

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081119\
 Data File : VX011467.D
 Acq On : 12 Aug 2019 06:14
 Operator : JC/SP
 Sample : K4230-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2S-D1-(0)

Quant Time: Aug 12 08:00:22 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

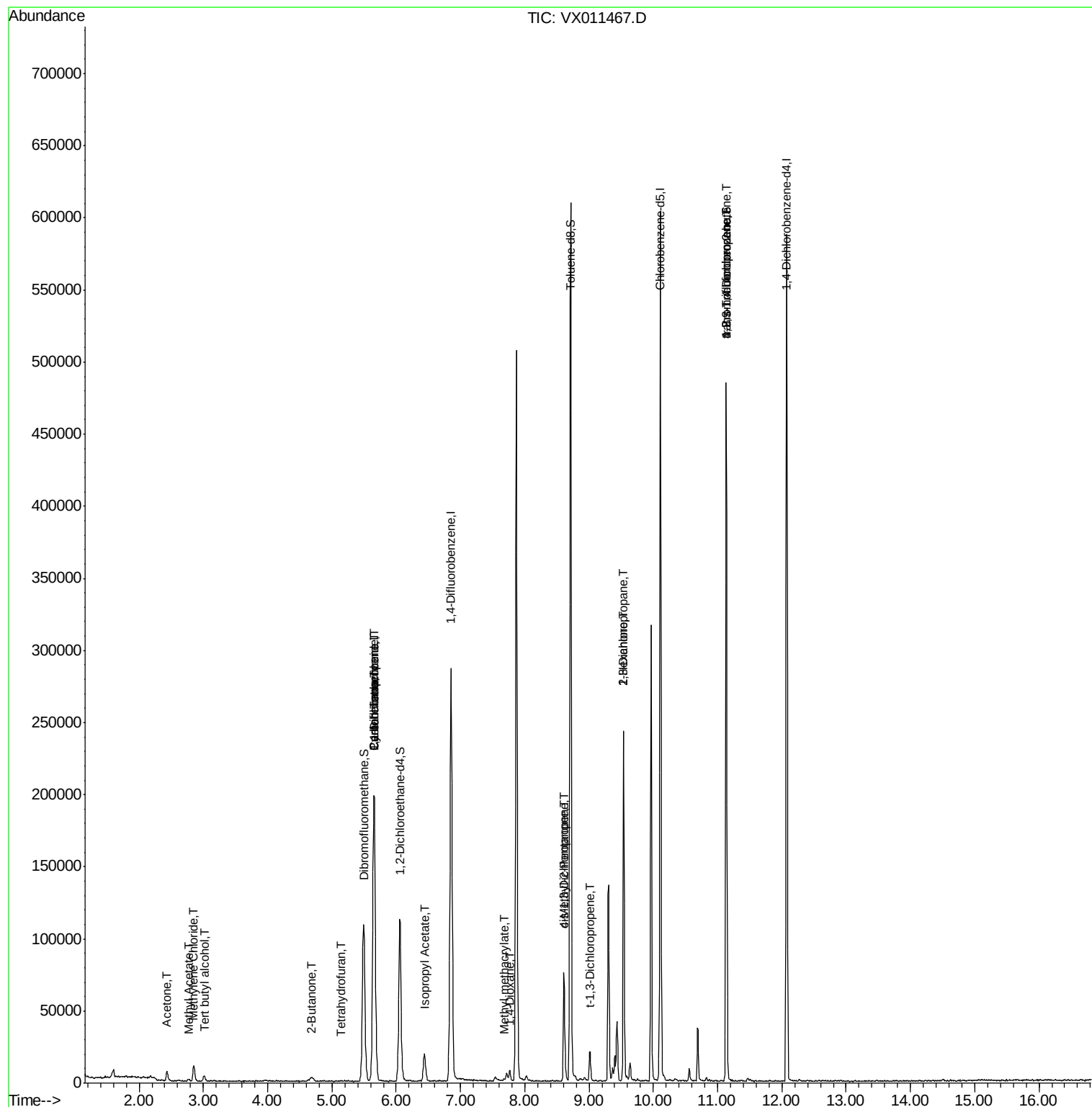
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	196941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	295939	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	272961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121882	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	106765	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
35) Dibromofluoromethane	5.49	113	90406	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
50) Toluene-d8	8.71	98	357978	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	11.13	95	117749	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.71	64	156	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	2061	5.234	ug/l #	77
13) Acrolein	2.30	56	76	Below Cal		92
16) Acetone	2.43	43	7869	8.336	ug/l	98
18) Methyl Acetate	2.77	43	1728	0.801	ug/l #	90
20) Methylene Chloride	2.85	84	5313	2.570	ug/l	98
25) 2-Butanone	4.68	43	573	0.427	ug/l	93
29) Tetrahydrofuran	5.13	42	184	0.223	ug/l #	51
31) Cyclohexane	5.65	56	3956	1.549	ug/l #	13
36) 1,1-Dichloropropene	5.65	75	14025	5.428	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18959	7.293	ug/l #	15
43) Isopropyl Acetate	6.44	43	25067	6.050	ug/l	98
48) Methyl methacrylate	7.68	41	1362	0.698	ug/l #	13
49) 1,4-Dioxane	7.77	88	47	0.831	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	25207	9.426	ug/l #	46
53) t-1,3-Dichloropropene	9.02	75	70	2.861	ug/l #	43
54) cis-1,3-Dichloropropene	8.61	75	12035	4.174	ug/l #	69
57) 1,3-Dichloropropane	9.54	76	2072	0.625	ug/l #	45
59) 2-Hexanone	9.54	43	26728	12.904	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	60325	27.178	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	60325	70.529	ug/l #	10

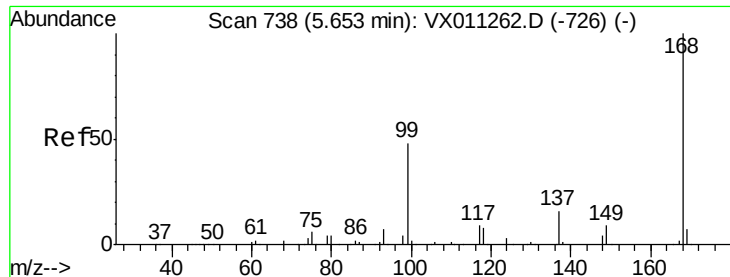
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
2S-D1-(0)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
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: VX011467.D

Acq: 12 Aug 2019 06:14

Instrument :

MSVOA_X

ClientSampleId :

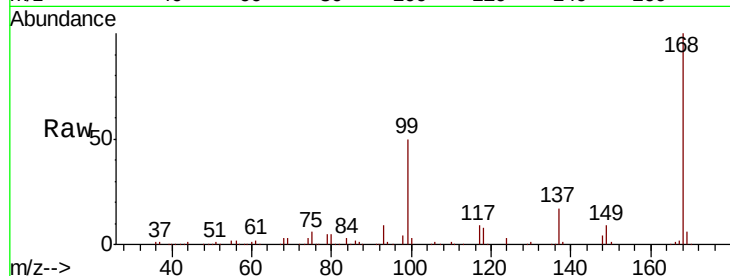
2S-D1-(0)

Tgt Ion:168 Resp: 196941

Ion Ratio Lower Upper

168 100

99 49.8 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

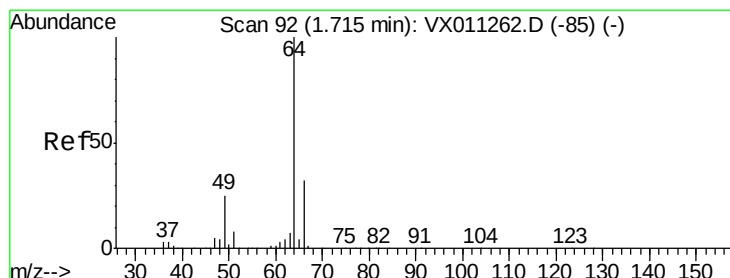
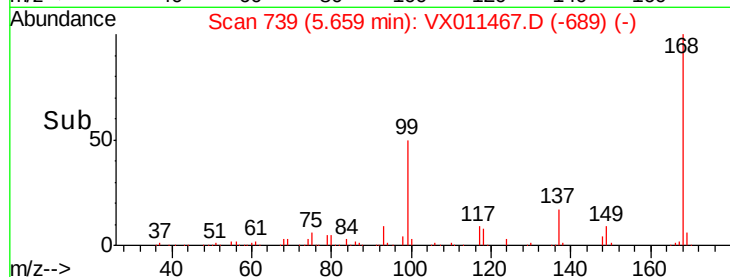
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011467.D

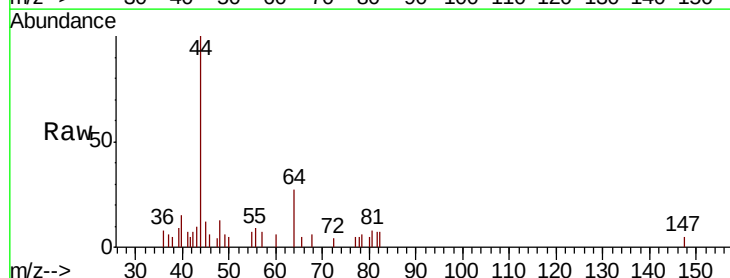
Acq: 12 Aug 2019 06:14

Tgt Ion: 64 Resp: 156

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

1.71

400

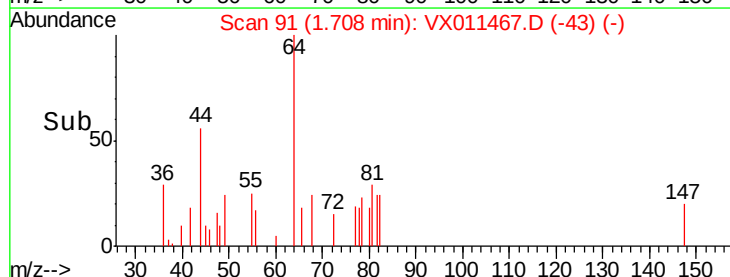
300

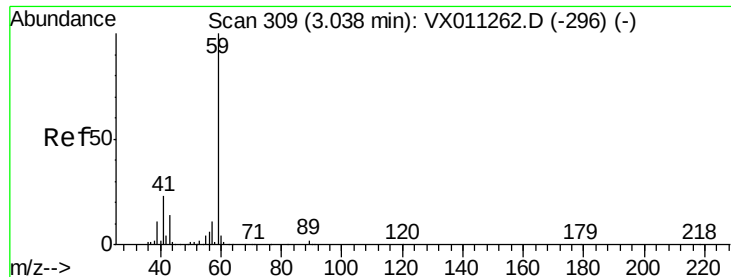
200

100

0

Time--> 1.70 1.71 1.72

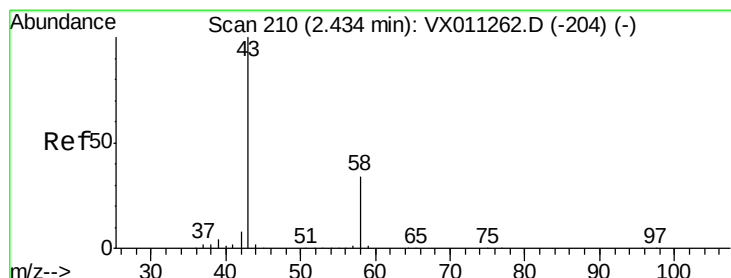
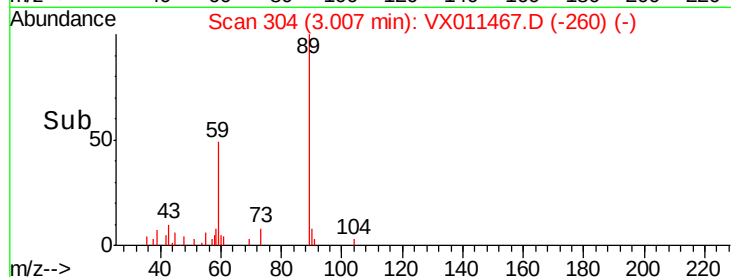
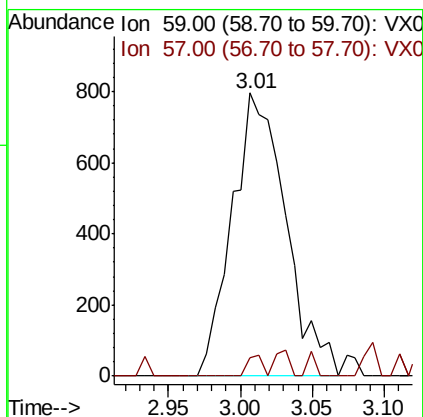
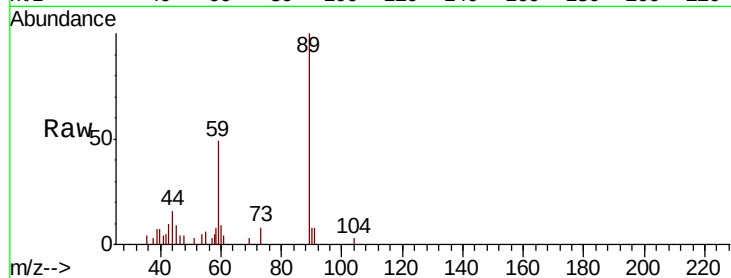




#11
Tert butyl alcohol
Concen: 5.234 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011467.D
Acq: 12 Aug 2019 06:14

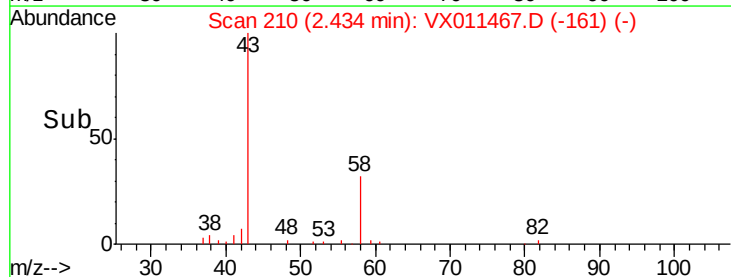
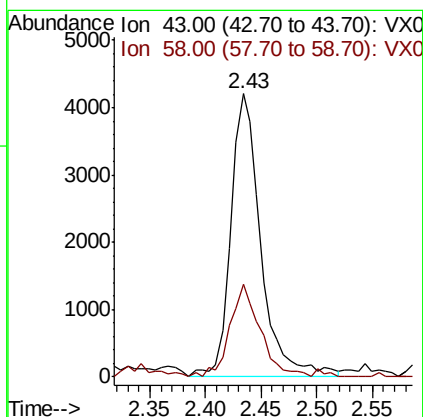
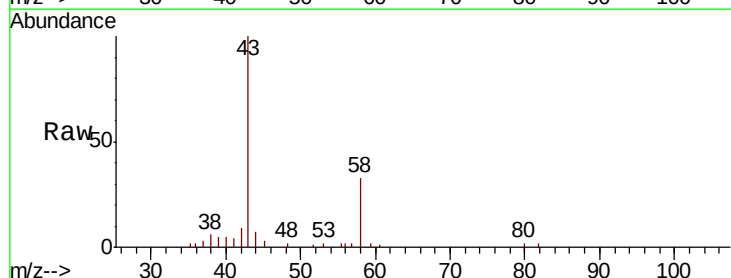
Instrument :
MSVOA_X
ClientSampled :
2S-D1-(0)

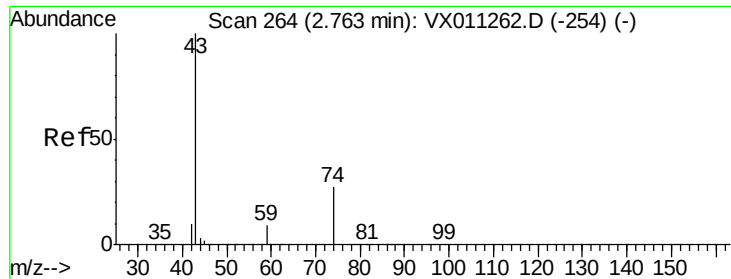
Tgt Ion: 59 Resp: 2061
Ion Ratio Lower Upper
59 100
57 1.9 8.3 12.5#



#16
Acetone
Concen: 8.336 ug/l
RT: 2.43 min Scan# 210
Delta R.T. -0.00 min
Lab File: VX011467.D
Acq: 12 Aug 2019 06:14

Tgt Ion: 43 Resp: 7869
Ion Ratio Lower Upper
43 100
58 32.9 27.4 41.0





#18

Methyl Acetate

Concen: 0.801 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011467.D

Acq: 12 Aug 2019 06:14

Instrument :

MSVOA_X

ClientSampleId :

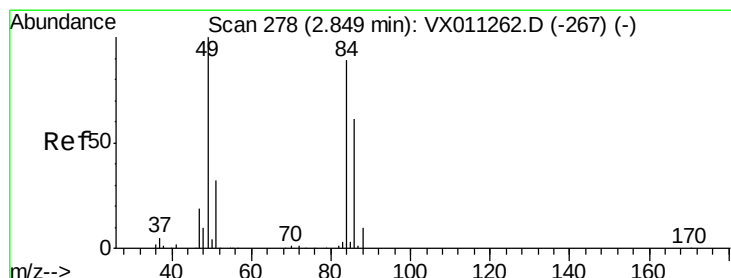
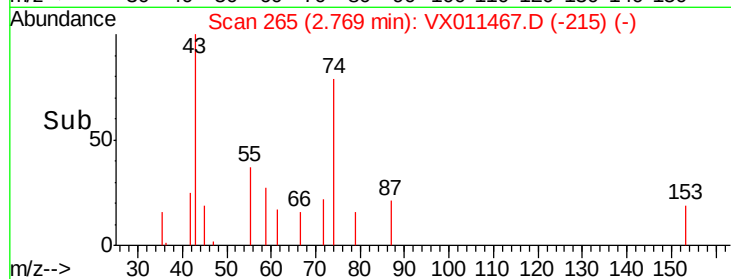
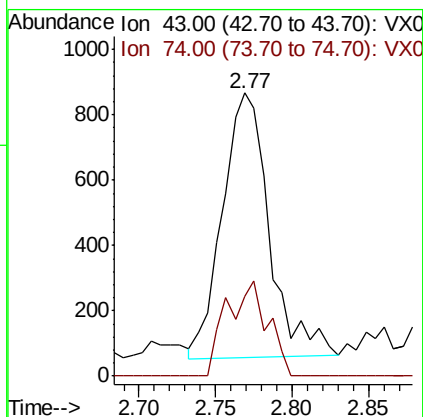
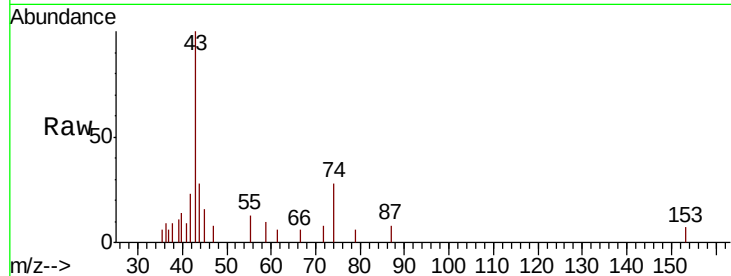
2S-D1-(0)

Tgt Ion: 43 Resp: 1728

Ion Ratio Lower Upper

43 100

74 31.6 21.0 31.6#



#20

Methylene Chloride

Concen: 2.570 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.00 min

Lab File: VX011467.D

Acq: 12 Aug 2019 06:14

Tgt Ion: 84 Resp: 5313

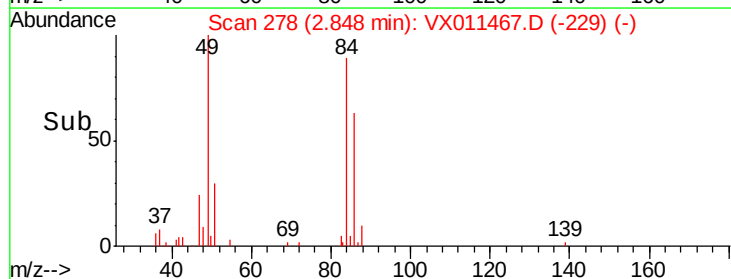
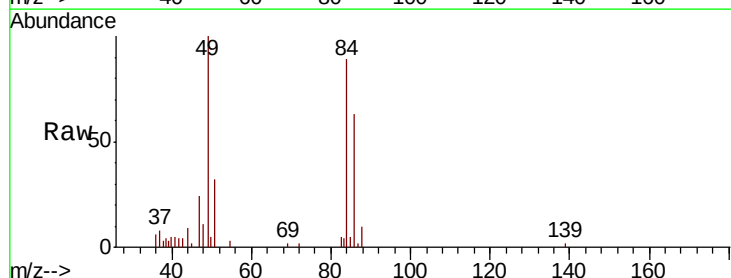
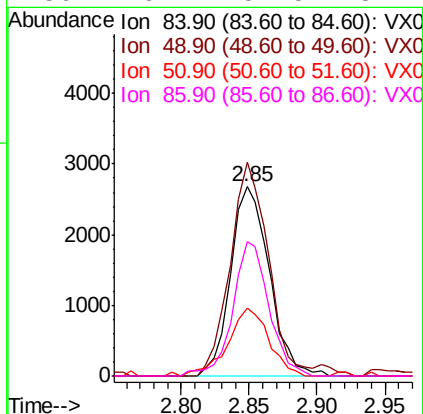
Ion Ratio Lower Upper

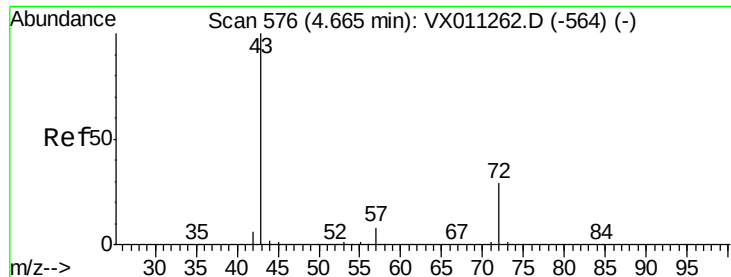
84 100

49 112.8 89.3 133.9

51 34.0 28.3 42.5

86 70.7 54.5 81.7





#25

2-Butanone

Concen: 0.427 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX011467.D

Acq: 12 Aug 2019 06:14

Instrument :

MSVOA_X

ClientSampled :

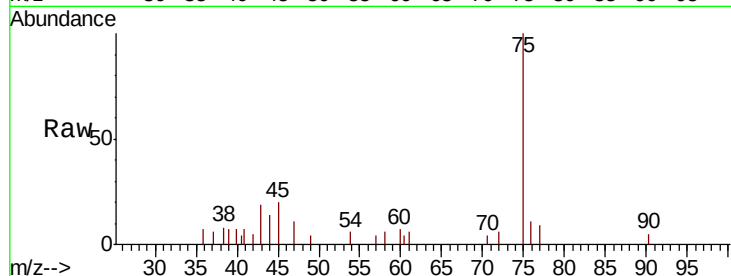
2S-D1-(0)

Tgt Ion: 43 Resp: 573

Ion Ratio Lower Upper

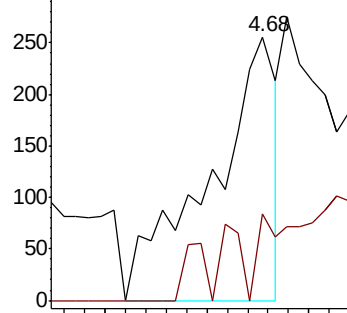
43 100

72 32.8 23.2 34.8

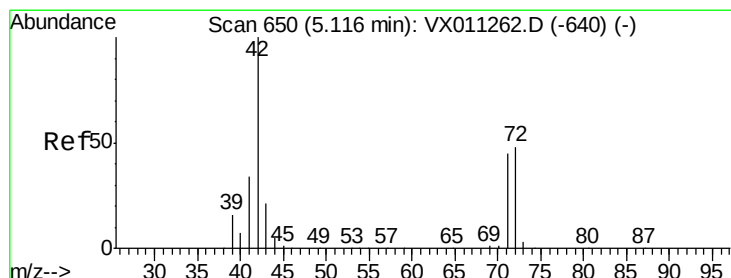
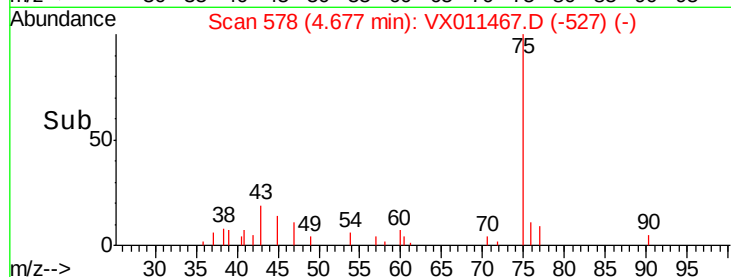


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.223 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.02 min

Lab File: VX011467.D

Acq: 12 Aug 2019 06:14

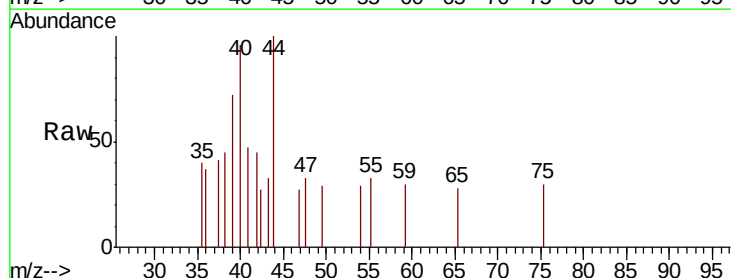
Tgt Ion: 42 Resp: 184

Ion Ratio Lower Upper

42 100

72 28.8 39.9 59.9#

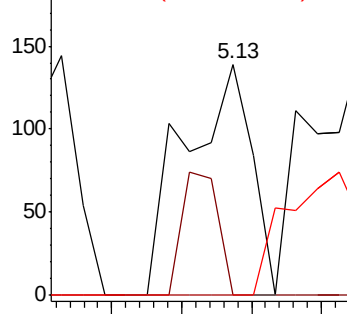
71 0.0 36.9 55.3#



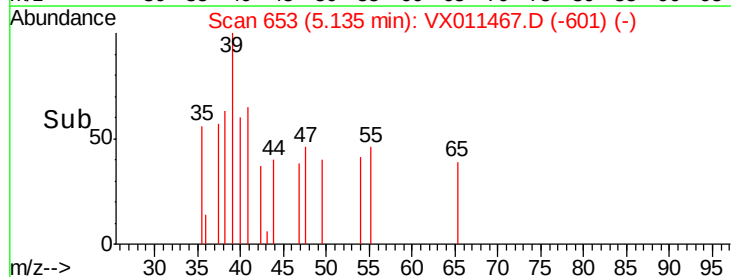
Abundance Ion 42.00 (41.70 to 42.70): VX0

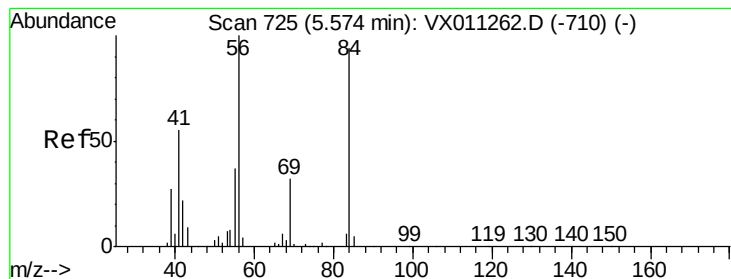
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->





#31

Cyclohexane

Concen: 1.549 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX011467.D

Acq: 12 Aug 2019 06:14

Instrument :

MSVOA_X

ClientSampleId :

2S-D1-(0)

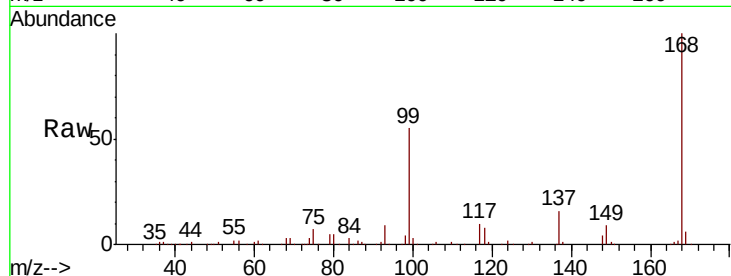
Tgt Ion: 56 Resp: 3956

Ion Ratio Lower Upper

56 100

69 161.2 25.5 38.3#

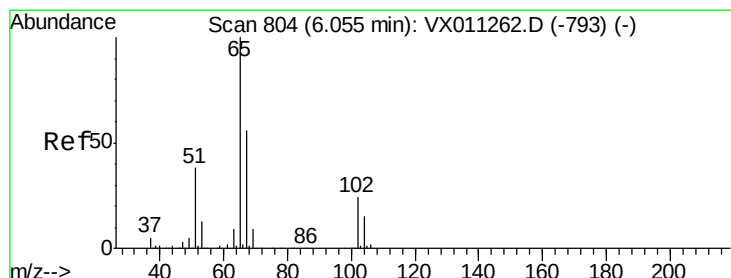
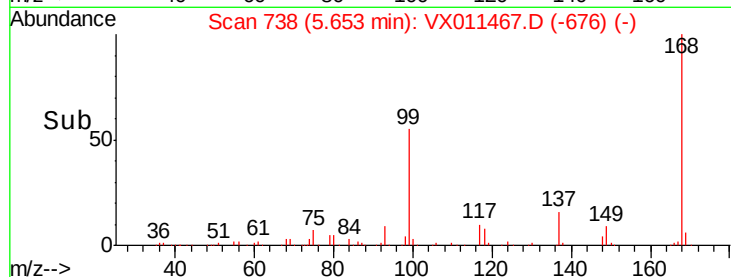
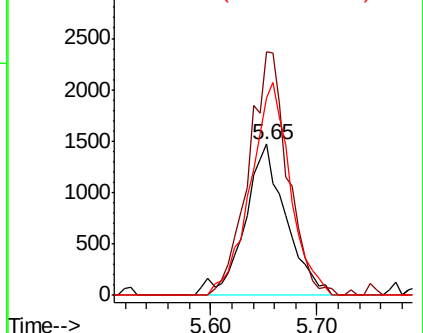
84 130.5 75.0 112.4#



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: 53.832 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011467.D

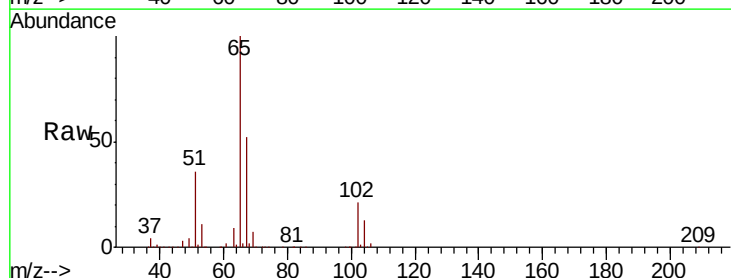
Acq: 12 Aug 2019 06:14

Tgt Ion: 65 Resp: 106765

Ion Ratio Lower Upper

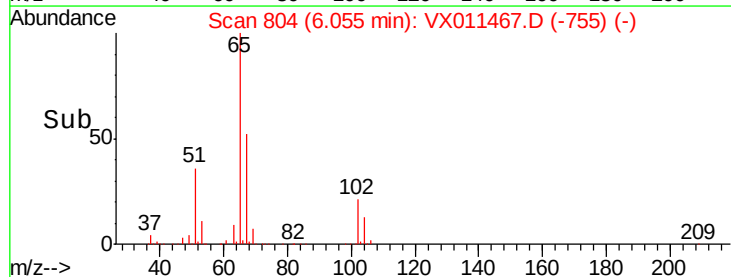
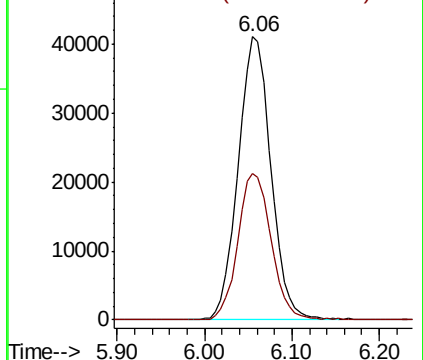
65 100

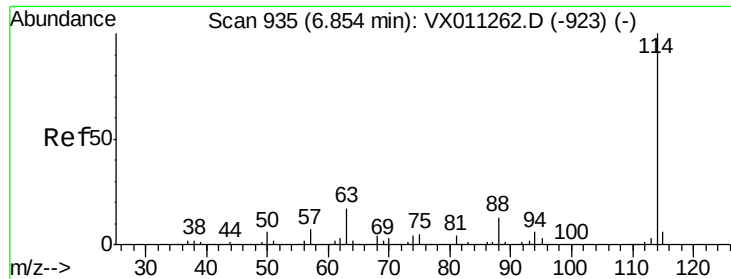
67 52.8 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

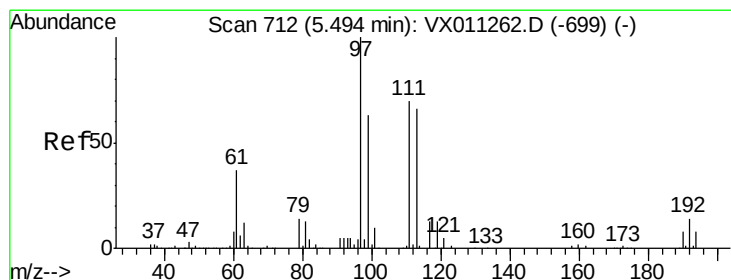
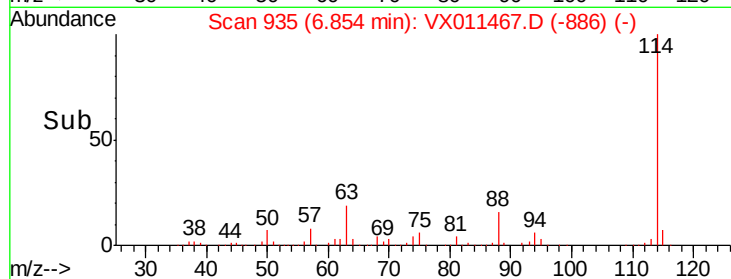
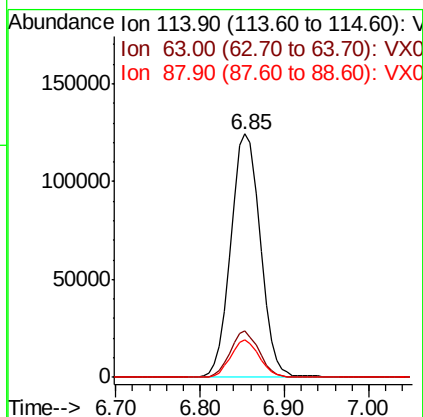
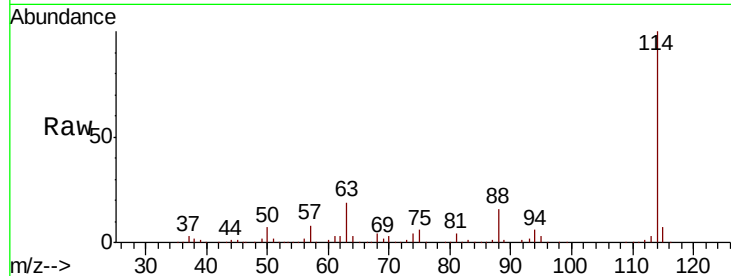




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011467.D
 Acq: 12 Aug 2019 06:14

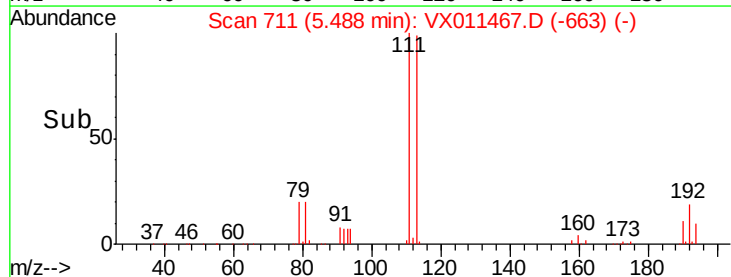
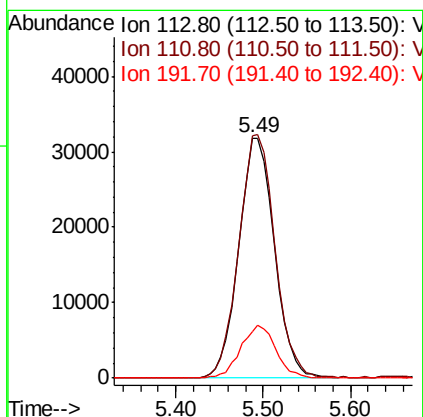
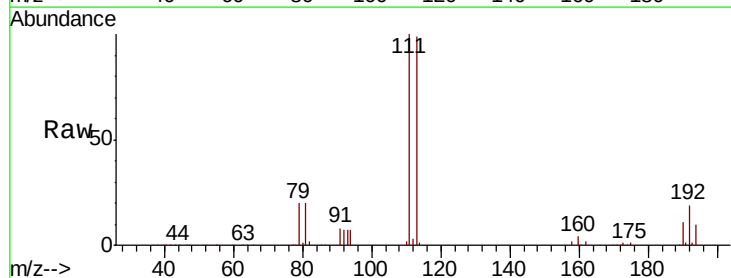
Instrument :
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 ClientSampleId :
 2S-D1-(0)

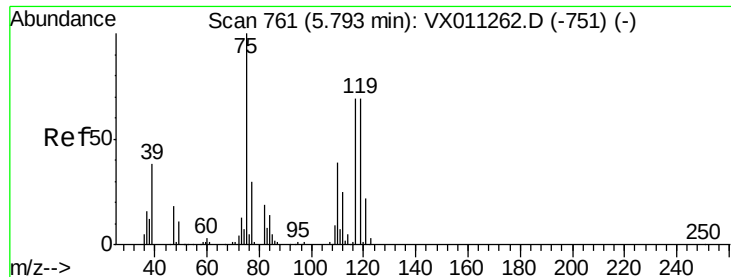
Tgt Ion:114 Resp: 295939
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 34.0
 88 15.5 0.0 26.4



#35
 Dibromofluoromethane
 Concen: 46.791 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011467.D
 Acq: 12 Aug 2019 06:14

Tgt Ion:113 Resp: 90406
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.9 122.9
 192 21.5 17.8 26.8

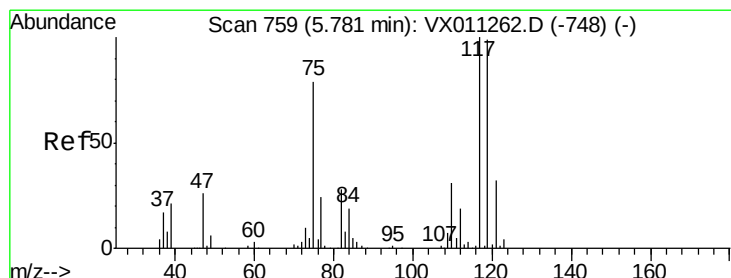
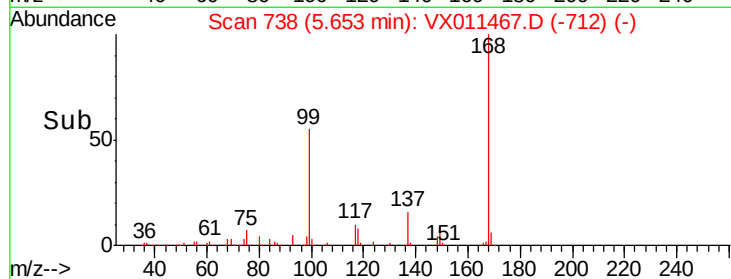
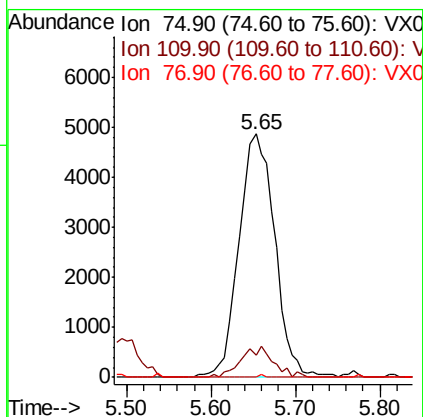
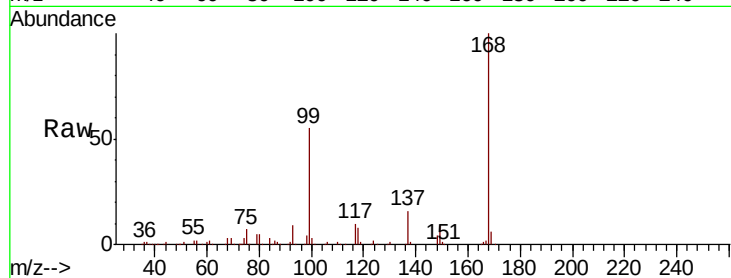




#36
 1,1-Dichloropropene
 Concen: 5.428 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011467.D
 Acq: 12 Aug 2019 06:14

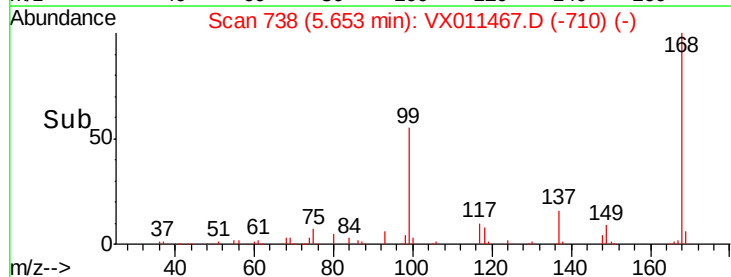
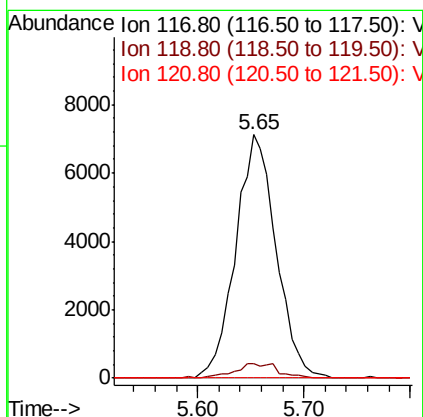
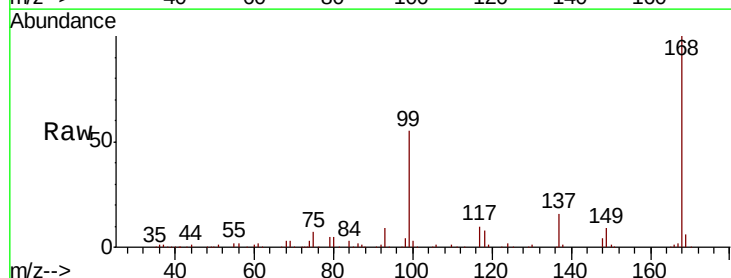
Instrument :
 MSVOA_X
 ClientSampleId :
 2S-D1-(0)

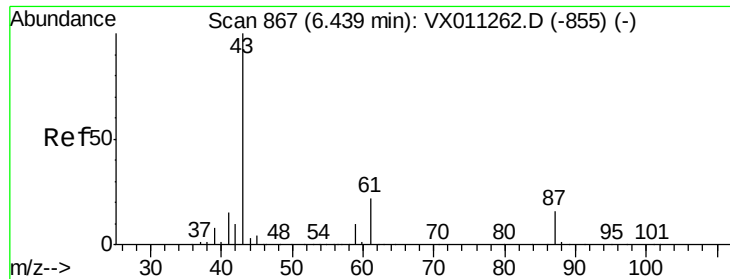
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	20.0	59.9#
77	0.1	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.293 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011467.D
 Acq: 12 Aug 2019 06:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	79.0	118.4#
121	0.0	25.9	38.9#





#43

Isopropyl Acetate

Concen: 6.050 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011467.D

Acq: 12 Aug 2019 06:14

Instrument :

MSVOA_X

ClientSampled :

2S-D1-(0)

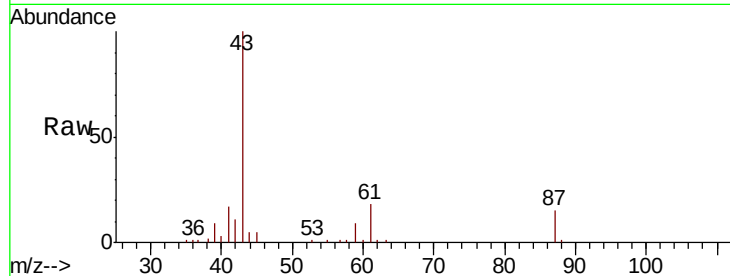
Tgt Ion: 43 Resp: 25067

Ion Ratio Lower Upper

43 100

61 21.7 16.5 24.7

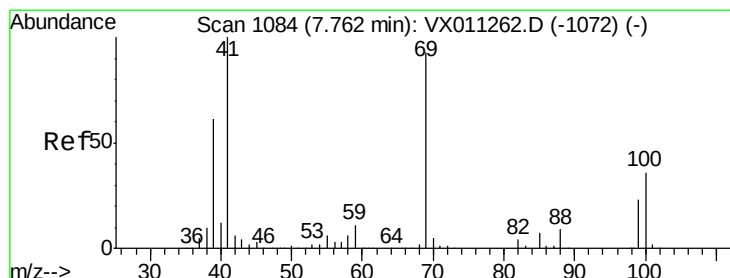
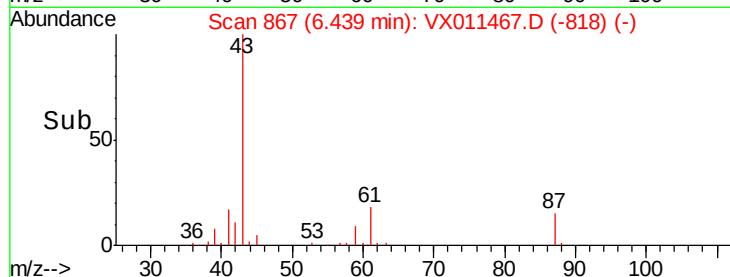
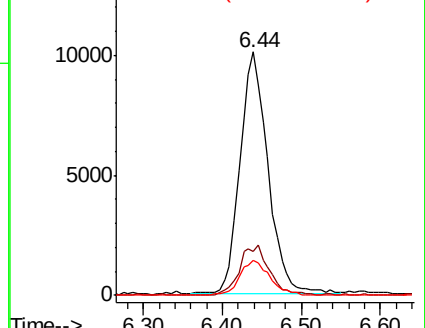
87 15.4 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 0.698 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.09 min

Lab File: VX011467.D

Acq: 12 Aug 2019 06:14

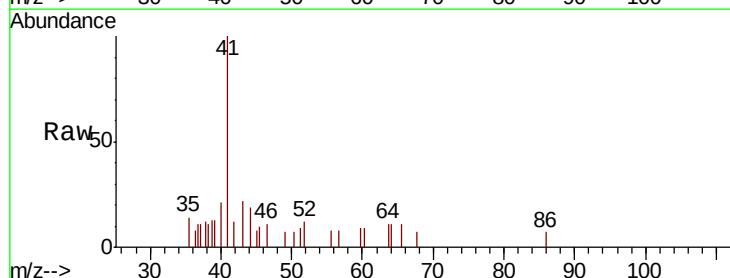
Tgt Ion: 41 Resp: 1362

Ion Ratio Lower Upper

41 100

69 4.9 74.5 111.7#

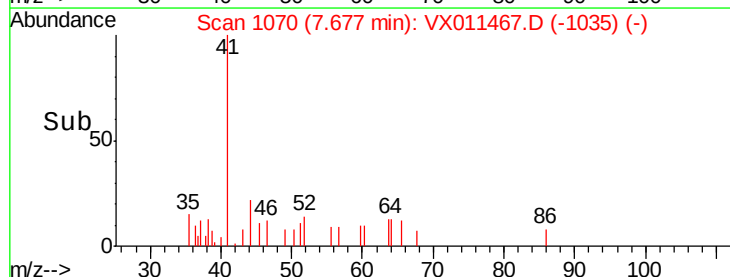
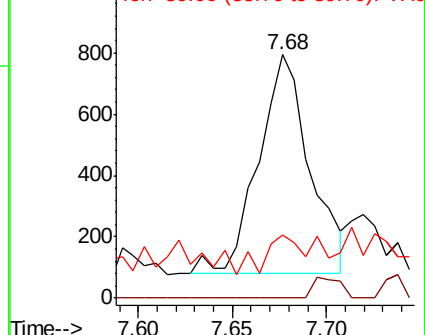
39 0.0 48.6 72.8#

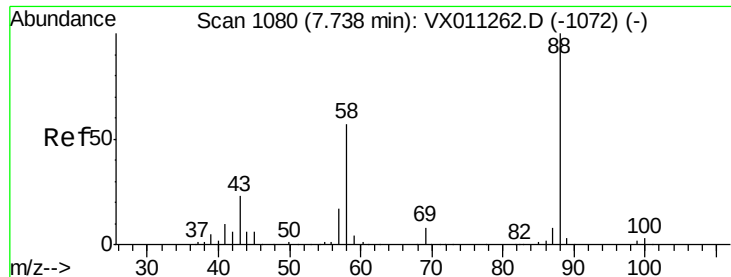


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

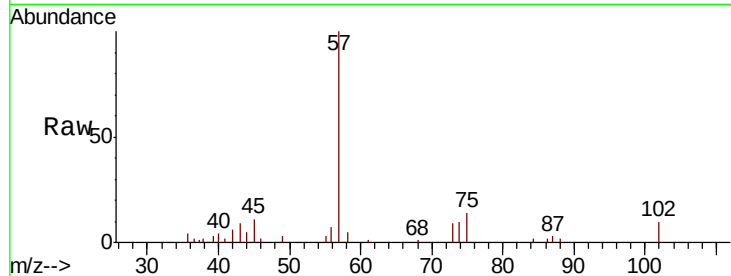




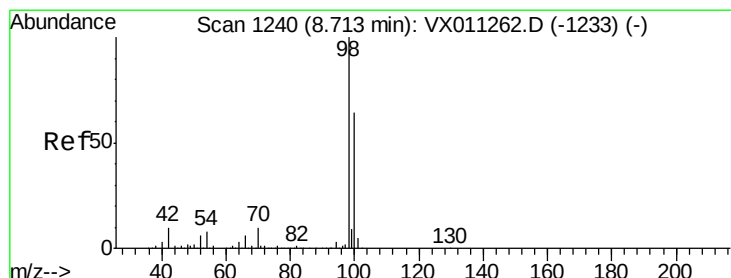
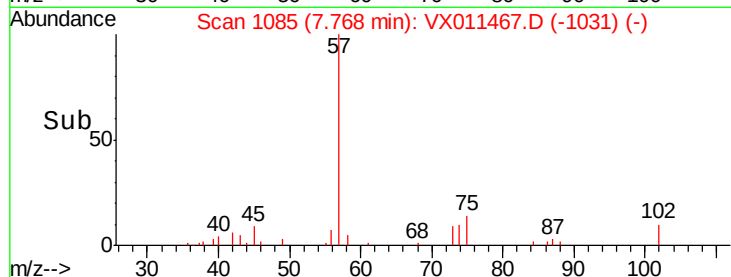
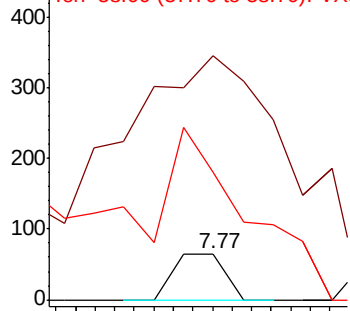
#49
 1,4-Dioxane
 Concen: 0.831 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.03 min
 Lab File: VX011467.D
 Acq: 12 Aug 2019 06:14

Instrument :
 MSVOA_X
 ClientSampleId :
 2S-D1-(0)

Tgt Ion: 88 Resp: 47
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.2 33.2#
 58 563.8 47.8 71.8#

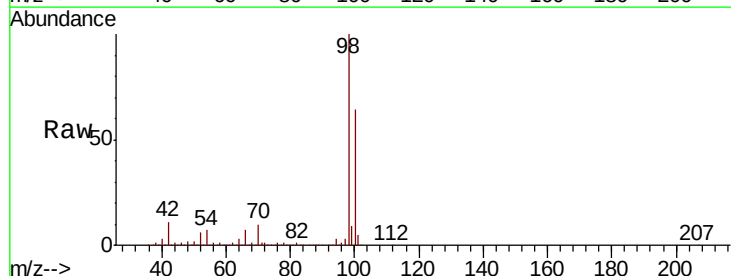


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

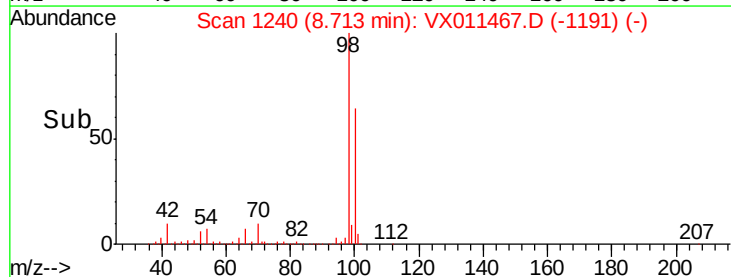
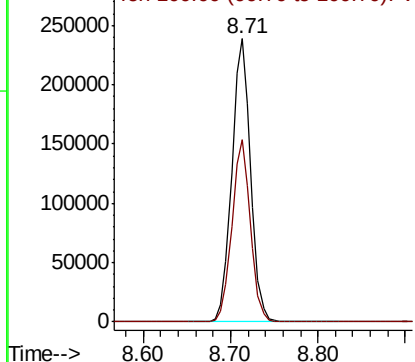


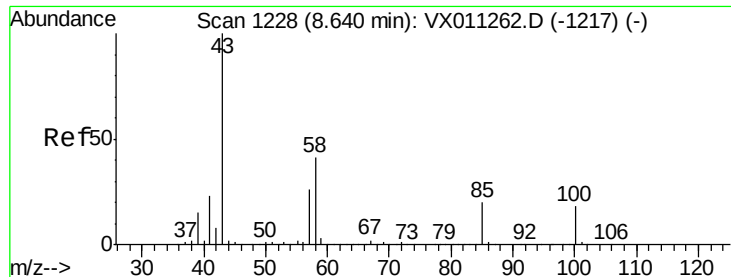
#50
 Toluene-d8
 Concen: 49.084 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX011467.D
 Acq: 12 Aug 2019 06:14

Tgt Ion: 98 Resp: 357978
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 9.426 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011467.D

Acq: 12 Aug 2019 06:14

Instrument :

MSVOA_X

ClientSampleId :

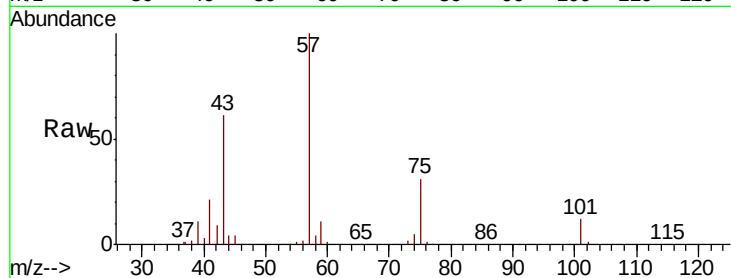
2S-D1-(0)

Tgt Ion: 43 Resp: 25207

Ion Ratio Lower Upper

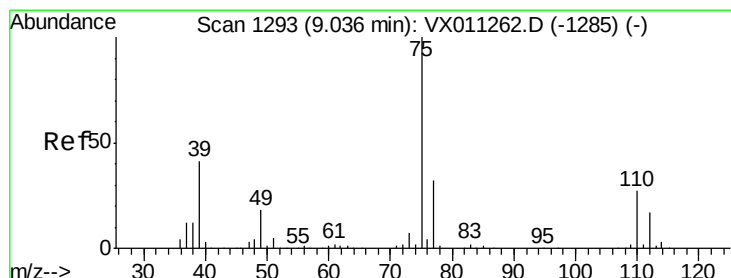
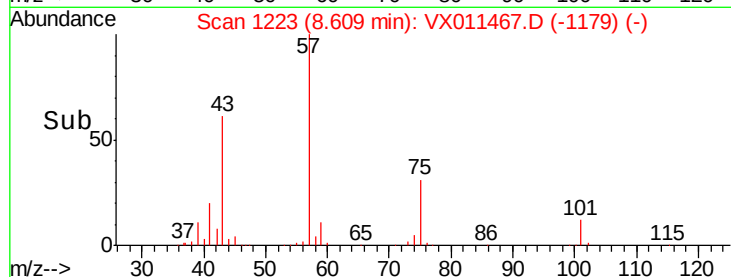
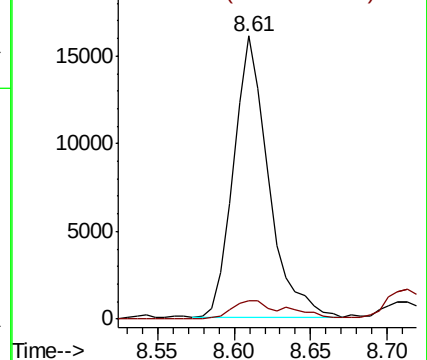
43 100

58 7.0 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.861 ug/l

RT: 9.02 min Scan# 1290

Delta R.T. -0.02 min

Lab File: VX011467.D

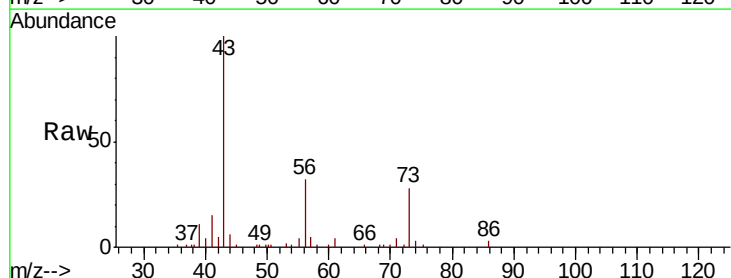
Acq: 12 Aug 2019 06:14

Tgt Ion: 75 Resp: 70

Ion Ratio Lower Upper

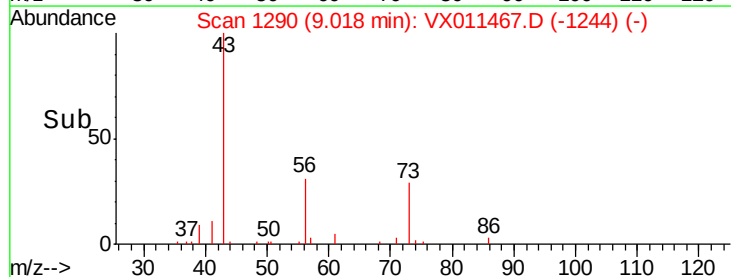
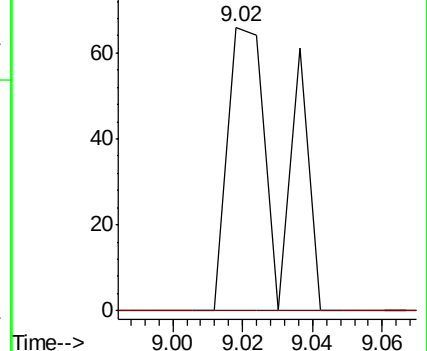
75 100

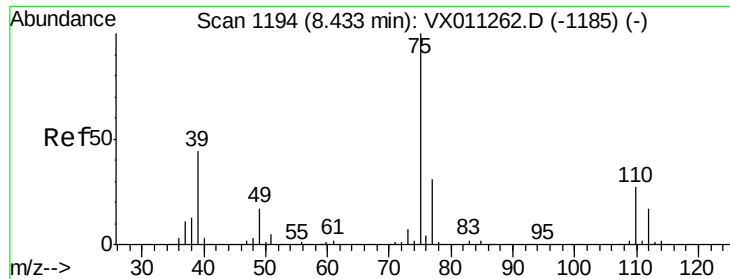
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

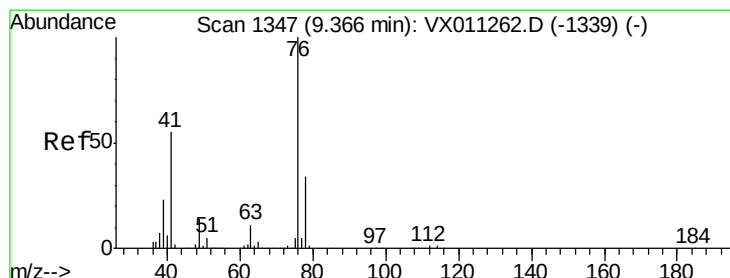
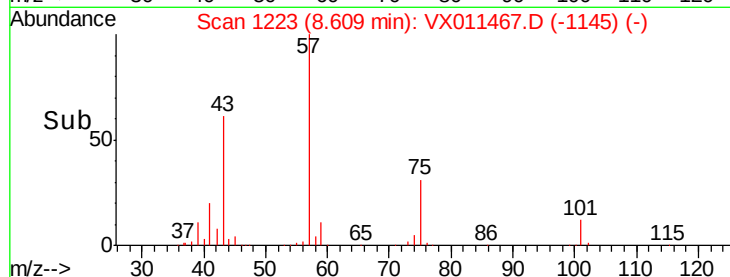
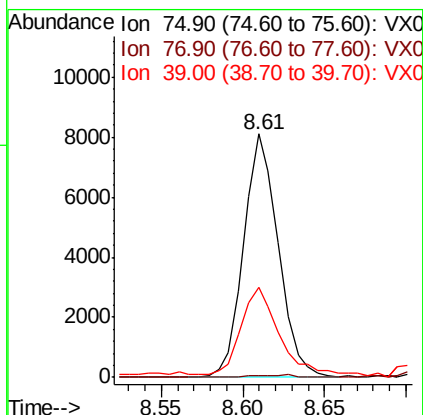
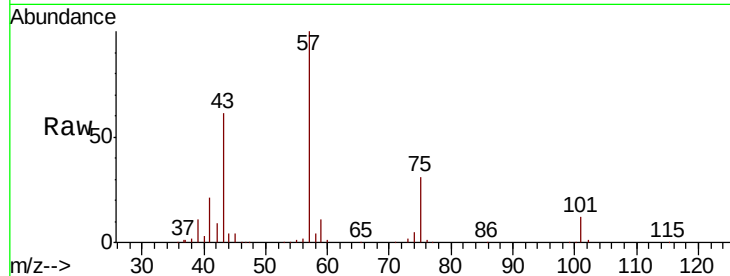




#54
 cis-1,3-Dichloropropene
 Concen: 4.174 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011467.D
 Acq: 12 Aug 2019 06:14

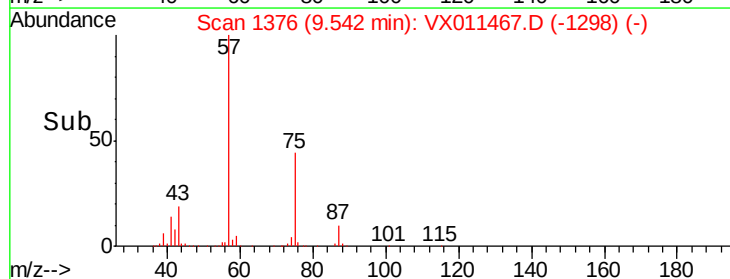
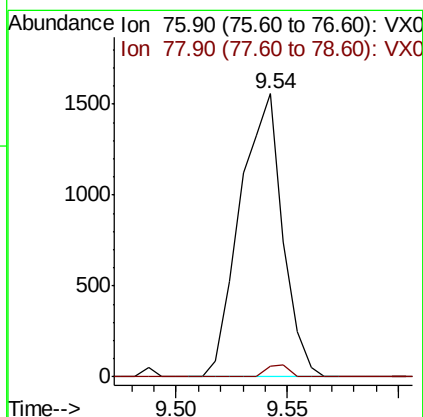
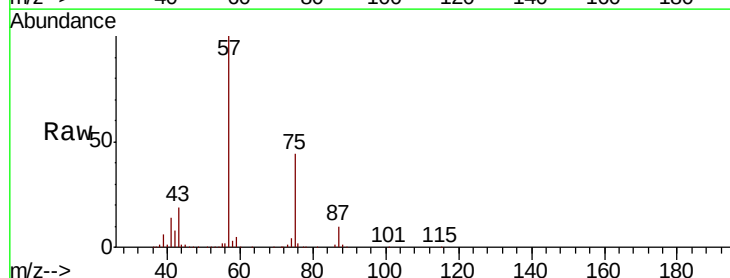
Instrument :
 MSVOA_X
 ClientSampled :
 2S-D1-(0)

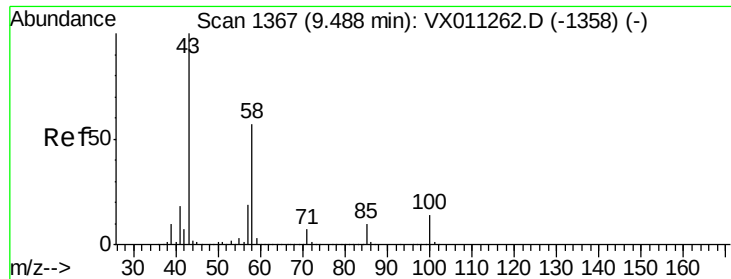
Tgt Ion: 75 Resp: 12035
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.6#
 39 35.6 35.3 52.9



#57
 1,3-Dichloropropane
 Concen: 0.625 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.18 min
 Lab File: VX011467.D
 Acq: 12 Aug 2019 06:14

Tgt Ion: 76 Resp: 2072
 Ion Ratio Lower Upper
 76 100
 78 2.2 26.6 40.0#

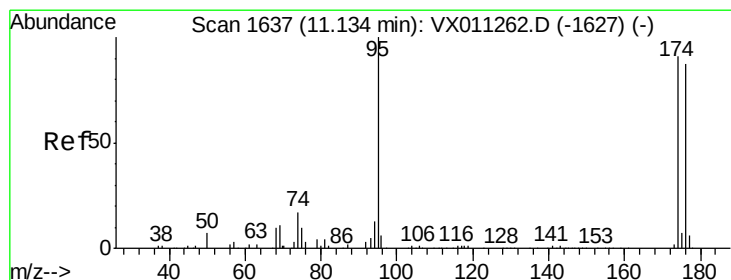
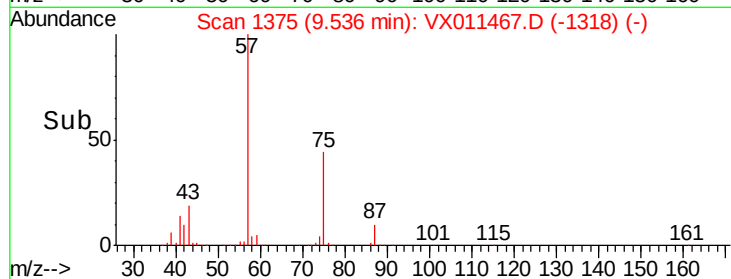
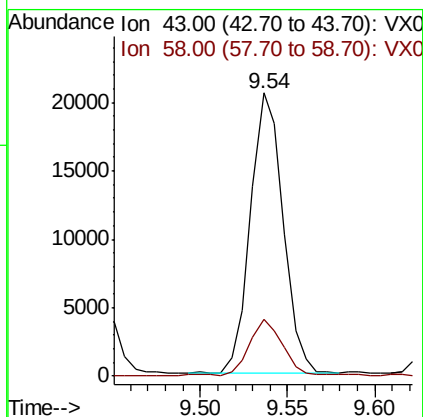
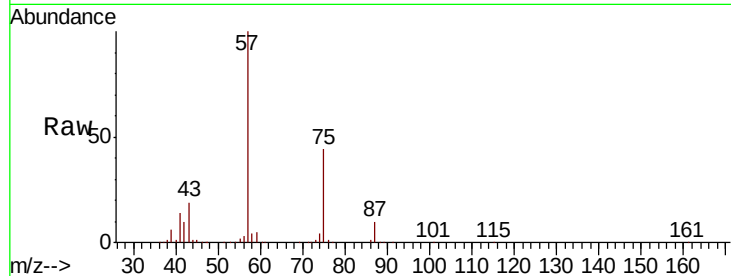




#59
2-Hexanone
Concen: 12.904 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011467.D
Acq: 12 Aug 2019 06:14

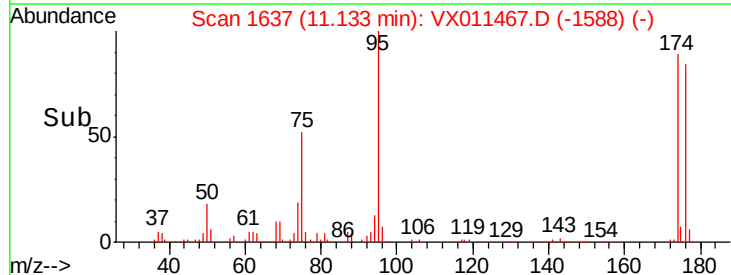
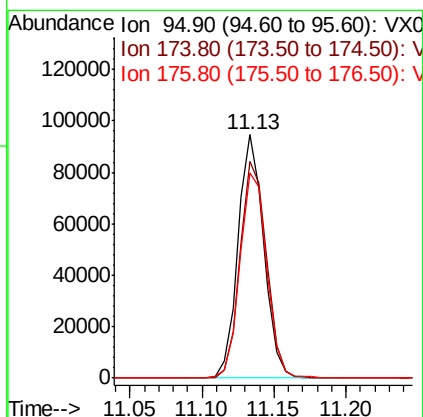
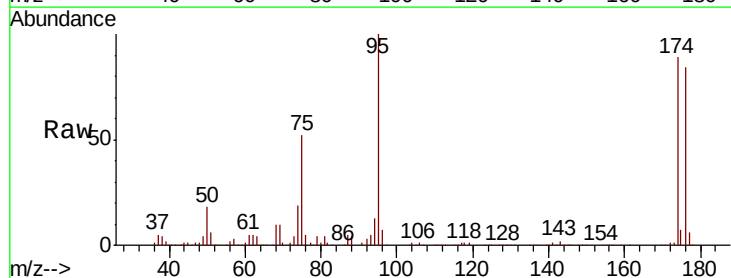
Instrument :
MSVOA_X
ClientSampleId :
2S-D1-(0)

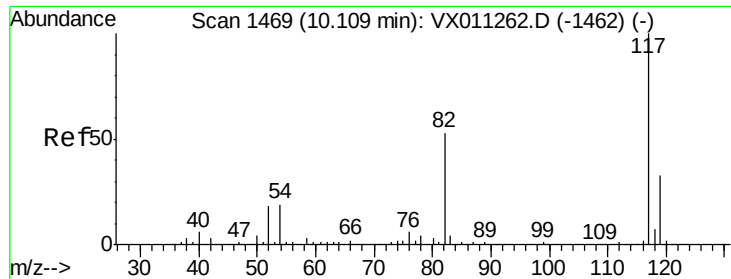
Tgt Ion: 43 Resp: 26728
Ion Ratio Lower Upper
43 100
58 21.0 28.2 84.6#



#62
4-Bromofluorobenzene
Concen: 45.221 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011467.D
Acq: 12 Aug 2019 06:14

Tgt Ion: 95 Resp: 117749
Ion Ratio Lower Upper
95 100
174 91.5 0.0 191.2
176 87.5 0.0 184.8

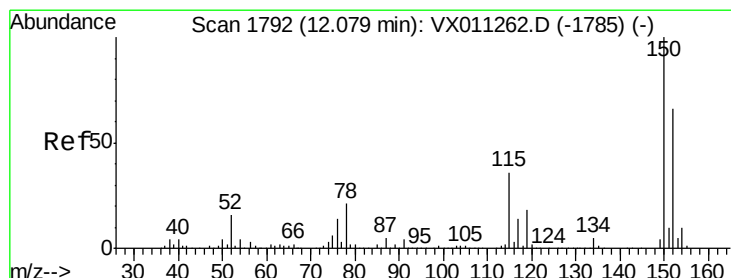
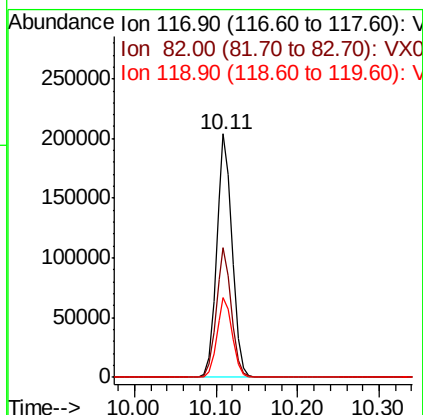
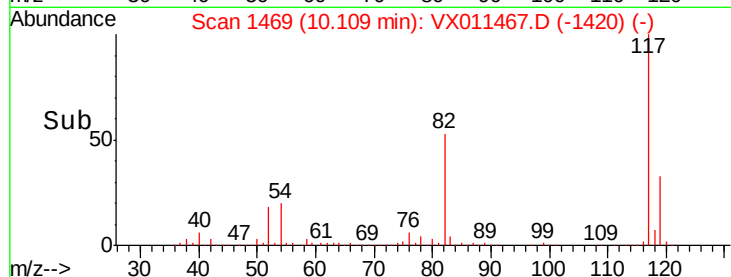
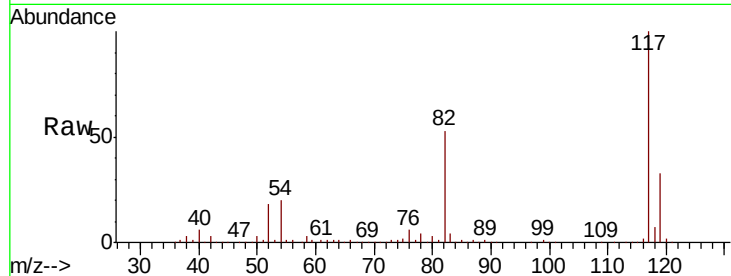




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011467.D
Acq: 12 Aug 2019 06:14

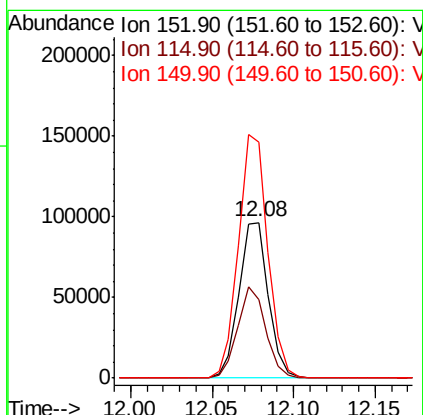
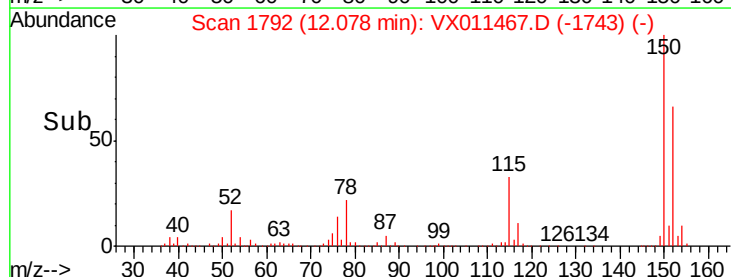
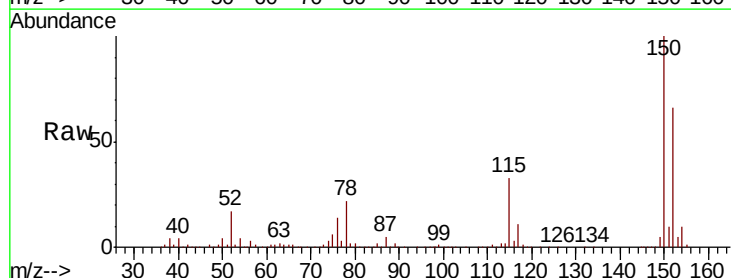
Instrument :
MSVOA_X
ClientSampled :
2S-D1-(0)

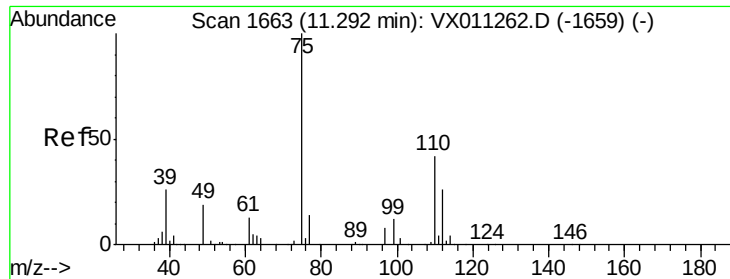
Tgt Ion:117 Resp: 272961
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.2
119 32.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011467.D
Acq: 12 Aug 2019 06:14

Tgt Ion:152 Resp: 121882
Ion Ratio Lower Upper
152 100
115 55.4 40.0 119.9
150 155.9 0.0 350.4





#76

1,2,3-Trichloropropane

Concen: 27.178 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011467.D

Acq: 12 Aug 2019 06:14

Instrument :

MSVOA_X

ClientSampled :

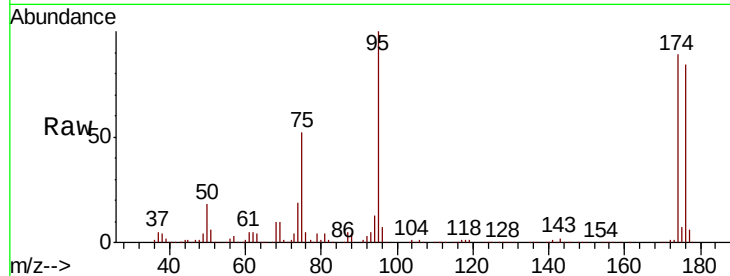
2S-D1-(0)

Tgt Ion: 75 Resp: 60325

Ion Ratio Lower Upper

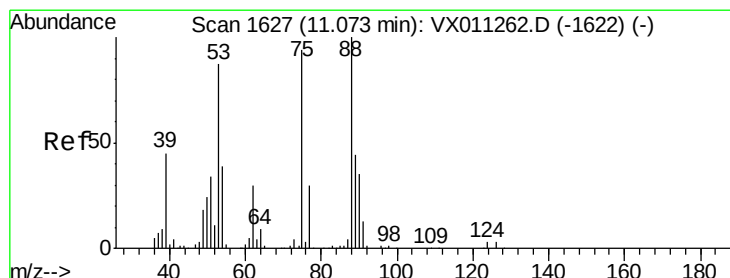
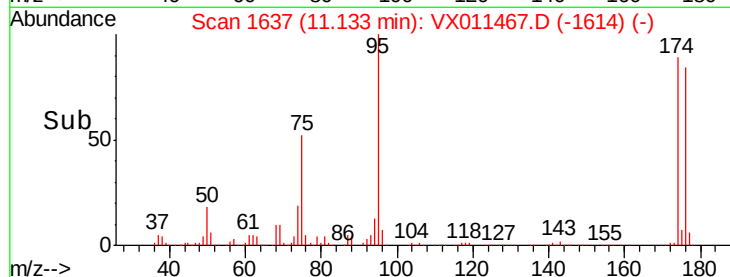
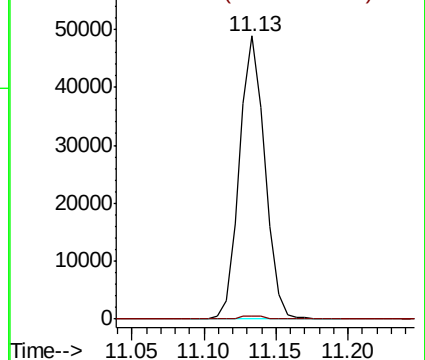
75 100

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: 70.529 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011467.D

Acq: 12 Aug 2019 06:14

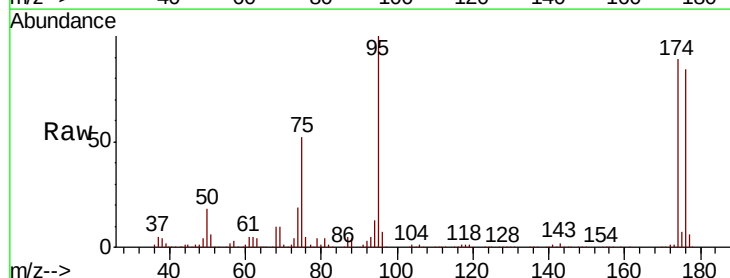
Tgt Ion: 75 Resp: 60325

Ion Ratio Lower Upper

75 100

53 0.4 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

