

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012819\
 Data File : VX007259.D
 Acq On : 28 Jan 2019 14:39
 Operator : JC/SP
 Sample : VX0128MBL01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128MBL01

Quant Time: Jan 29 00:17:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	549927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	831158	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	791946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	392487	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	290080	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
35) Dibromofluoromethane	5.50	113	261227	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	8.71	98	1000487	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	11.13	95	363115	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	

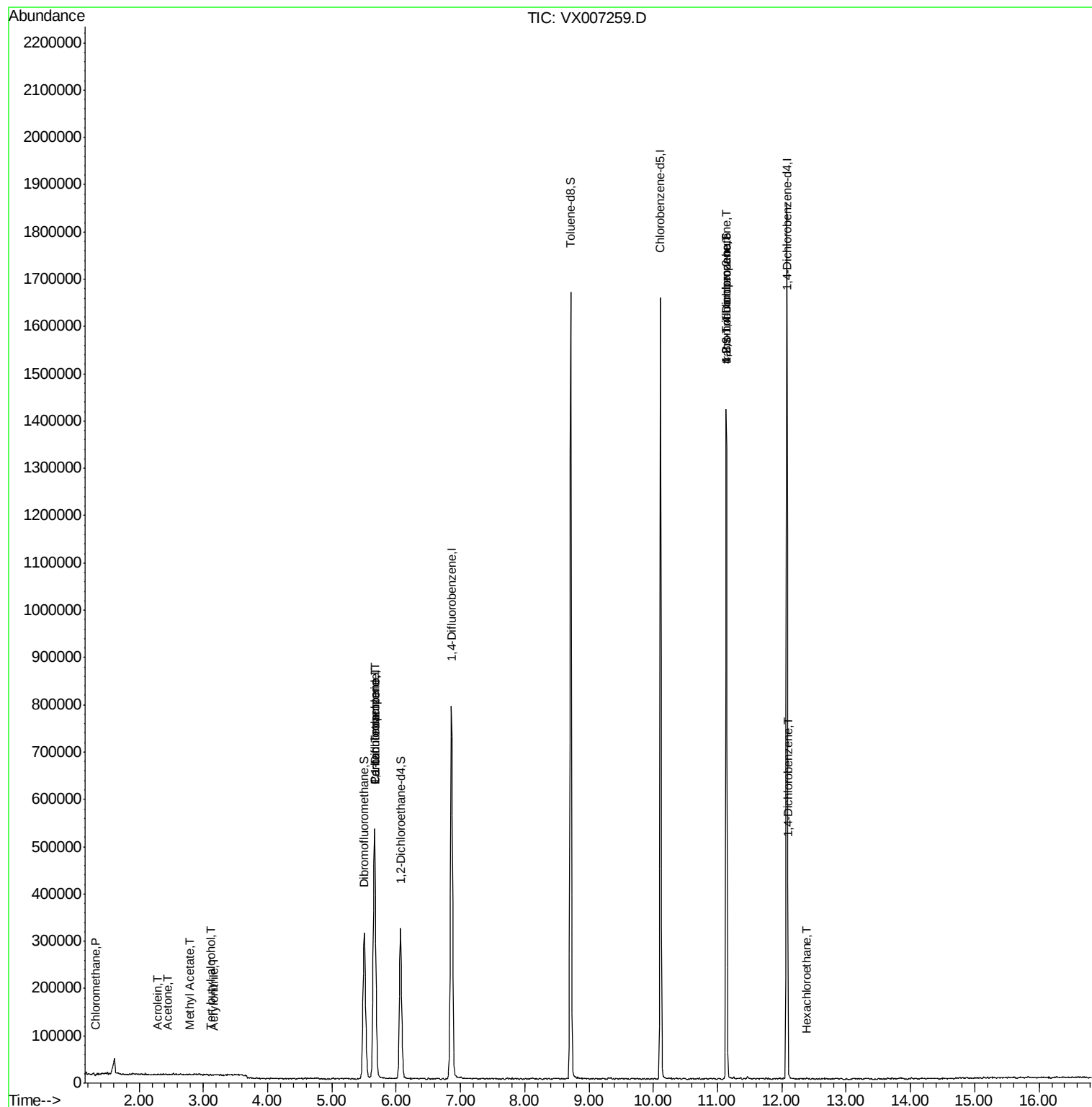
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1103	0.210	ug/l #	82
11) Tert butyl alcohol	3.11	59	330	0.243	ug/l #	61
13) Acrolein	2.29	56	422	3.797	ug/l #	42
15) Acrylonitrile	3.16	53	1012	0.325	ug/l #	75
16) Acetone	2.44	43	1456	0.512	ug/l	94
18) Methyl Acetate	2.78	43	2092	0.254	ug/l	97
20) Methylene Chloride	2.85	84	1757	Below Cal	#	88
36) 1,1-Dichloropropene	5.67	75	34385	4.758	ug/l #	48
38) Carbon Tetrachloride	5.66	117	48577	6.681	ug/l #	16
49) 1,4-Dioxane	7.76	88	114	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	170956	21.494	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	170956	63.742	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	952	0.218	ug/l #	1
90) Hexachloroethane	12.40	117	124	2.938	ug/l	65

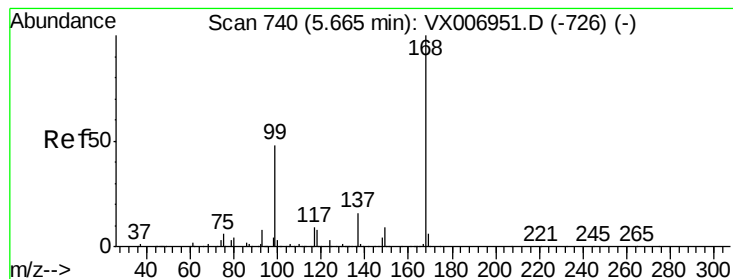
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012819\
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Acq On : 28 Jan 2019 14:39
Operator : JC/SP
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Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0128MBL01

Quant Time: Jan 29 00:17:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007259.D

Acq: 28 Jan 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

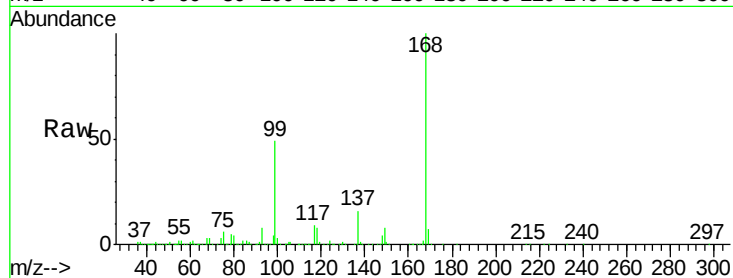
VX0128MBL01

Tot Ion:168 Resp: 549927

Ion Ratio Lower Upper

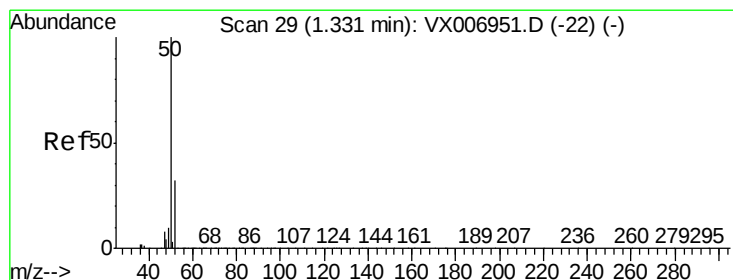
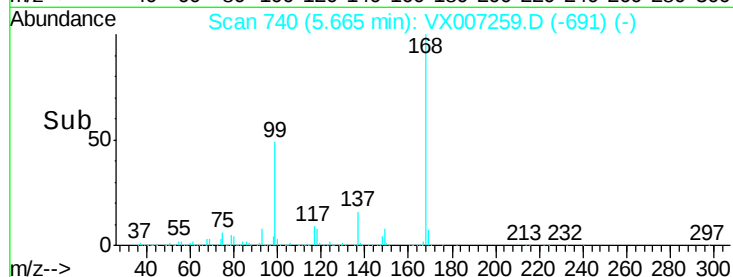
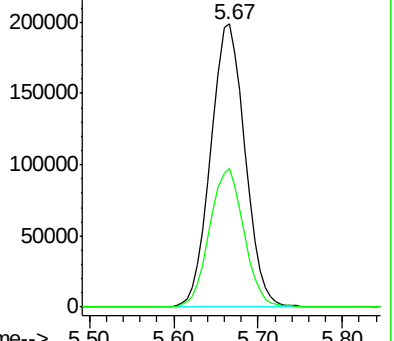
168 100

99 49.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007259.D

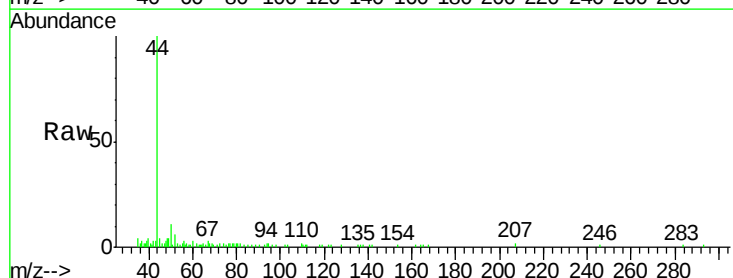
Acq: 28 Jan 2019 14:39

Tgt Ion: 50 Resp: 1103

Ion Ratio Lower Upper

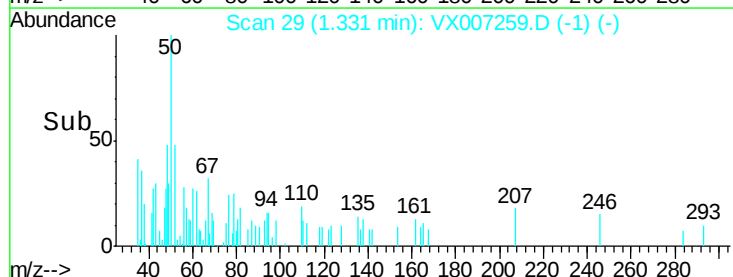
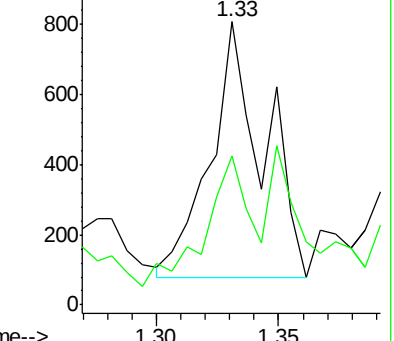
50 100

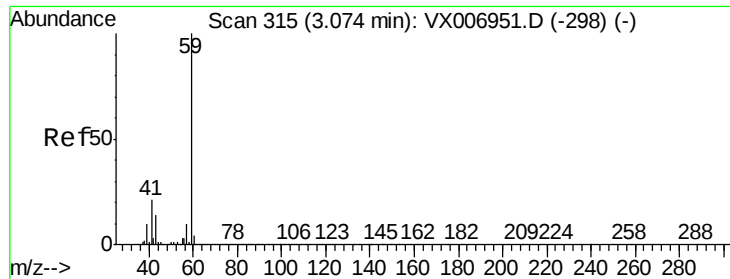
52 42.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



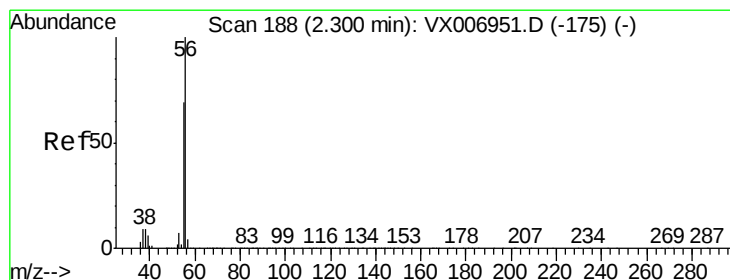
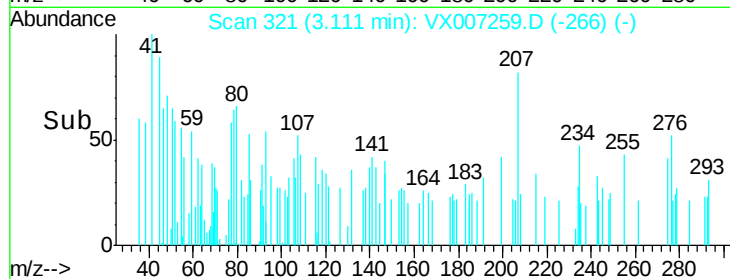
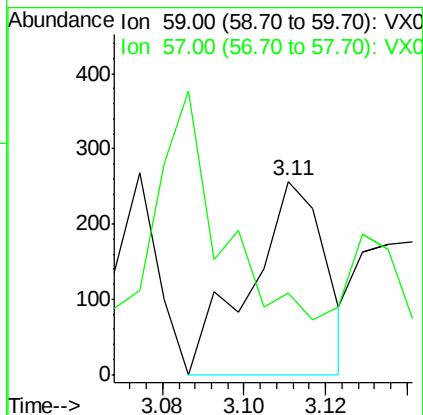
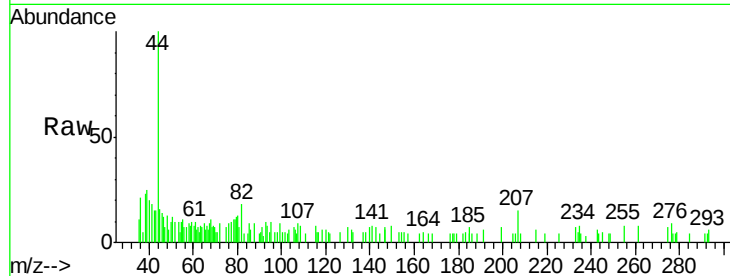


#11

Tert butyl alcohol
 Concen: 0.243 ug/l
 RT: 3.11 min Scan# 321
 Delta R.T. 0.04 min
 Lab File: VX007259.D
 Acq: 28 Jan 2019 14:39

Instrument :
 MSVOA_X
 ClientSampled :
 VX0128MBL01

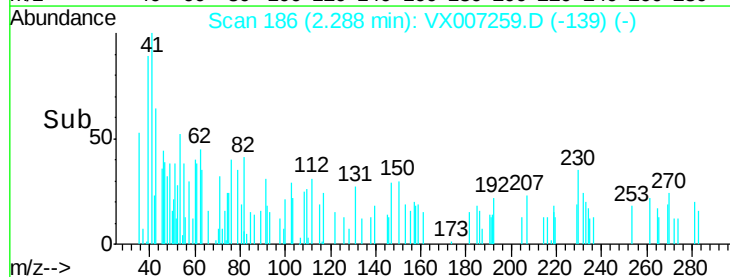
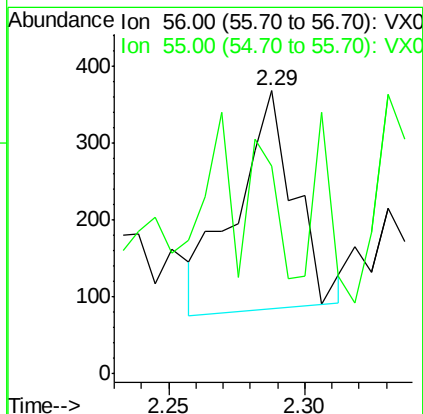
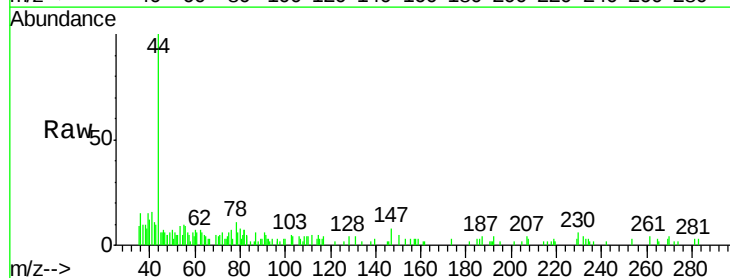
Tot Ion: 59 Resp: 330
 Ion Ratio Lower Upper
 59 100
 57 25.2 8.5 12.7#

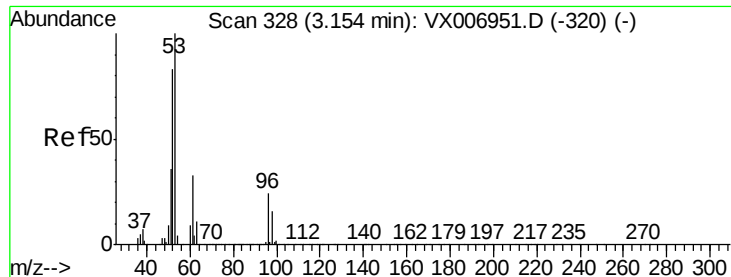


#13

Acrolein
 Concen: 3.797 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX007259.D
 Acq: 28 Jan 2019 14:39

Tgt Ion: 56 Resp: 422
 Ion Ratio Lower Upper
 56 100
 55 24.4 58.2 87.4#





#15

Acrylonitrile

Concen: 0.325 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007259.D

Acq: 28 Jan 2019 14:39

Instrument :

MSVOA_X

ClientSampled :

VX0128MBL01

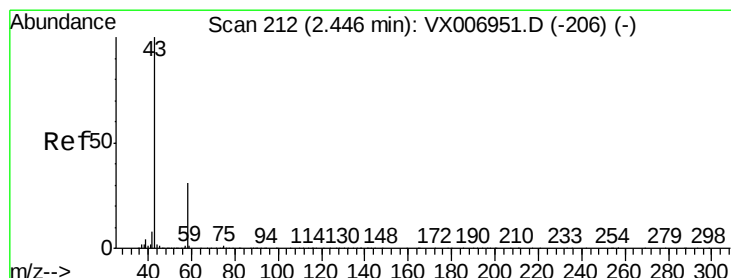
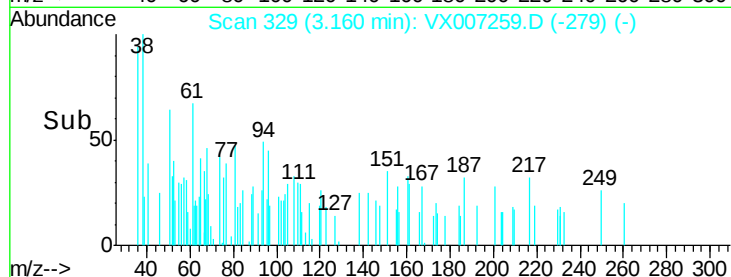
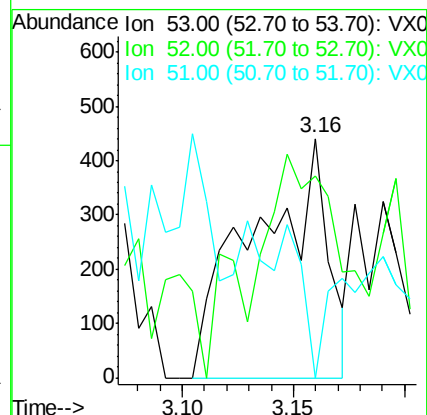
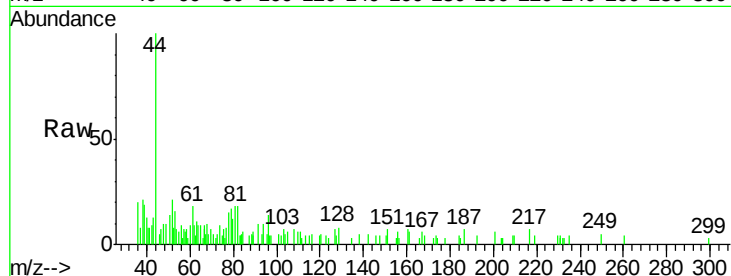
Tot Ion: 53 Resp: 1012

Ion Ratio Lower Upper

53 100

52 74.4 66.0 99.0

51 0.0 28.6 42.8#



#16

Acetone

Concen: 0.512 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX007259.D

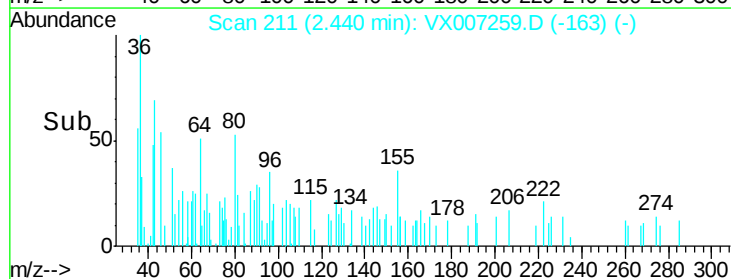
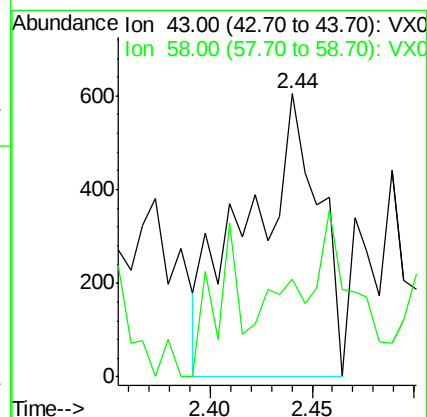
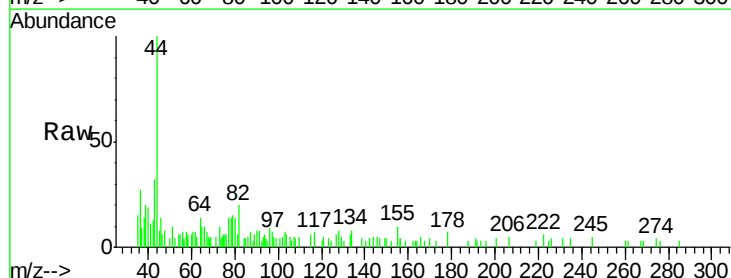
Acq: 28 Jan 2019 14:39

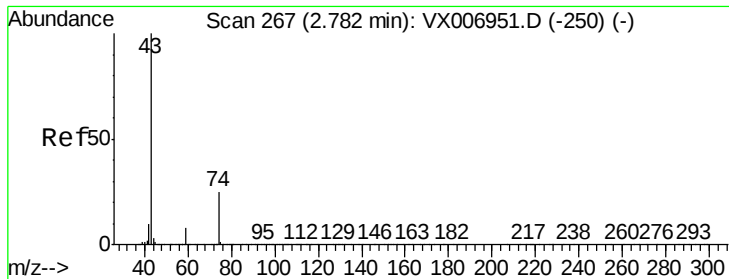
Tgt Ion: 43 Resp: 1456

Ion Ratio Lower Upper

43 100

58 34.8 25.0 37.6

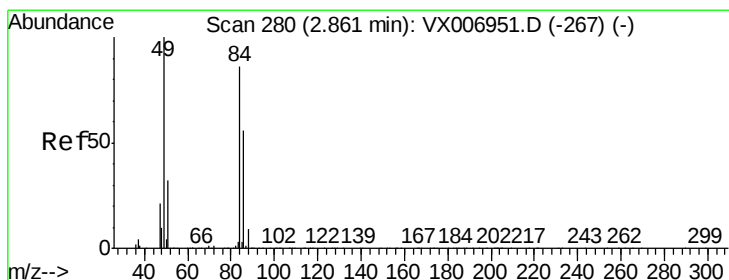
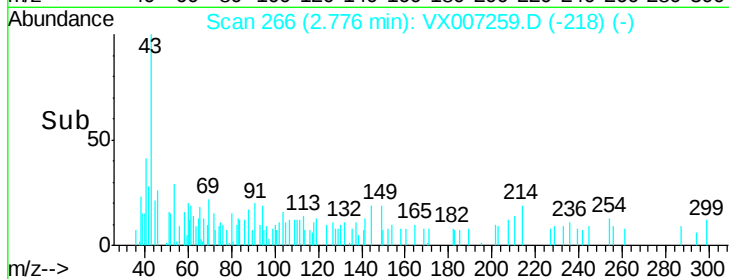
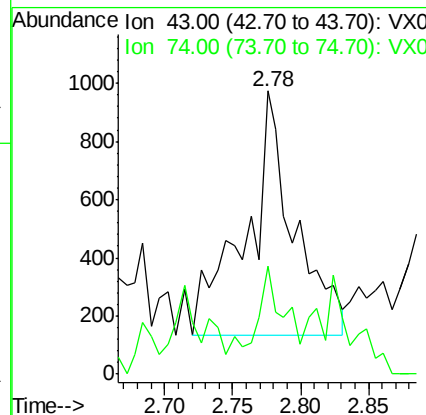
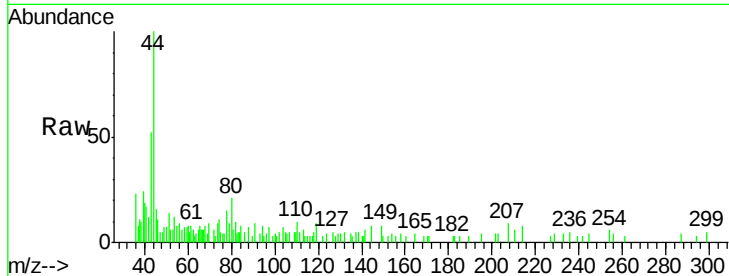




#18
Methyl Acetate
Concen: 0.254 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007259.D
Acq: 28 Jan 2019 14:39

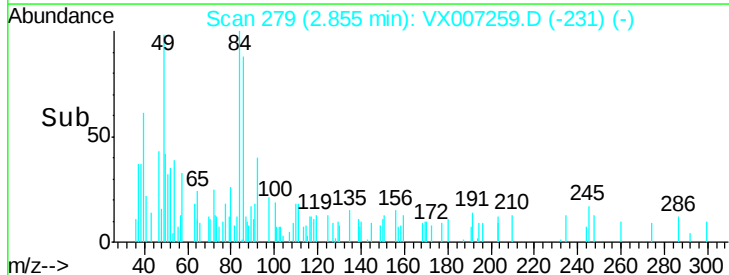
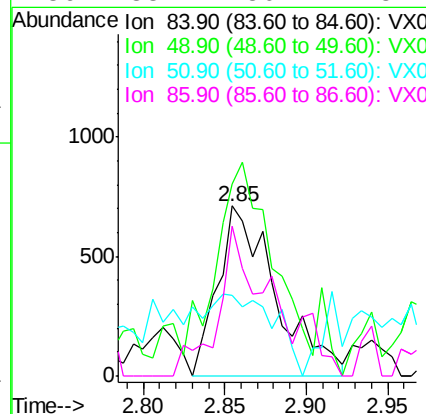
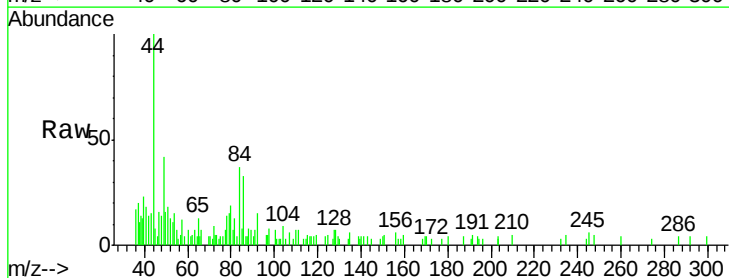
Instrument :
MSVOA_X
ClientSampled :
VX0128MBL01

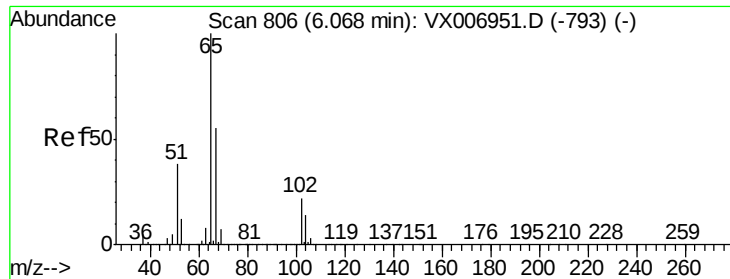
Tot Ion: 43 Resp: 2092
Ion Ratio Lower Upper
43 100
74 24.8 18.6 28.0



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007259.D
Acq: 28 Jan 2019 14:39

Tgt Ion: 84 Resp: 1757
Ion Ratio Lower Upper
84 100
49 112.5 91.8 137.6
51 30.5 28.5 42.7
86 88.1 50.2 75.2#





#33

1,2-Dichloroethane-d4

Concen: 50.473 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007259.D

Acq: 28 Jan 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

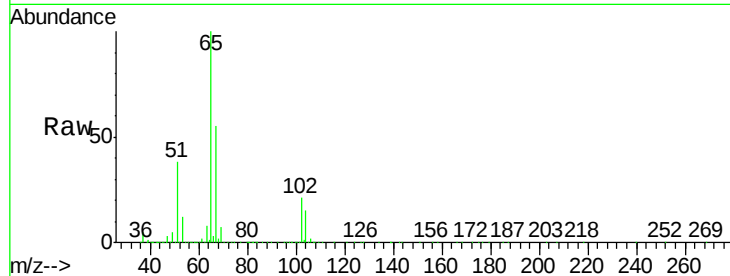
VX0128MBL01

Tot Ion: 65 Resp: 290080

Ion Ratio Lower Upper

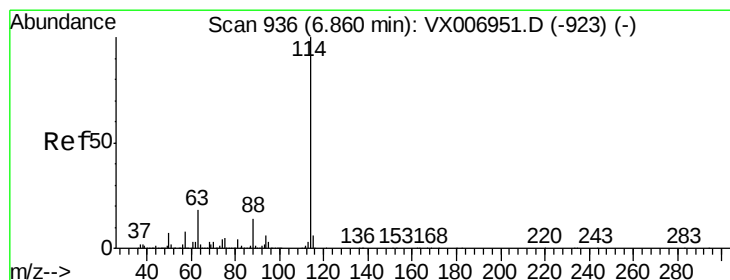
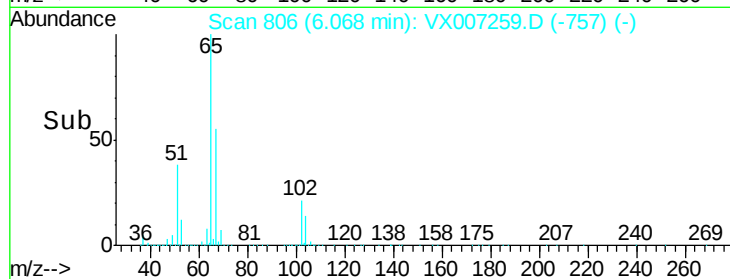
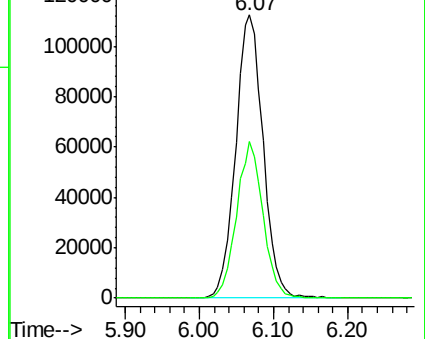
65 100

67 53.1 0.0 105.0



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007259.D

Acq: 28 Jan 2019 14:39

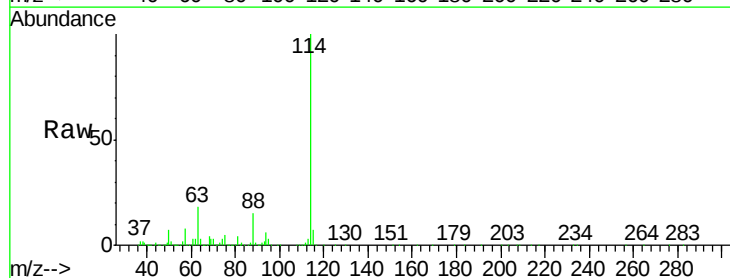
Tgt Ion: 114 Resp: 831158

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.8

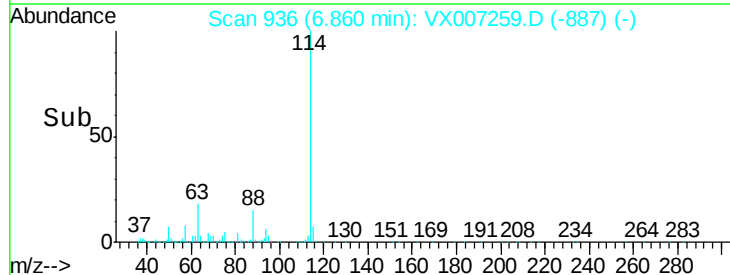
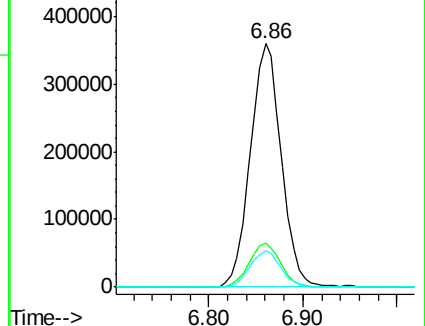
88 14.8 0.0 28.8

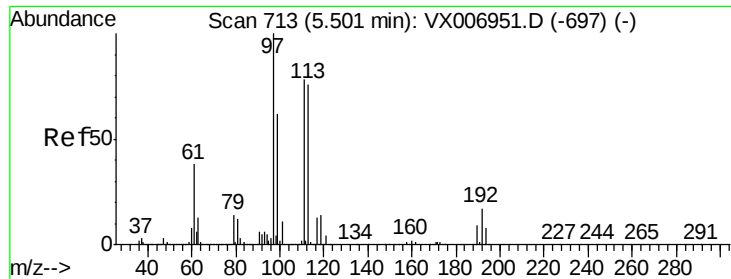


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.078 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007259.D

Acq: 28 Jan 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0128MBL01

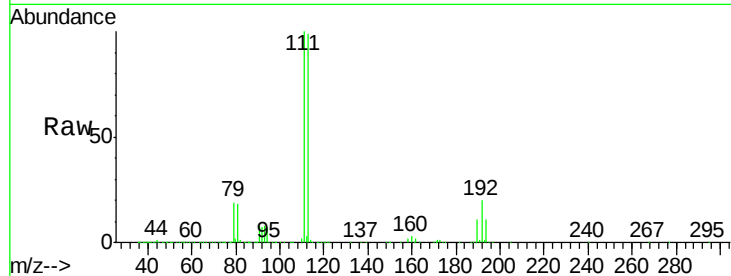
Tot Ion:113 Resp: 261227

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

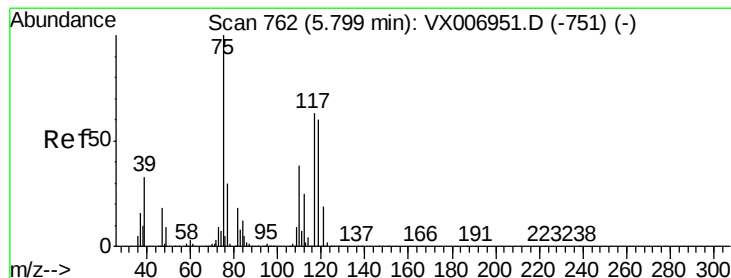
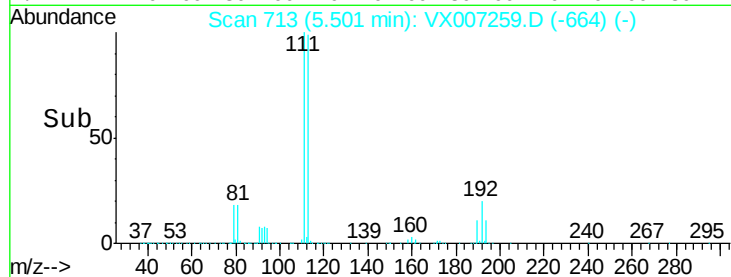
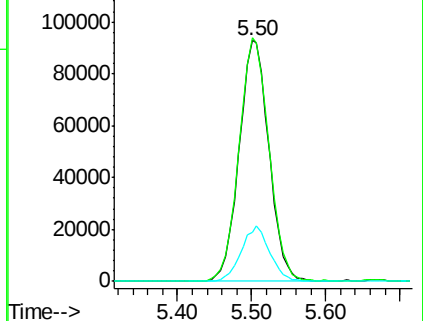
192 22.0 16.7 25.1



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: 4.758 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007259.D

Acq: 28 Jan 2019 14:39

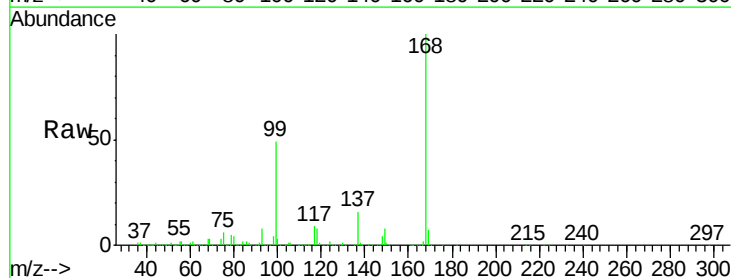
Tgt Ion: 75 Resp: 34385

Ion Ratio Lower Upper

75 100

110 10.2 20.2 60.5#

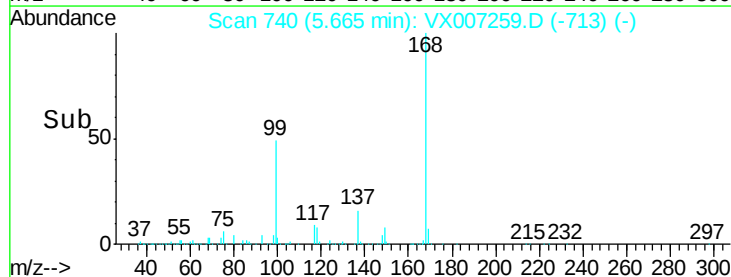
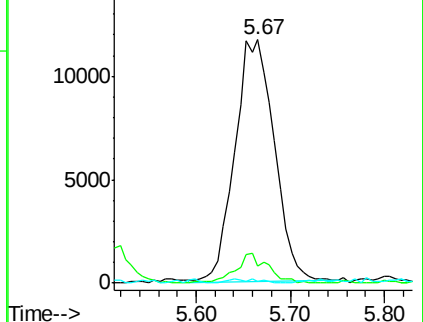
77 0.0 24.8 37.2#

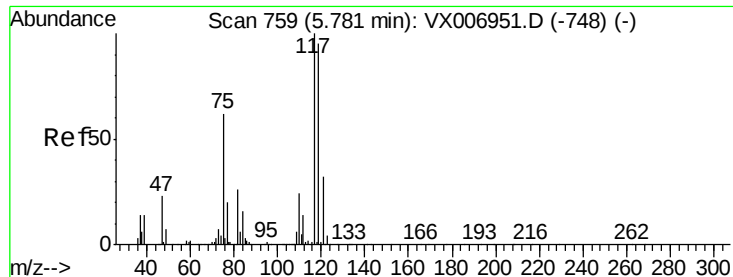


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.681 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007259.D

Acq: 28 Jan 2019 14:39

Instrument :

MSVOA_X

ClientSampled :

VX0128MBL01

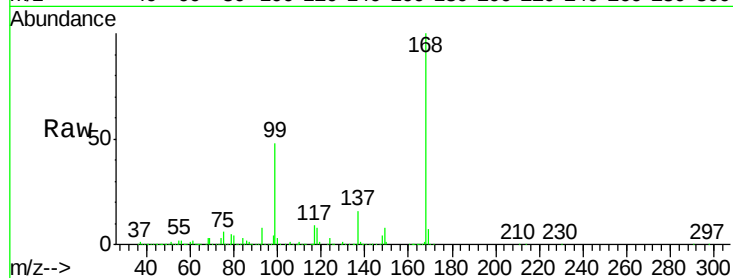
Tot Ion:117 Resp: 48577

Ion Ratio Lower Upper

117 100

119 7.0 79.4 119.2#

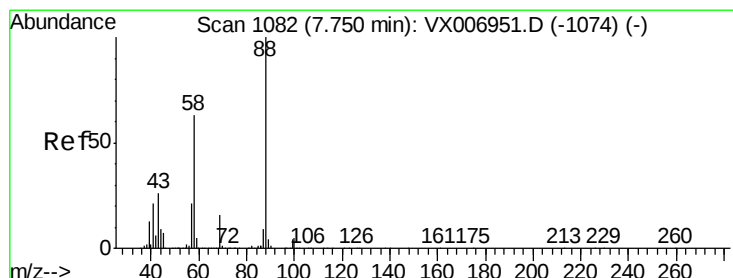
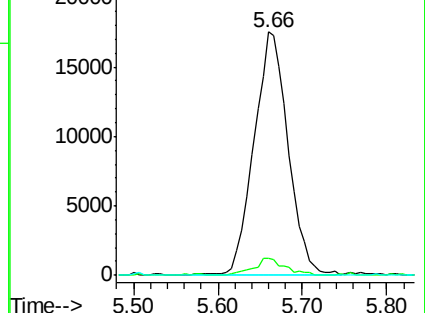
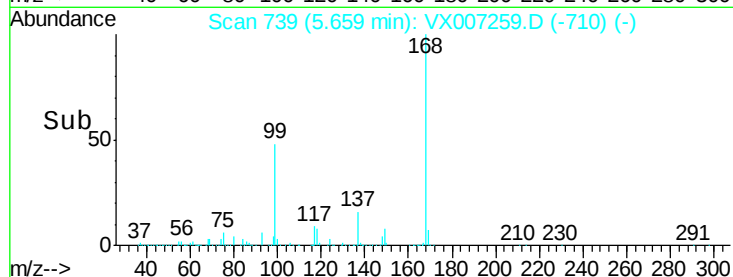
121 0.0 24.0 36.0#



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: Below Cal

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX007259.D

Acq: 28 Jan 2019 14:39

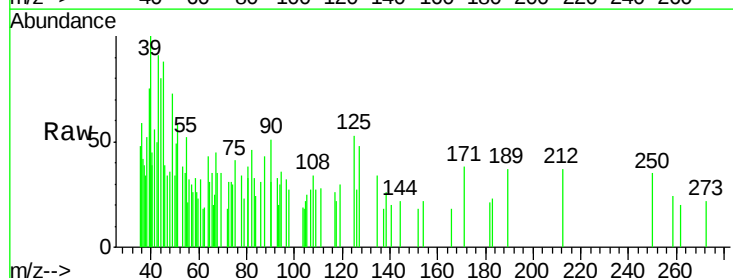
Tgt Ion: 88 Resp: 114

Ion Ratio Lower Upper

88 100

43 154.4 22.2 33.4#

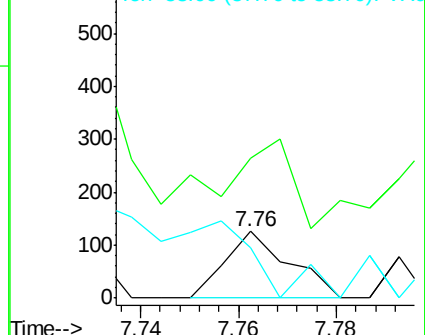
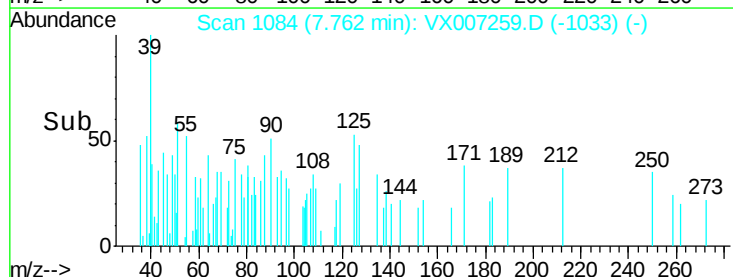
58 0.0 51.0 76.4#

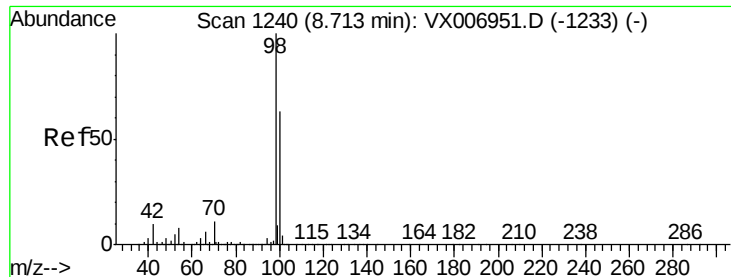


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.353 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007259.D

Acq: 28 Jan 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

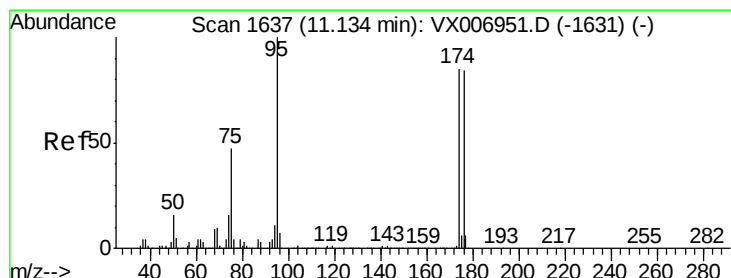
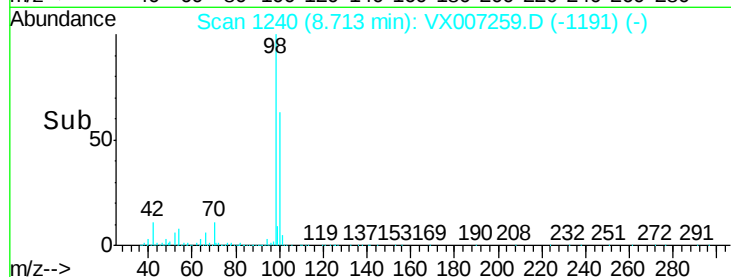
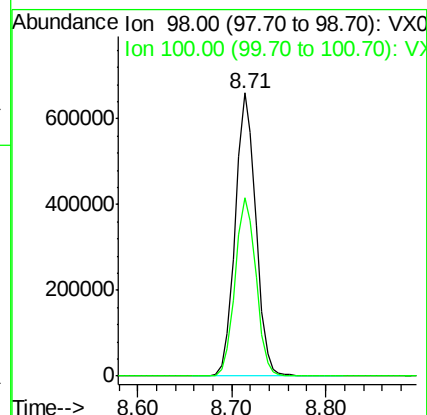
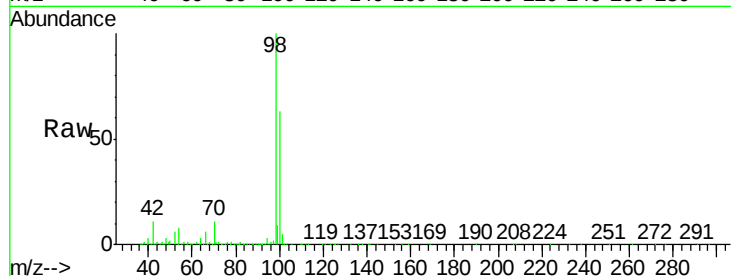
VX0128MBL01

Tot Ion: 98 Resp: 1000487

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 53.461 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007259.D

Acq: 28 Jan 2019 14:39

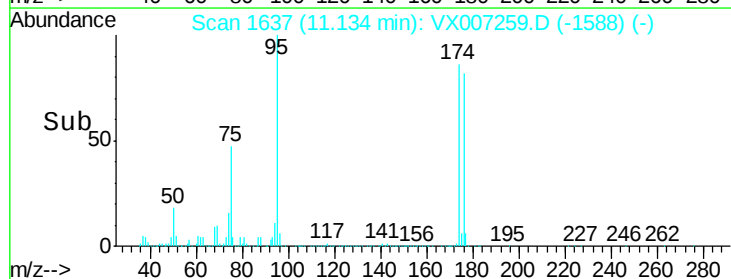
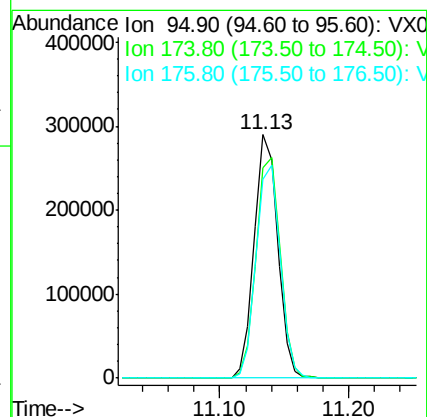
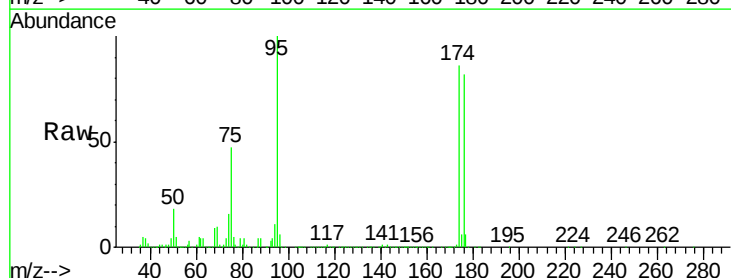
Tgt Ion: 95 Resp: 363115

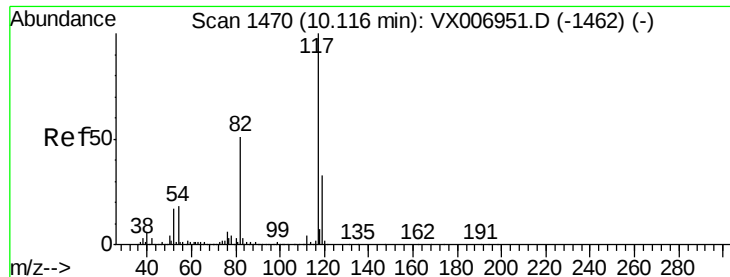
Ion Ratio Lower Upper

95 100

174 93.6 0.0 182.2

176 90.4 0.0 178.8

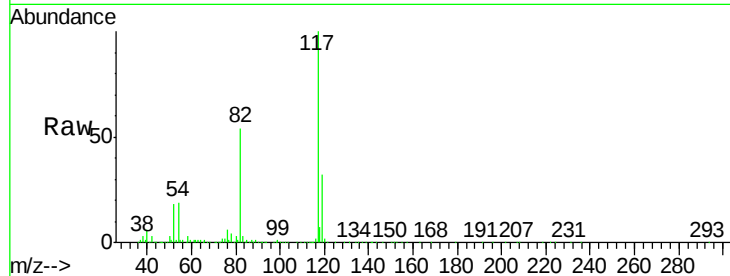




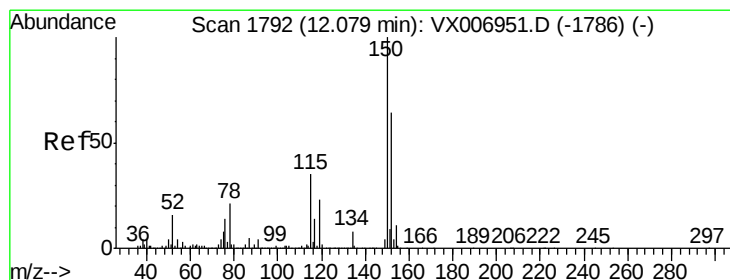
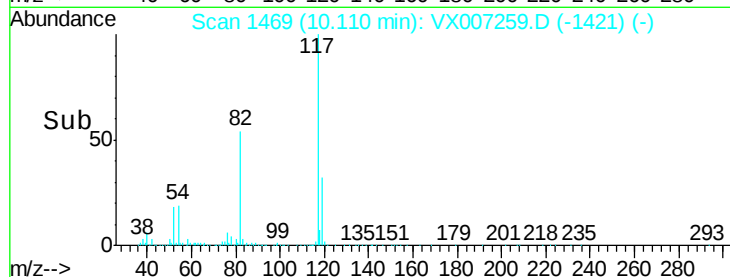
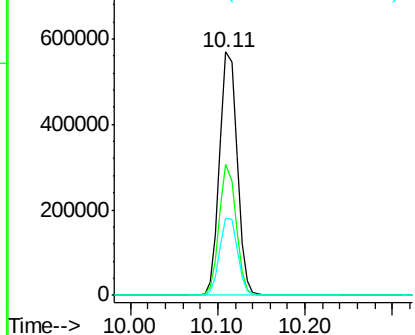
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007259.D
Acq: 28 Jan 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0128MBL01

Tot Ion:117 Resp: 791946
Ion Ratio Lower Upper
117 100
82 53.5 41.0 61.6
119 31.5 25.4 38.0

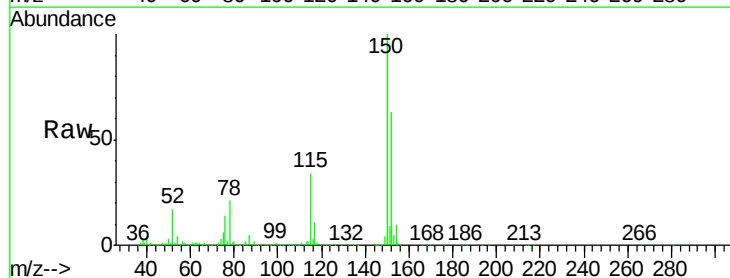


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

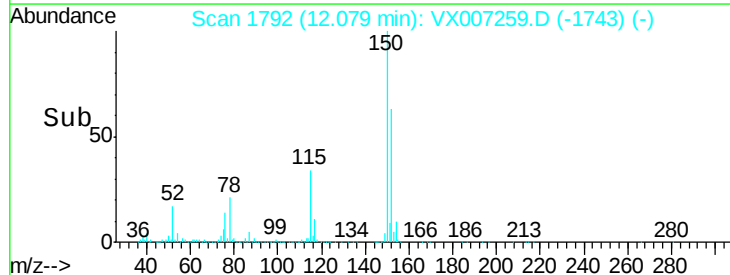
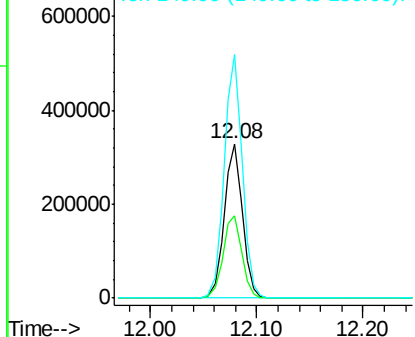


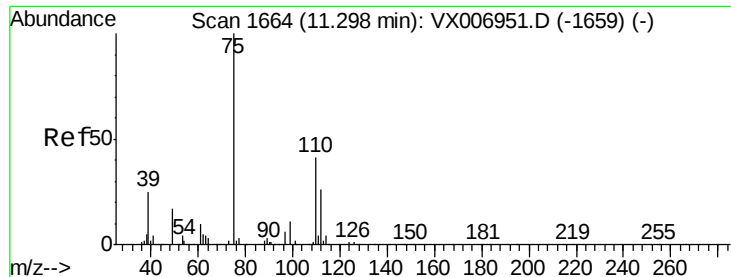
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007259.D
Acq: 28 Jan 2019 14:39

Tgt Ion:152 Resp: 392487
Ion Ratio Lower Upper
152 100
115 55.0 39.1 117.2
150 157.0 0.0 344.8



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: 21.494 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007259.D

Acq: 28 Jan 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

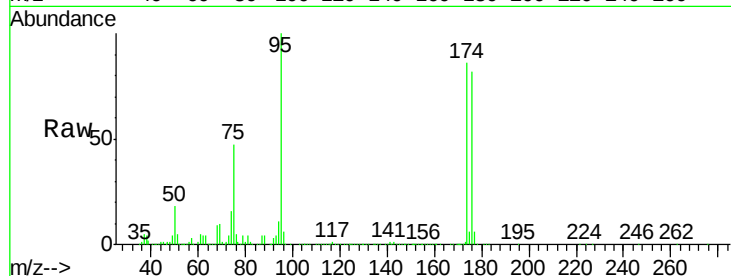
VX0128MBL01

Tot Ion: 75 Resp: 170956

Ion Ratio Lower Upper

75 100

77 1.2 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

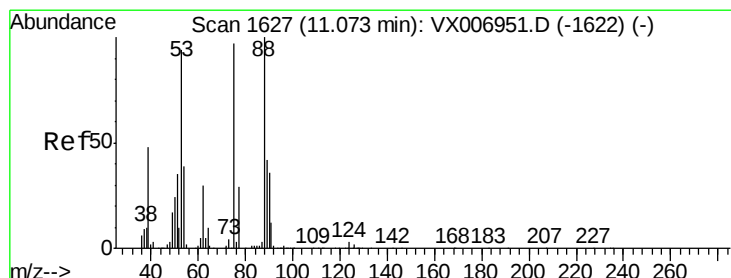
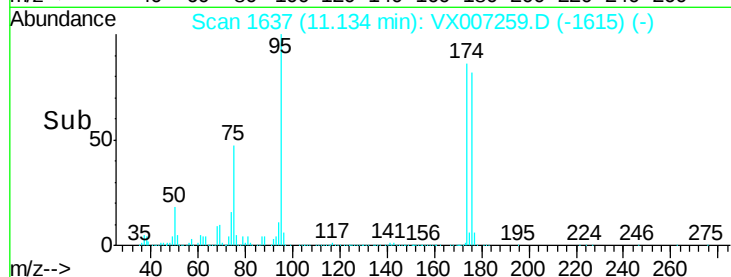
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 63.742 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007259.D

Acq: 28 Jan 2019 14:39

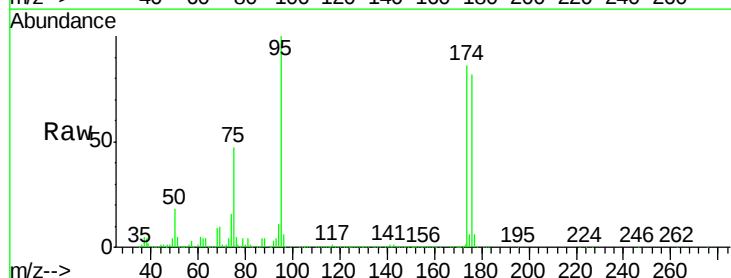
Tgt Ion: 75 Resp: 170956

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.2 38.0 57.0#



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

11.13

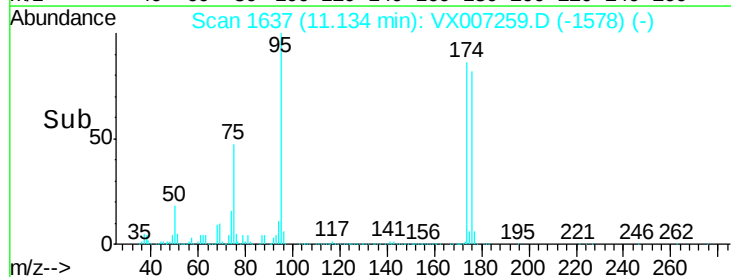
150000

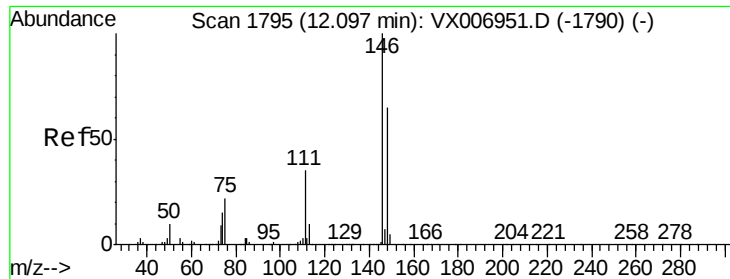
100000

50000

0

Time--> 11.05 11.10 11.15 11.20





#88

1,4-Dichlorobenzene

Concen: 0.218 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007259.D

Acq: 28 Jan 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0128MBL01

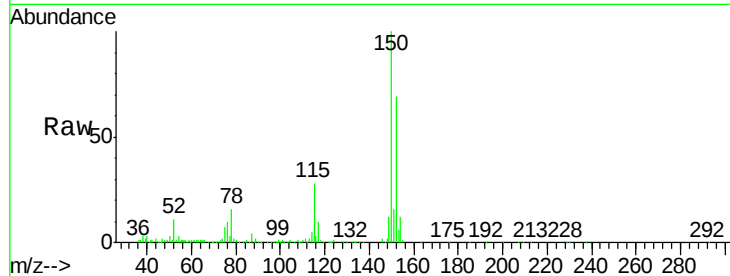
Tot Ion:146 Resp: 952

Ion Ratio Lower Upper

146 100

111 585.0 18.1 54.1#

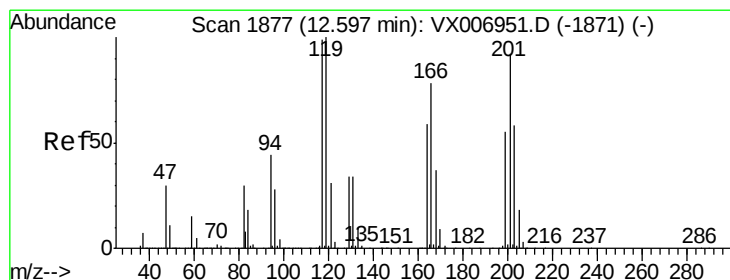
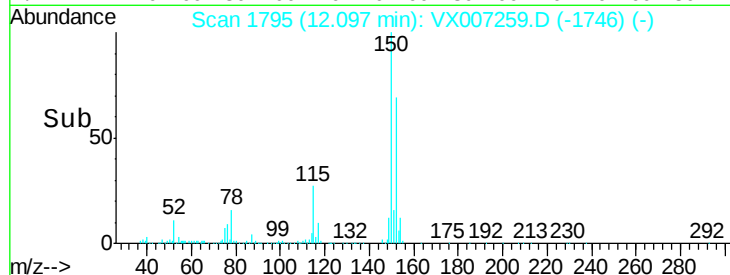
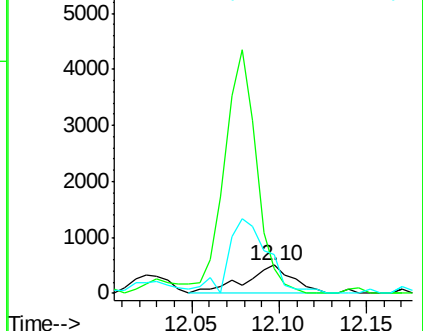
148 220.8 31.9 95.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 2.938 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. -0.20 min

Lab File: VX007259.D

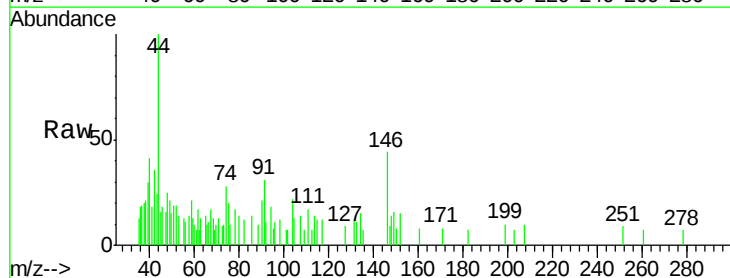
Acq: 28 Jan 2019 14:39

Tgt Ion:117 Resp: 124

Ion Ratio Lower Upper

117 100

201 54.0 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

