

Data File : VX011311.D
Acq On : 02 Aug 2019 17:40
Operator : JC/SP
Sample : K4119-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Z3-0678

Quant Time: Aug 03 05:45:27 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	142789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	228826	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	217874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99686	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	76002	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
35) Dibromofluoromethane	5.49	113	73609	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	8.71	98	281069	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.13	95	94046	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	

Target Compounds

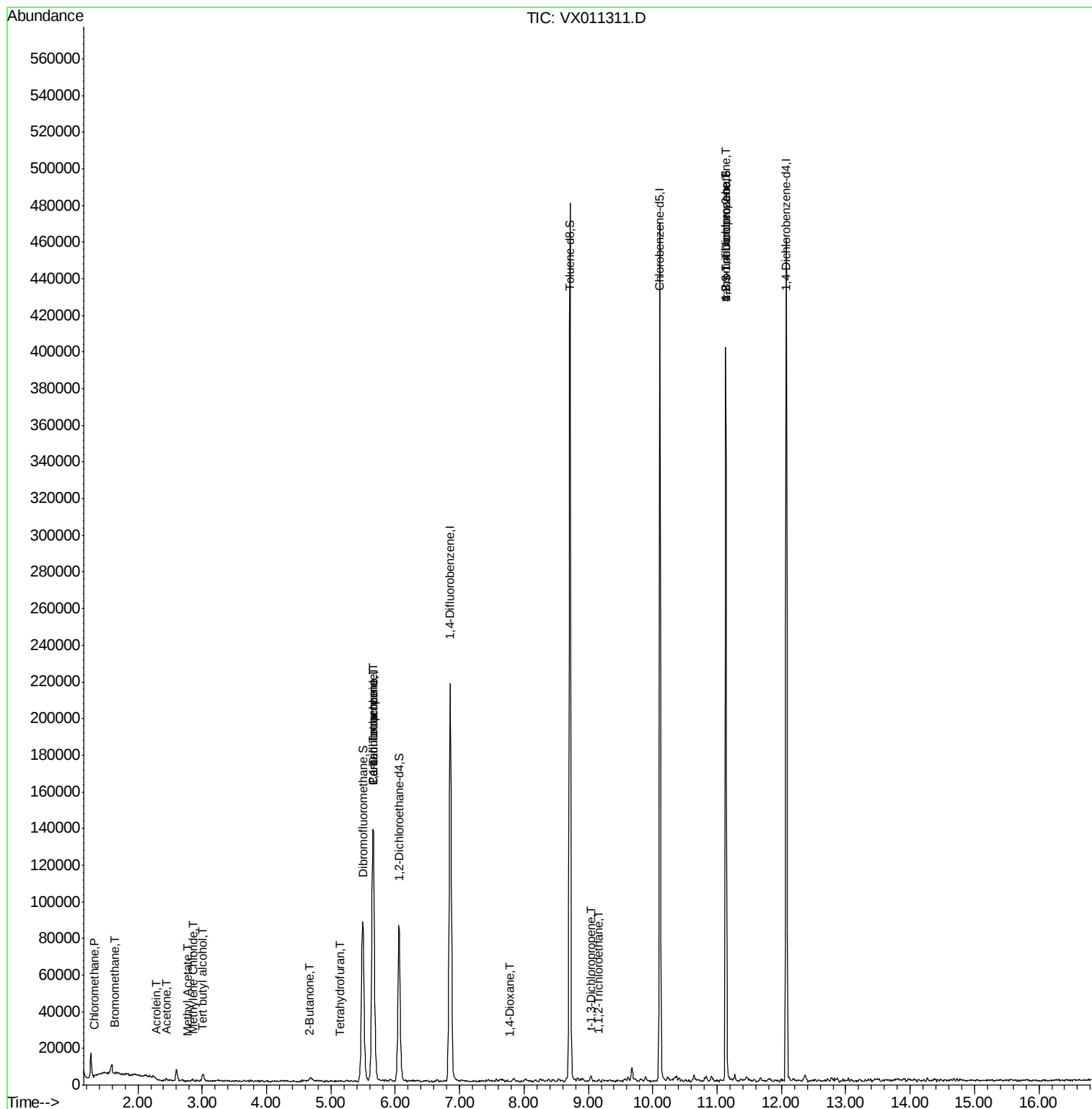
						Qvalue
3) Chloromethane	1.32	50	502	0.405	ug/l #	75
5) Bromomethane	1.65	94	611	0.629	ug/l #	67
6) Chloroethane	1.73	64	364	Below Cal	#	50
11) Tert butyl alcohol	3.00	59	2098	7.339	ug/l #	80
13) Acrolein	2.29	56	224	0.836	ug/l #	82
16) Acetone	2.44	43	1790	2.615	ug/l #	85
18) Methyl Acetate	2.78	43	431	0.276	ug/l #	60
20) Methylene Chloride	2.86	84	380	0.254	ug/l #	64
25) 2-Butanone	4.66	43	353	0.363	ug/l #	46
29) Tetrahydrofuran	5.13	42	366	0.613	ug/l #	56
36) 1,1-Dichloropropene	5.66	75	9253	4.631	ug/l #	48
38) Carbon Tetrachloride	5.66	117	13019	6.477	ug/l #	14
49) 1,4-Dioxane	7.78	88	27	0.618	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	39	2.855	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	354	0.218	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	46821	25.791	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	46821	67.160	ug/l #	10

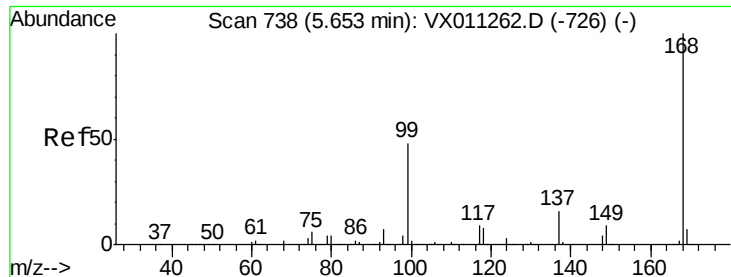
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011311.D

Acq: 02 Aug 2019 17:40

Instrument :

MSVOA_N

ClientSampled :

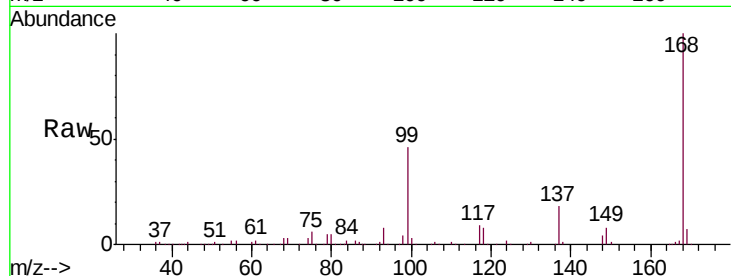
Z3-0678

Tgt Ion:168 Resp: 142789

Ion Ratio Lower Upper

168 100

99 45.4 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

50000

40000

30000

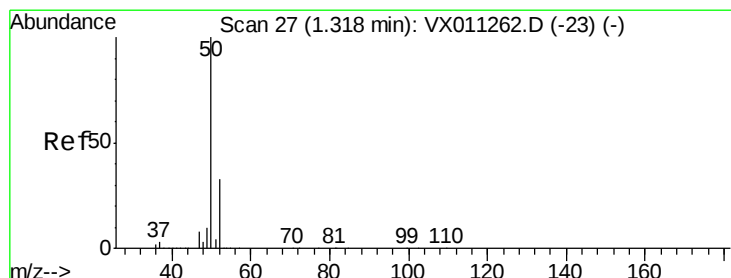
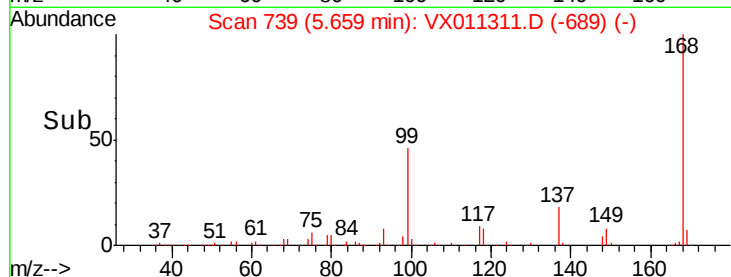
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.405 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011311.D

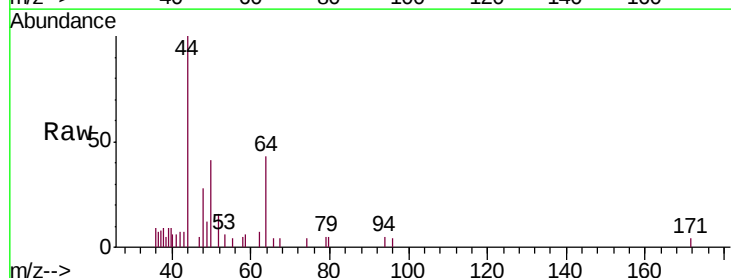
Acq: 02 Aug 2019 17:40

Tgt Ion: 50 Resp: 502

Ion Ratio Lower Upper

50 100

52 18.9 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

600

500

400

300

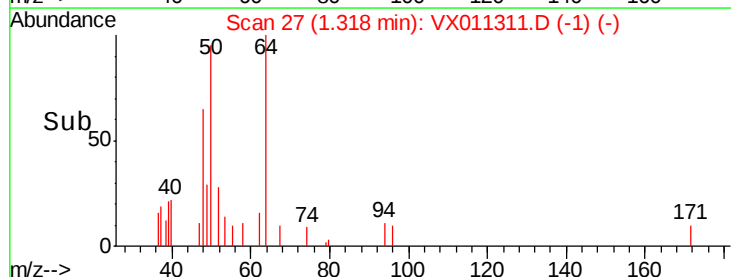
200

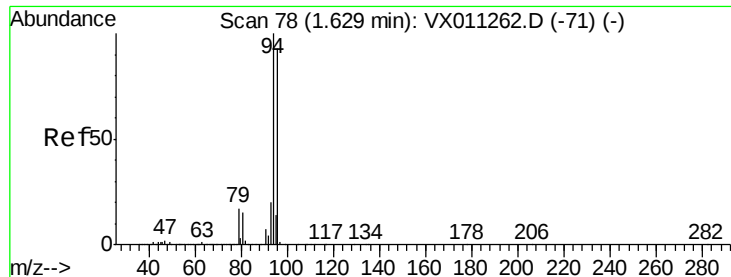
100

0

Time-->

1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.629 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011311.D

Acq: 02 Aug 2019 17:40

Instrument :

MSVOA_N

ClientSampled :

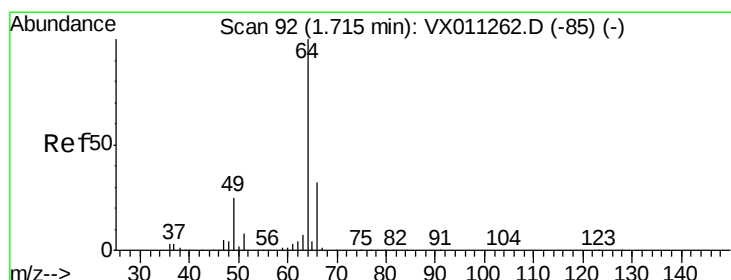
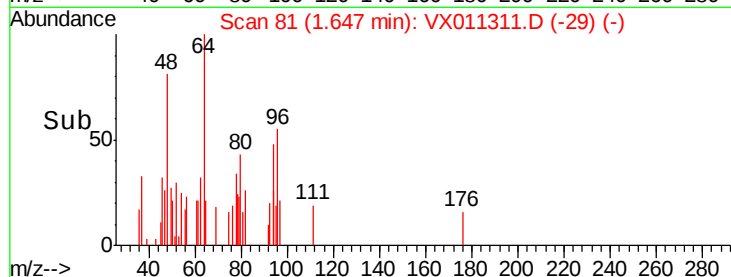
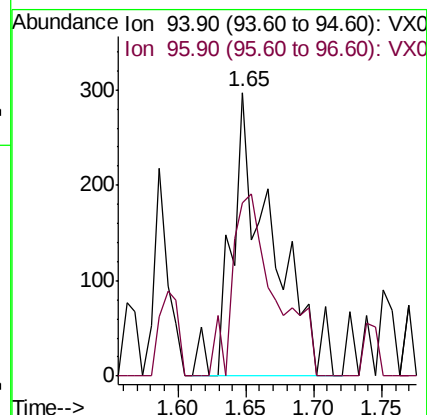
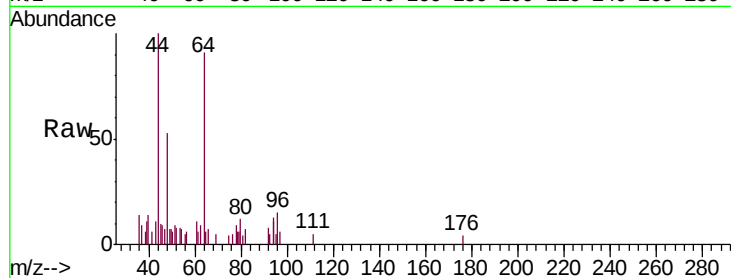
Z3-0678

Tgt Ion: 94 Resp: 611

Ion Ratio Lower Upper

94 100

96 61.3 74.6 112.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX011311.D

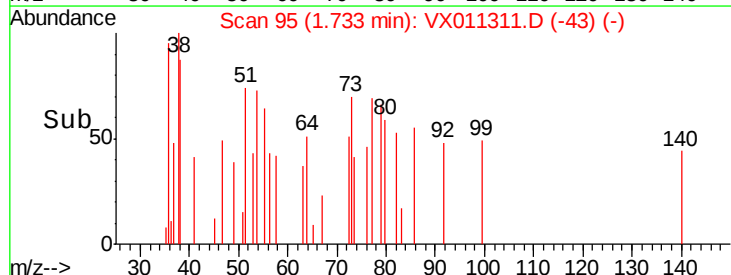
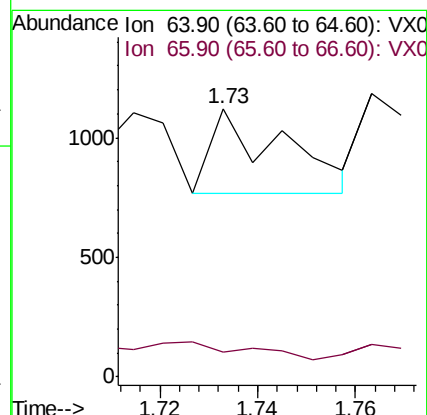
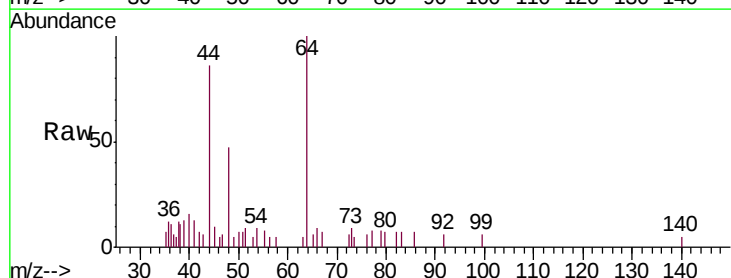
Acq: 02 Aug 2019 17:40

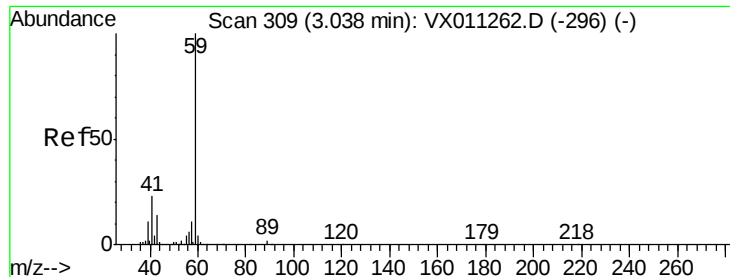
Tgt Ion: 64 Resp: 364

Ion Ratio Lower Upper

64 100

66 3.7 25.1 37.7#

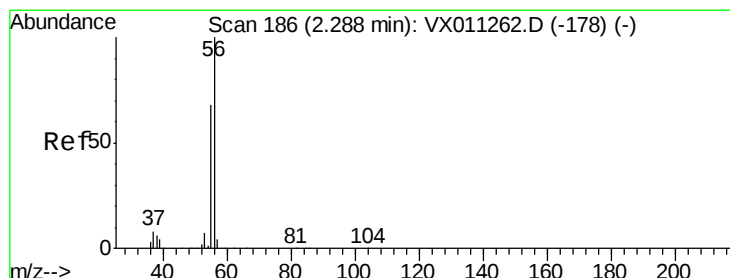
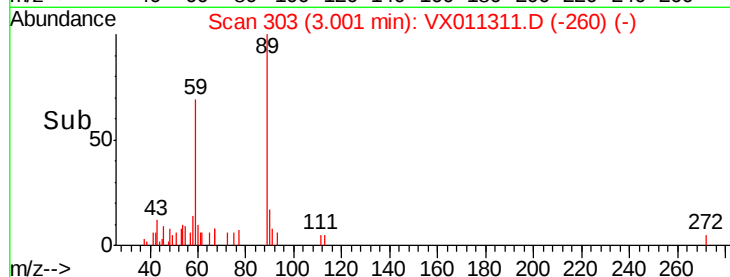
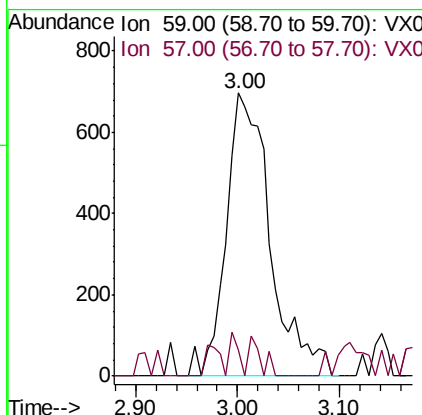
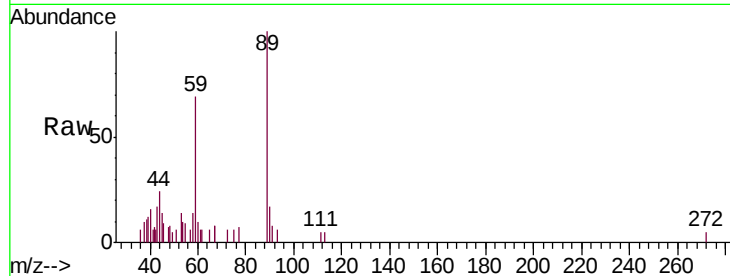




#11
Tert butyl alcohol
Concen: 7.339 ug/l
RT: 3.00 min Scan# 303
Delta R.T. -0.04 min
Lab File: VX011311.D
Acq: 02 Aug 2019 17:40

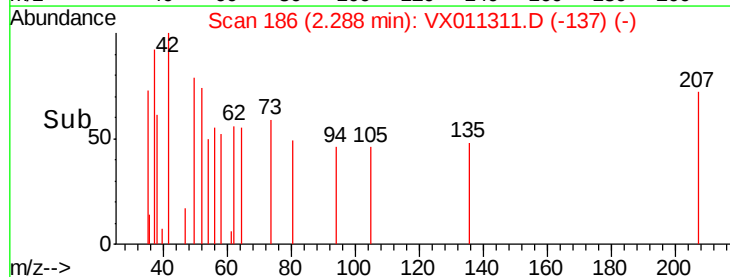
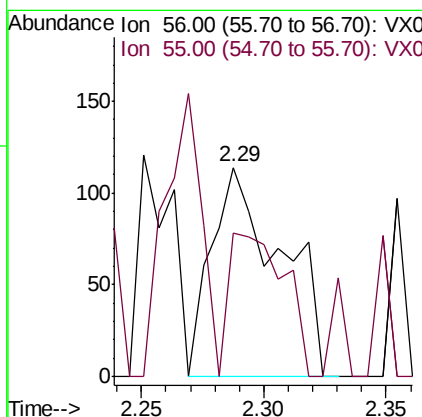
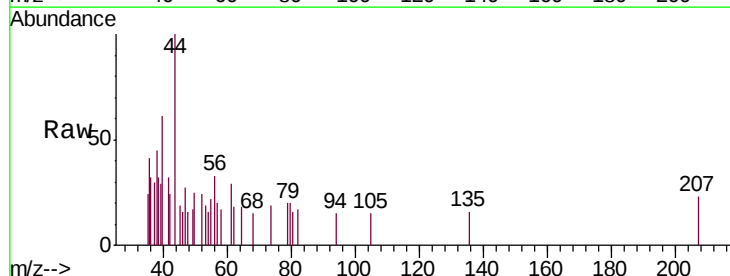
Instrument :
MSVOA_N
ClientSampleId :
Z3-0678

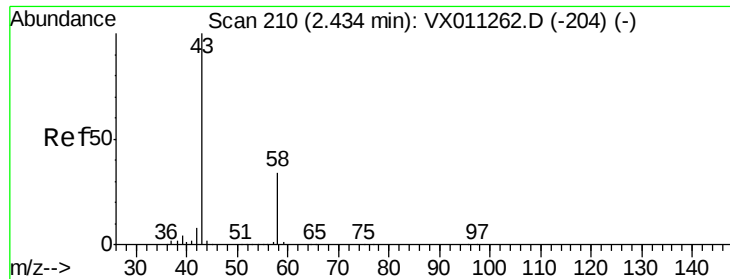
Tgt Ion: 59 Resp: 2098
Ion Ratio Lower Upper
59 100
57 3.0 8.3 12.5#



#13
Acrolein
Concen: 0.836 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011311.D
Acq: 02 Aug 2019 17:40

Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 54.9 56.0 84.0#





#16

Acetone

Concen: 2.615 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011311.D

Acq: 02 Aug 2019 17:40

Instrument :

MSVOA_N

ClientSampled :

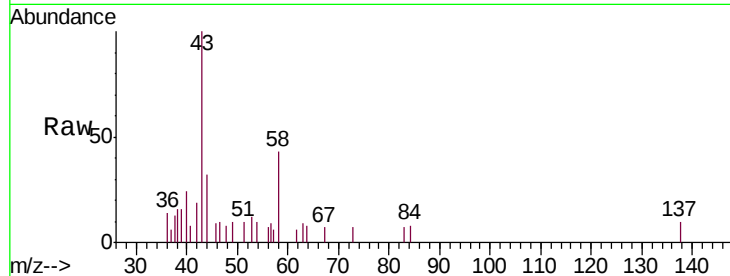
Z3-0678

Tgt Ion: 43 Resp: 1790

Ion Ratio Lower Upper

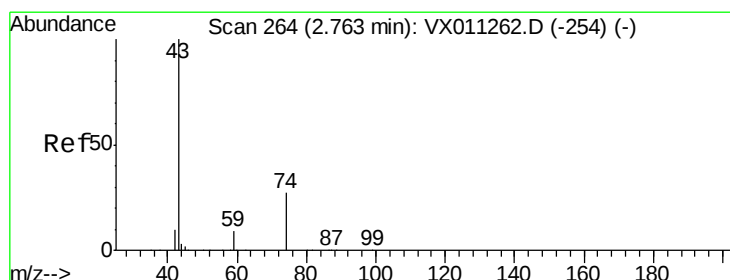
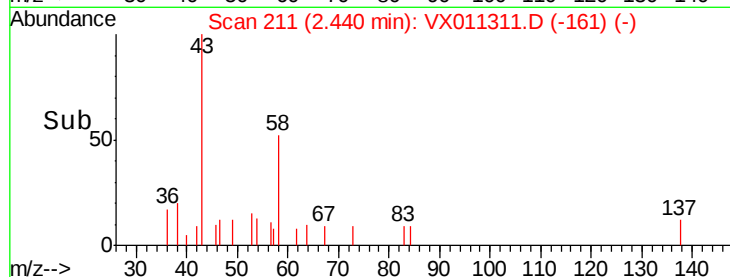
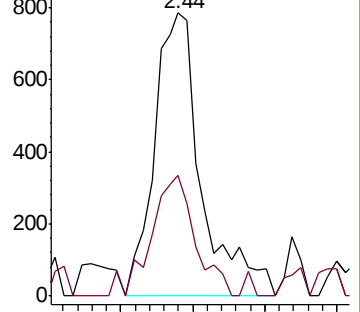
43 100

58 42.7 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.276 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX011311.D

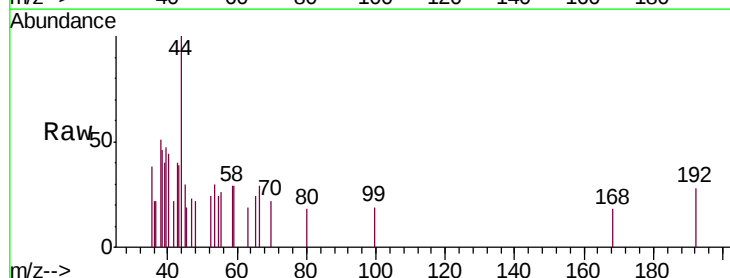
Acq: 02 Aug 2019 17:40

Tgt Ion: 43 Resp: 431

Ion Ratio Lower Upper

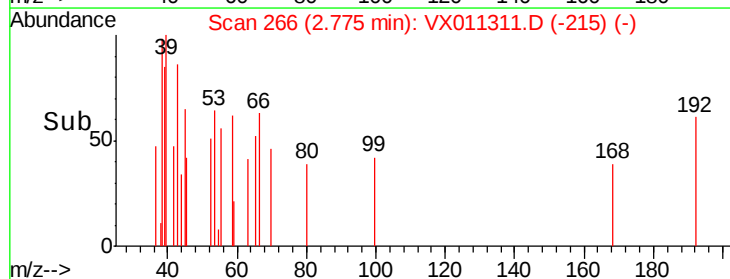
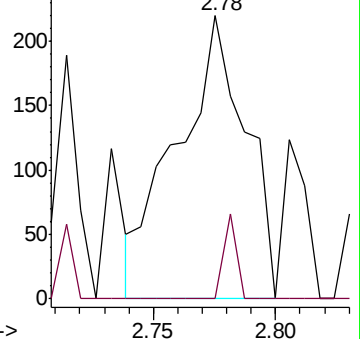
43 100

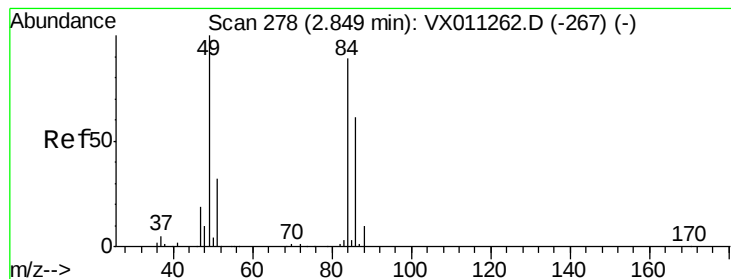
74 5.6 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.254 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX011311.D

Acq: 02 Aug 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

Z3-0678

Tgt Ion: 84 Resp: 380

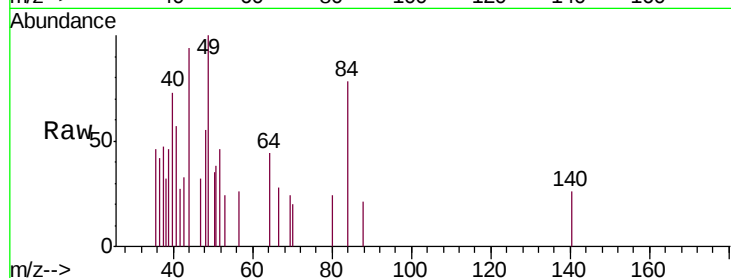
Ion Ratio Lower Upper

84 100

49 100.5 89.3 133.9

51 48.2 28.3 42.5#

86 0.0 54.5 81.7#

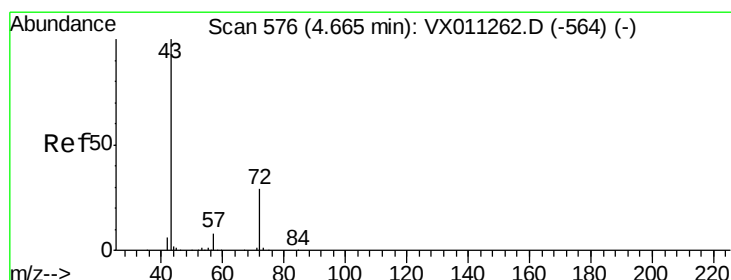
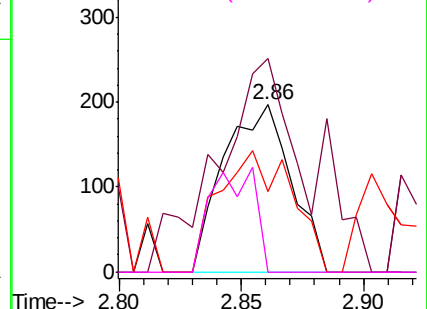
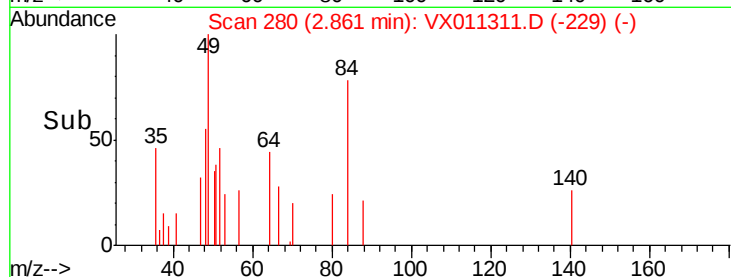


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.363 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011311.D

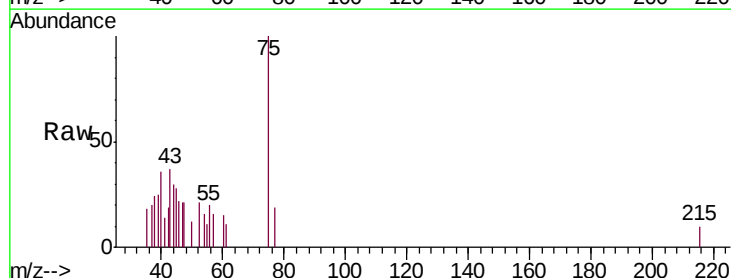
Acq: 02 Aug 2019 17:40

Tgt Ion: 43 Resp: 353

Ion Ratio Lower Upper

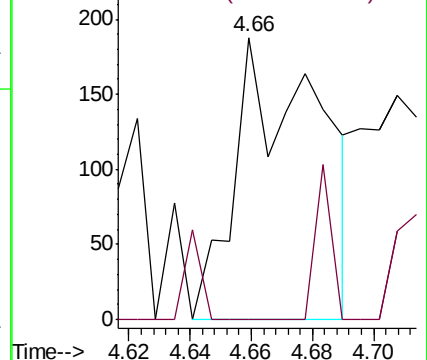
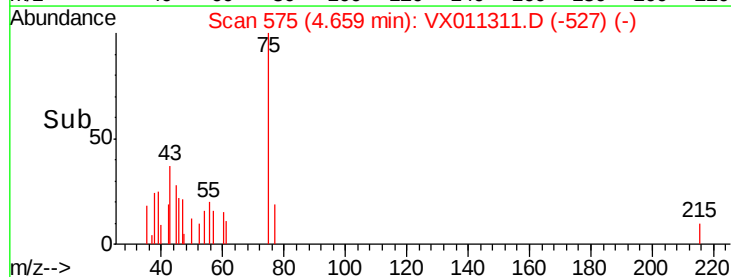
43 100

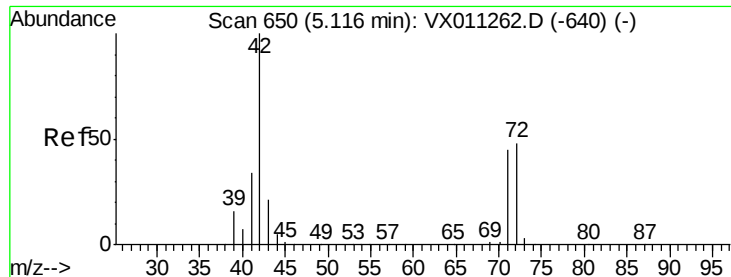
72 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.613 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.01 min

Lab File: VX011311.D

Acq: 02 Aug 2019 17:40

Instrument :

MSVOA_N

ClientSampled :

Z3-0678

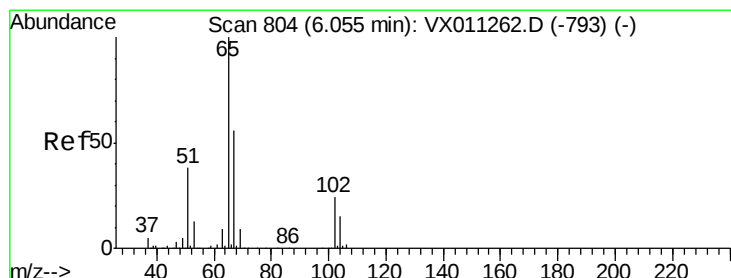
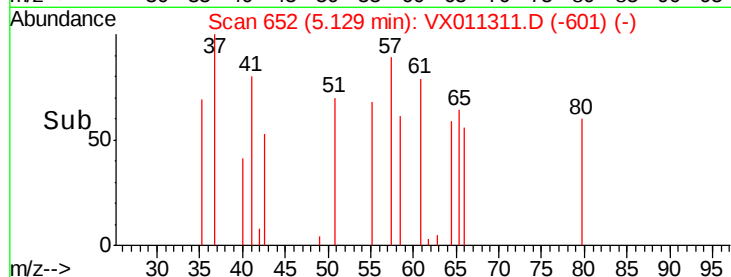
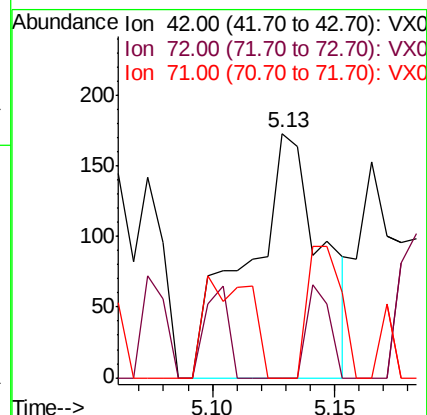
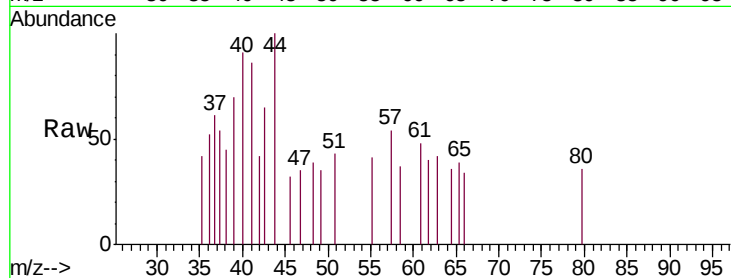
Tgt Ion: 42 Resp: 366

Ion Ratio Lower Upper

42 100

72 11.7 39.9 59.9#

71 24.6 36.9 55.3#



#33

1,2-Dichloroethane-d4

Concen: 52.854 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011311.D

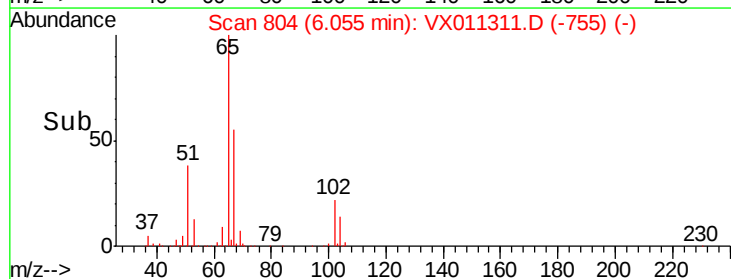
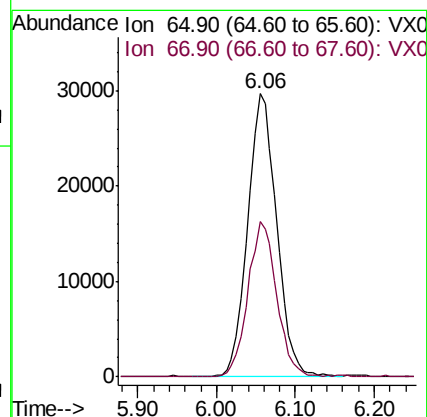
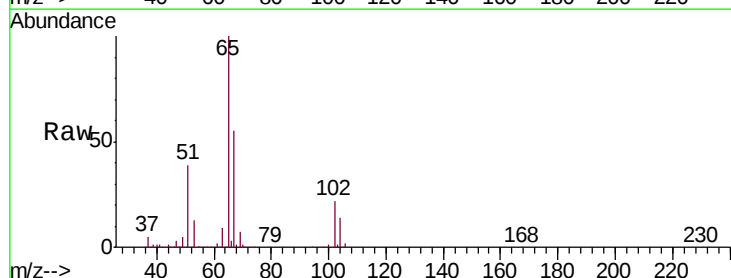
Acq: 02 Aug 2019 17:40

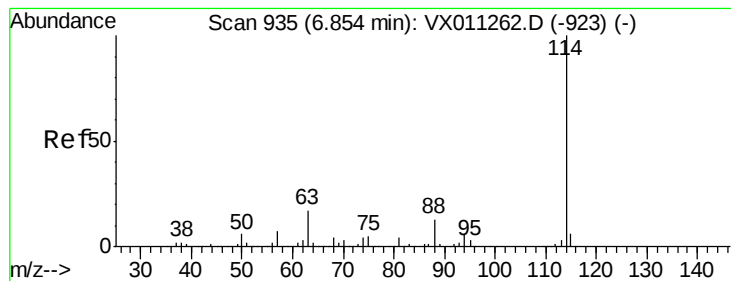
Tgt Ion: 65 Resp: 76002

Ion Ratio Lower Upper

65 100

67 54.3 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: VX011311.D

Acq: 02 Aug 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

Z3-0678

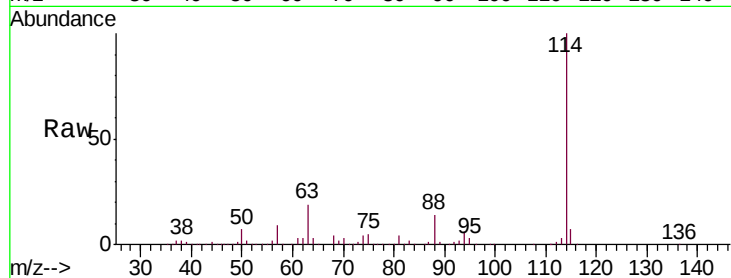
Tgt Ion:114 Resp: 228826

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.0

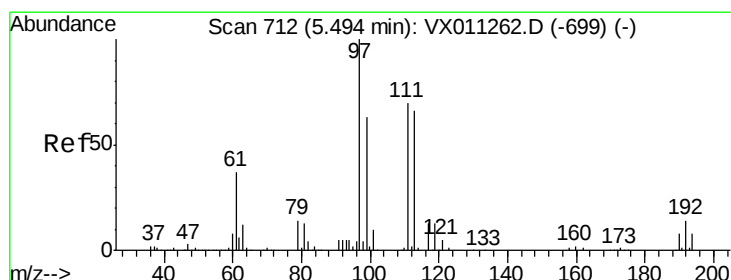
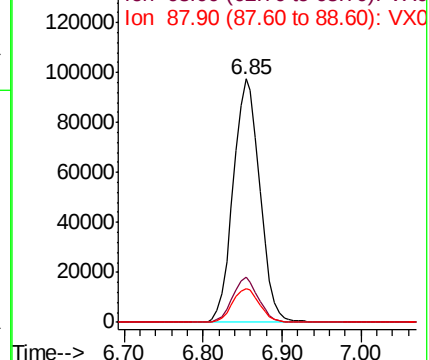
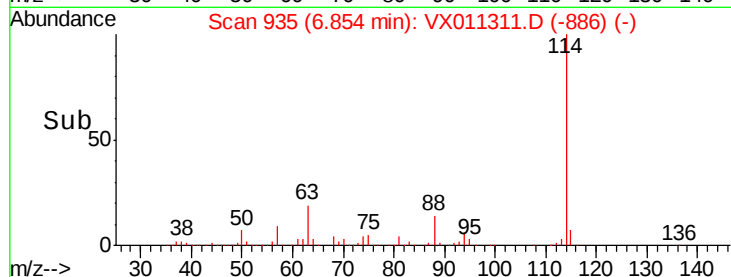
88 14.1 0.0 26.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.271 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011311.D

Acq: 02 Aug 2019 17:40

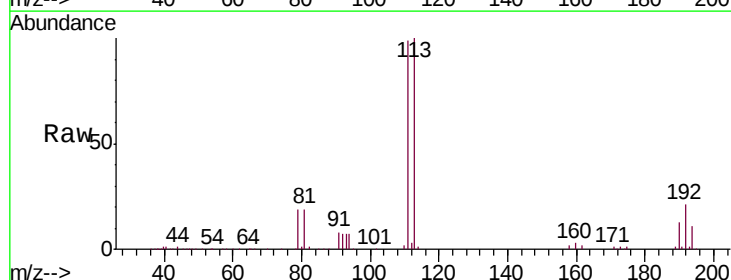
Tgt Ion:113 Resp: 73609

Ion Ratio Lower Upper

113 100

111 100.6 81.9 122.9

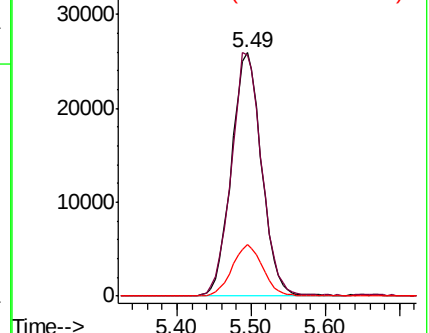
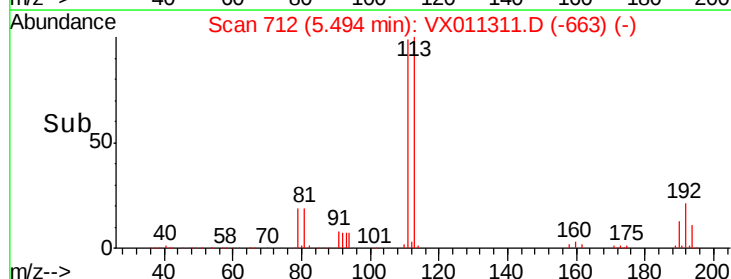
192 21.4 17.8 26.8

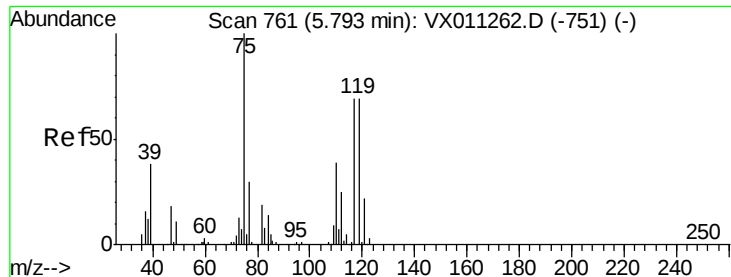


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

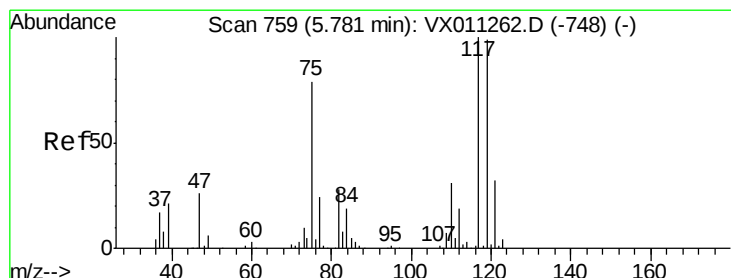
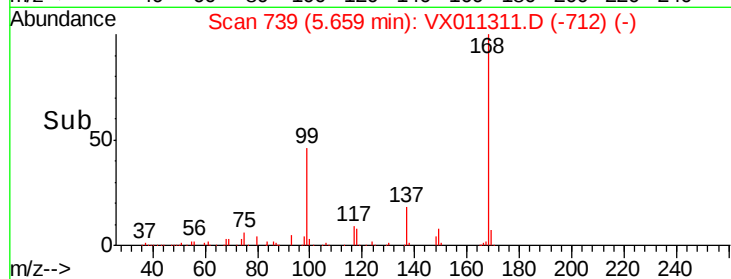
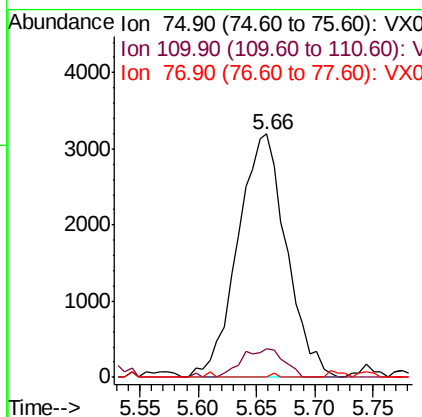
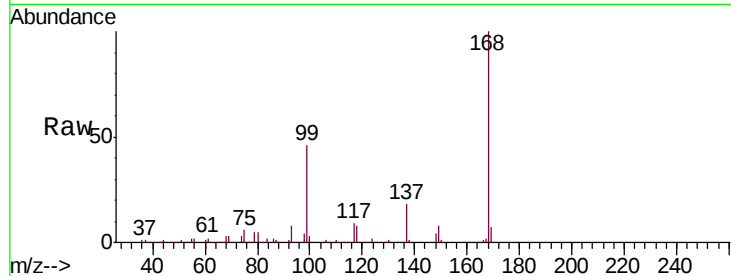




#36
 1,1-Dichloropropene
 Concen: 4.631 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011311.D
 Acq: 02 Aug 2019 17:40

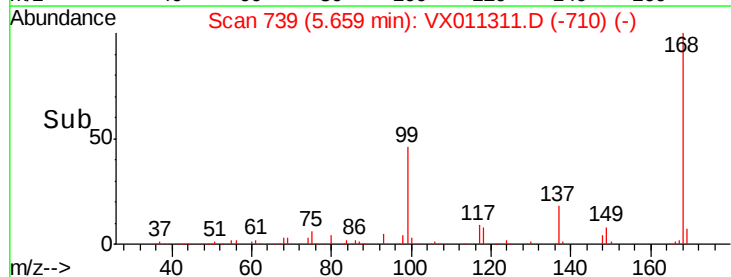
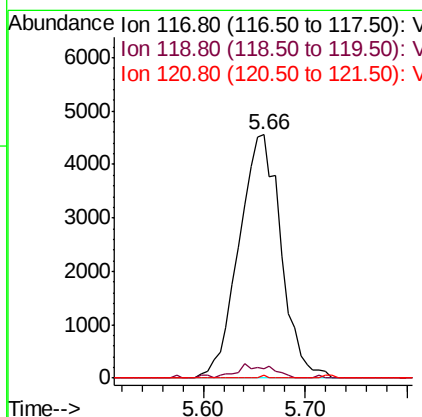
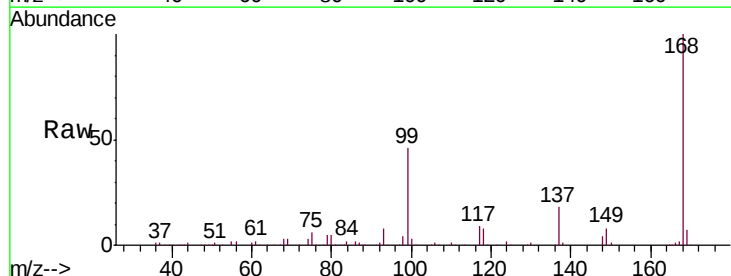
Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-0678

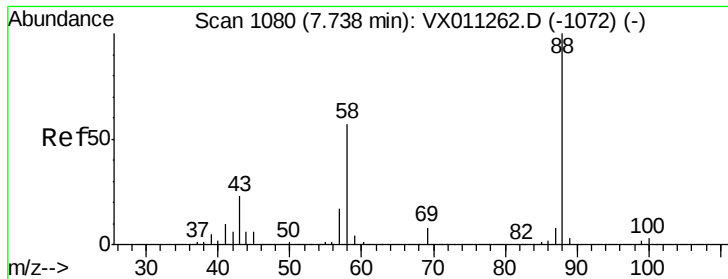
Tgt Ion: 75 Resp: 9253
 Ion Ratio Lower Upper
 75 100
 110 10.2 20.0 59.9#
 77 0.2 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.477 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011311.D
 Acq: 02 Aug 2019 17:40

Tgt Ion: 117 Resp: 13019
 Ion Ratio Lower Upper
 117 100
 119 3.9 79.0 118.4#
 121 1.2 25.9 38.9#

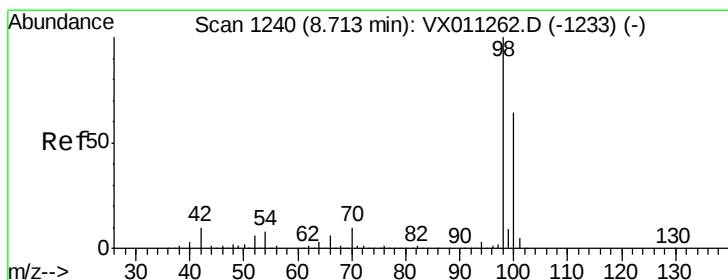
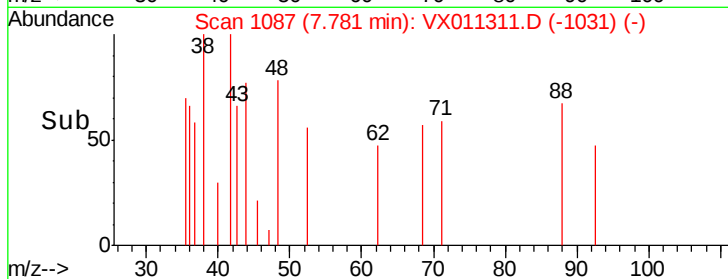
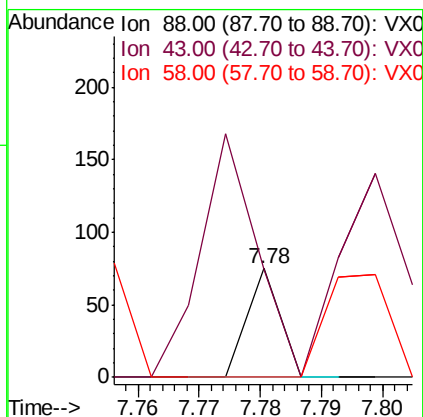
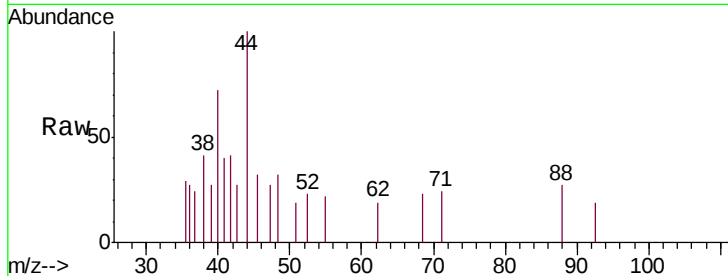




#49
1,4-Dioxane
Concen: 0.618 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.04 min
Lab File: VX011311.D
Acq: 02 Aug 2019 17:40

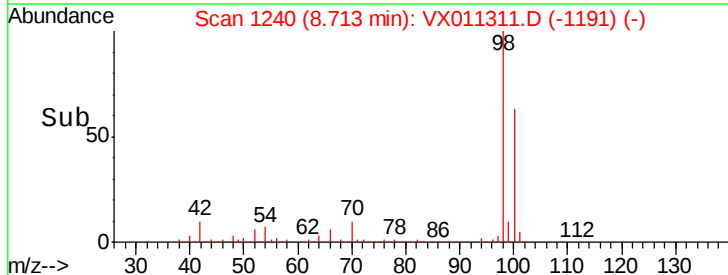
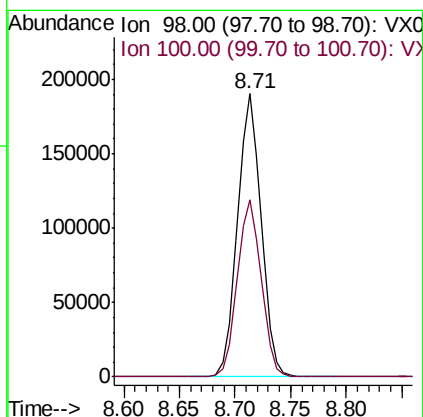
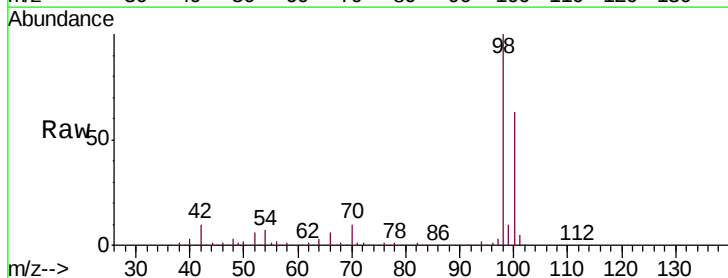
Instrument :
MSVOA_N
ClientSampled :
Z3-0678

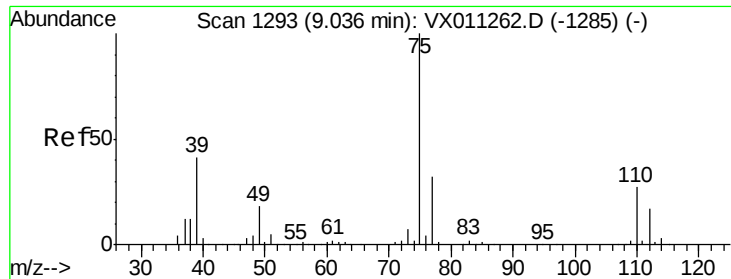
Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 396.3 22.2 33.2#
58 0.0 47.8 71.8#



#50
Toluene-d8
Concen: 49.842 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011311.D
Acq: 02 Aug 2019 17:40

Tgt Ion: 98 Resp: 281069
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5

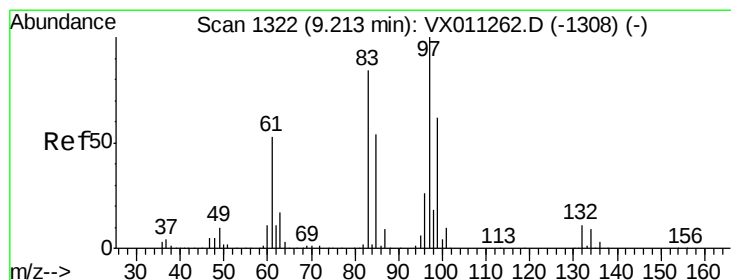
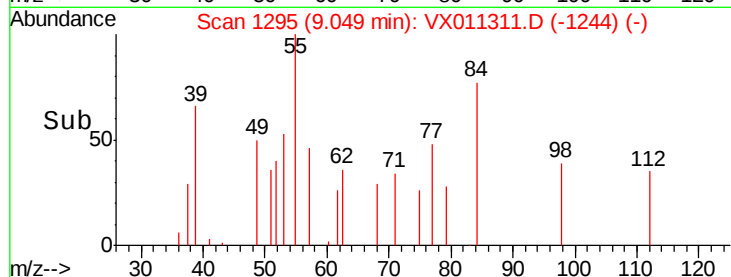
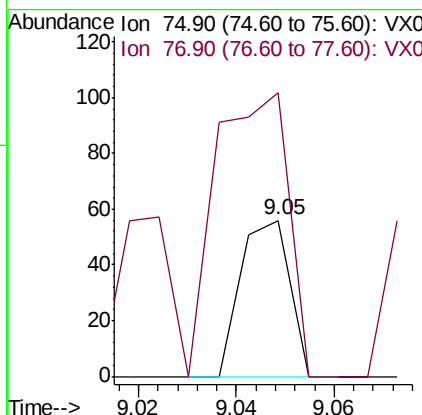
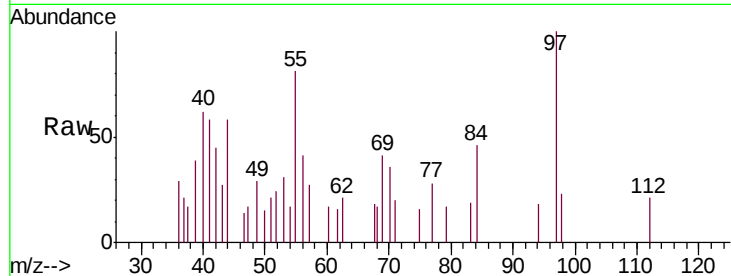




#53
t-1,3-Dichloropropene
Concen: 2.855 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX011311.D
Acq: 02 Aug 2019 17:40

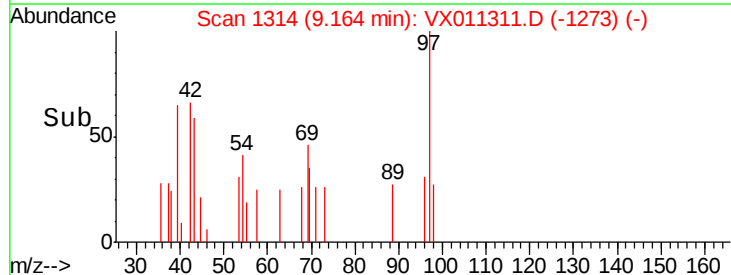
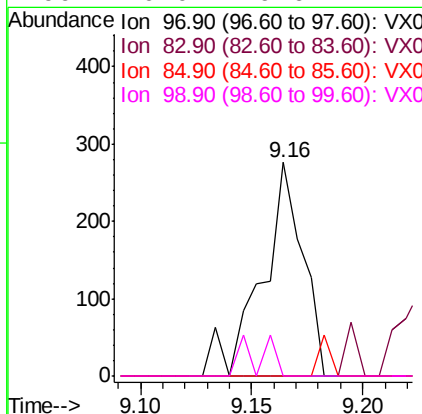
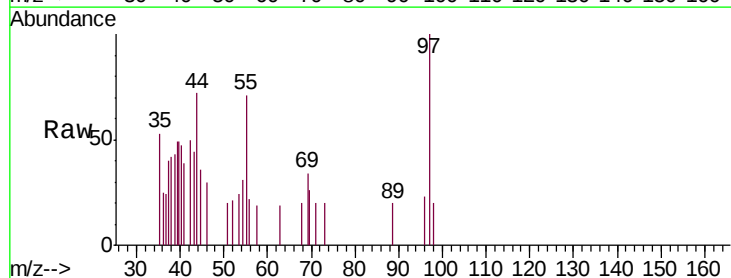
Instrument :
MSVOA_N
ClientSampled :
Z3-0678

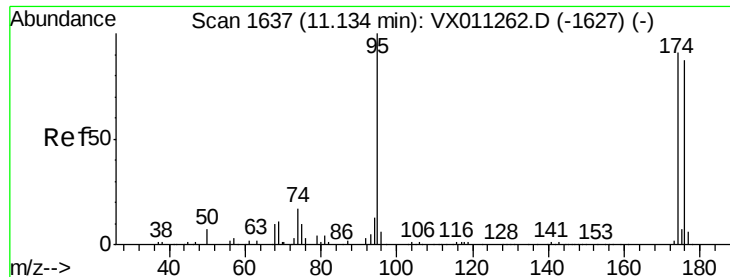
Tgt Ion: 75 Resp: 39
Ion Ratio Lower Upper
75 100
77 182.1 25.4 38.0#



#55
1,1,2-Trichloroethane
Concen: 0.218 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.05 min
Lab File: VX011311.D
Acq: 02 Aug 2019 17:40

Tgt Ion: 97 Resp: 354
Ion Ratio Lower Upper
97 100
83 0.0 67.6 101.4#
85 0.0 43.4 65.0#
99 0.0 49.6 74.4#





#62

4-Bromofluorobenzene

Concen: 46.711 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011311.D

Acq: 02 Aug 2019 17:40

Instrument :

MSVOA_N

ClientSampled :

Z3-0678

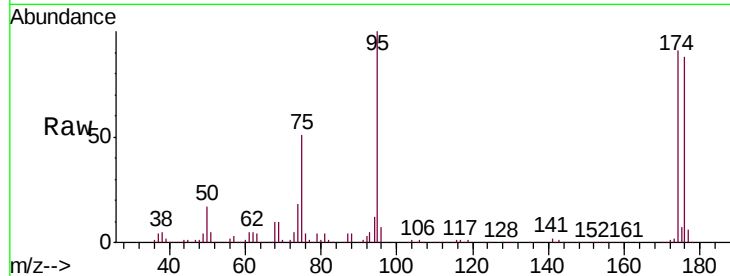
Tgt Ion: 95 Resp: 94046

Ion Ratio Lower Upper

95 100

174 95.3 0.0 191.2

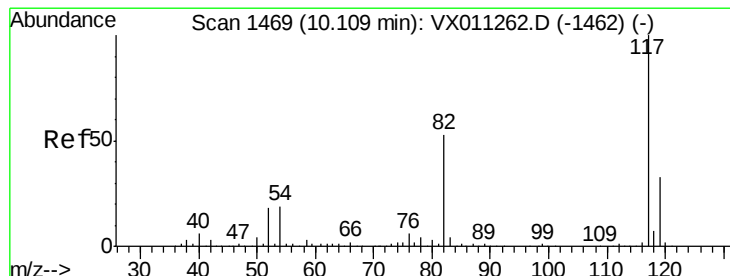
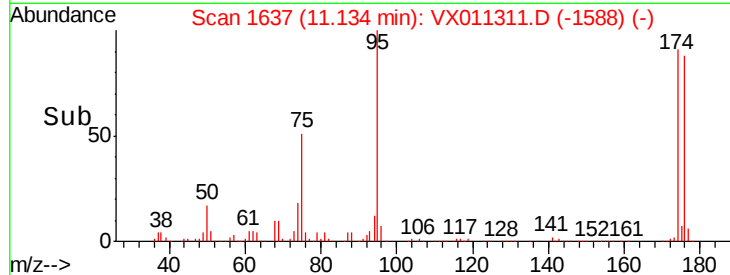
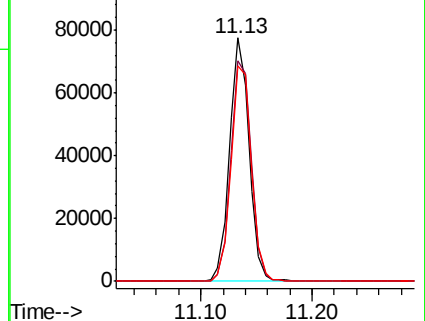
176 92.5 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX011262.D (-1627) (-)

Ion 173.80 (173.50 to 174.50): VX011262.D (-1627) (-)

Ion 175.80 (175.50 to 176.50): VX011262.D (-1627) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011311.D

Acq: 02 Aug 2019 17:40

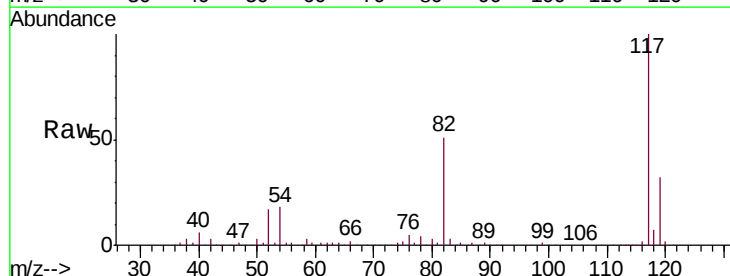
Tgt Ion: 117 Resp: 217874

Ion Ratio Lower Upper

117 100

82 51.0 42.2 63.2

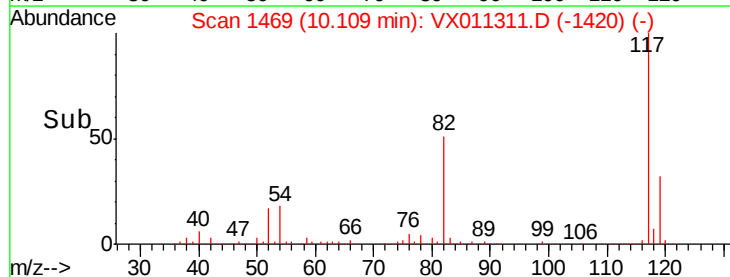
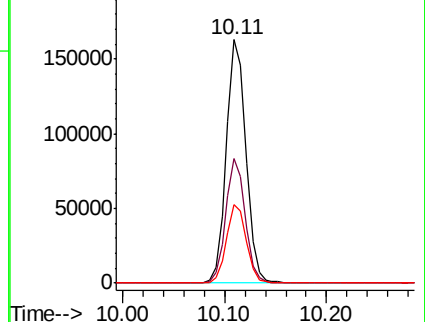
119 32.2 26.6 39.8

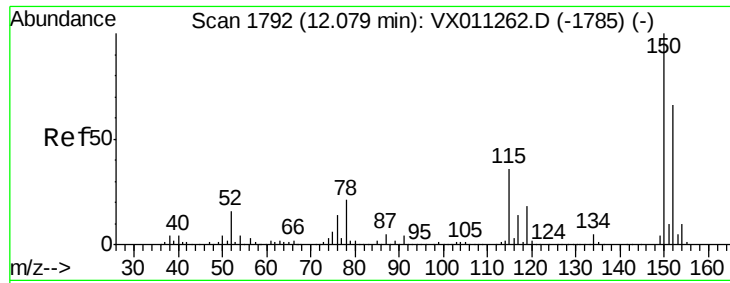


Abundance Ion 116.90 (116.60 to 117.60): VX011262.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX011262.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX011262.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011311.D

Acq: 02 Aug 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

Z3-0678

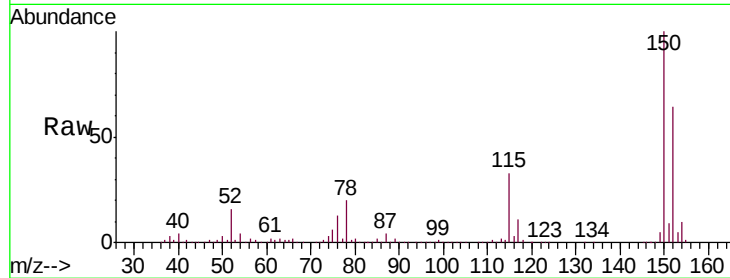
Tgt Ion:152 Resp: 99686

Ion Ratio Lower Upper

152 100

115 54.2 40.0 119.9

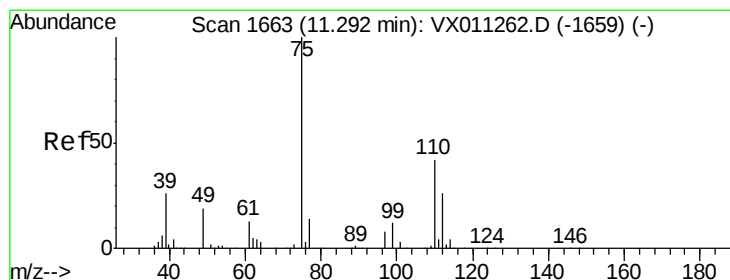
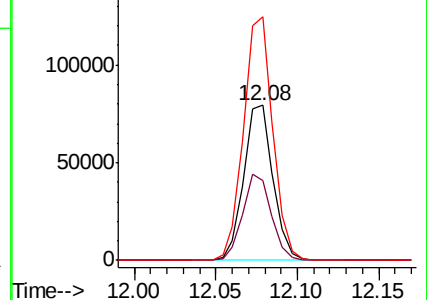
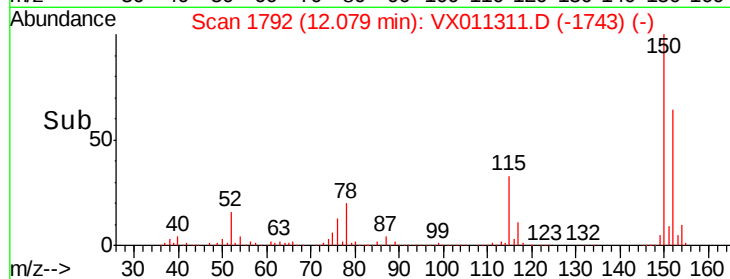
150 156.6 0.0 350.4



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: 25.791 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011311.D

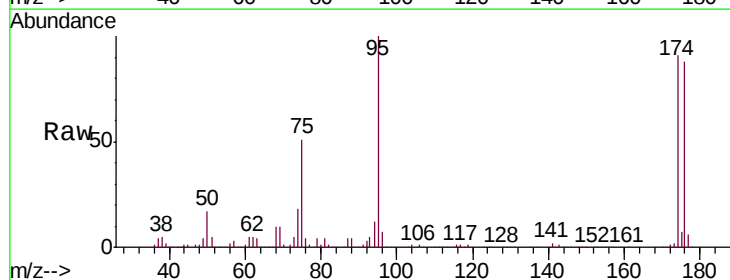
Acq: 02 Aug 2019 17:40

Tgt Ion: 75 Resp: 46821

Ion Ratio Lower Upper

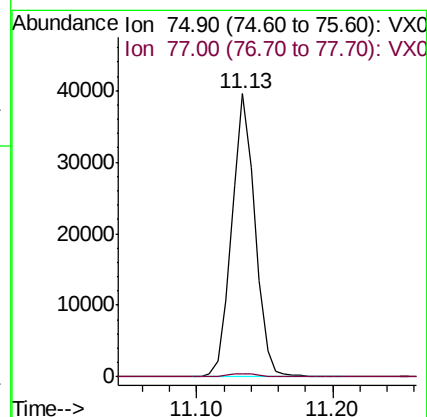
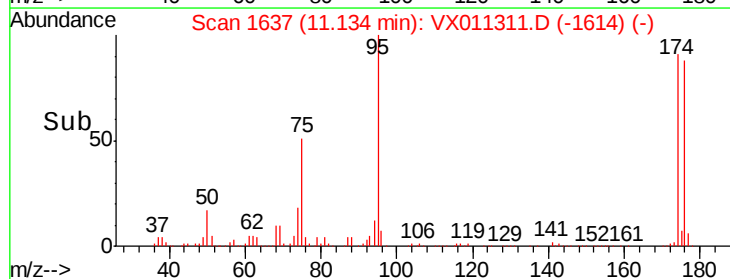
75 100

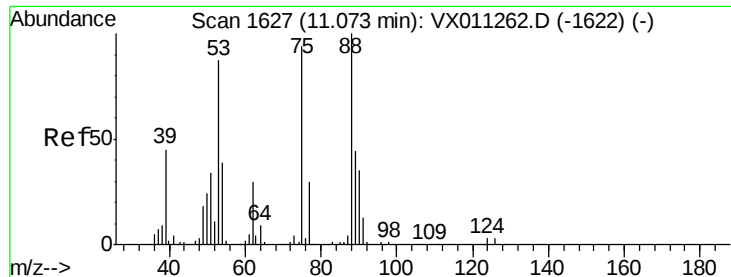
77 1.4 21.1 63.4#



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: 67.160 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011311.D

Acq: 02 Aug 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

Z3-0678

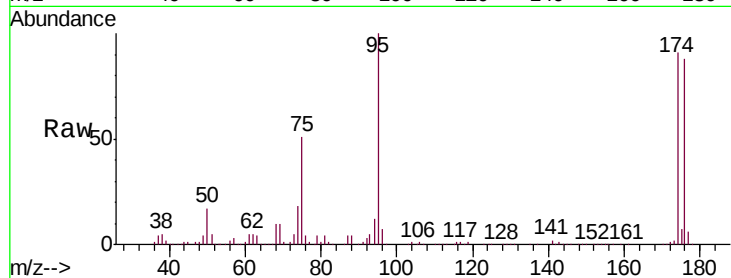
Tgt Ion: 75 Resp: 46821

Ion Ratio Lower Upper

75 100

53 0.3 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

