

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011512.D
 Acq On : 13 Aug 2019 03:10
 Operator : JC/SP
 Sample : K4230-27
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2S-D2-(1)

Quant Time: Aug 13 07:48:22 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	5.65	168	178353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	266013	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107434	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	98693	54.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.90%	
35) Dibromofluoromethane	5.49	113	83049	47.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.64%	
50) Toluene-d8	8.71	98	322869	49.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.13	95	105447	45.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.10%	

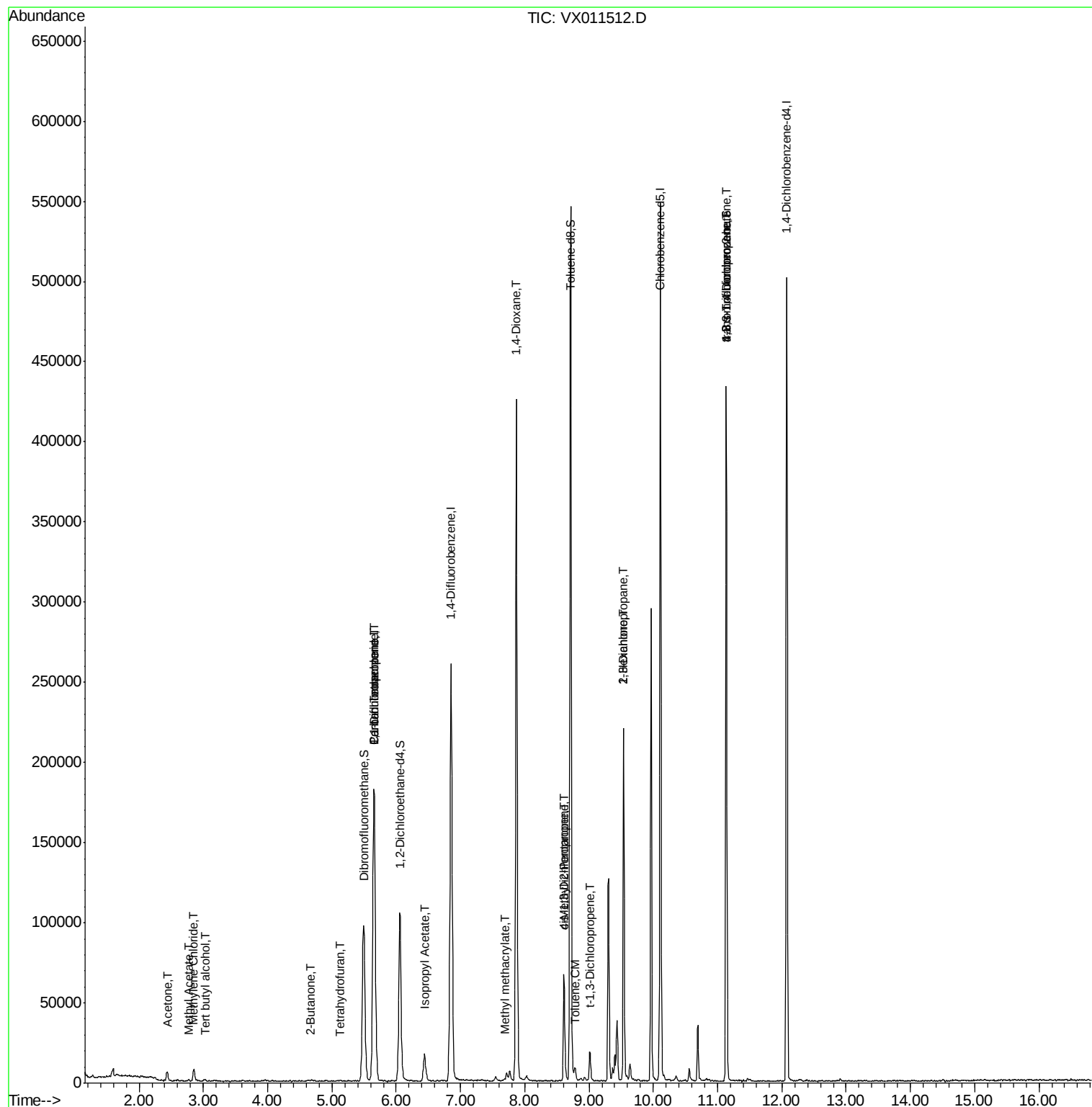
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.65	64	608	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	364	1.039	ug/l #	72
16) Acetone	2.44	43	6611	7.733	ug/l	94
18) Methyl Acetate	2.77	43	1328	0.680	ug/l	96
20) Methylene Chloride	2.85	84	3619	1.933	ug/l	88
25) 2-Butanone	4.67	43	288	0.237	ug/l #	46
29) Tetrahydrofuran	5.13	42	280	0.376	ug/l #	29
36) 1,1-Dichloropropene	5.66	75	12174	5.242	ug/l #	49
38) Carbon Tetrachloride	5.65	117	17068	7.304	ug/l #	14
43) Isopropyl Acetate	6.44	43	21897	5.879	ug/l	98
48) Methyl methacrylate	7.68	41	1998	1.140	ug/l #	10
49) 1,4-Dioxane	7.88	88	121	2.381	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	22249	9.256	ug/l #	47
52) Toluene	8.79	92	2664	0.581	ug/l	84
53) t-1,3-Dichloropropene	9.01	75	60	2.860	ug/l #	43
54) cis-1,3-Dichloropropene	8.61	75	10636	4.104	ug/l #	67
57) 1,3-Dichloropropane	9.54	76	2099	0.704	ug/l #	41
59) 2-Hexanone	9.54	43	24820	13.331	ug/l #	53
76) 1,2,3-Trichloropropane	11.13	75	54431	27.821	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	54431	72.089	ug/l #	10

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

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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: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011512.D

Acq: 13 Aug 2019 03:10

Instrument :

MSVOA_X

ClientSampleId :

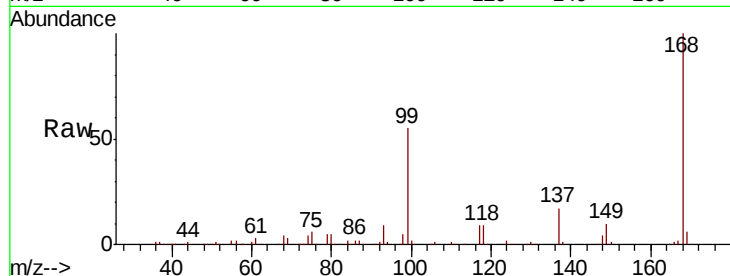
2S-D2-(1)

Tgt Ion:168 Resp: 178353

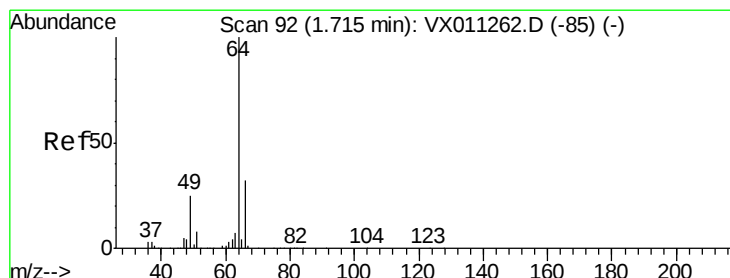
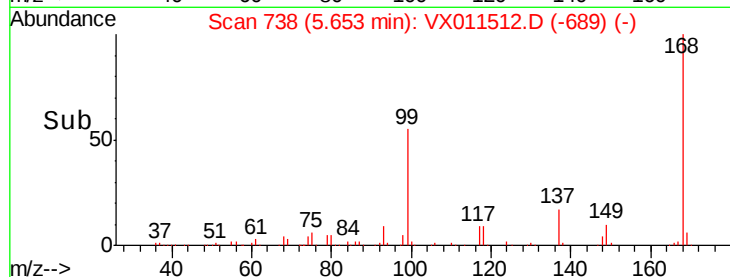
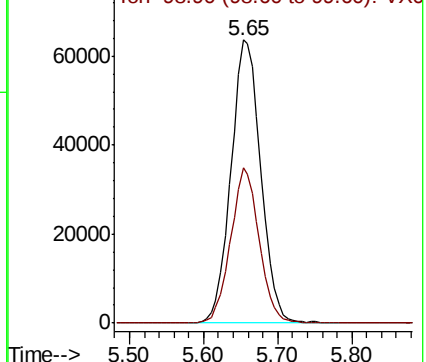
Ion Ratio Lower Upper

168 100

99 55.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): VX011512.D (-689) (-)



#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. -0.06 min

Lab File: VX011512.D

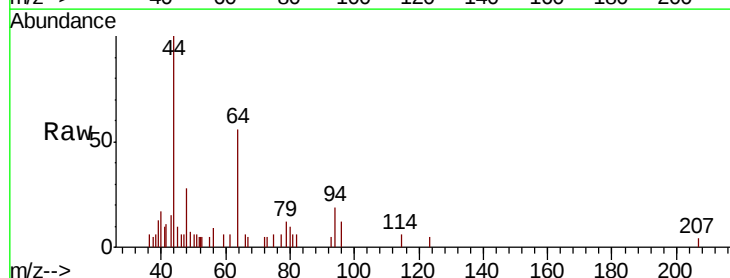
Acq: 13 Aug 2019 03:10

Tgt Ion: 64 Resp: 608

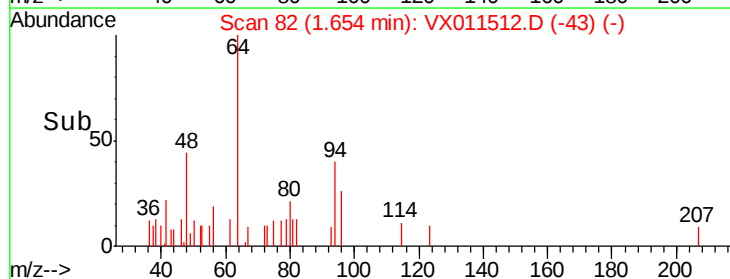
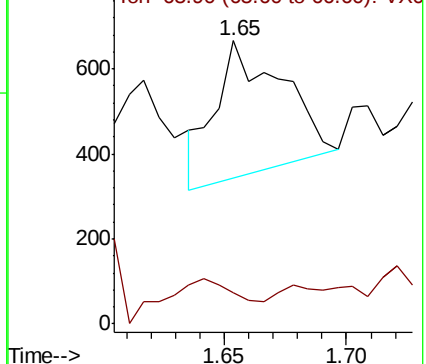
Ion Ratio Lower Upper

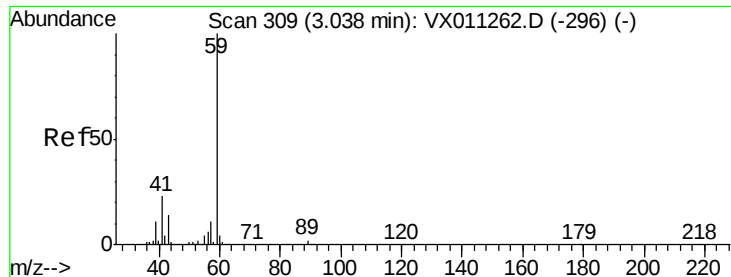
64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX011512.D (-43) (-)

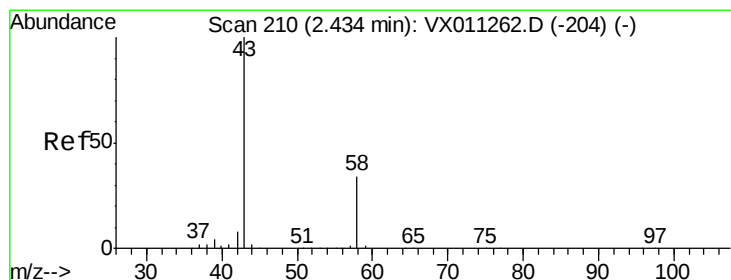
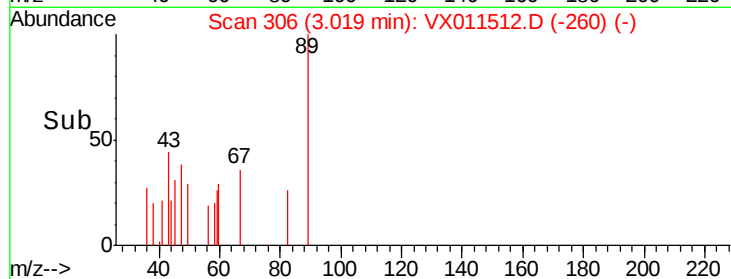
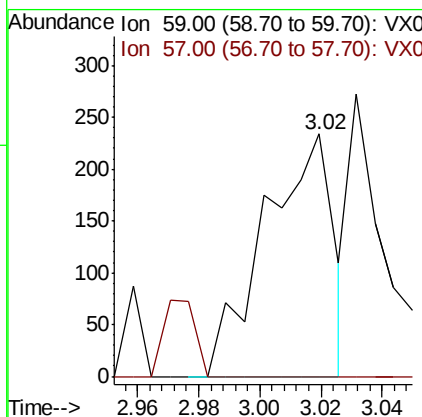
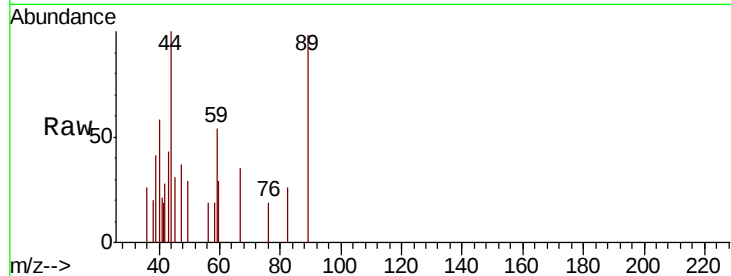




#11
Tert butyl alcohol
Concen: 1.039 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

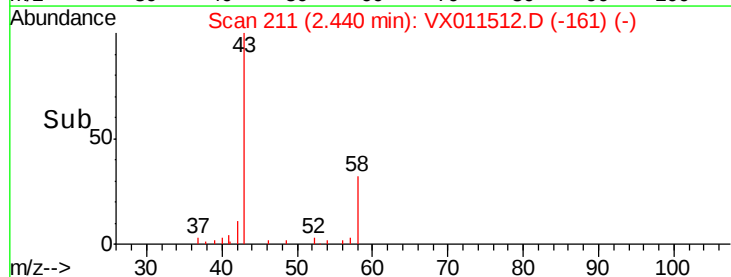
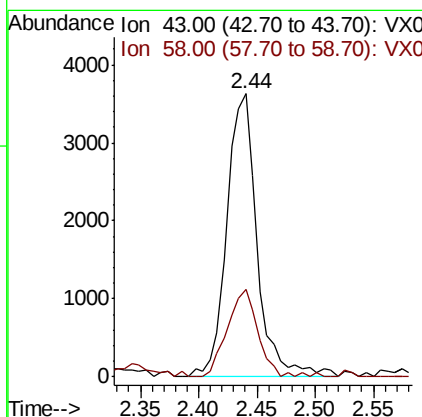
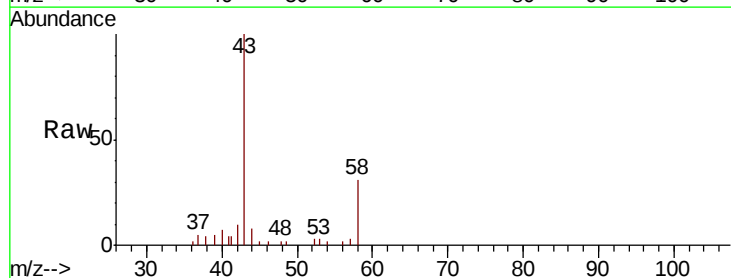
Instrument :
MSVOA_X
ClientSampled :
2S-D2-(1)

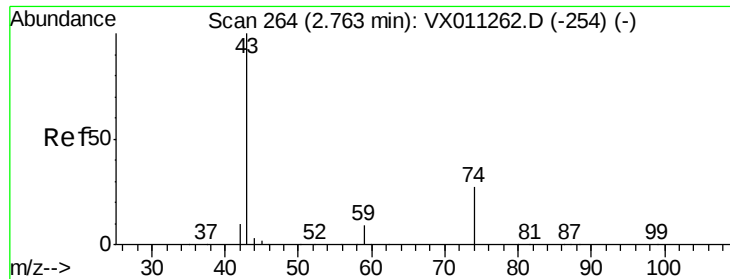
Tgt Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 7.733 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.01 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

Tgt Ion: 43 Resp: 6611
Ion Ratio Lower Upper
43 100
58 30.9 27.4 41.0

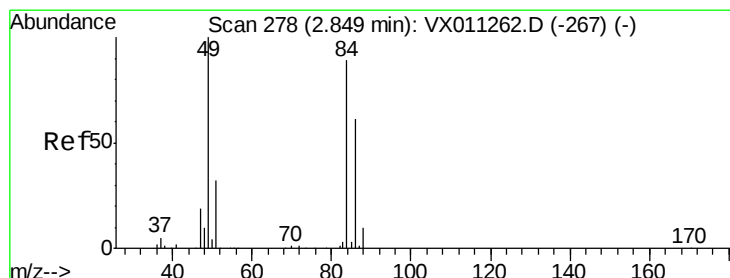
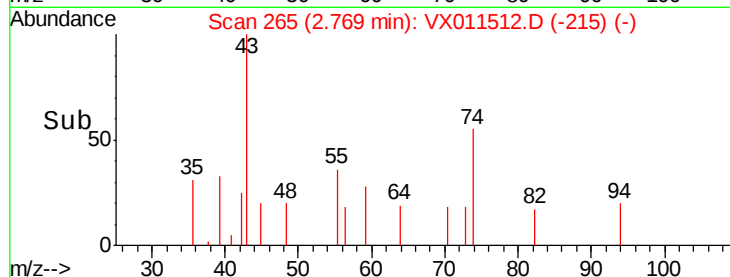
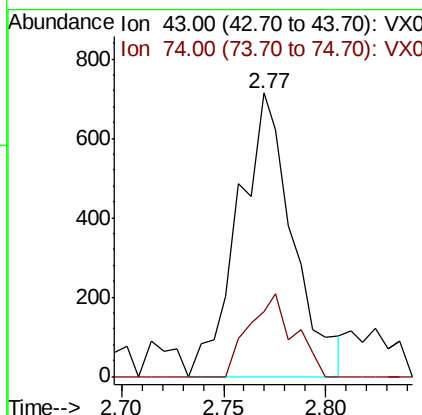
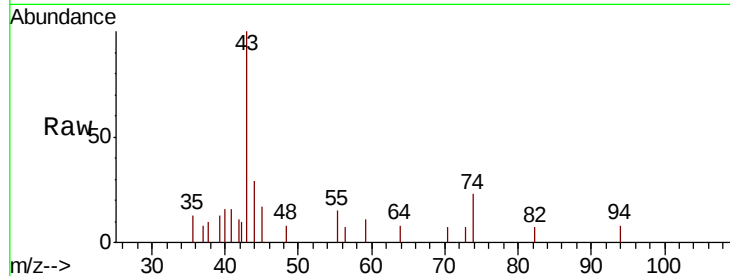




#18
Methyl Acetate
Concen: 0.680 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

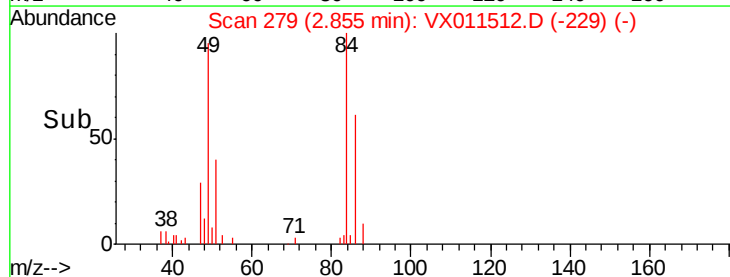
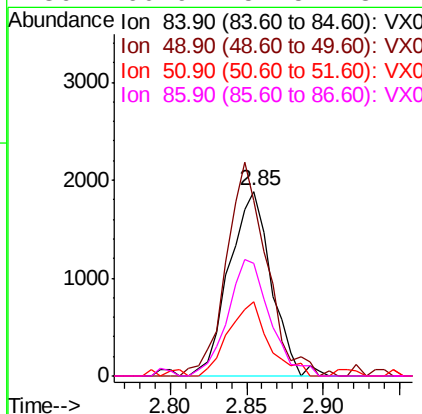
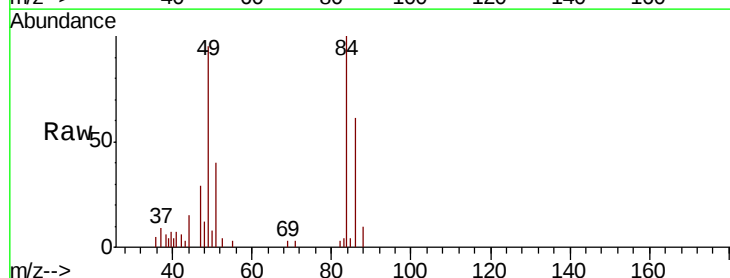
Instrument :
MSVOA_X
ClientSampled :
2S-D2-(1)

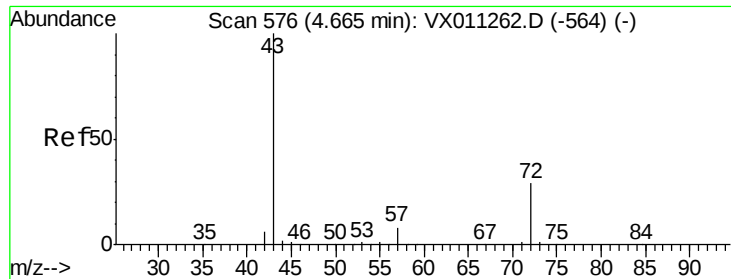
Tgt Ion: 43 Resp: 1328
Ion Ratio Lower Upper
43 100
74 24.0 21.0 31.6



#20
Methylene Chloride
Concen: 1.933 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

Tgt Ion: 84 Resp: 3619
Ion Ratio Lower Upper
84 100
49 95.1 89.3 133.9
51 40.2 28.3 42.5
86 60.9 54.5 81.7

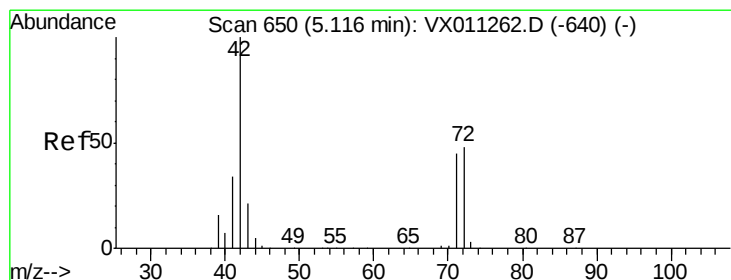
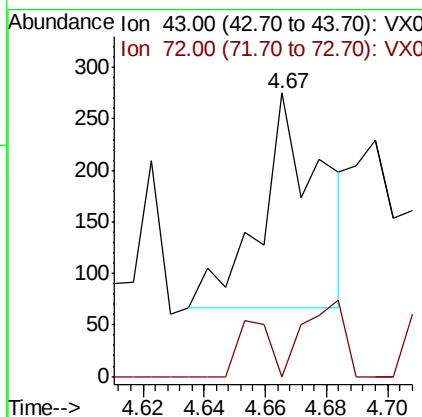
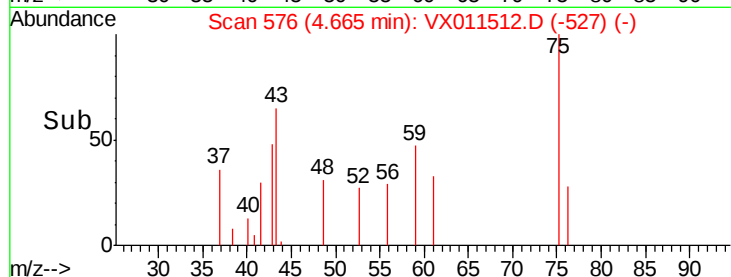
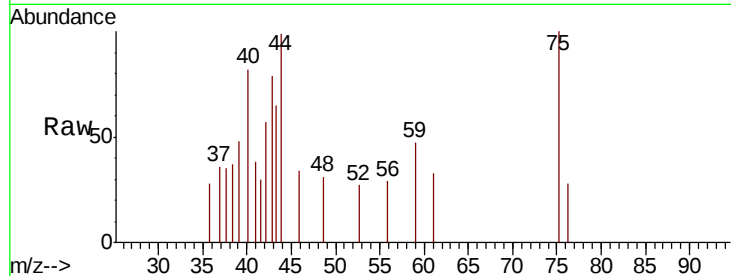




#25
2-Butanone
Concen: 0.237 ug/l
RT: 4.67 min Scan# 576
Delta R.T. 0.00 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

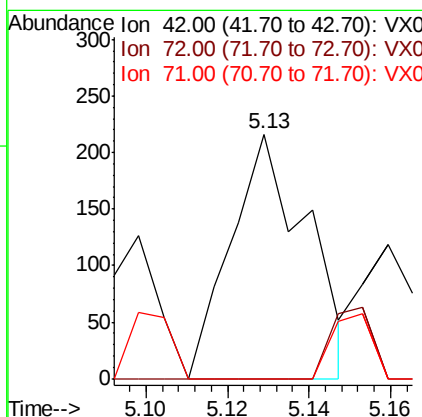
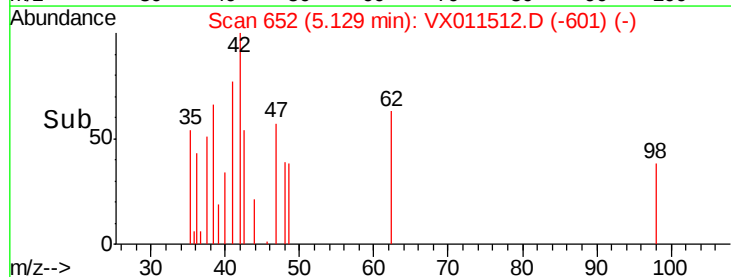
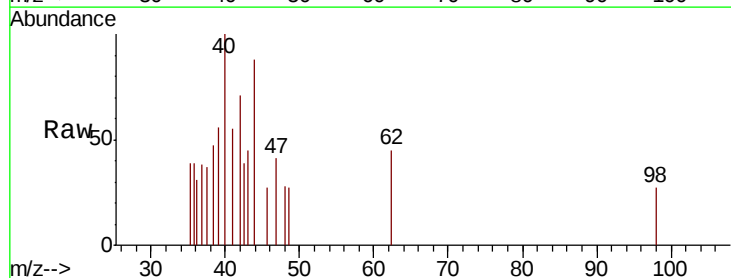
Instrument :
MSVOA_X
ClientSampled :
2S-D2-(1)

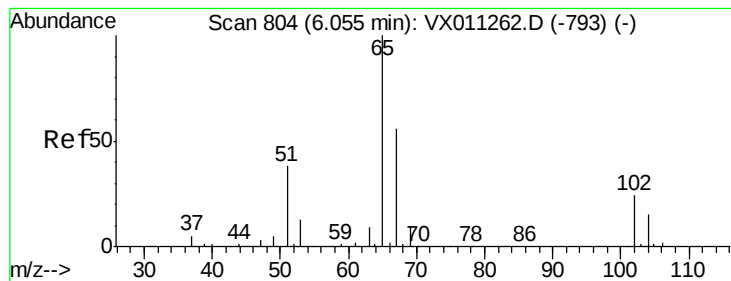
Tgt Ion: 43 Resp: 288
Ion Ratio Lower Upper
43 100
72 0.0 23.2 34.8#



#29
Tetrahydrofuran
Concen: 0.376 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.01 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

Tgt Ion: 42 Resp: 280
Ion Ratio Lower Upper
42 100
72 0.0 39.9 59.9#
71 0.0 36.9 55.3#





#33

1,2-Dichloroethane-d4

Concen: 54.948 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011512.D

Acq: 13 Aug 2019 03:10

Instrument :

MSVOA_X

ClientSampleId :

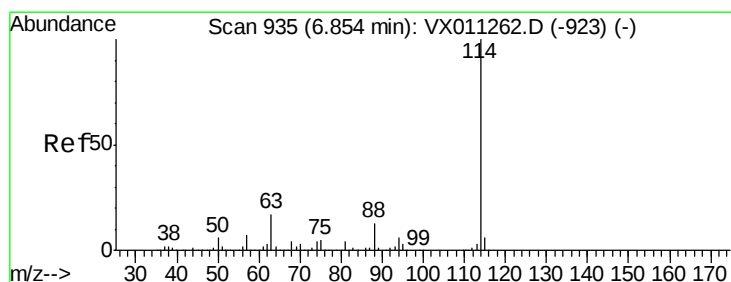
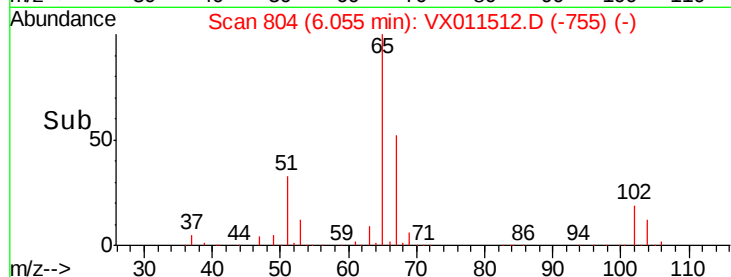
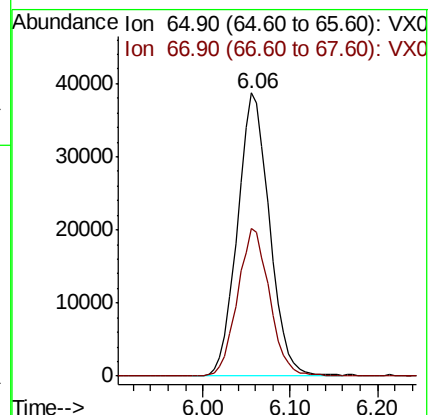
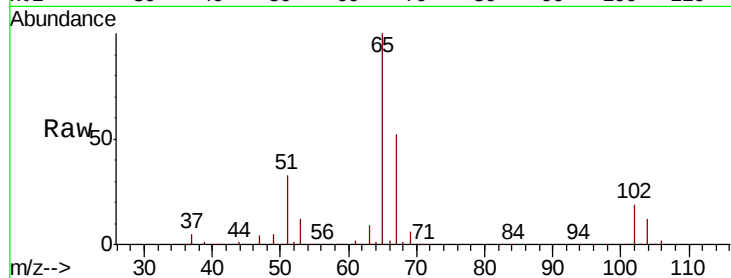
2S-D2-(1)

Tgt Ion: 65 Resp: 98693

Ion Ratio Lower Upper

65 100

67 51.9 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011512.D

Acq: 13 Aug 2019 03:10

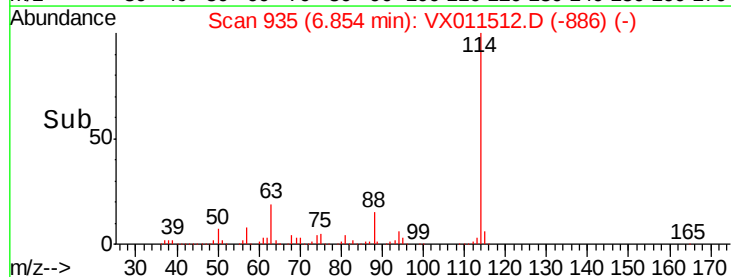
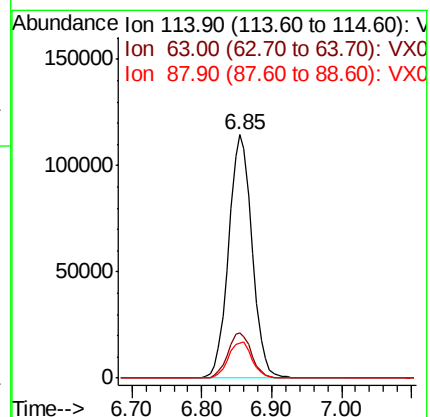
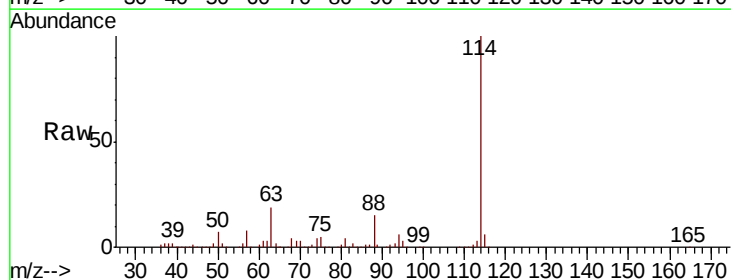
Tgt Ion: 114 Resp: 266013

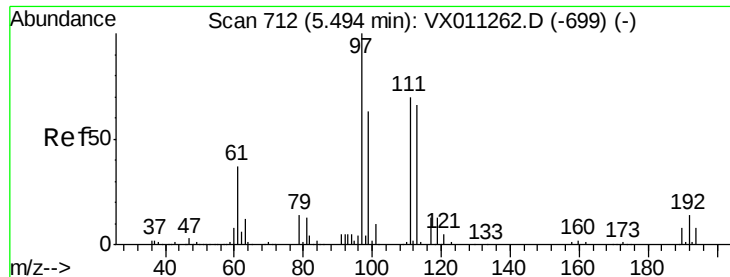
Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.0

88 14.6 0.0 26.4

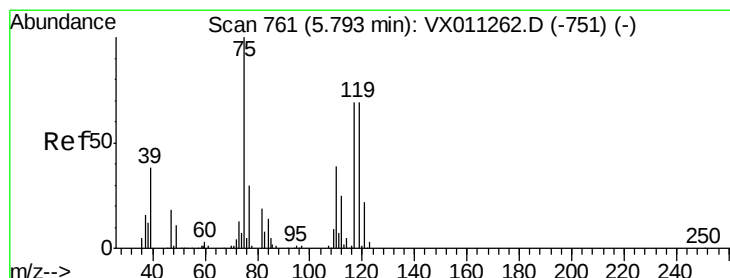
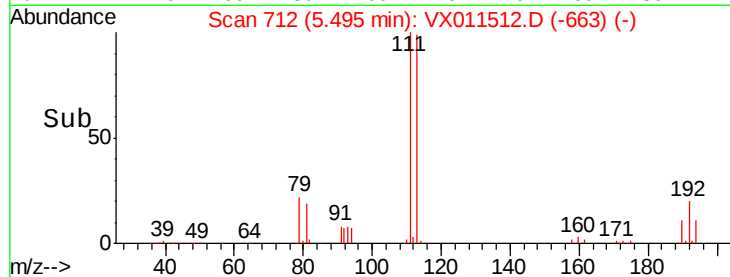
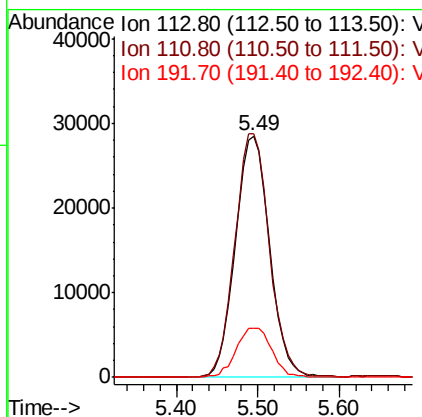
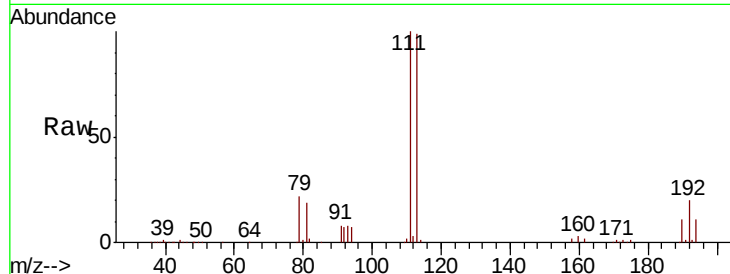




#35
 Dibromofluoromethane
 Concen: 47.819 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011512.D
 Acq: 13 Aug 2019 03:10

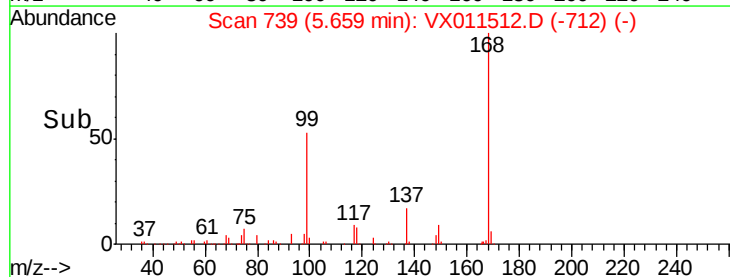
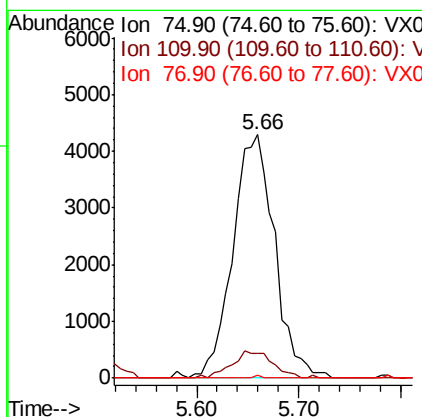
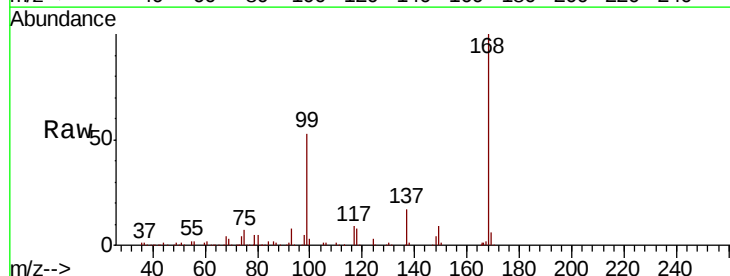
Instrument :
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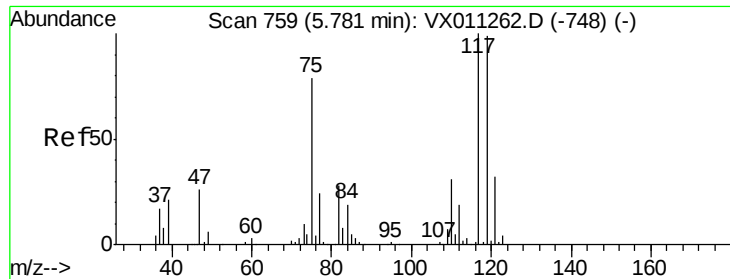
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.9	122.9
192	21.3	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 5.242 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011512.D
 Acq: 13 Aug 2019 03:10

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

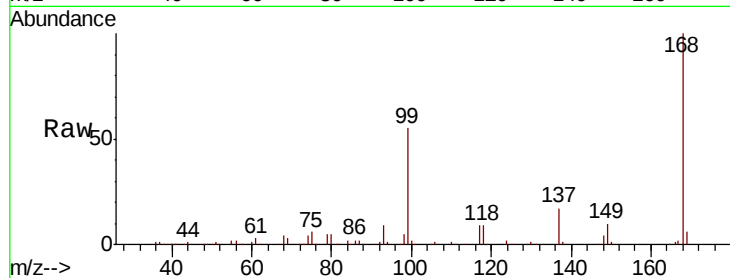




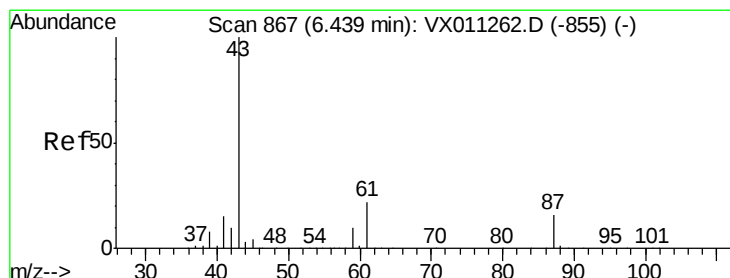
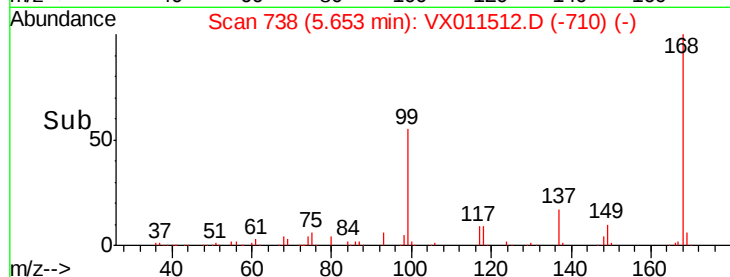
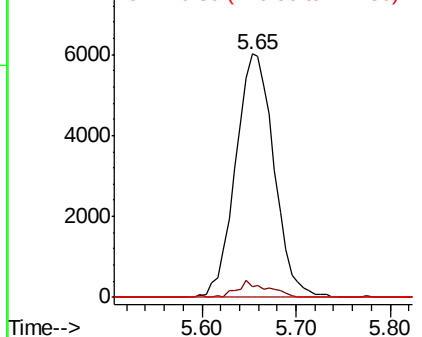
#38
Carbon Tetrachloride
Concen: 7.304 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

Instrument :
MSVOA_X
ClientSampleId :
2S-D2-(1)

Tgt Ion: 117 Resp: 17068
Ion Ratio Lower Upper
117 100
119 4.6 79.0 118.4#
121 0.0 25.9 38.9#

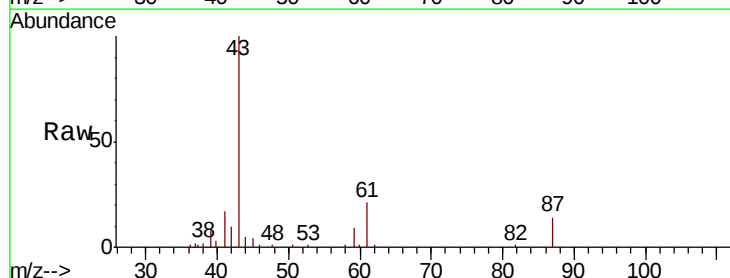


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

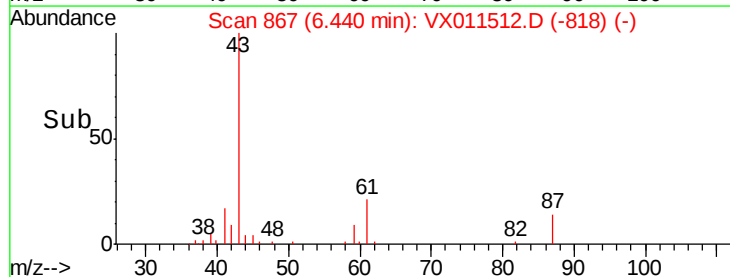
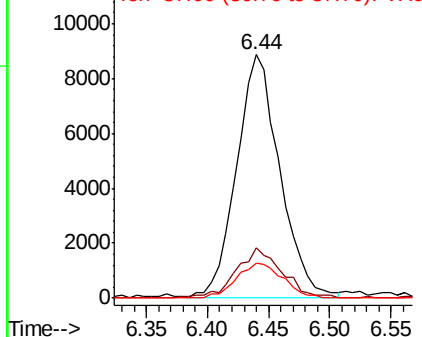


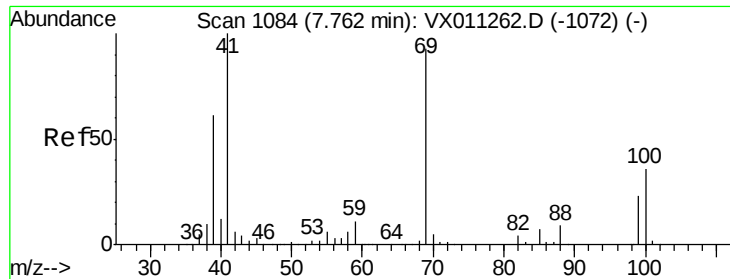
#43
Isopropyl Acetate
Concen: 5.879 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

Tgt Ion: 43 Resp: 21897
Ion Ratio Lower Upper
43 100
61 21.7 16.5 24.7
87 15.3 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

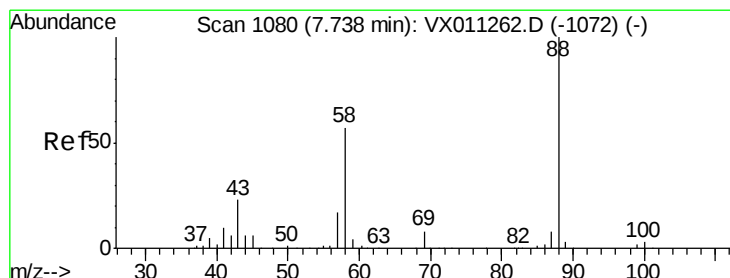
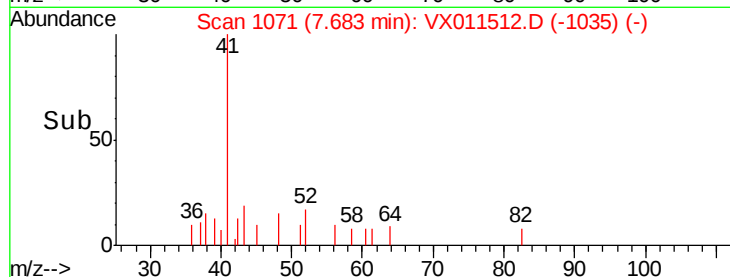
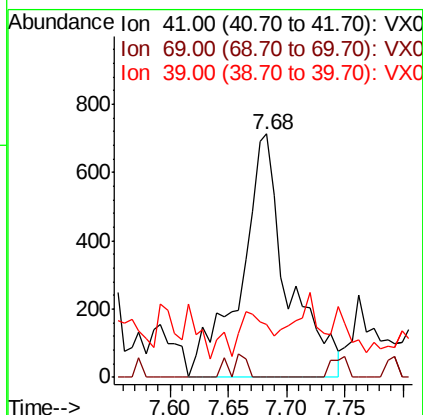
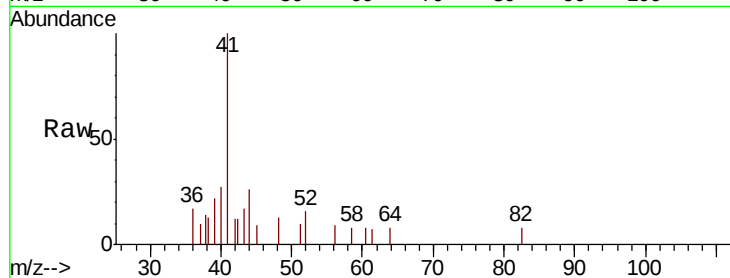




#48
Methyl methacrylate
Concen: 1.140 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.08 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

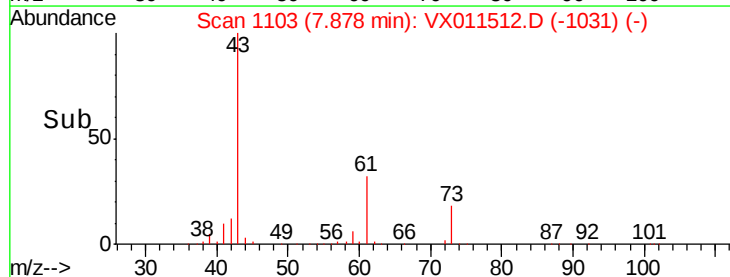
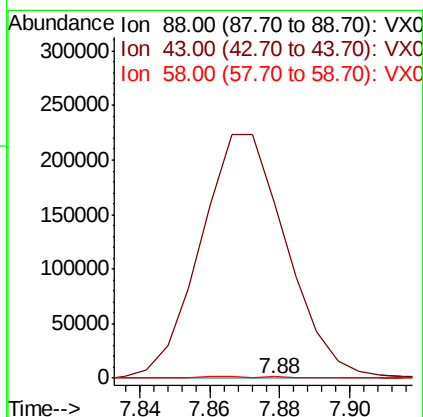
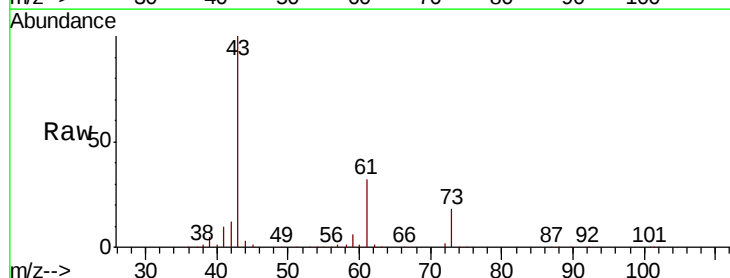
Instrument :
MSVOA_X
ClientSampleId :
2S-D2-(1)

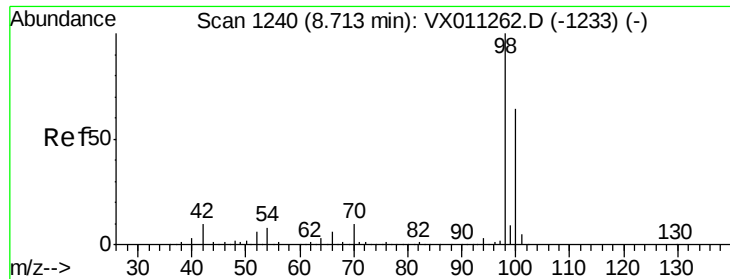
Tgt Ion: 41 Resp: 1998
Ion Ratio Lower Upper
41 100
69 0.0 74.5 111.7#
39 0.0 48.6 72.8#



#49
1,4-Dioxane
Concen: 2.381 ug/l
RT: 7.88 min Scan# 1103
Delta R.T. 0.14 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 318817.4 22.2 33.2#
58 1962.8 47.8 71.8#





#50

Toluene-d8

Concen: 49.250 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011512.D

Acq: 13 Aug 2019 03:10

Instrument :

MSVOA_X

ClientSampleId :

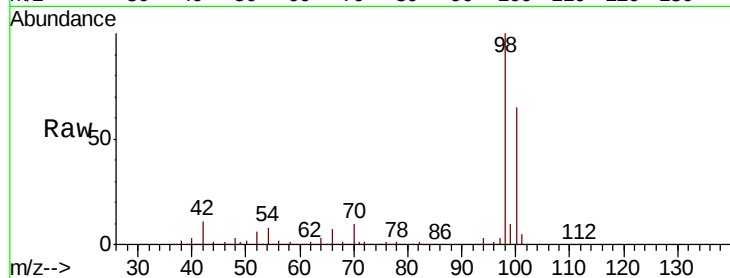
2S-D2-(1)

Tgt Ion: 98 Resp: 322869

Ion Ratio Lower Upper

98 100

100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

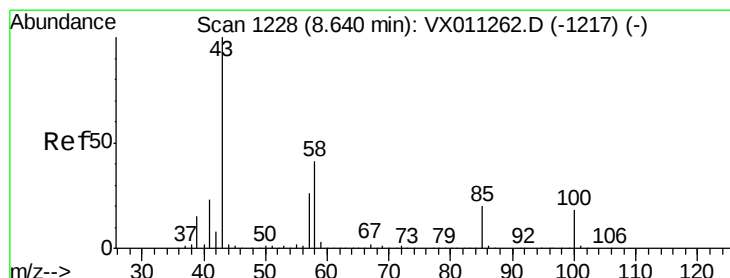
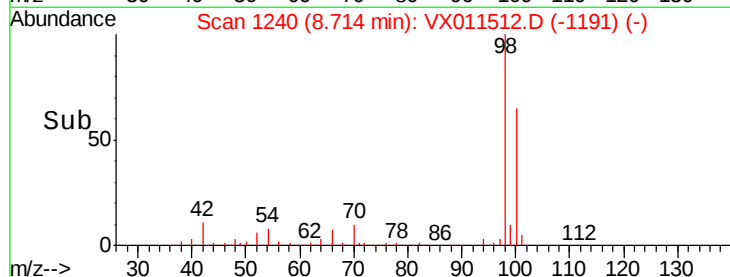
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#51

4-Methyl-2-Pentanone

Concen: 9.256 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011512.D

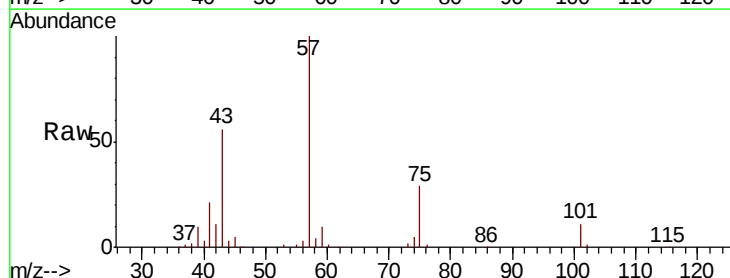
Acq: 13 Aug 2019 03:10

Tgt Ion: 43 Resp: 22249

Ion Ratio Lower Upper

43 100

58 7.4 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.61

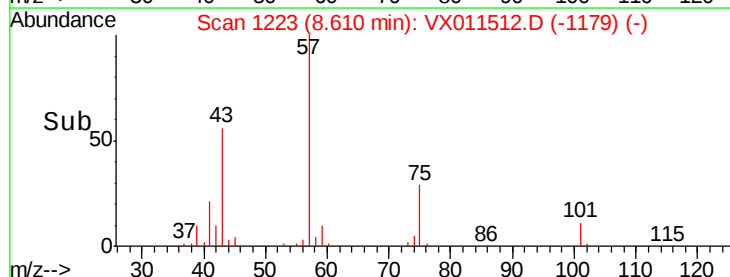
15000

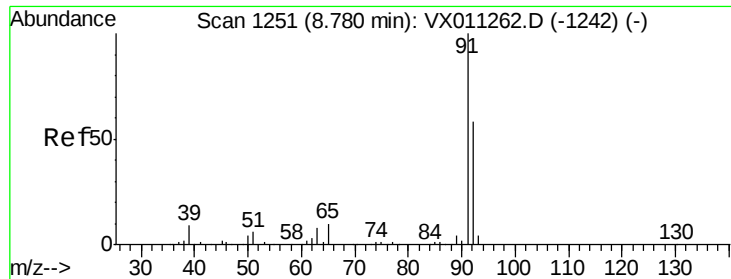
10000

5000

0

Time--> 8.55 8.60 8.65 8.70





#52

Toluene

Concen: 0.581 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX011512.D

Acq: 13 Aug 2019 03:10

Instrument :

MSVOA_X

ClientSampled :

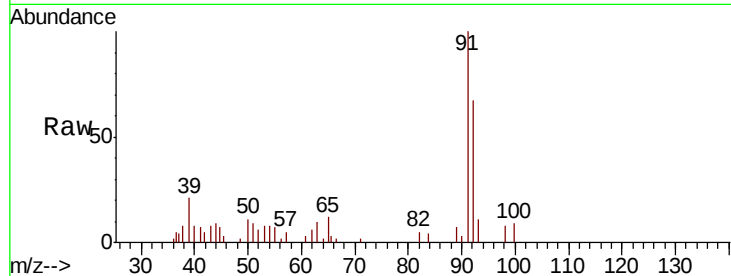
2S-D2-(1)

Tgt Ion: 92 Resp: 2664

Ion Ratio Lower Upper

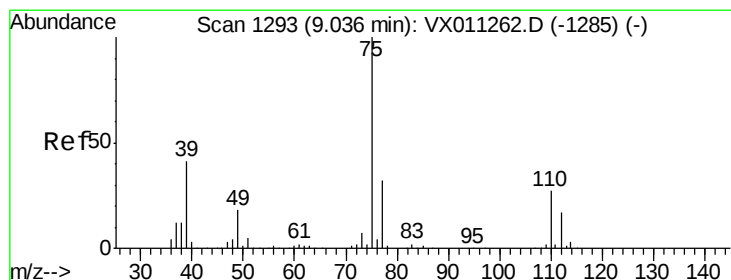
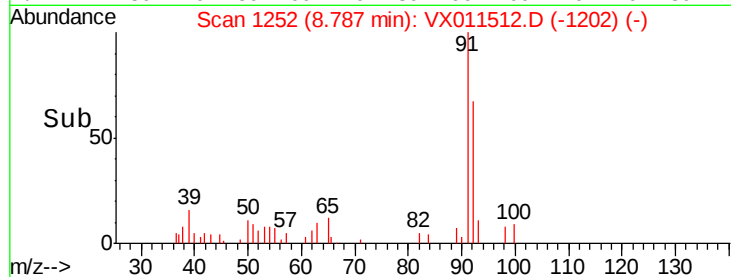
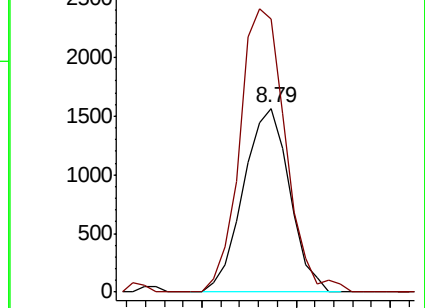
92 100

91 152.3 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.860 ug/l

RT: 9.01 min Scan# 1289

Delta R.T. -0.02 min

Lab File: VX011512.D

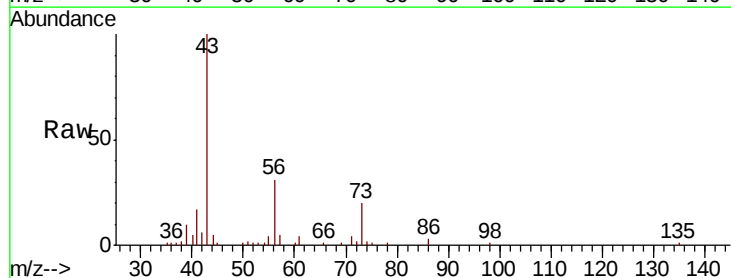
Acq: 13 Aug 2019 03:10

Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

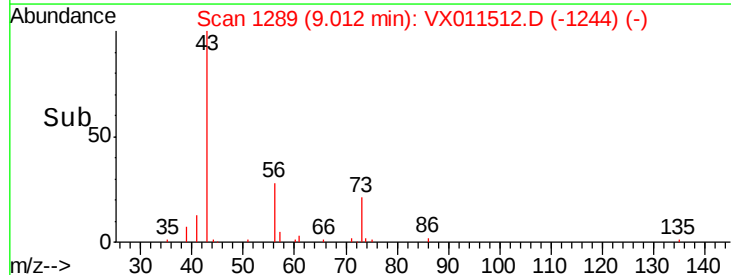
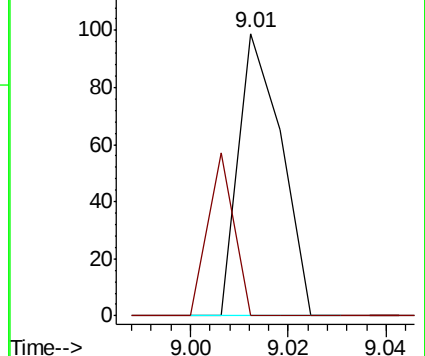
75 100

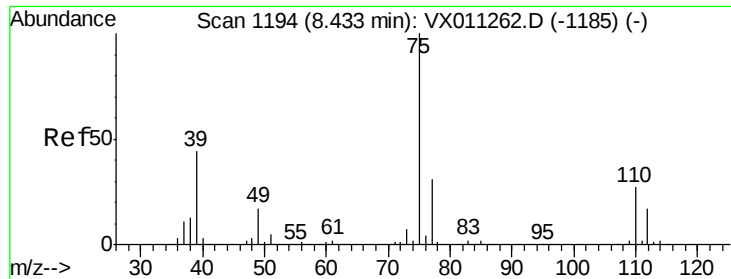
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



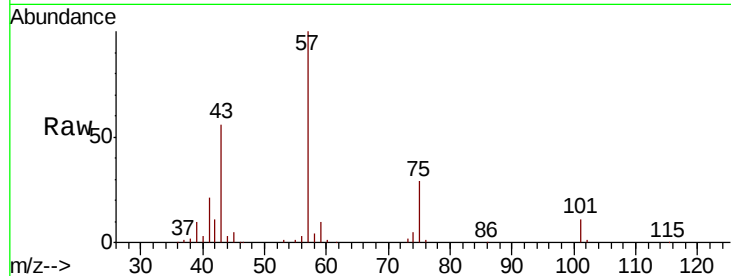


#54

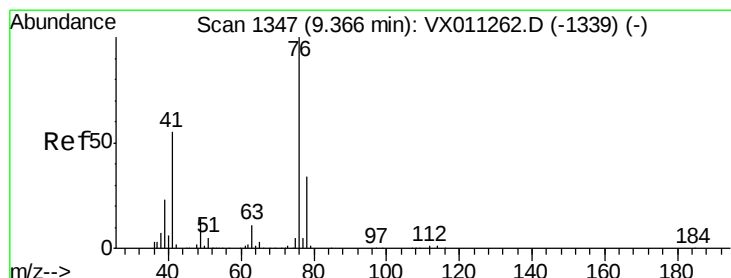
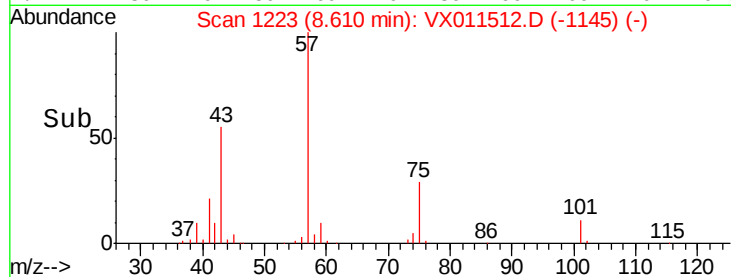
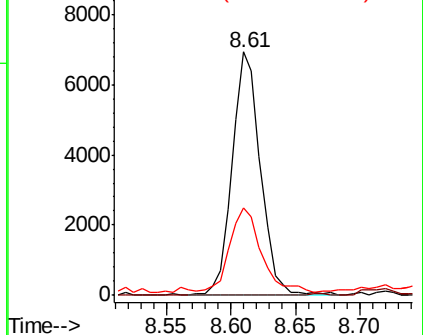
cis-1,3-Dichloropropene
 Concen: 4.104 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011512.D
 Acq: 13 Aug 2019 03:10

Instrument :
 MSVOA_X
 ClientSampleId :
 2S-D2-(1)

Tgt Ion: 75 Resp: 10636
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 34.0 35.3 52.9#



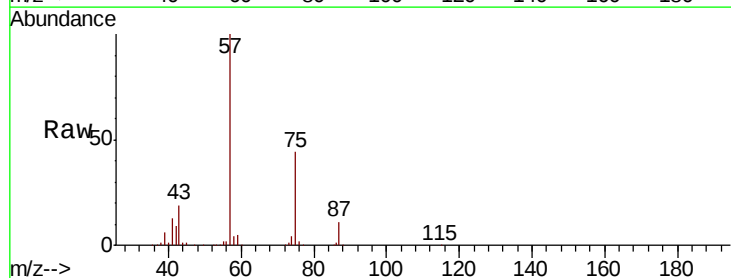
Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0



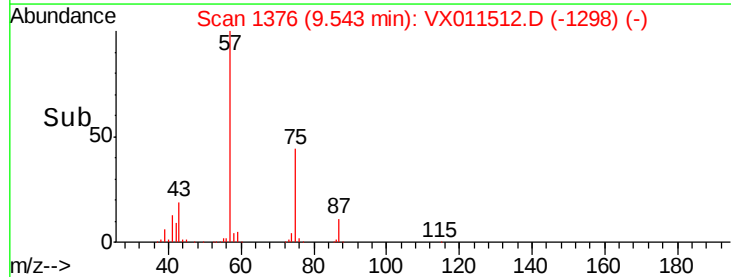
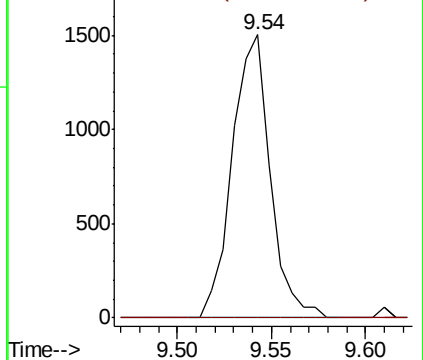
#57

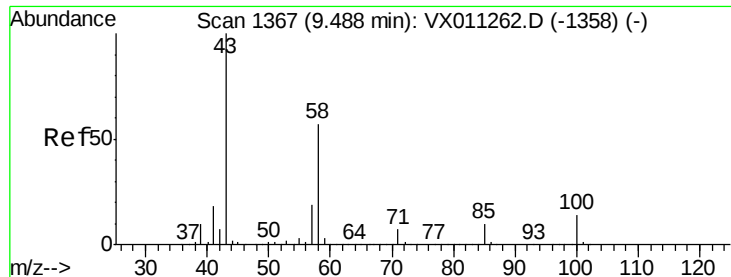
1,3-Dichloropropane
 Concen: 0.704 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.18 min
 Lab File: VX011512.D
 Acq: 13 Aug 2019 03:10

Tgt Ion: 76 Resp: 2099
 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

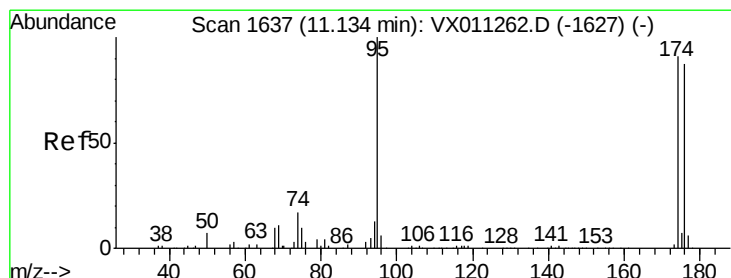
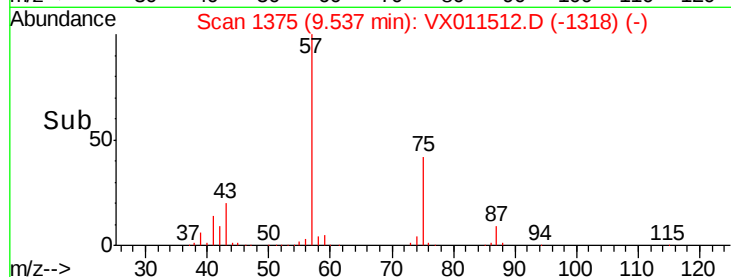
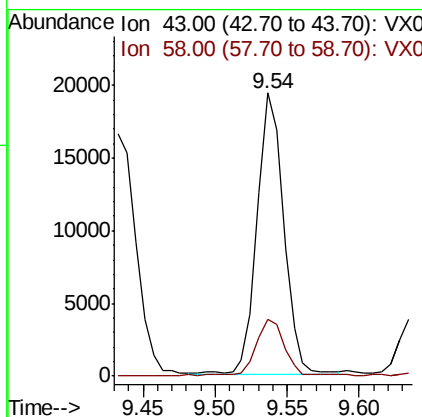
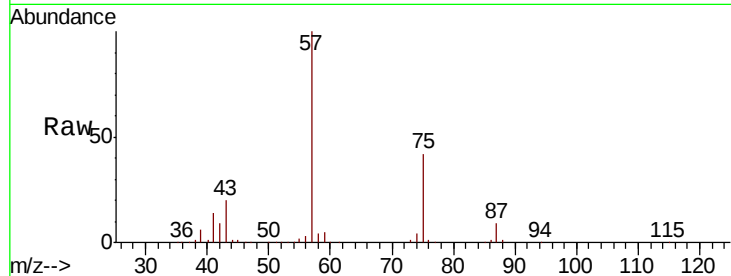




#59
2-Hexanone
Concen: 13.331 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

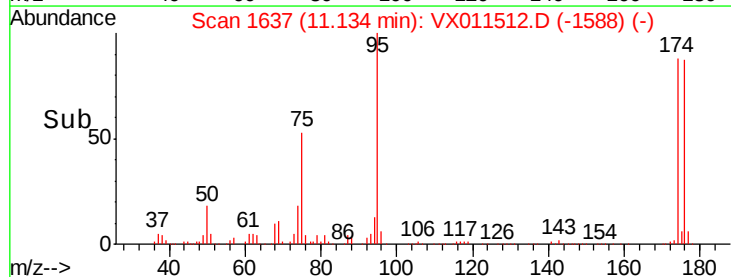
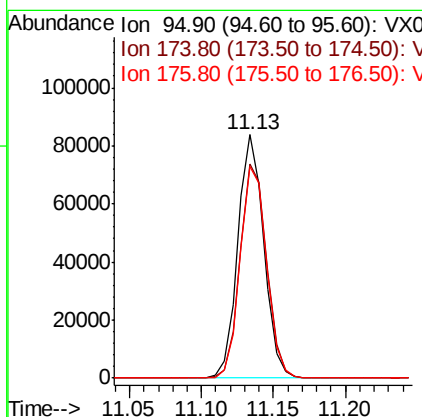
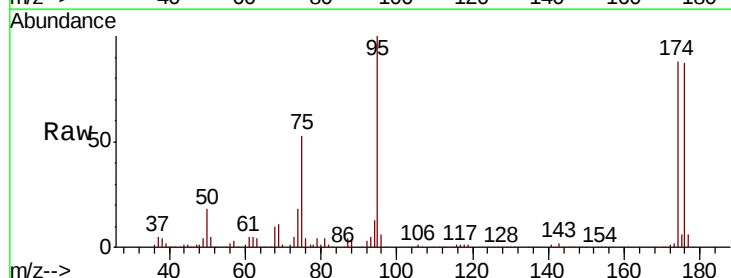
Instrument :
MSVOA_X
ClientSampleId :
2S-D2-(1)

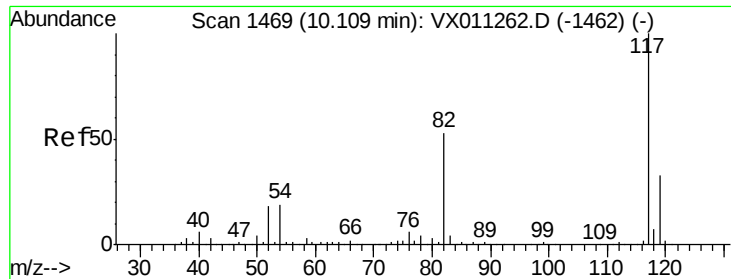
Tgt Ion: 43 Resp: 24820
Ion Ratio Lower Upper
43 100
58 22.0 28.2 84.6#



#62
4-Bromofluorobenzene
Concen: 45.052 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

Tgt Ion: 95 Resp: 105447
Ion Ratio Lower Upper
95 100
174 89.8 0.0 191.2
176 88.2 0.0 184.8

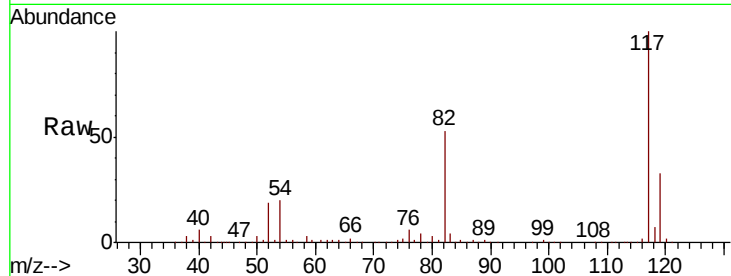




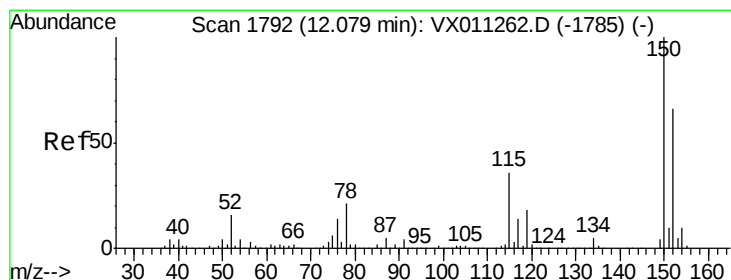
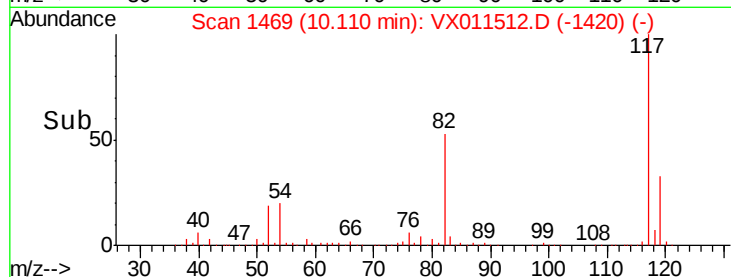
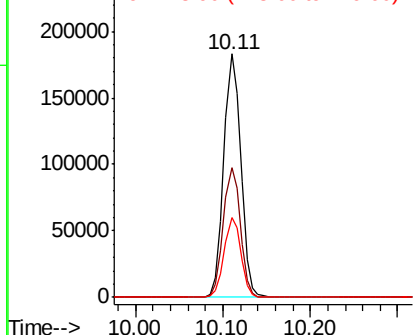
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

Instrument :
MSVOA_X
ClientSampleId :
2S-D2-(1)

Tgt Ion:117 Resp: 247122
Ion Ratio Lower Upper
117 100
82 53.3 42.2 63.2
119 32.6 26.6 39.8

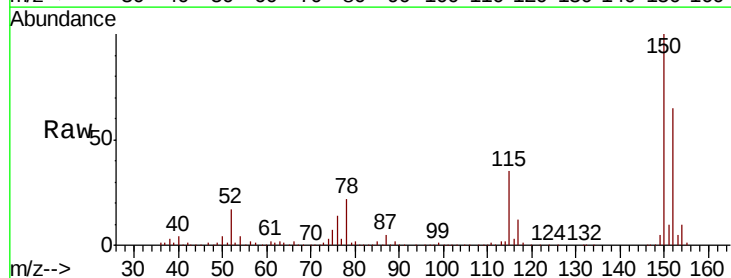


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

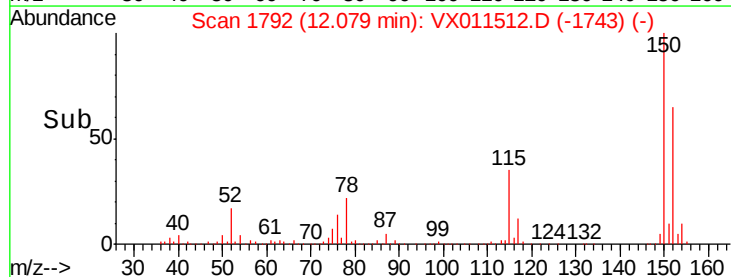
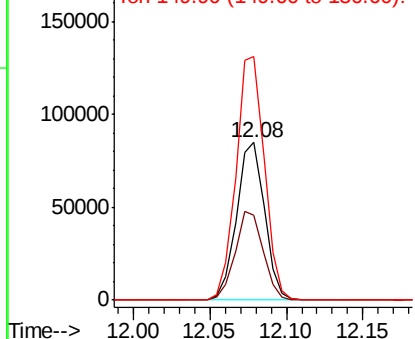


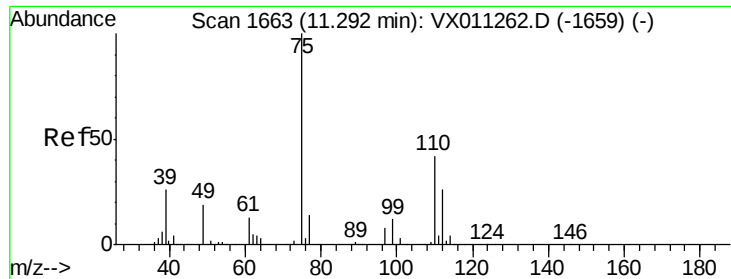
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011512.D
Acq: 13 Aug 2019 03:10

Tgt Ion:152 Resp: 107434
Ion Ratio Lower Upper
152 100
115 56.5 40.0 119.9
150 156.9 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

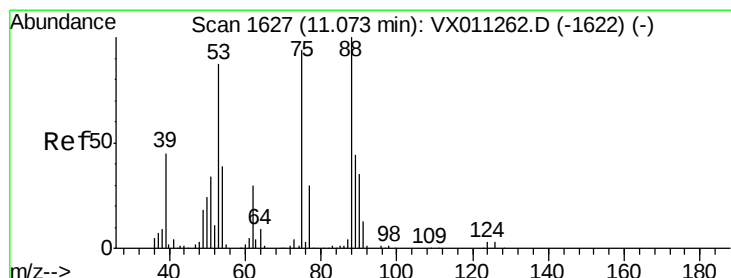
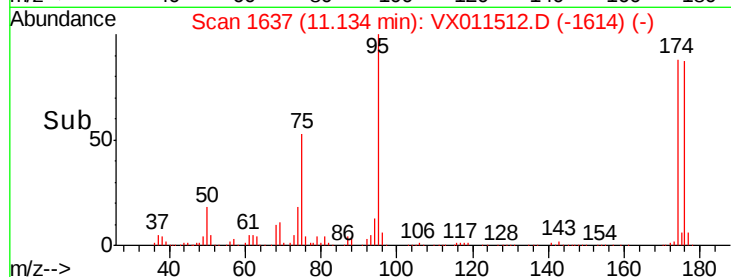
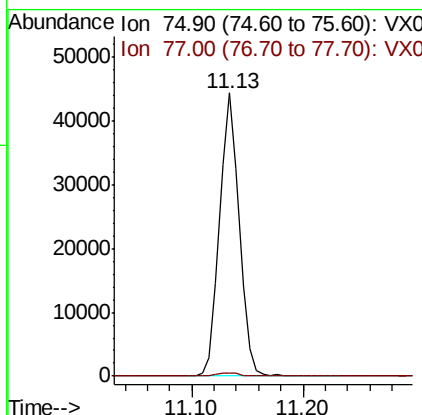
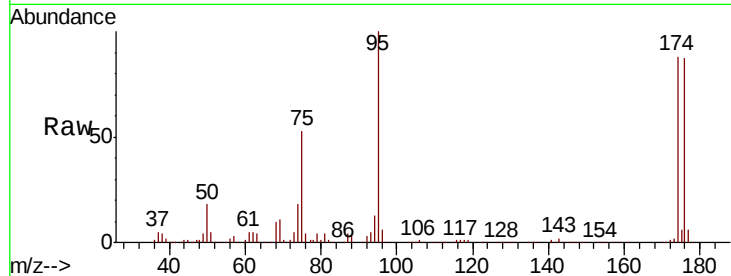




#76
 1,2,3-Trichloropropane
 Concen: 27.821 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011512.D
 Acq: 13 Aug 2019 03:10

Instrument :
 MSVOA_X
 ClientSampleId :
 2S-D2-(1)

Tgt Ion: 75 Resp: 54431
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.089 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011512.D
 Acq: 13 Aug 2019 03:10

Tgt Ion: 75 Resp: 54431
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.0 37.9 56.9#

