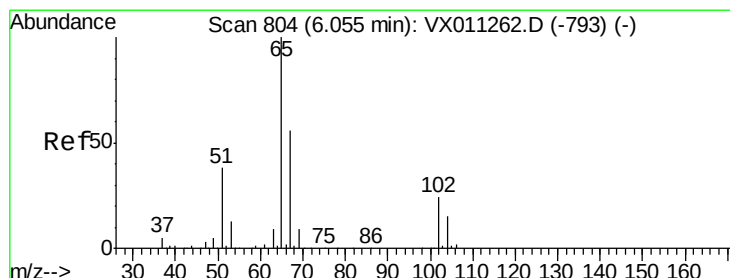
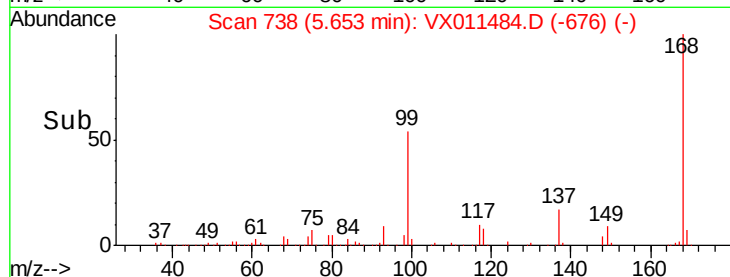
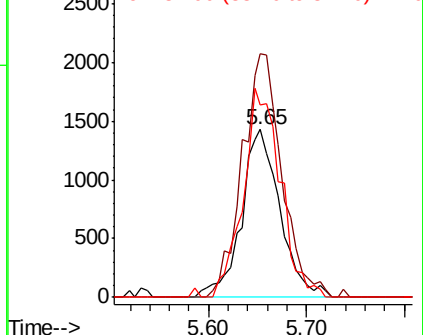
84 125.3 75.0 112.4#



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: 54.391 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011484.D

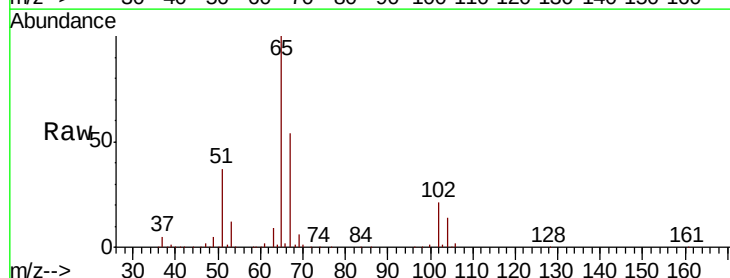
Acq: 12 Aug 2019 15:29

Tgt Ion: 65 Resp: 102097

Ion Ratio Lower Upper

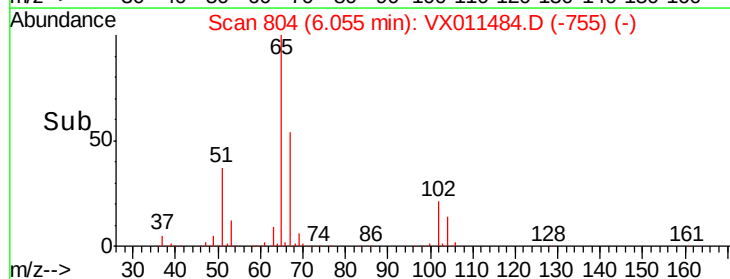
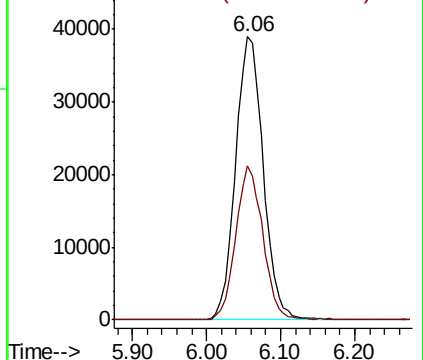
65 100

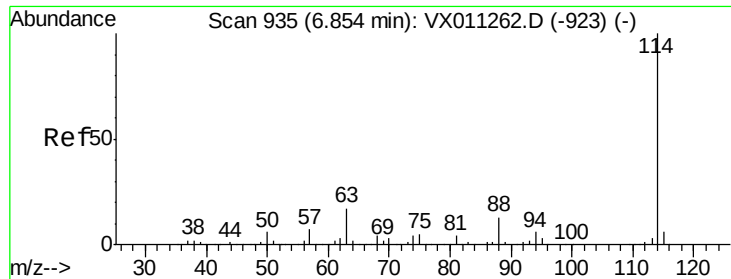
67 53.1 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

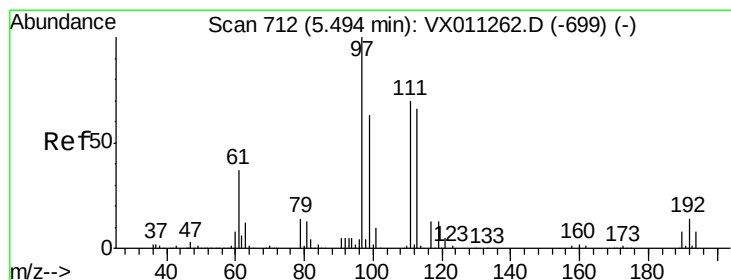
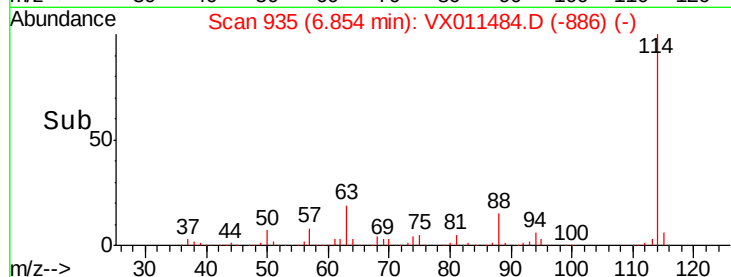
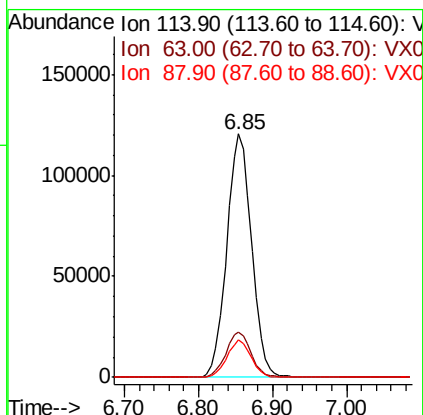
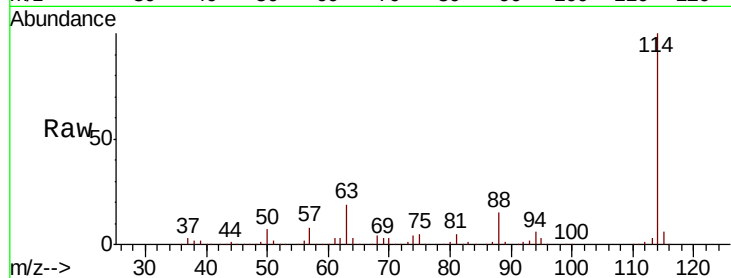




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011484.D
 Acq: 12 Aug 2019 15:29

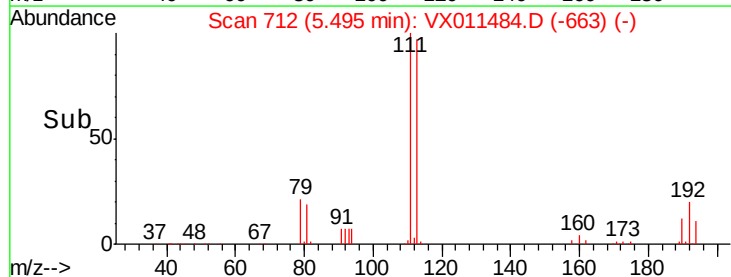
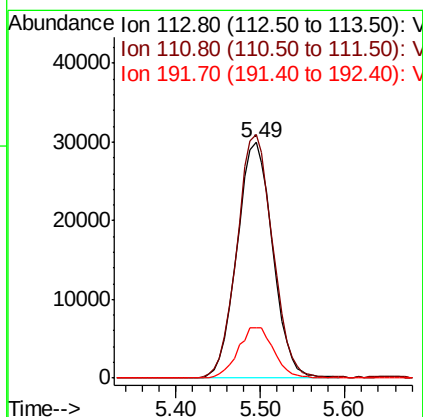
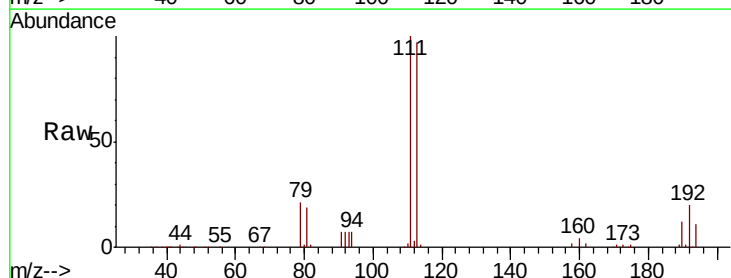
Instrument :
 MSVOA_X
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 Z3-0705

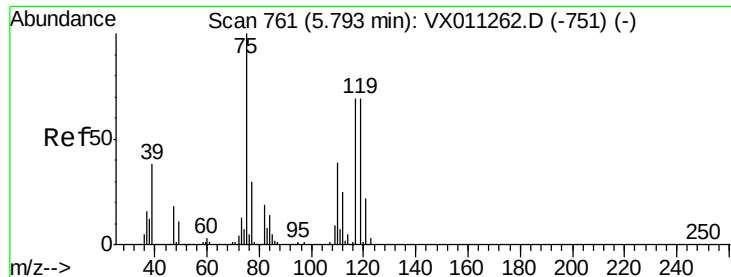
Tgt Ion:114 Resp: 280746
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 34.0
 88 15.2 0.0 26.4



#35
 Dibromofluoromethane
 Concen: 46.901 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011484.D
 Acq: 12 Aug 2019 15:29

Tgt Ion:113 Resp: 85966
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.9 122.9
 192 21.5 17.8 26.8

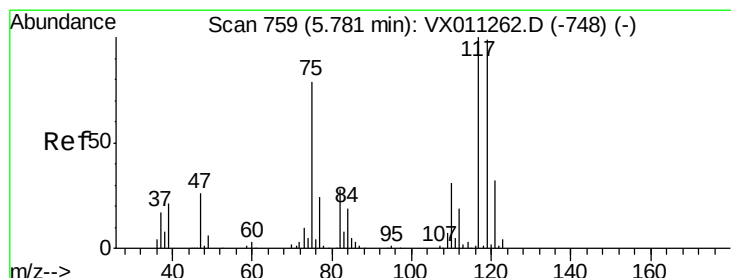
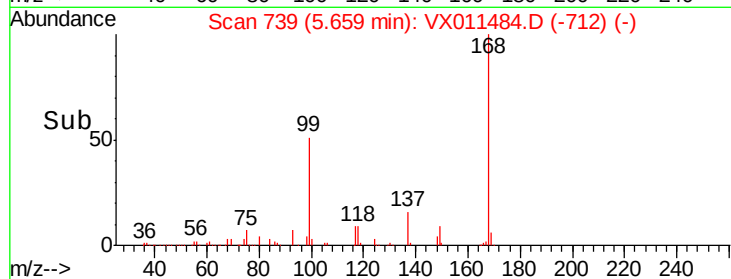
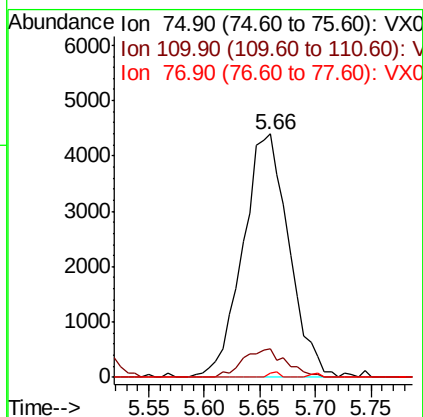
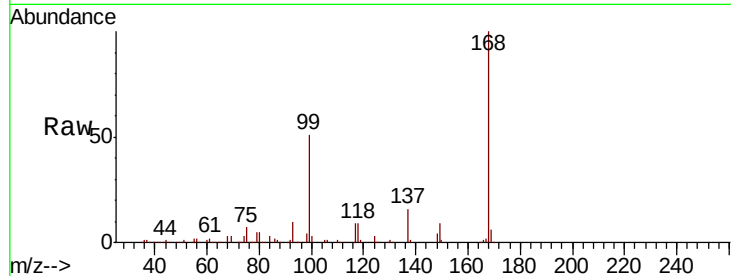




#36
 1,1-Dichloropropene
 Concen: 5.153 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011484.D
 Acq: 12 Aug 2019 15:29

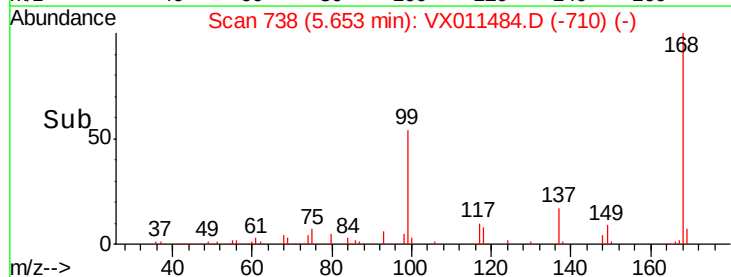
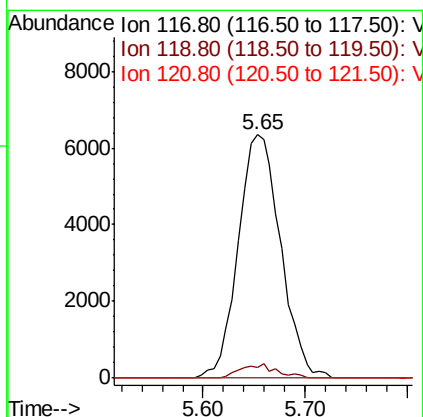
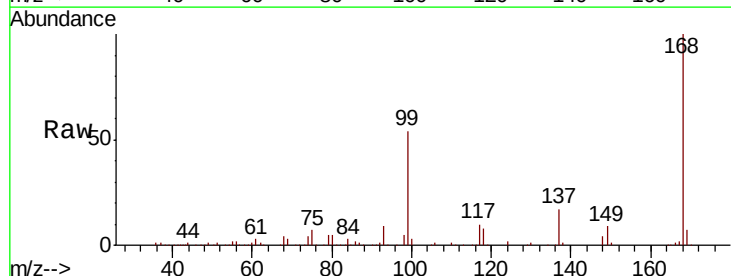
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0705

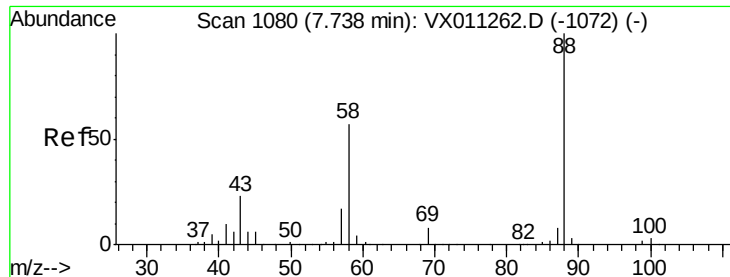
Tgt Ion: 75 Resp: 12632
 Ion Ratio Lower Upper
 75 100
 110 11.1 20.0 59.9#
 77 0.5 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 7.392 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011484.D
 Acq: 12 Aug 2019 15:29

Tgt Ion: 117 Resp: 18230
 Ion Ratio Lower Upper
 117 100
 119 4.2 79.0 118.4#
 121 0.0 25.9 38.9#

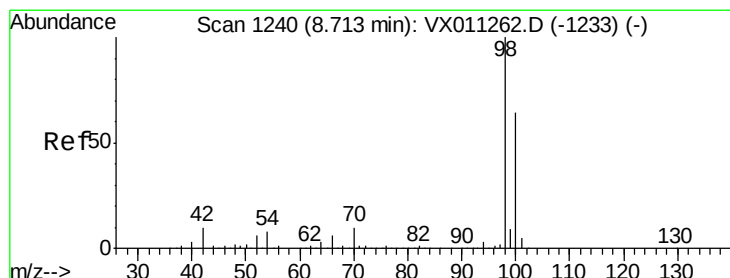
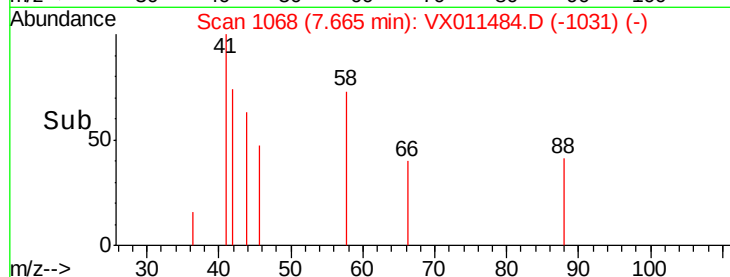
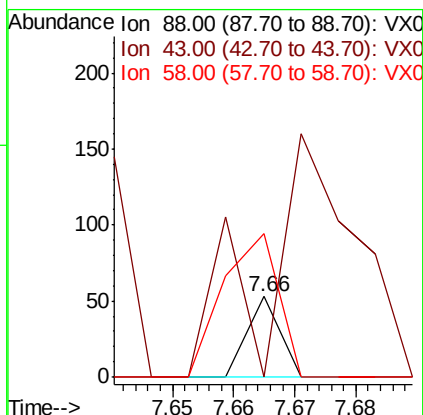
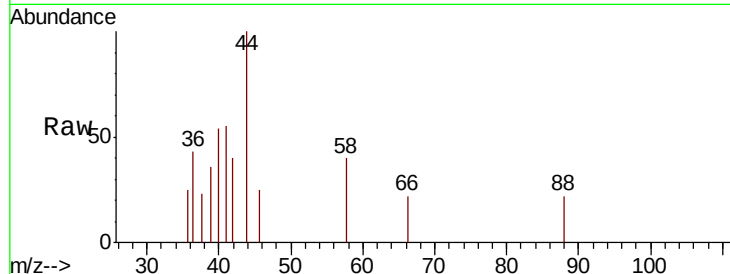




#49
1,4-Dioxane
Concen: 0.354 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. -0.07 min
Lab File: VX011484.D
Acq: 12 Aug 2019 15:29

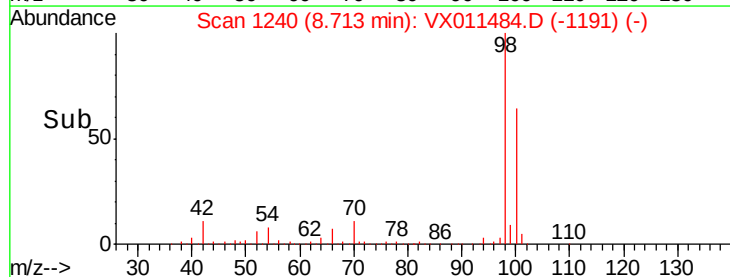
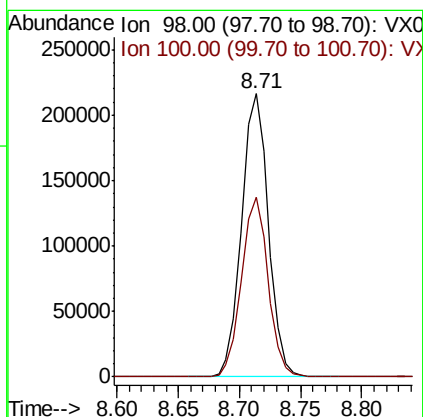
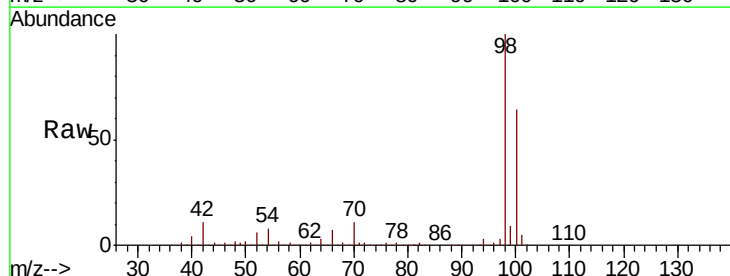
Instrument :
MSVOA_X
ClientSampleId :
Z3-0705

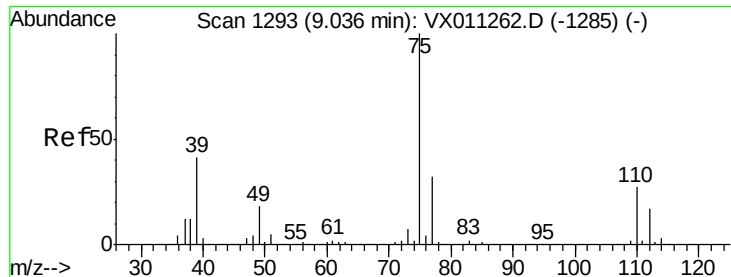
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 863.2 22.2 33.2#
58 310.5 47.8 71.8#



#50
Toluene-d8
Concen: 47.482 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011484.D
Acq: 12 Aug 2019 15:29

Tgt Ion: 98 Resp: 328517
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5

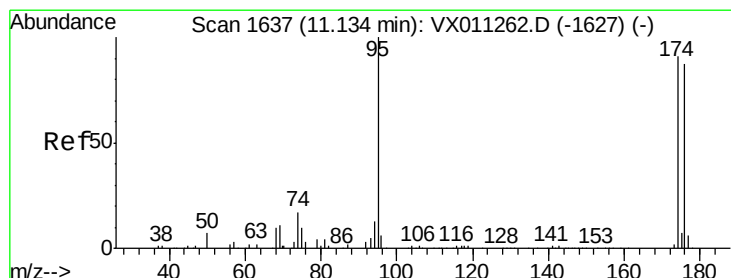
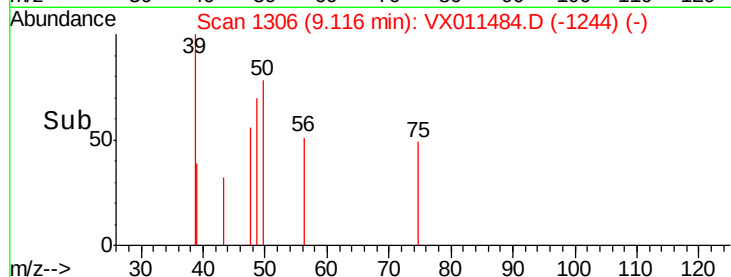
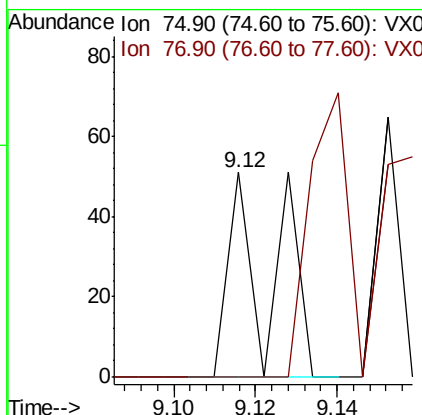
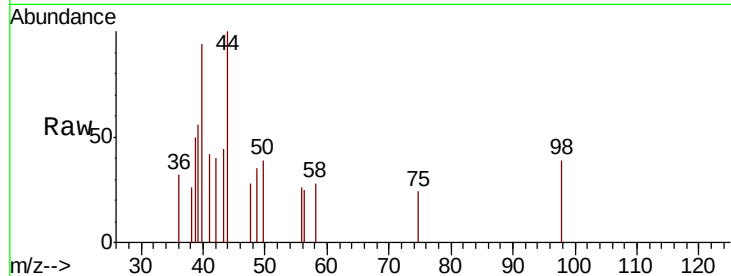




#53
t-1,3-Dichloropropene
Concen: 2.851 ug/l
RT: 9.12 min Scan# 1306
Delta R.T. 0.08 min
Lab File: VX011484.D
Acq: 12 Aug 2019 15:29

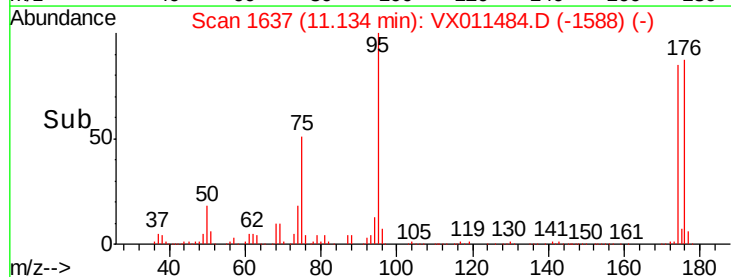
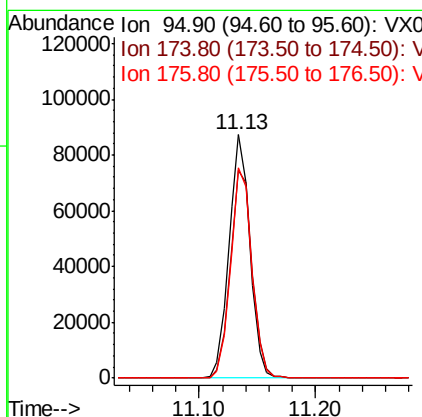
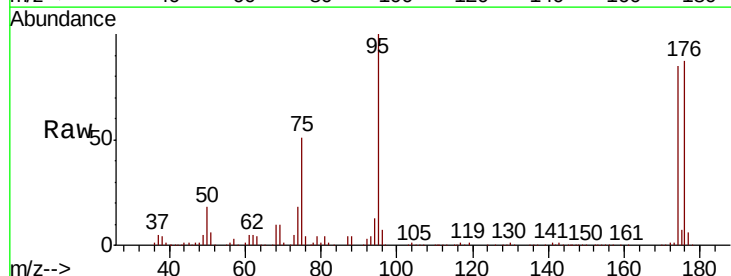
Instrument :
MSVOA_X
ClientSampleId :
Z3-0705

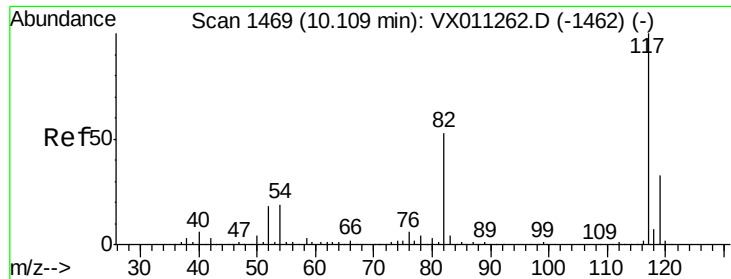
Tgt Ion: 75 Resp: 37
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 43.997 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011484.D
Acq: 12 Aug 2019 15:29

Tgt Ion: 95 Resp: 108680
Ion Ratio Lower Upper
95 100
174 89.8 0.0 191.2
176 88.1 0.0 184.8

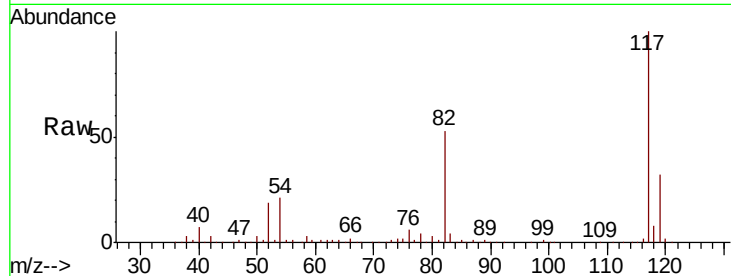




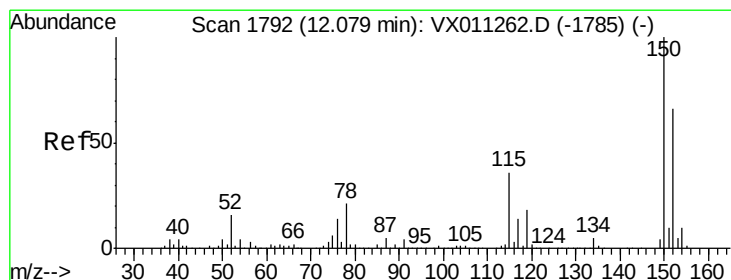
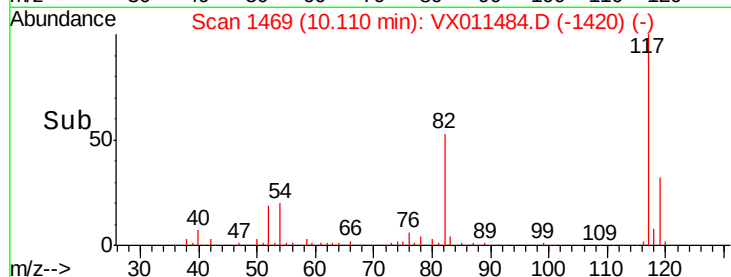
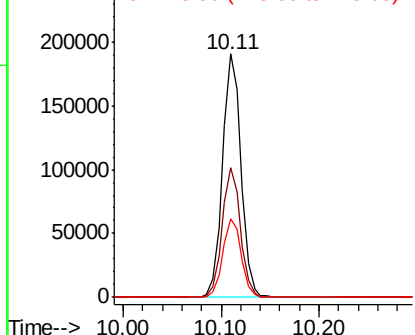
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011484.D
Acq: 12 Aug 2019 15:29

Instrument :
MSVOA_X
ClientSampled :
Z3-0705

Tgt Ion:117 Resp: 249163
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.2
119 32.1 26.6 39.8

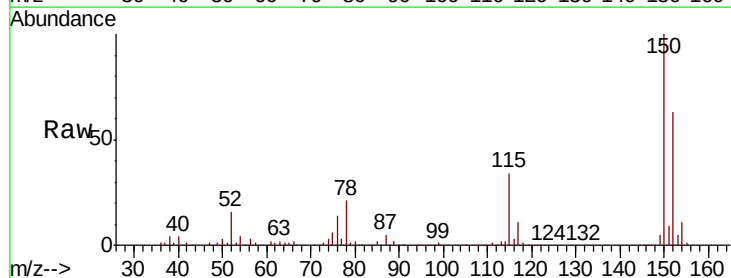


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

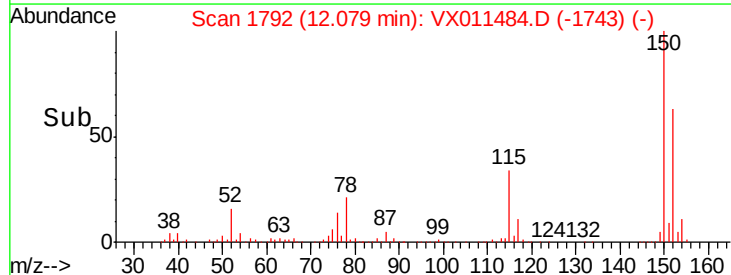
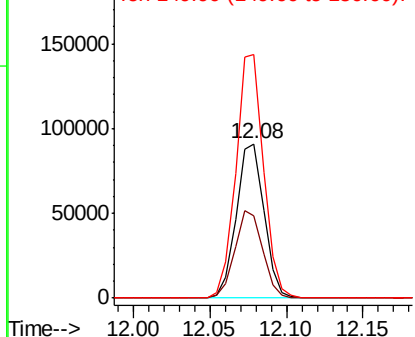


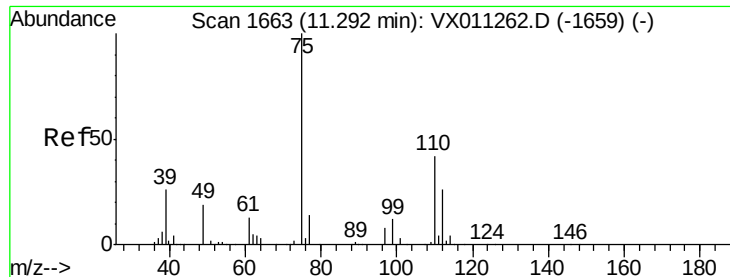
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011484.D
Acq: 12 Aug 2019 15:29

Tgt Ion:152 Resp: 114367
Ion Ratio Lower Upper
152 100
115 56.5 40.0 119.9
150 157.6 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: 26.674 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011484.D

Acq: 12 Aug 2019 15:29

Instrument :

MSVOA_X

ClientSampled :

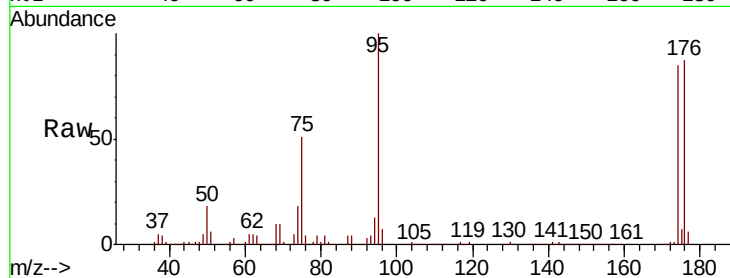
Z3-0705

Tgt Ion: 75 Resp: 55556

Ion Ratio Lower Upper

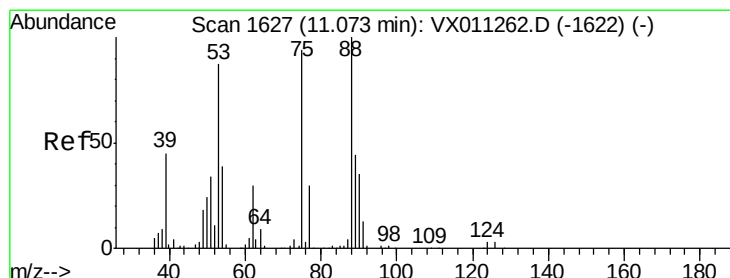
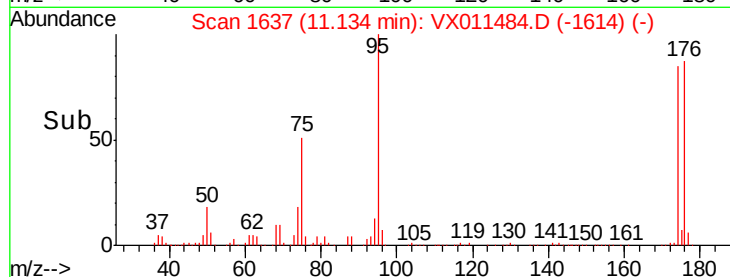
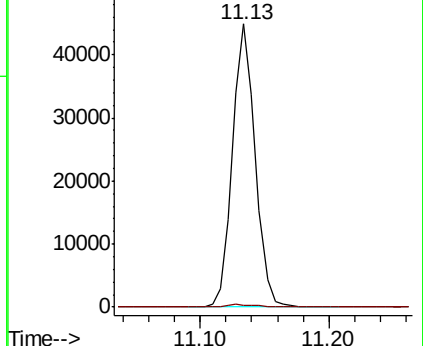
75 100

77 1.2 21.1 63.4#



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: 69.305 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011484.D

Acq: 12 Aug 2019 15:29

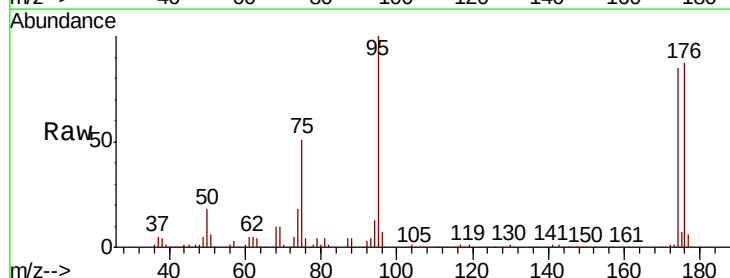
Tgt Ion: 75 Resp: 55556

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 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

