

Data File : VX011299.D
Acq On : 02 Aug 2019 13:00
Operator : JC/SP
Sample : K4119-01 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Z3-0683

Quant Time: Aug 03 05:41:23 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	136609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	217115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	205158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	96522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	71136	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
35) Dibromofluoromethane	5.49	113	64721	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
50) Toluene-d8	8.71	98	262137	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
62) 4-Bromofluorobenzene	11.13	95	88313	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	

Target Compounds

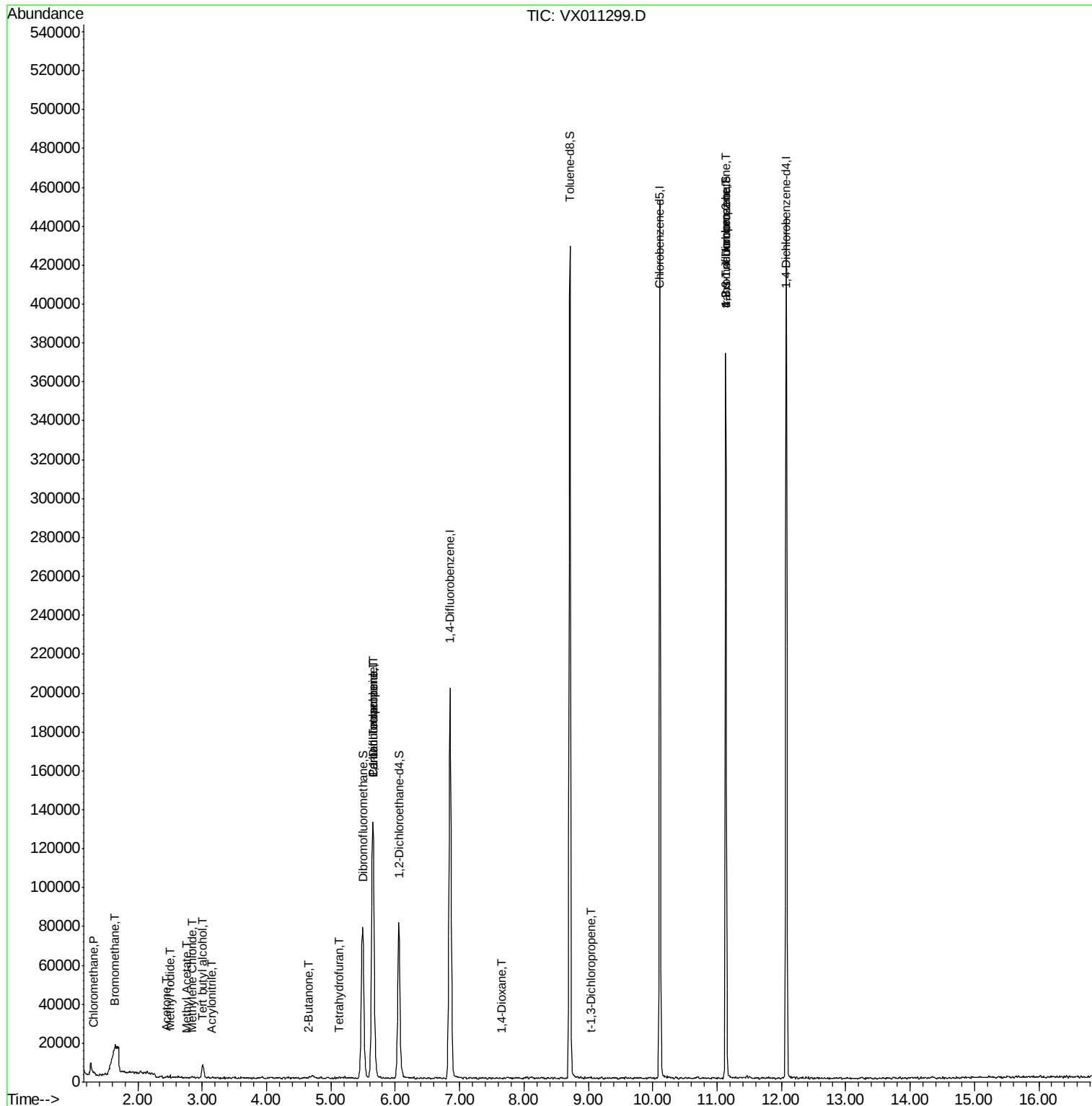
						Qvalue
3) Chloromethane	1.31	50	449	0.379	ug/l	89
5) Bromomethane	1.63	94	826	0.889	ug/l #	63
6) Chloroethane	1.68	64	72	Below Cal	#	43
10) Methyl Iodide	2.50	142	606	0.383	ug/l #	73
11) Tert butyl alcohol	3.01	59	4011	14.643	ug/l #	75
15) Acrylonitrile	3.14	53	176	0.269	ug/l #	38
16) Acetone	2.45	43	488	0.745	ug/l	99
18) Methyl Acetate	2.76	43	417	0.279	ug/l #	83
20) Methylene Chloride	2.85	84	407	0.284	ug/l #	65
25) 2-Butanone	4.65	43	247	0.265	ug/l #	65
29) Tetrahydrofuran	5.13	42	140	0.245	ug/l #	67
36) 1,1-Dichloropropene	5.65	75	8488	4.478	ug/l #	51
38) Carbon Tetrachloride	5.65	117	12291	6.445	ug/l #	15
49) 1,4-Dioxane	7.66	88	45	1.085	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	44	2.858	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	44769	25.469	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	44769	66.379	ug/l #	11

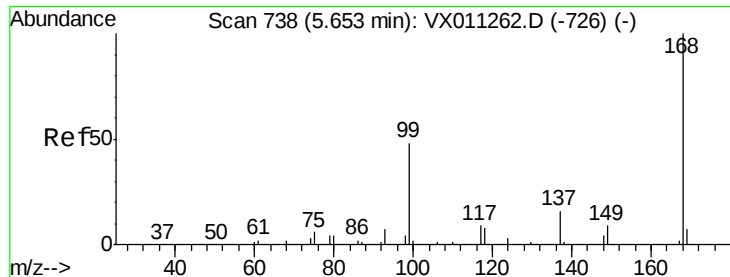
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011299.D

Acq: 02 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

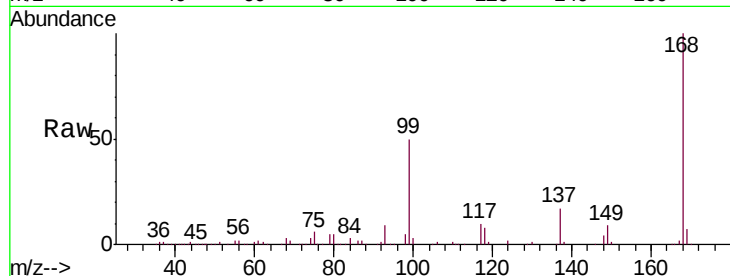
Z3-0683

Tgt Ion:168 Resp: 136609

Ion Ratio Lower Upper

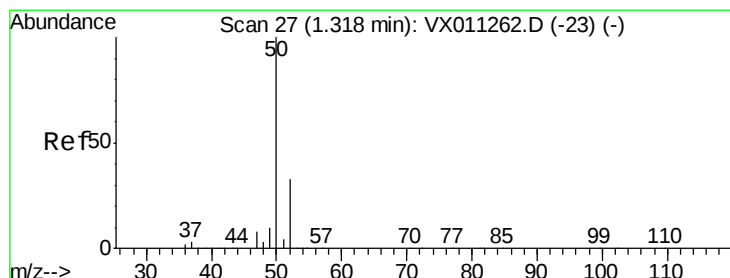
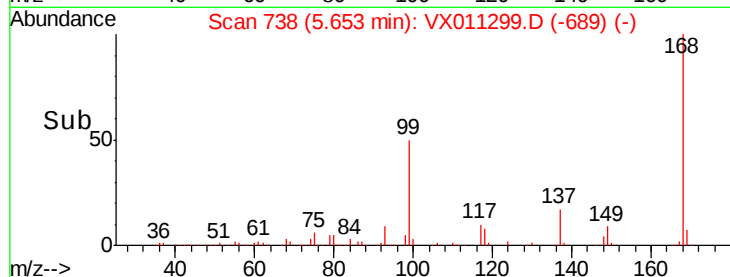
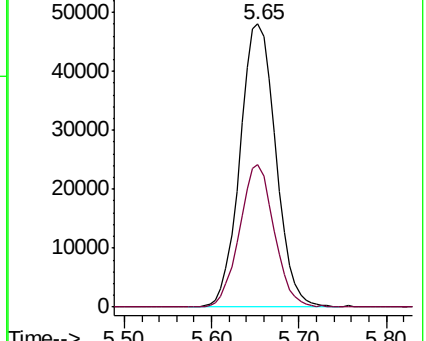
168 100

99 50.5 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.379 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.01 min

Lab File: VX011299.D

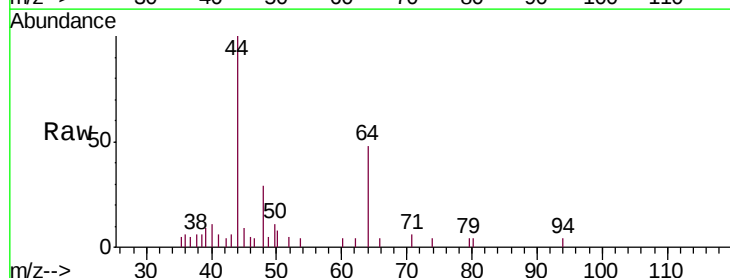
Acq: 02 Aug 2019 13:00

Tgt Ion: 50 Resp: 449

Ion Ratio Lower Upper

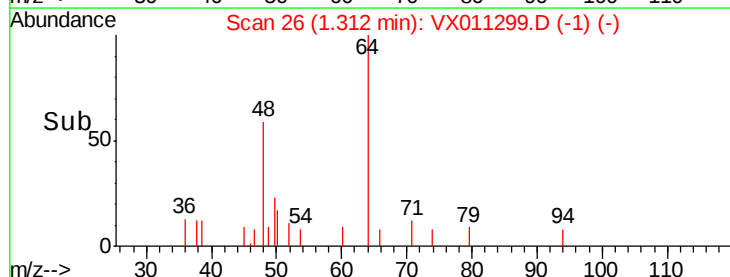
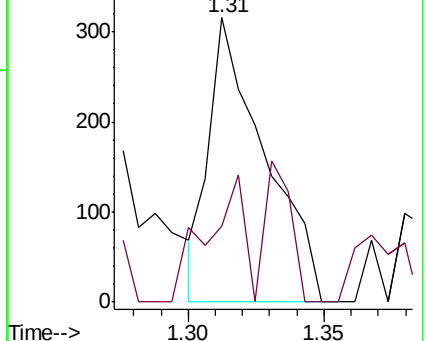
50 100

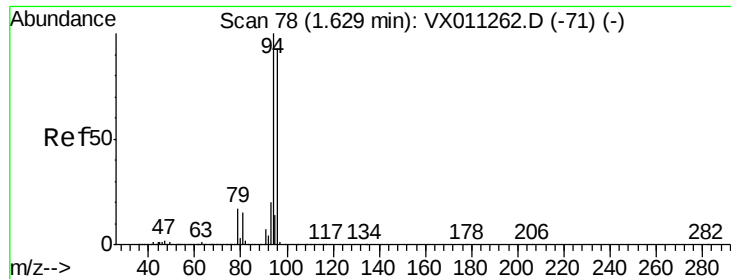
52 26.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.889 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011299.D

Acq: 02 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampled :

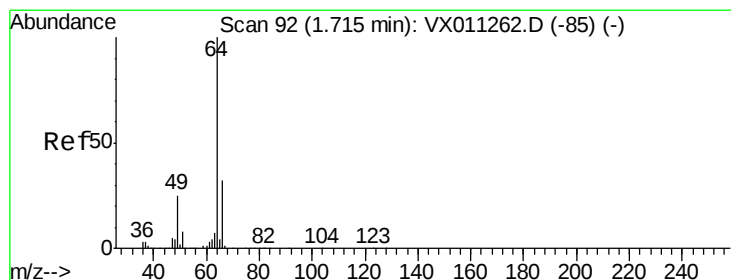
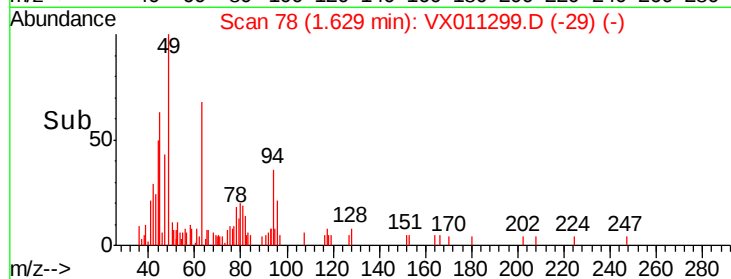
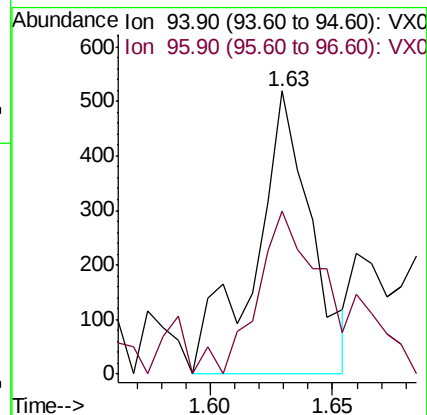
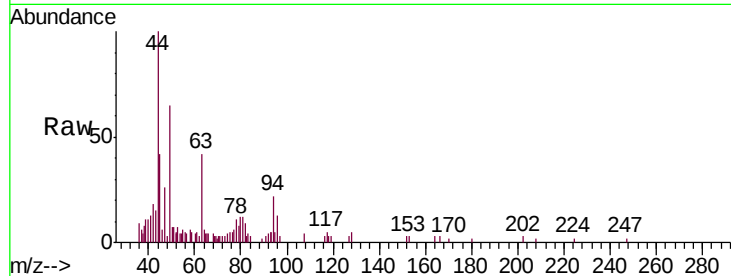
Z3-0683

Tgt Ion: 94 Resp: 826

Ion Ratio Lower Upper

94 100

96 57.4 74.6 112.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX011299.D

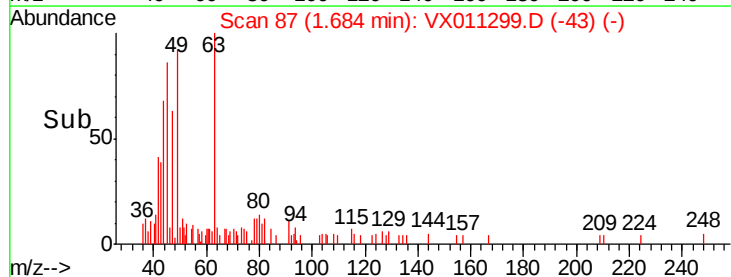
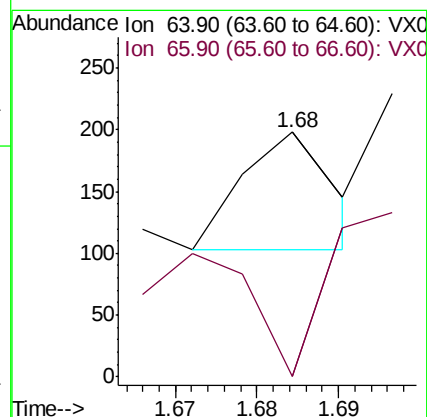
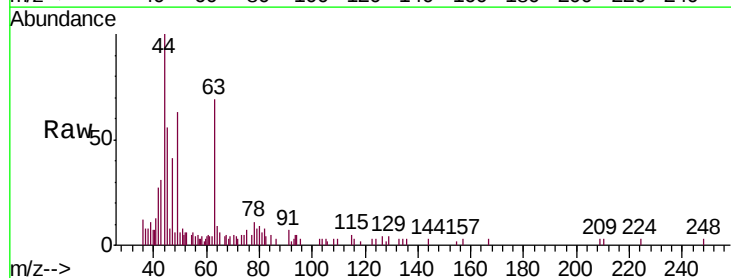
Acq: 02 Aug 2019 13:00

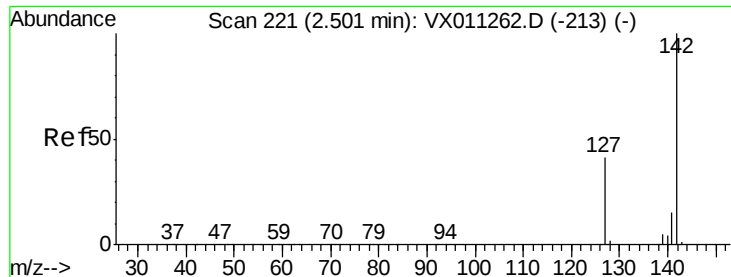
Tgt Ion: 64 Resp: 72

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

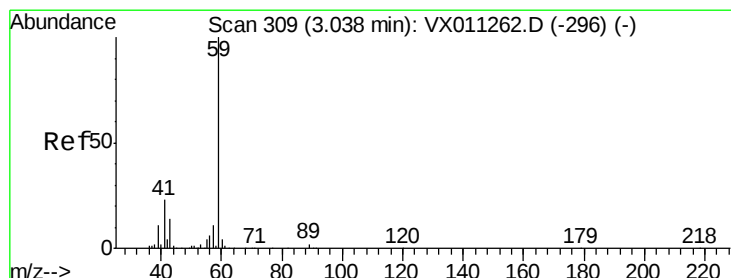
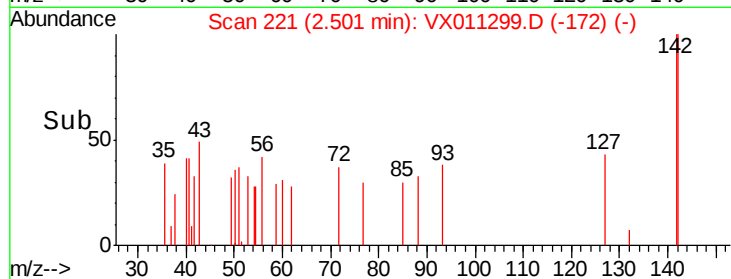
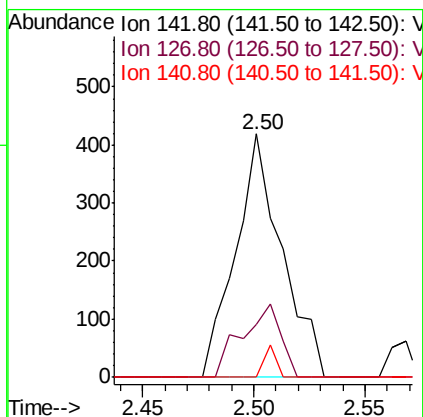
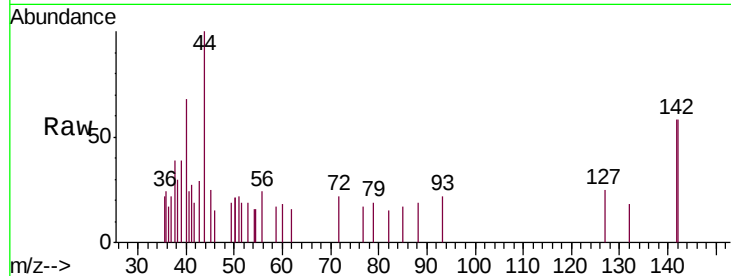




#10
Methyl Iodide
Concen: 0.383 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011299.D
Acq: 02 Aug 2019 13:00

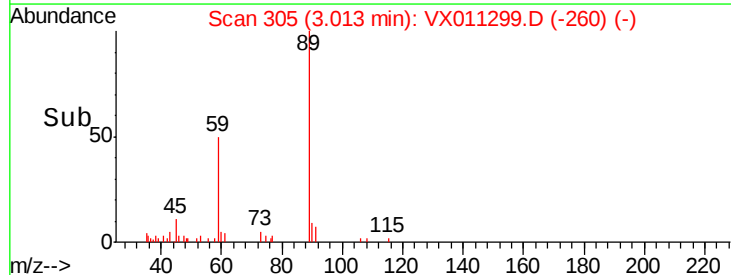
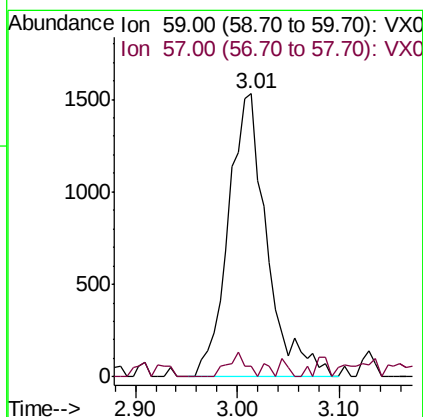
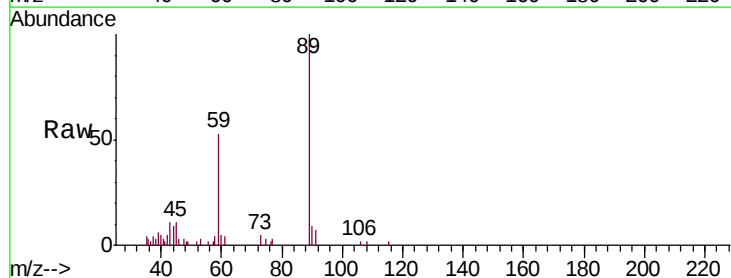
Instrument :
MSVOA_N
ClientSampled :
Z3-0683

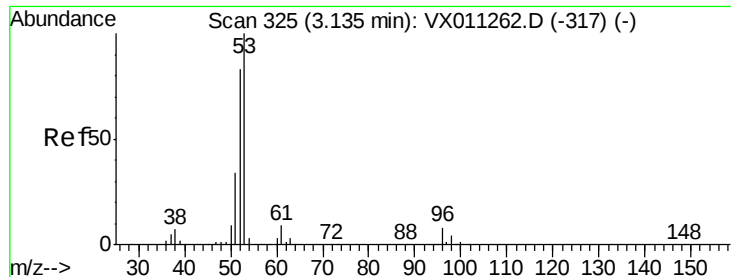
Tgt Ion:142 Resp: 606
Ion Ratio Lower Upper
142 100
127 25.2 33.8 50.8#
141 3.3 11.4 17.2#



#11
Tert butyl alcohol
Concen: 14.643 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011299.D
Acq: 02 Aug 2019 13:00

Tgt Ion: 59 Resp: 4011
Ion Ratio Lower Upper
59 100
57 1.2 8.3 12.5#





#15

Acrylonitrile

Concen: 0.269 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011299.D

Acq: 02 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampled :

Z3-0683

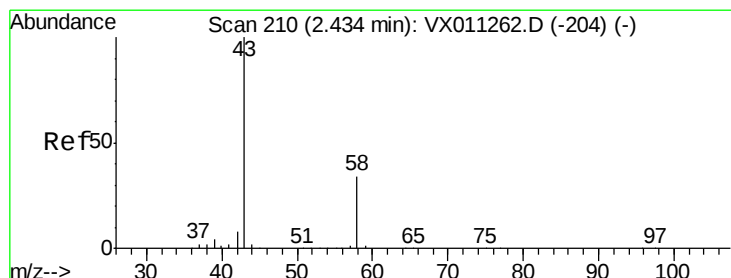
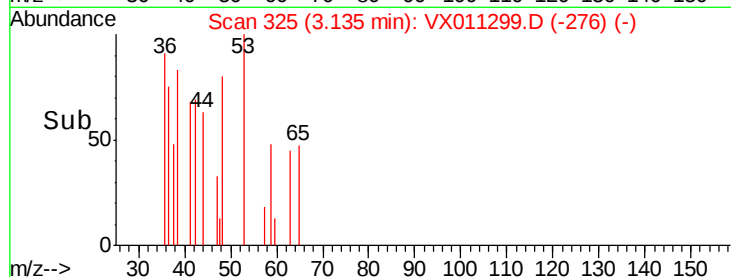
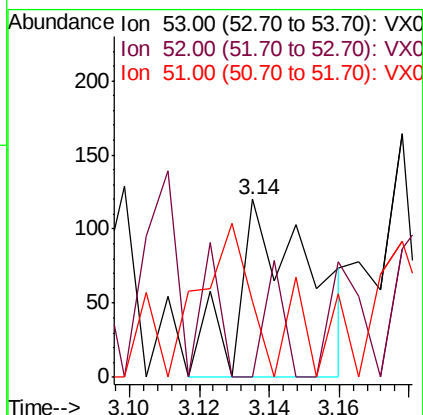
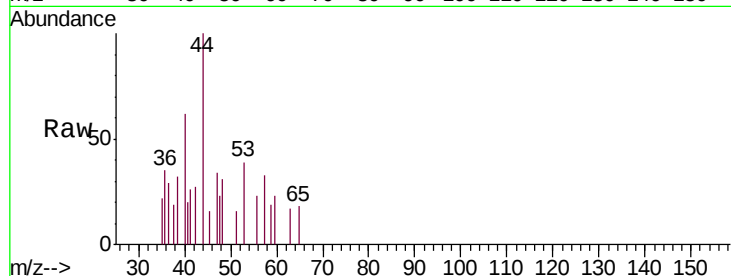
Tgt Ion: 53 Resp: 176

Ion Ratio Lower Upper

53 100

52 16.5 65.5 98.3#

51 14.2 27.9 41.9#



#16

Acetone

Concen: 0.745 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX011299.D

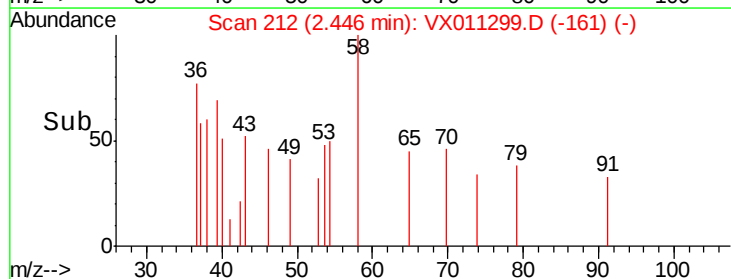
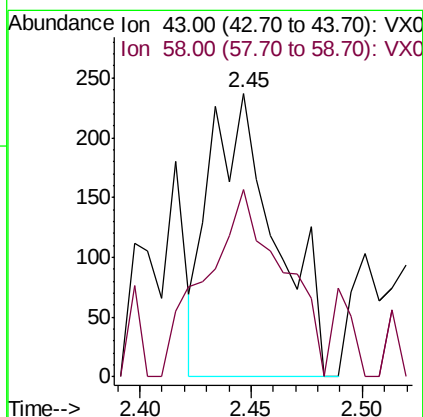
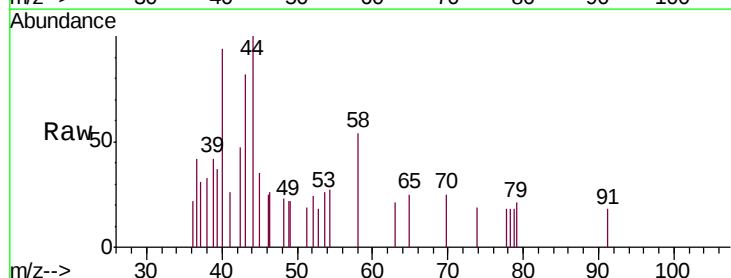
Acq: 02 Aug 2019 13:00

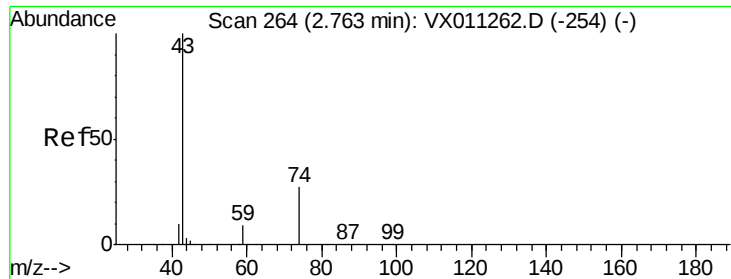
Tgt Ion: 43 Resp: 488

Ion Ratio Lower Upper

43 100

58 35.0 27.4 41.0

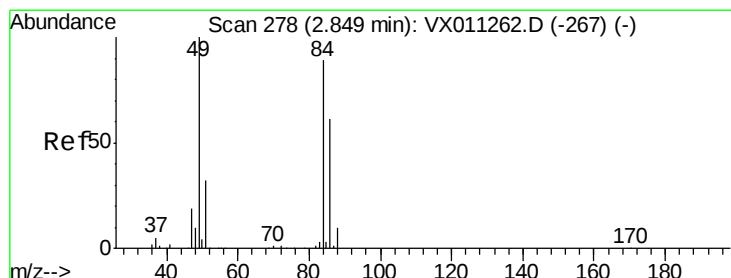
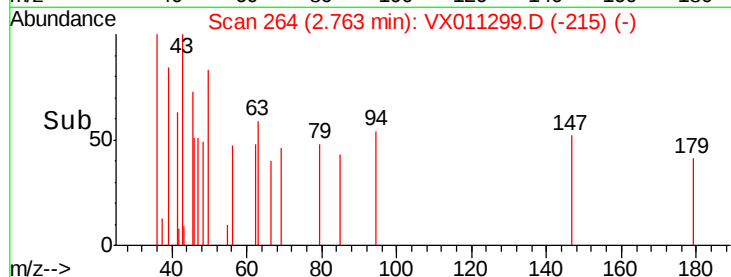
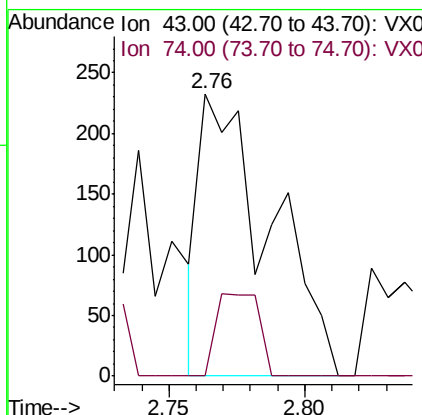
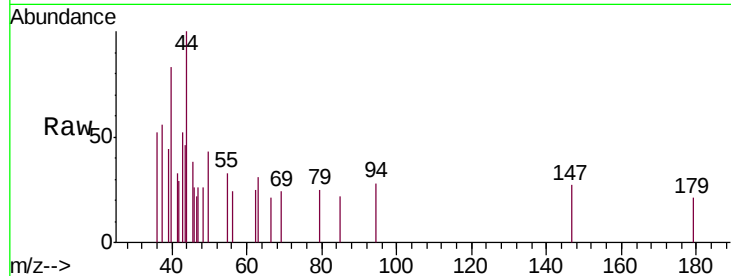




#18
Methyl Acetate
Concen: 0.279 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011299.D
Acq: 02 Aug 2019 13:00

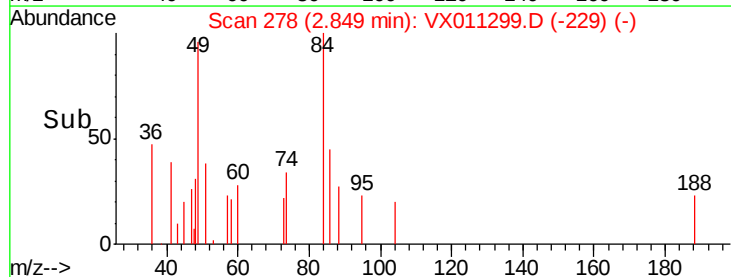
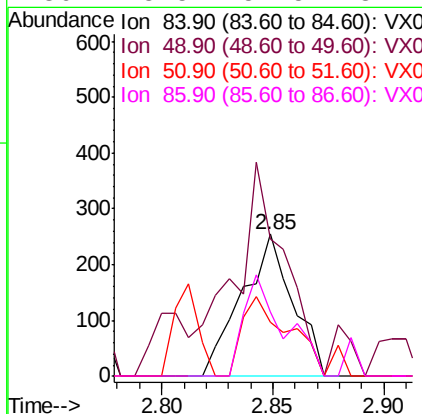
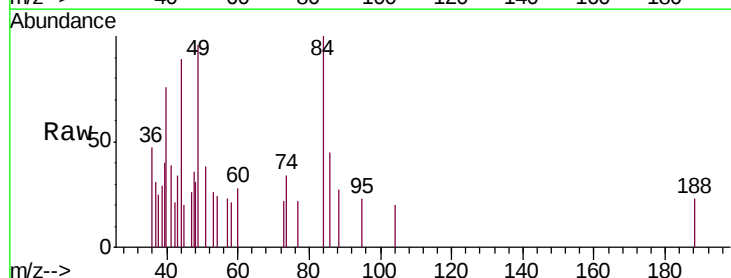
Instrument :
MSVOA_N
ClientSampled :
Z3-0683

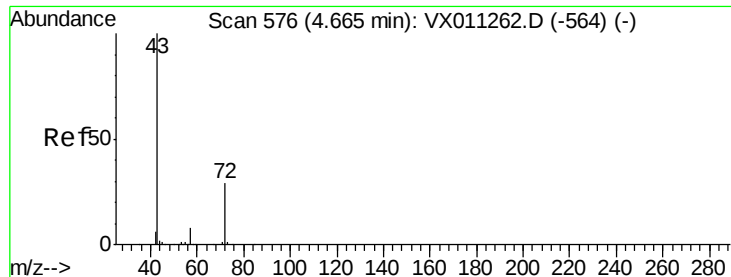
Tgt Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
74 17.7 21.0 31.6#



#20
Methylene Chloride
Concen: 0.284 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011299.D
Acq: 02 Aug 2019 13:00

Tgt Ion: 84 Resp: 407
Ion Ratio Lower Upper
84 100
49 69.0 89.3 133.9#
51 16.9 28.3 42.5#
86 45.5 54.5 81.7#





#25

2-Butanone

Concen: 0.265 ug/l

RT: 4.65 min Scan# 574

Delta R.T. -0.01 min

Lab File: VX011299.D

Acq: 02 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampled :

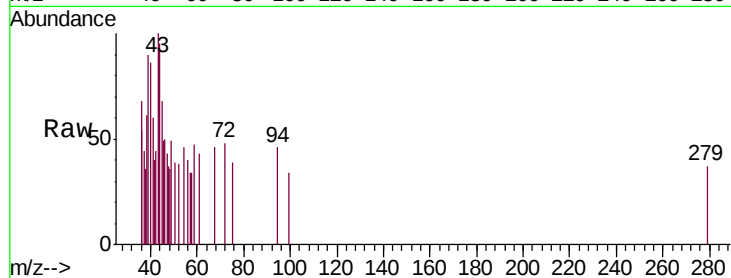
Z3-0683

Tgt Ion: 43 Resp: 247

Ion Ratio Lower Upper

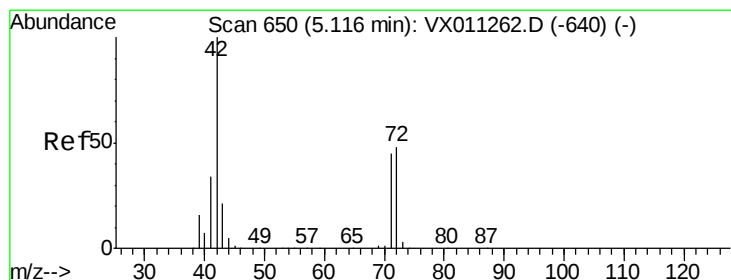
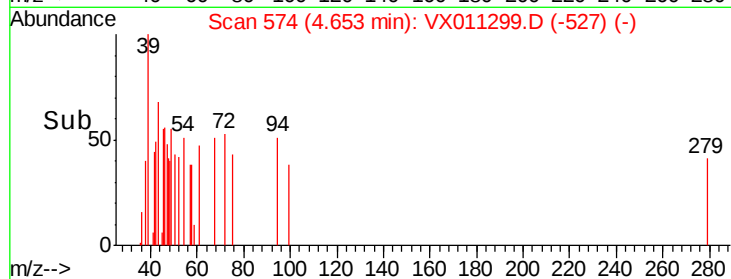
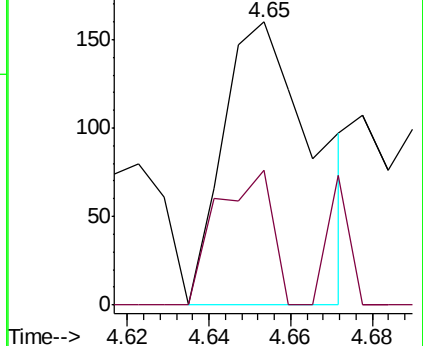
43 100

72 47.5 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: 0.245 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.01 min

Lab File: VX011299.D

Acq: 02 Aug 2019 13:00

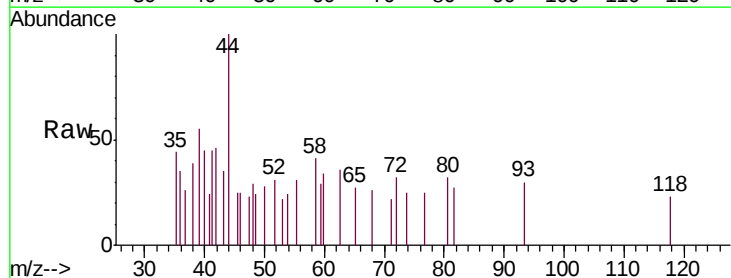
Tgt Ion: 42 Resp: 140

Ion Ratio Lower Upper

42 100

72 37.9 39.9 59.9#

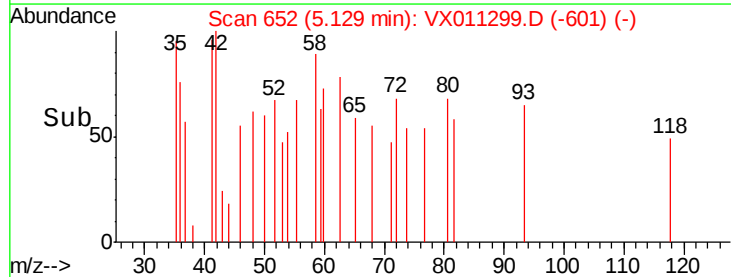
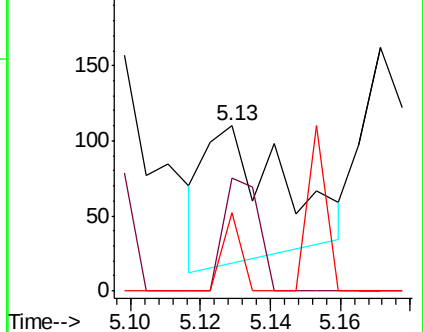
71 13.6 36.9 55.3#

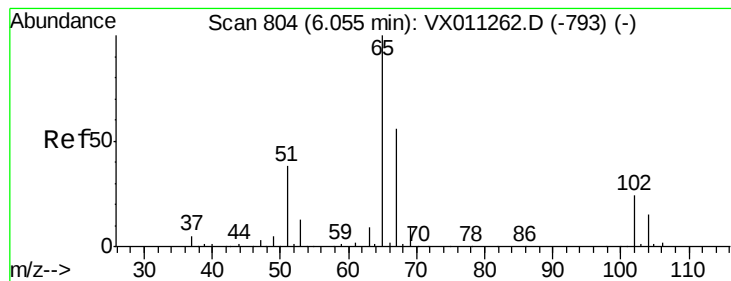


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.708 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011299.D

Acq: 02 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

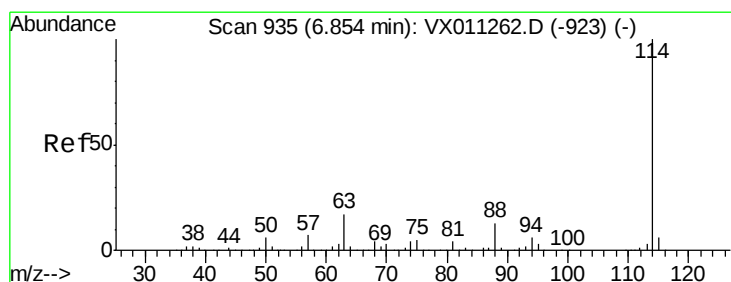
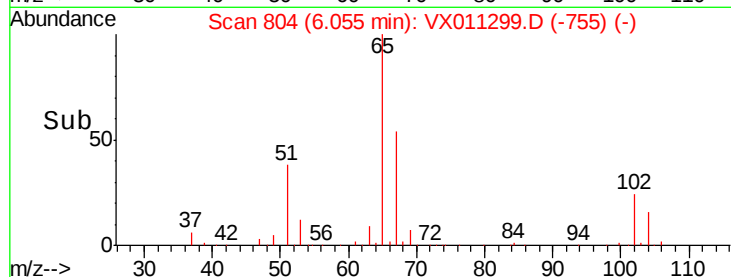
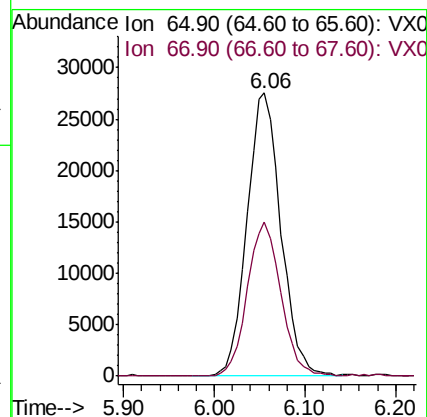
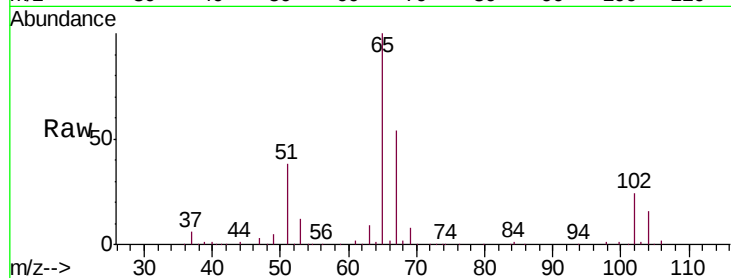
Z3-0683

Tgt Ion: 65 Resp: 71136

Ion Ratio Lower Upper

65 100

67 54.0 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: VX011299.D

Acq: 02 Aug 2019 13:00

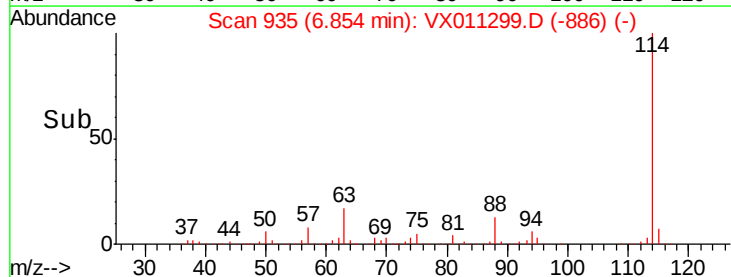
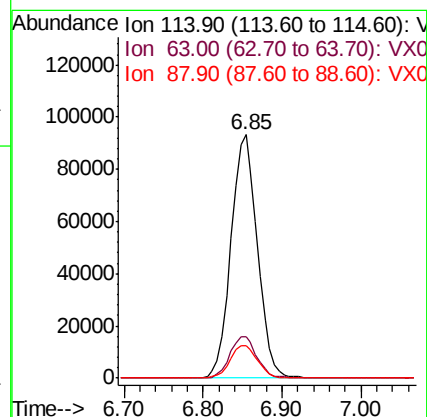
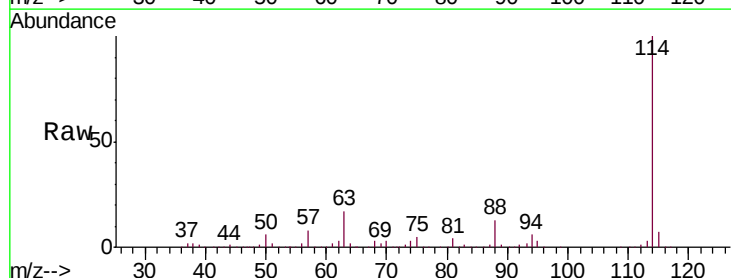
Tgt Ion: 114 Resp: 217115

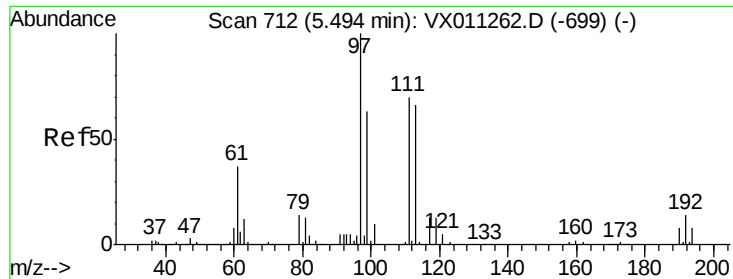
Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.0

88 13.3 0.0 26.4

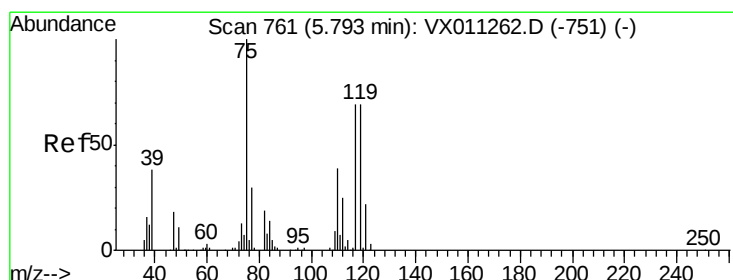
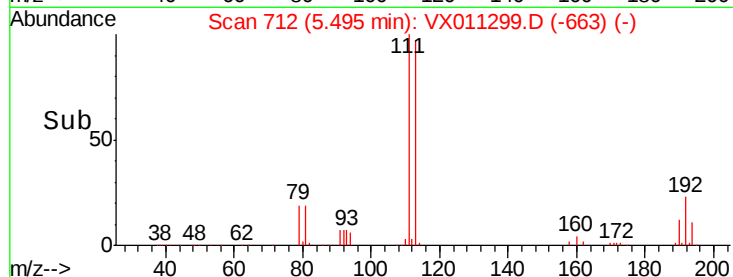
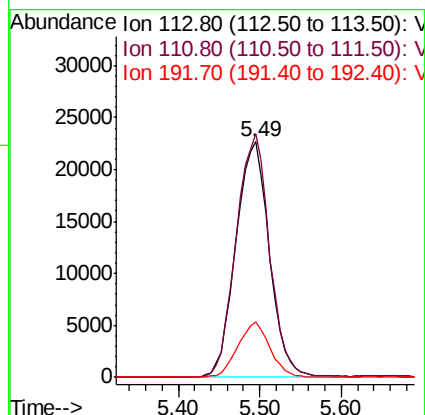
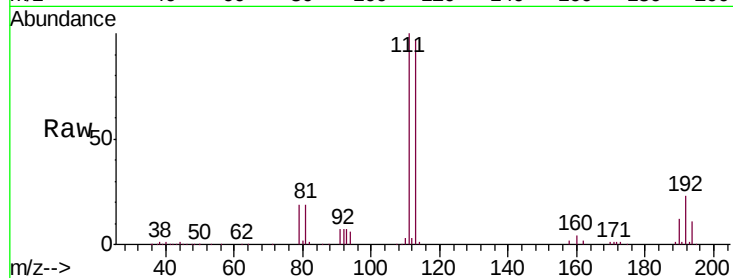




#35
 Dibromofluoromethane
 Concen: 45.659 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011299.D
 Acq: 02 Aug 2019 13:00

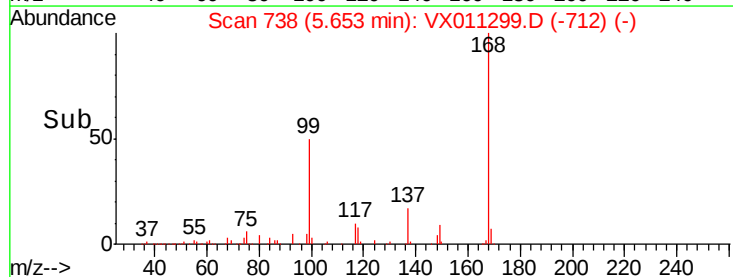
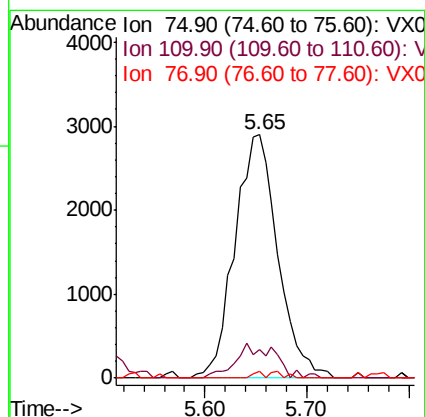
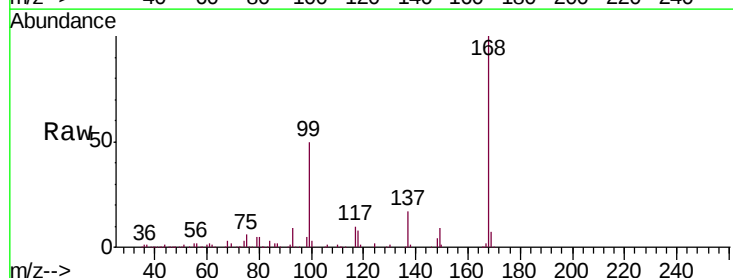
Instrument :
 MSVOA_N
 ClientSampled :
 Z3-0683

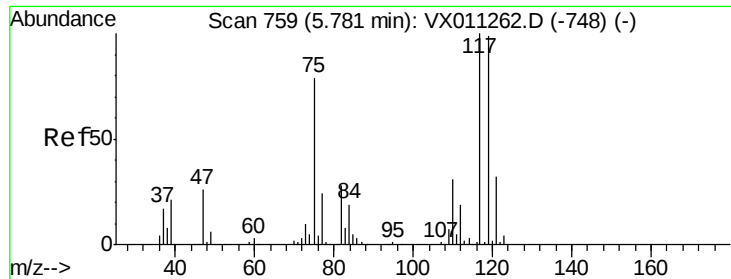
Tgt Ion:113 Resp: 64721
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.9 122.9
 192 22.3 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.478 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011299.D
 Acq: 02 Aug 2019 13:00

Tgt Ion: 75 Resp: 8488
 Ion Ratio Lower Upper
 75 100
 110 12.8 20.0 59.9#
 77 0.5 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.445 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011299.D

Acq: 02 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

Z3-0683

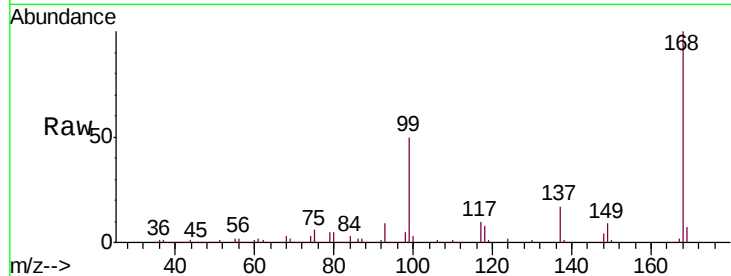
Tgt Ion:117 Resp: 12291

Ion Ratio Lower Upper

117 100

119 5.9 79.0 118.4#

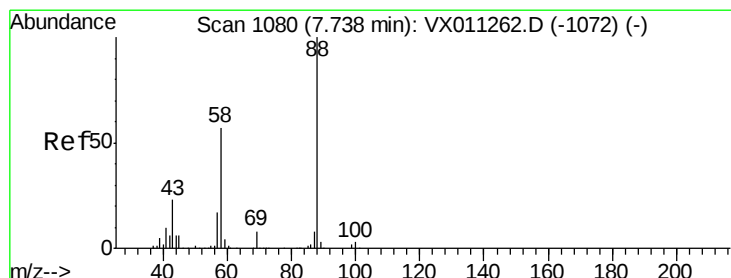
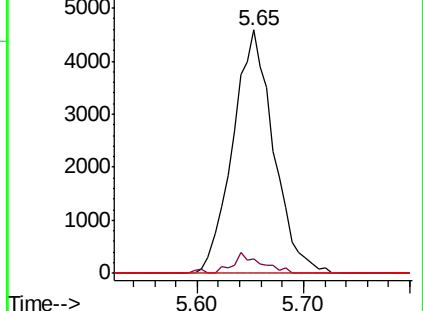
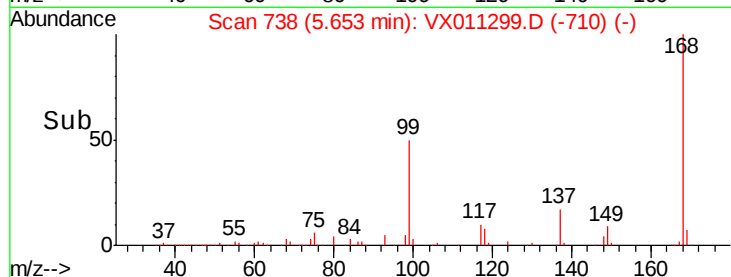
121 0.0 25.9 38.9#



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



#49

1,4-Dioxane

Concen: 1.085 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.08 min

Lab File: VX011299.D

Acq: 02 Aug 2019 13:00

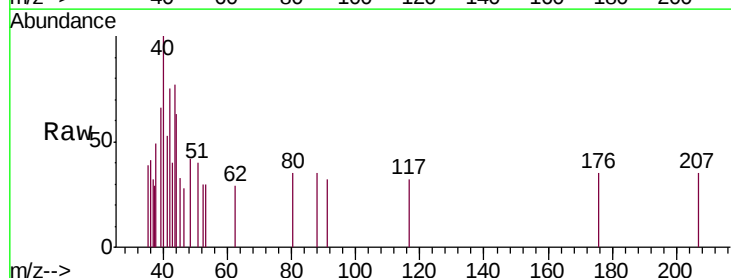
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 433.3 22.2 33.2#

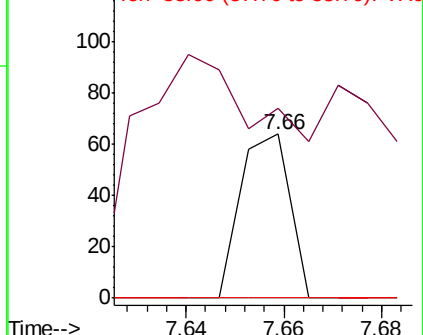
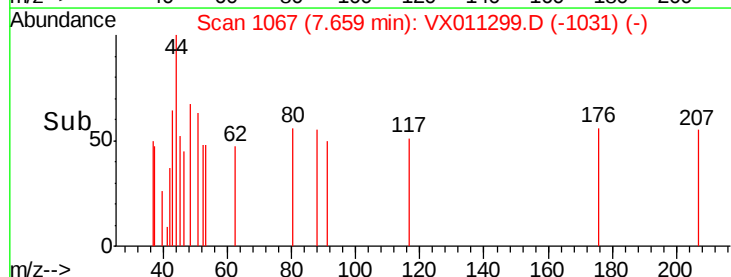
58 0.0 47.8 71.8#

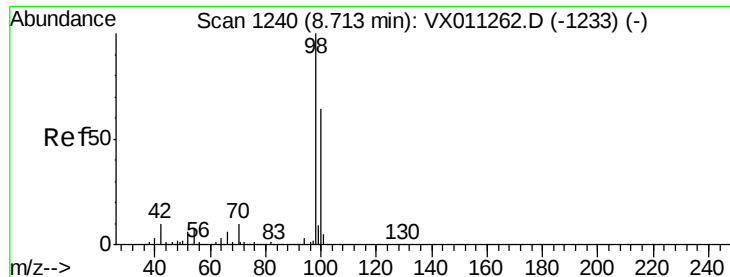


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.992 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011299.D

Acq: 02 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

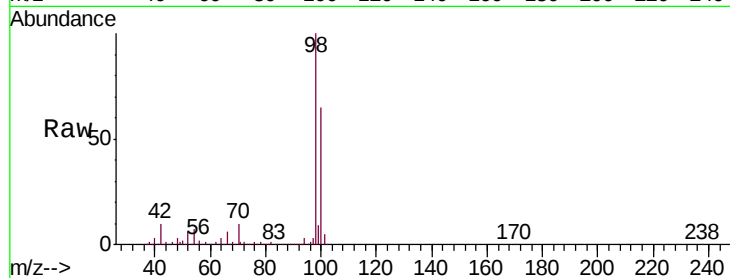
Z3-0683

Tgt Ion: 98 Resp: 262137

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX011262.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX011262.D (-1233) (-)

8.71

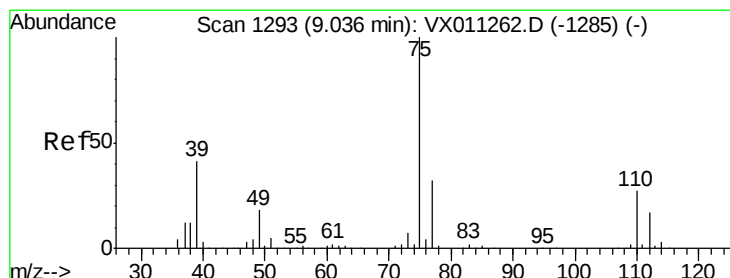
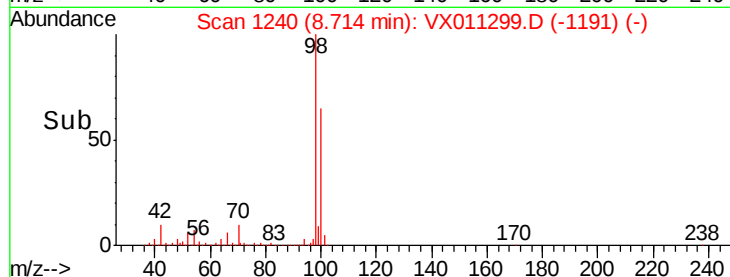
150000

100000

50000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.858 ug/l

RT: 9.05 min Scan# 1296

Delta R.T. 0.02 min

Lab File: VX011299.D

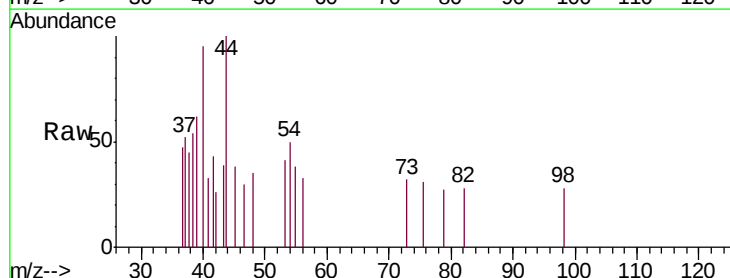
Acq: 02 Aug 2019 13:00

Tgt Ion: 75 Resp: 44

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX011262.D (-1285) (-)

Ion 76.90 (76.60 to 77.60): VX011262.D (-1285) (-)

9.05

80

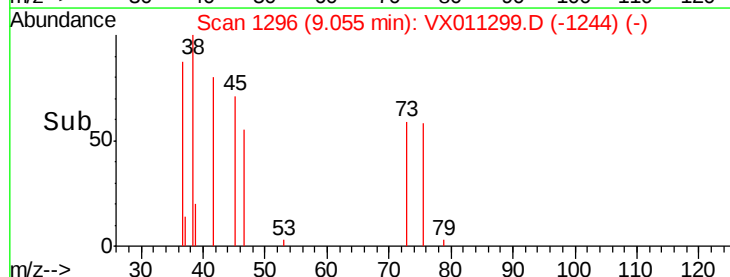
60

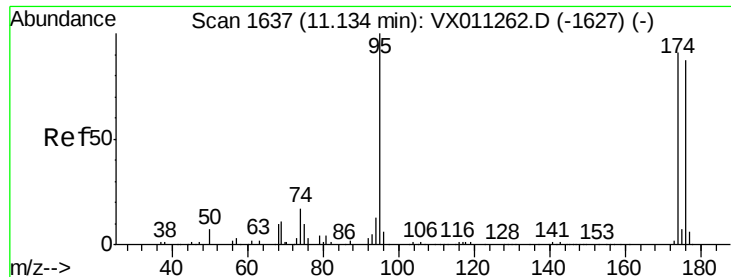
40

20

0

Time-->

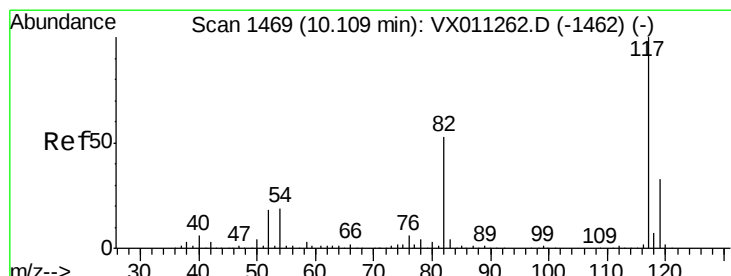
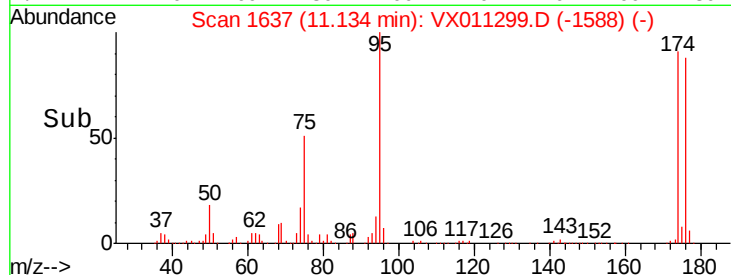
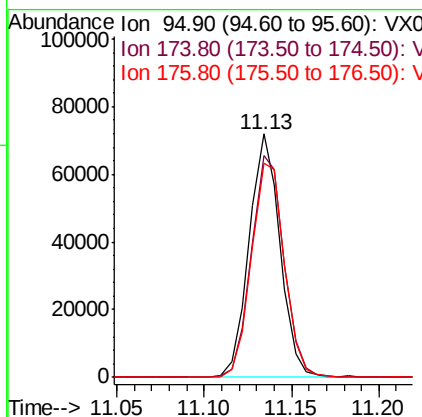
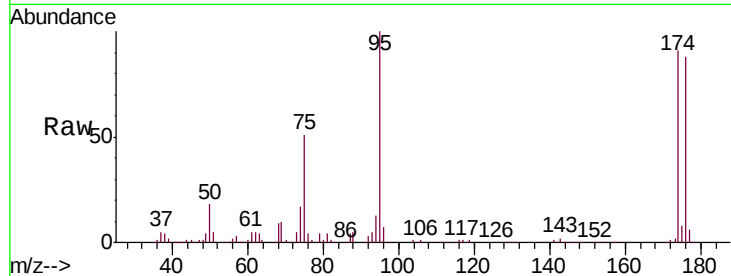




#62
4-Bromofluorobenzene
Concen: 46.229 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011299.D
Acq: 02 Aug 2019 13:00

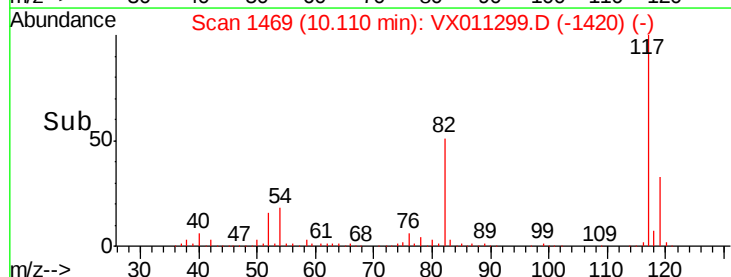
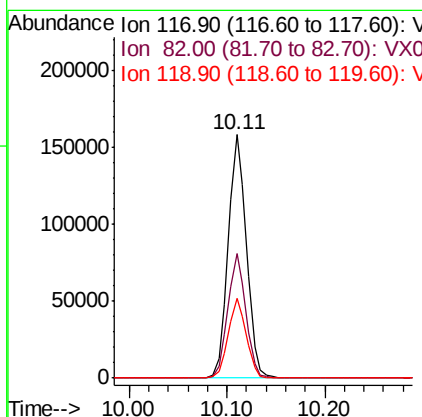
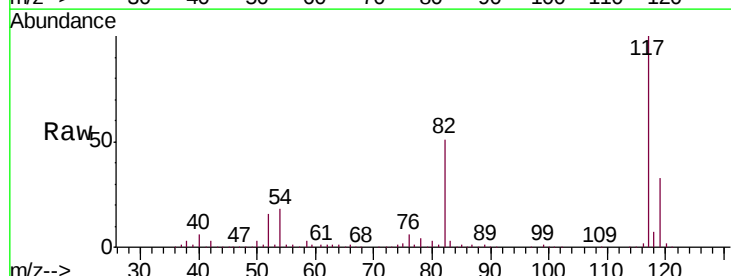
Instrument :
MSVOA_N
ClientSampleId :
Z3-0683

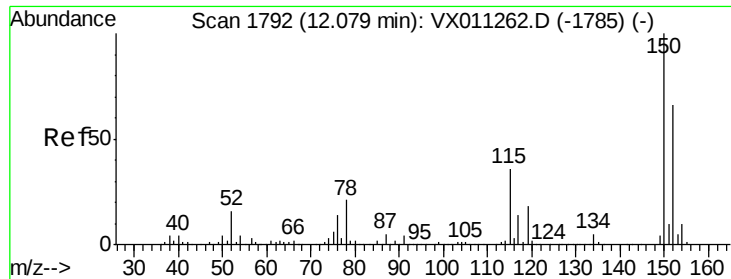
Tgt Ion: 95 Resp: 88313
Ion Ratio Lower Upper
95 100
174 96.4 0.0 191.2
176 94.2 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011299.D
Acq: 02 Aug 2019 13:00

Tgt Ion: 117 Resp: 205158
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.2
119 32.5 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: VX011299.D

Acq: 02 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

Z3-0683

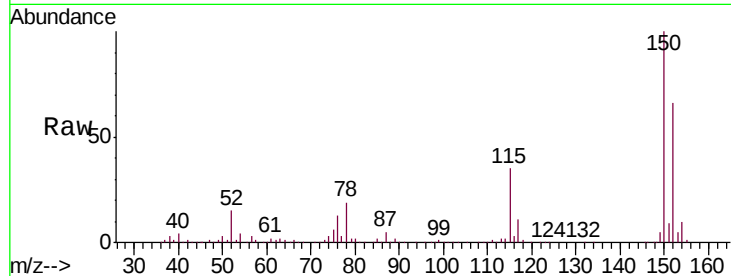
Tgt Ion:152 Resp: 96522

Ion Ratio Lower Upper

152 100

115 55.1 40.0 119.9

150 158.0 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

150000

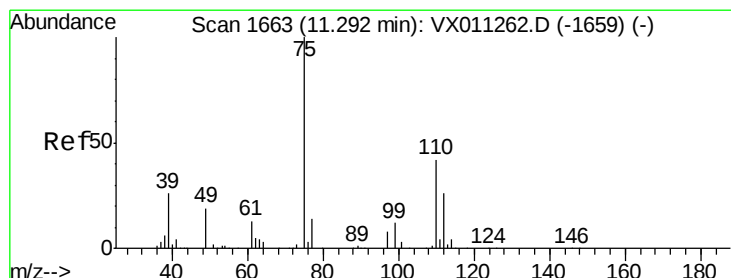
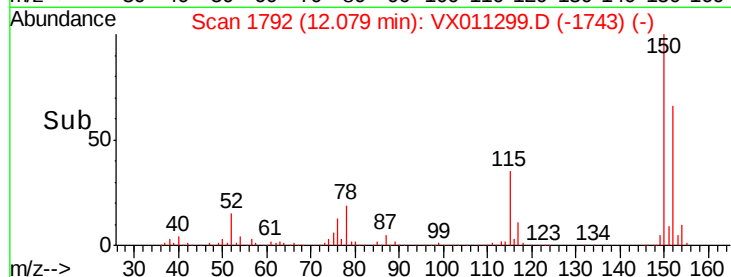
100000

50000

0

12.00 12.05 12.10

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.469 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011299.D

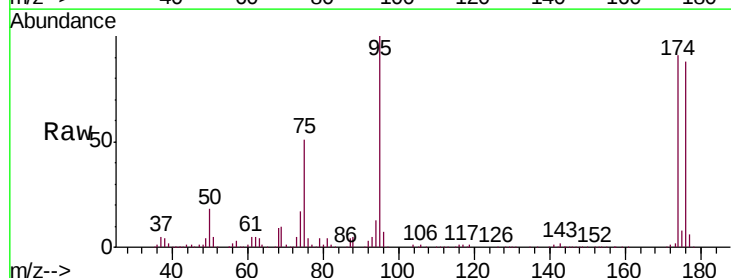
Acq: 02 Aug 2019 13:00

Tgt Ion: 75 Resp: 44769

Ion Ratio Lower Upper

75 100

77 1.6 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

40000

30000

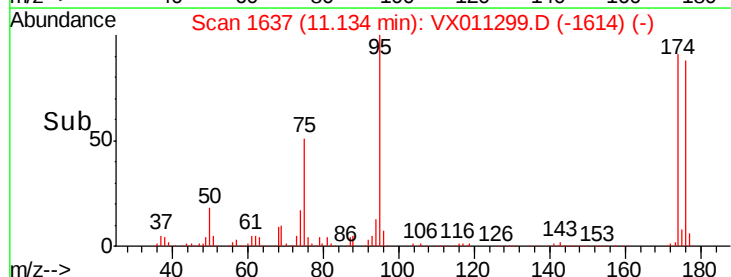
20000

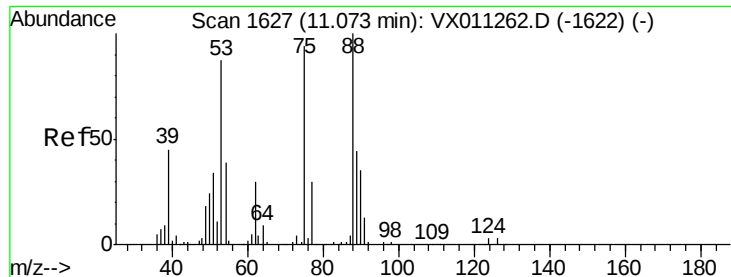
10000

0

11.05 11.10 11.15 11.20

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 66.379 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011299.D

Acq: 02 Aug 2019 13:00

Instrument :

MSVOA_N

ClientSampleId :

Z3-0683

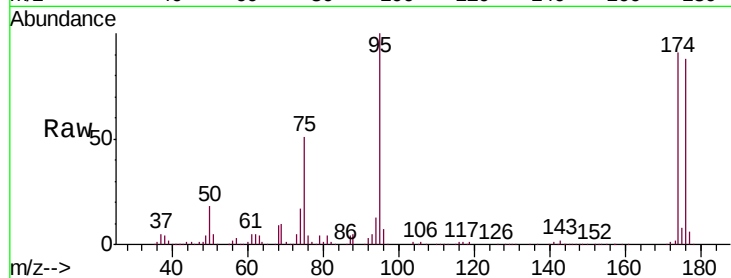
Tgt Ion: 75 Resp: 44769

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.4#

89 0.2 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

