

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX010319\
 Data File : VX006901.D
 Acq On : 03 Jan 2019 18:05
 Operator : JC/MD
 Sample : K1019-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TEST-PIT-D-11-12-A

Quant Time: Jan 04 00:22:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	646047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	984135	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	920790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	445646	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	336980	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
35) Dibromofluoromethane	5.50	113	300176	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	8.71	98	1184918	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	420440	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	

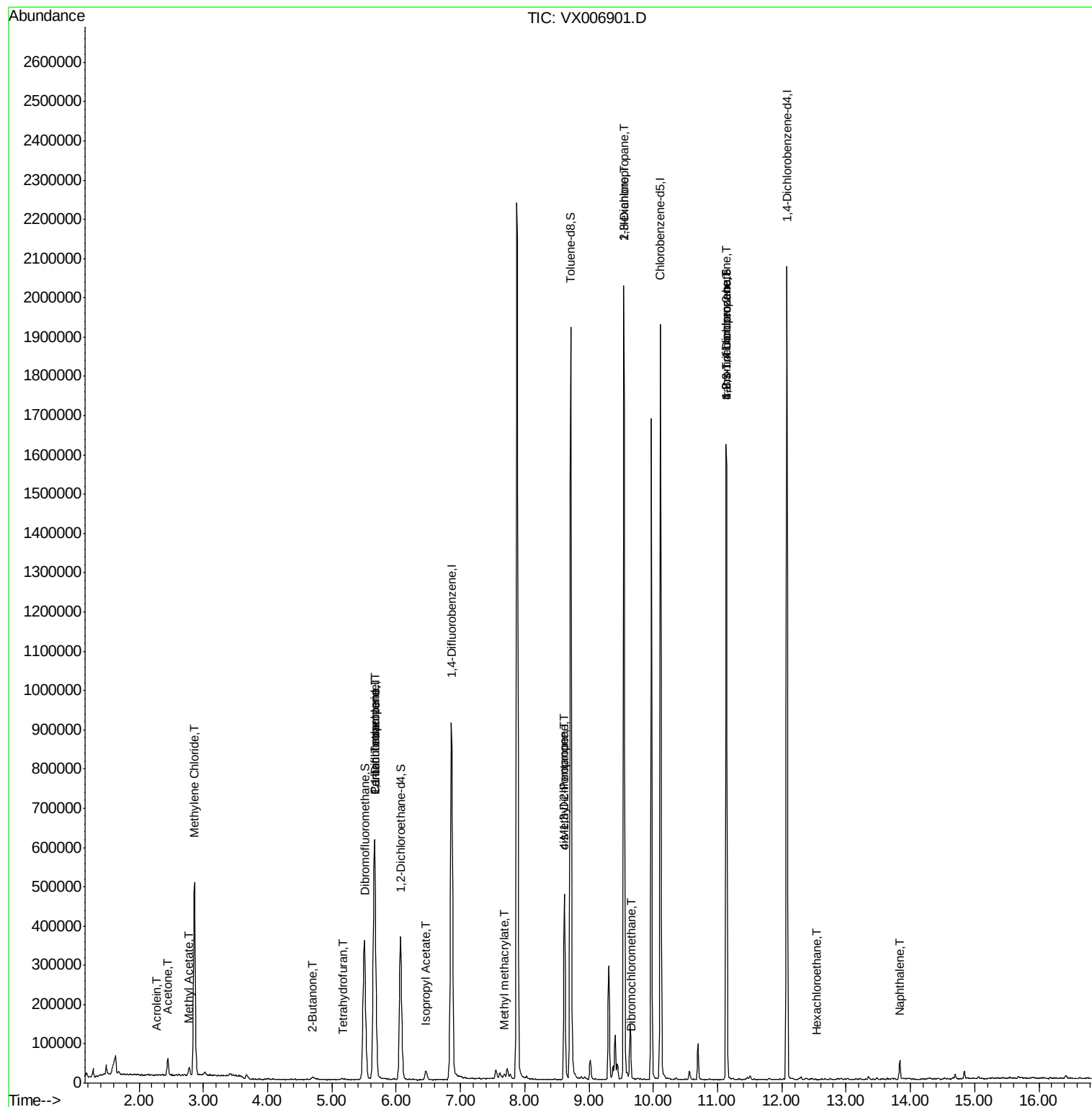
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1261	Below Cal		87
13) Acrolein	2.28	56	243	0.232	ug/l #	1
16) Acetone	2.45	43	45548	14.238	ug/l	99
18) Methyl Acetate	2.78	43	26732	2.842	ug/l	98
20) Methylene Chloride	2.86	84	230261	34.810	ug/l	96
25) 2-Butanone	4.70	43	11245	2.499	ug/l	99
28) Bromochloromethane	5.05	49	251	Below Cal	#	11
29) Tetrahydrofuran	5.17	42	3416	1.153	ug/l #	80
36) 1,1-Dichloropropene	5.66	75	41068	5.038	ug/l #	48
38) Carbon Tetrachloride	5.66	117	57997	7.322	ug/l #	14
43) Isopropyl Acetate	6.46	43	29542	2.289	ug/l	99
48) Methyl methacrylate	7.68	41	14634	2.229	ug/l #	12
49) 1,4-Dioxane	7.76	88	256	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.62	43	150989	18.384	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	76935	8.879	ug/l #	62
57) 1,3-Dichloropropane	9.54	76	18000	1.708	ug/l #	43
59) 2-Hexanone	9.54	43	222438	35.398	ug/l #	52
60) Dibromochloromethane	9.67	129	40	2.330	ug/l	73
76) 1,2,3-Trichloropropane	11.13	75	199917	24.139	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	199917	71.475	ug/l #	10
90) Hexachloroethane	12.54	117	99	3.315	ug/l	75
95) Naphthalene	13.83	128	31203	0.954	ug/l	98

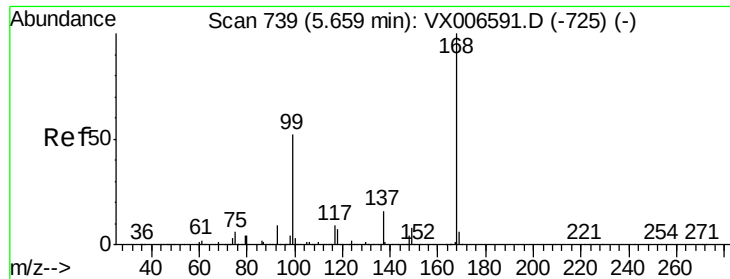
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX010319\
Data File : VX006901.D
Acq On : 03 Jan 2019 18:05
Operator : JC/MD
Sample : K1019-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-D-11-12-A

Quant Time: Jan 04 00:22:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

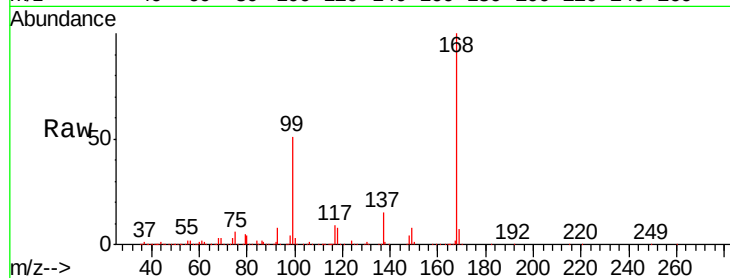
TEST-PIT-D-11-12-A

Tgt Ion:168 Resp: 646047

Ion Ratio Lower Upper

168 100

99 50.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006591.D (-725) (-)

Ion 98.90 (98.60 to 99.60): VX006591.D (-725) (-)

5.67

250000

200000

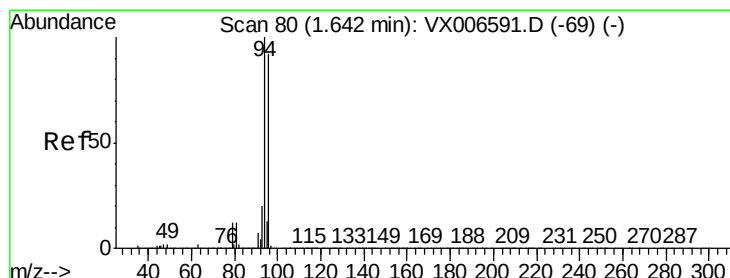
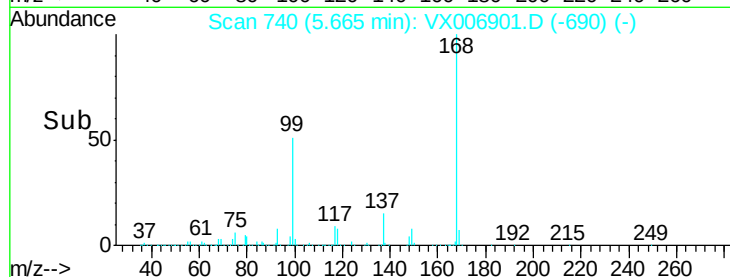
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006901.D

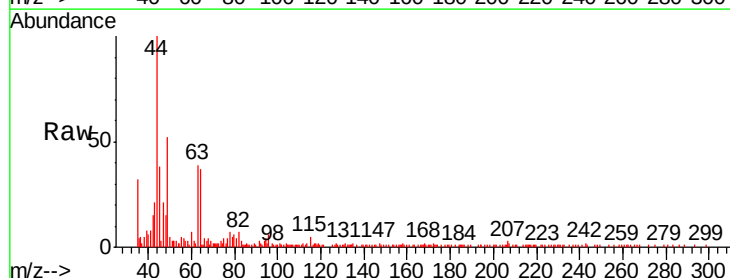
Acq: 03 Jan 2019 18:05

Tgt Ion: 94 Resp: 1261

Ion Ratio Lower Upper

94 100

96 79.1 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX006591.D (-69) (-)

Ion 95.90 (95.60 to 96.60): VX006591.D (-69) (-)

1.64

800

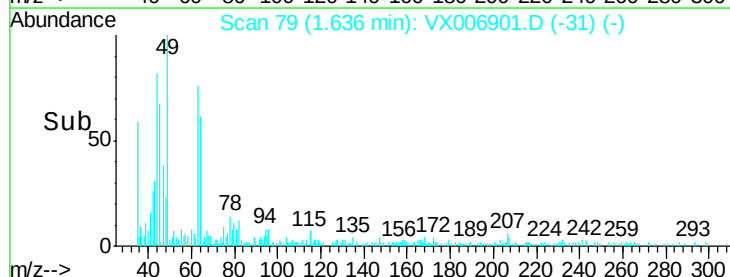
600

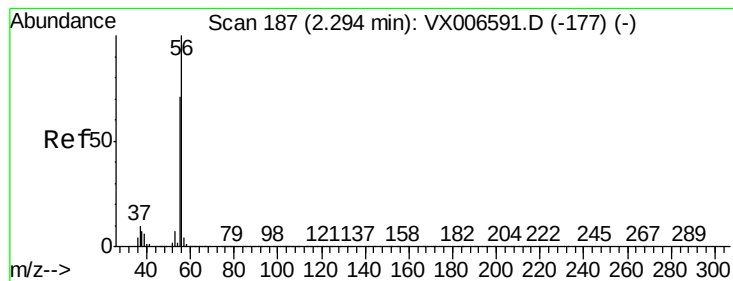
400

200

0

Time-->





#13

Acrolein

Concen: 0.232 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

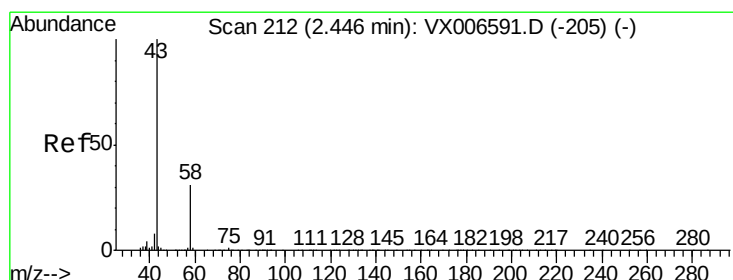
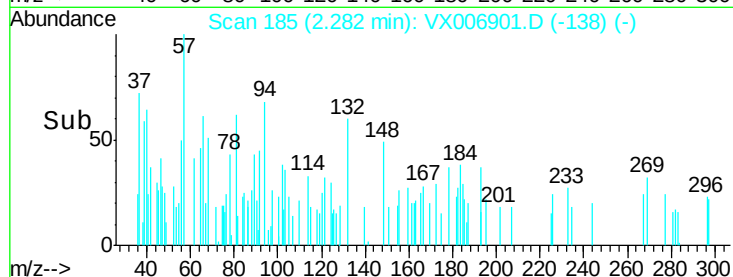
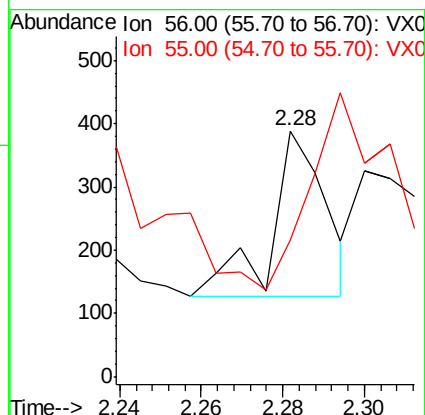
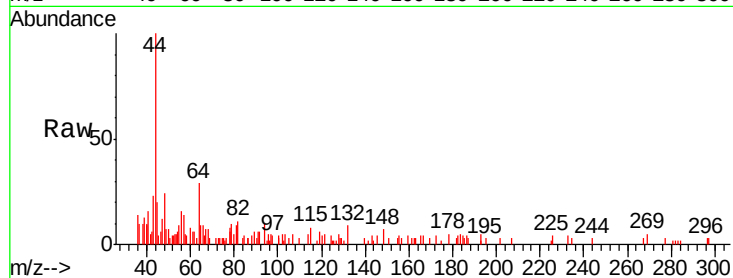
TEST-PIT-D-11-12-A

Tgt Ion: 56 Resp: 243

Ion Ratio Lower Upper

56 100

55 165.8 58.2 87.4#



#16

Acetone

Concen: 14.238 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006901.D

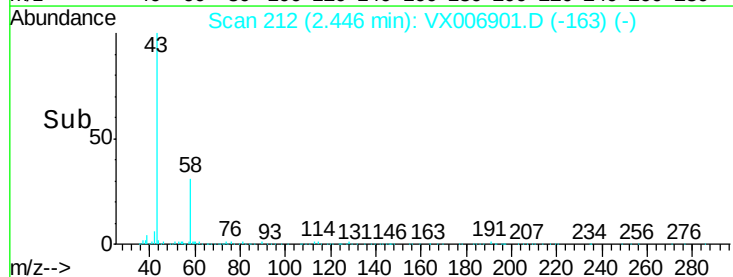
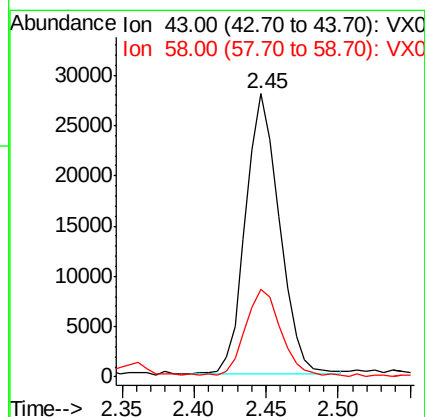
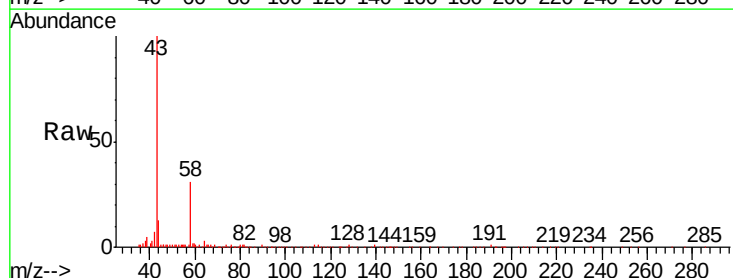
Acq: 03 Jan 2019 18:05

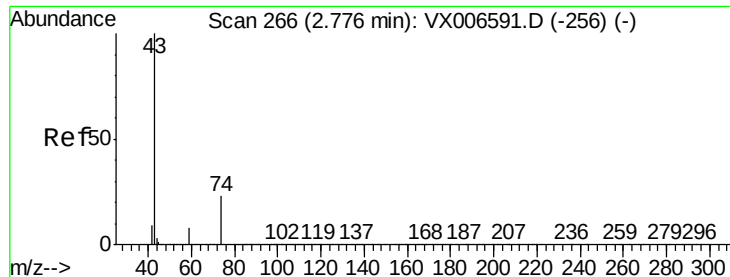
Tgt Ion: 43 Resp: 45548

Ion Ratio Lower Upper

43 100

58 30.7 25.0 37.6

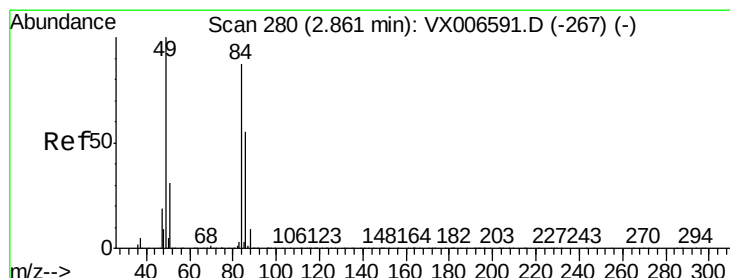
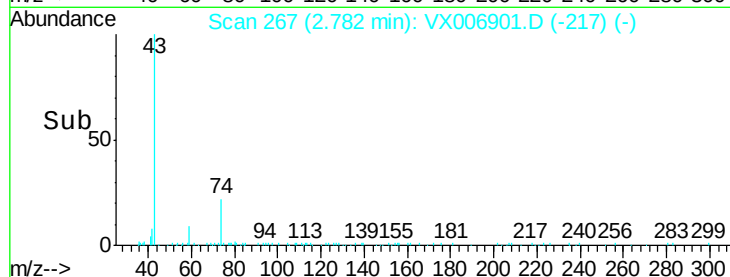
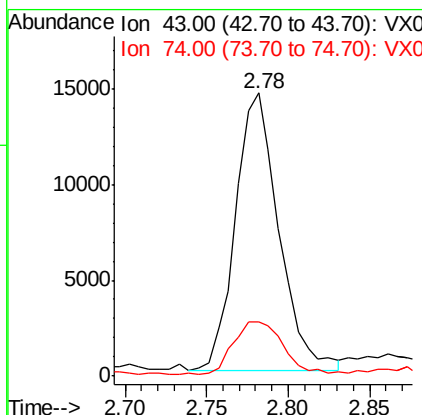
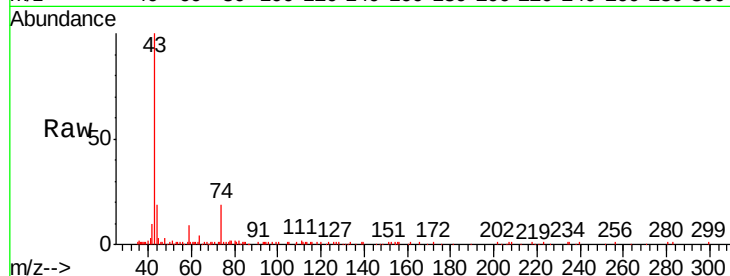




#18
Methyl Acetate
Concen: 2.842 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006901.D
Acq: 03 Jan 2019 18:05

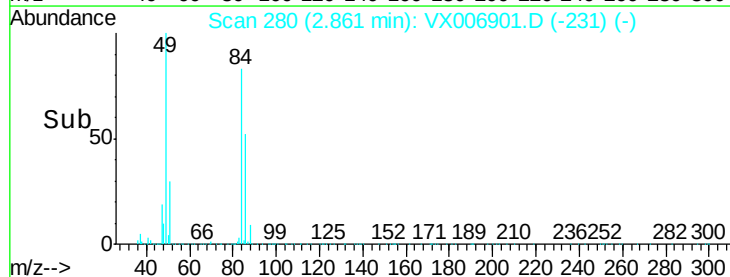
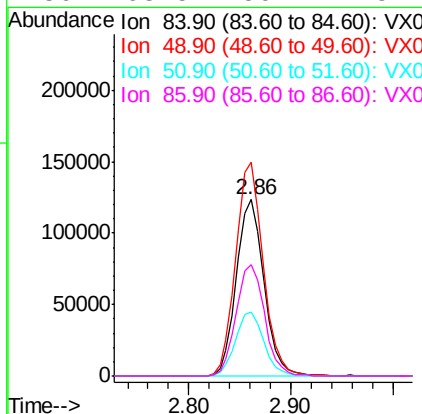
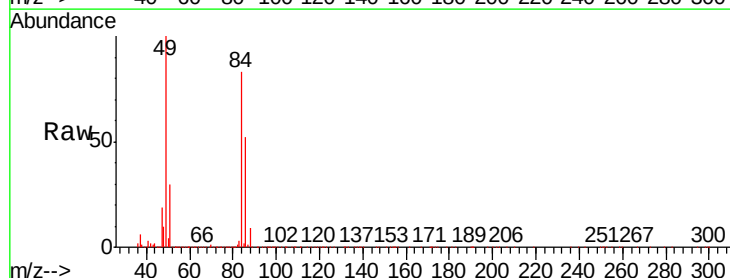
Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-D-11-12-A

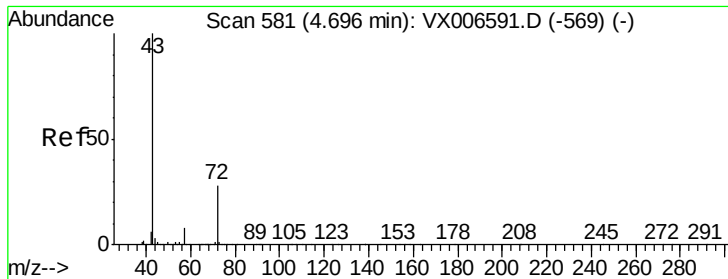
Tgt Ion: 43 Resp: 26732
Ion Ratio Lower Upper
43 100
74 22.3 18.6 28.0



#20
Methylene Chloride
Concen: 34.810 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006901.D
Acq: 03 Jan 2019 18:05

Tgt Ion: 84 Resp: 230261
Ion Ratio Lower Upper
84 100
49 121.0 91.8 137.6
51 36.2 28.5 42.7
86 63.5 50.2 75.2





#25

2-Butanone

Concen: 2.499 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

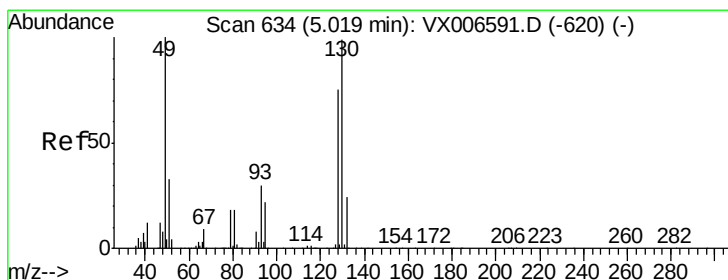
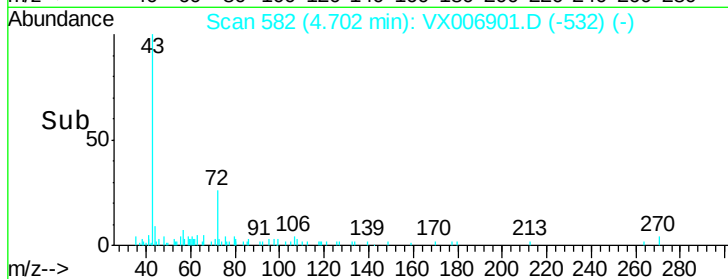
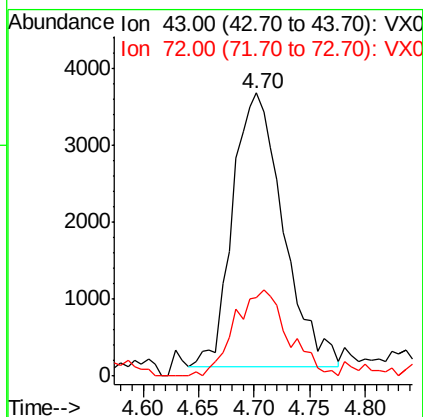
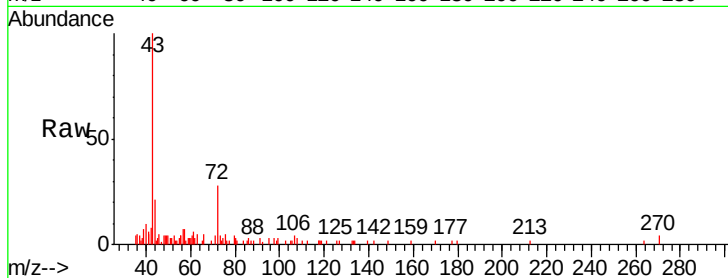
TEST-PIT-D-11-12-A

Tgt Ion: 43 Resp: 11245

Ion Ratio Lower Upper

43 100

72 28.5 22.4 33.6



#28

Bromochloromethane

Concen: Below Cal

RT: 5.05 min Scan# 639

Delta R.T. 0.03 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

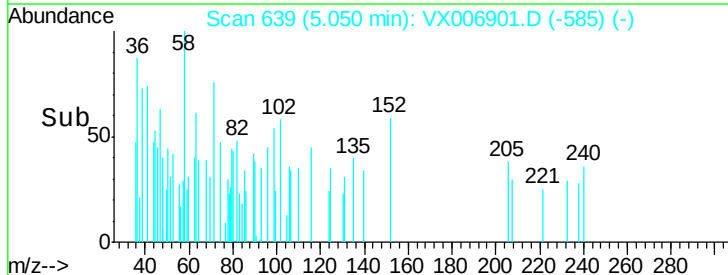
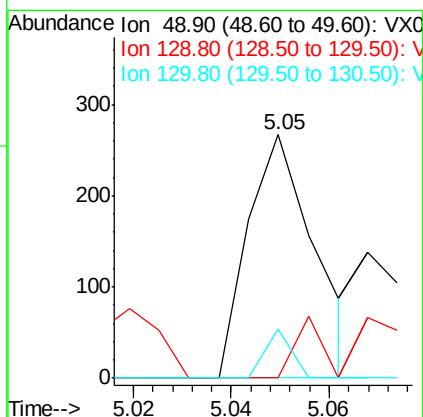
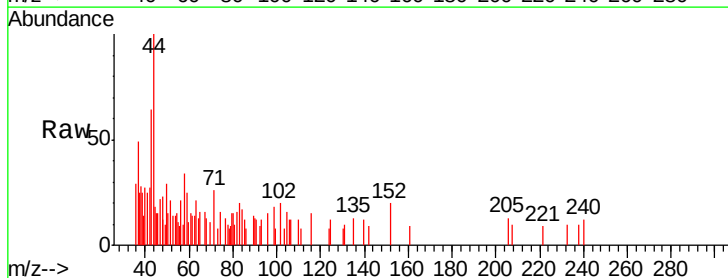
Tgt Ion: 49 Resp: 251

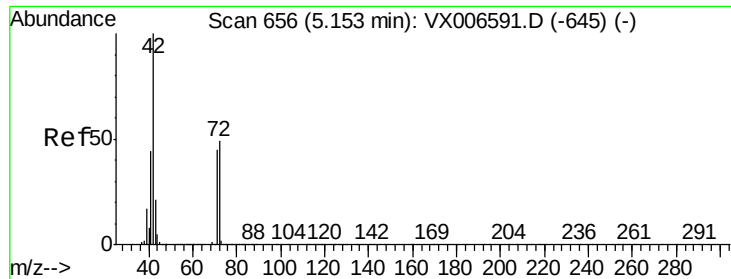
Ion Ratio Lower Upper

49 100

129 10.0 0.0 5.4#

130 8.0 77.7 116.5#





#29

Tetrahydrofuran

Concen: 1.153 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-D-11-12-A

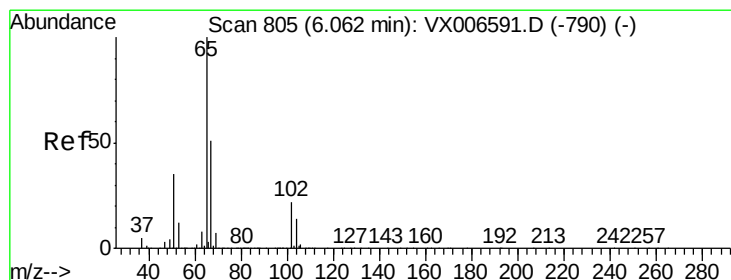
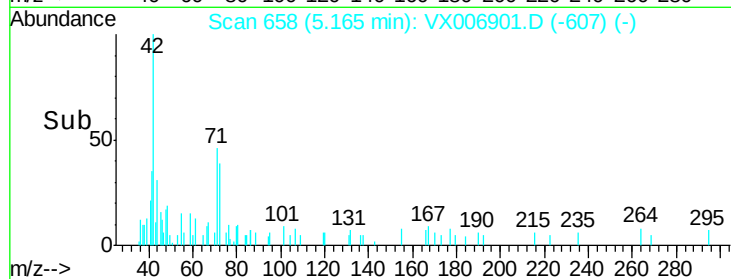
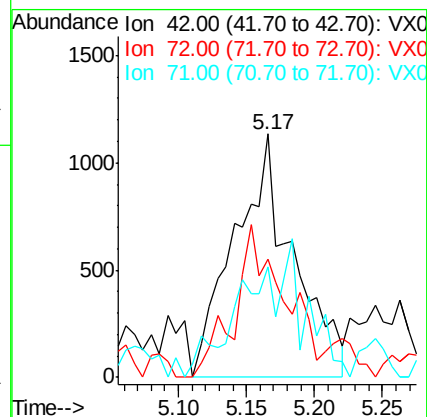
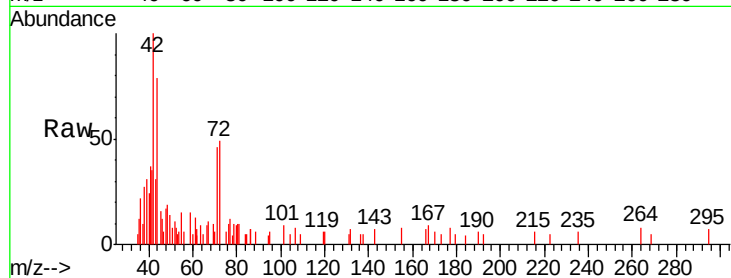
Tgt Ion: 42 Resp: 3416

Ion Ratio Lower Upper

42 100

72 54.0 38.9 58.3

71 24.3 36.2 54.4#



#33

1,2-Dichloroethane-d4

Concen: 48.397 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006901.D

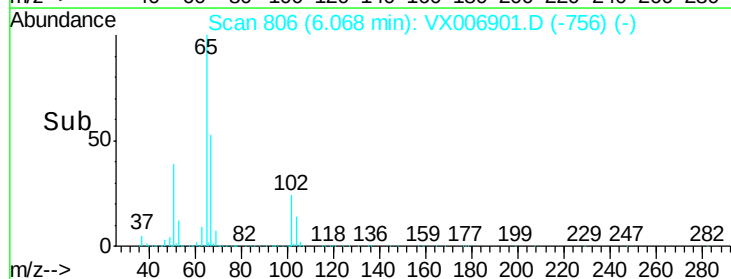
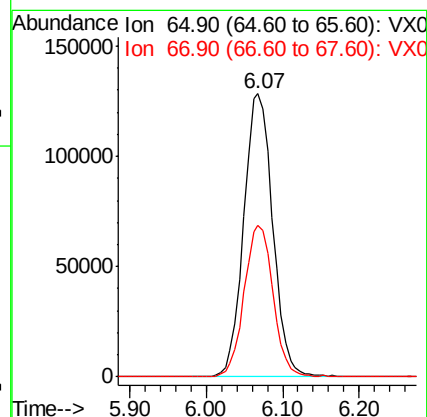
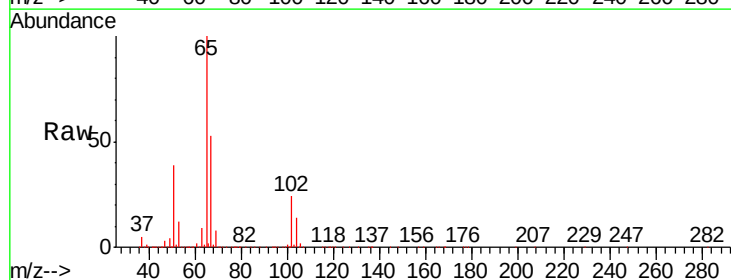
Acq: 03 Jan 2019 18:05

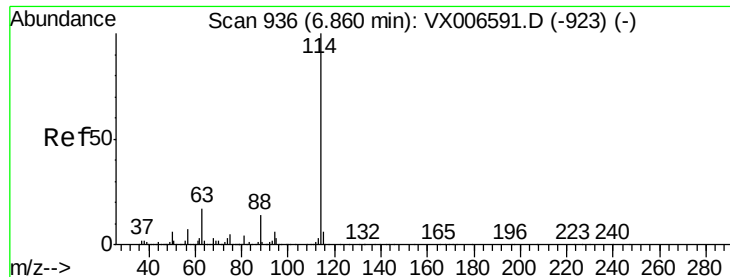
Tgt Ion: 65 Resp: 336980

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-D-11-12-A

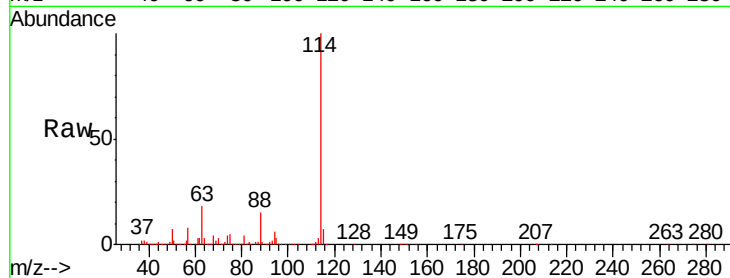
Tgt Ion:114 Resp: 984135

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

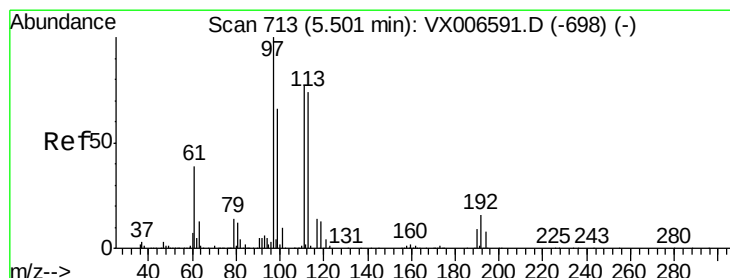
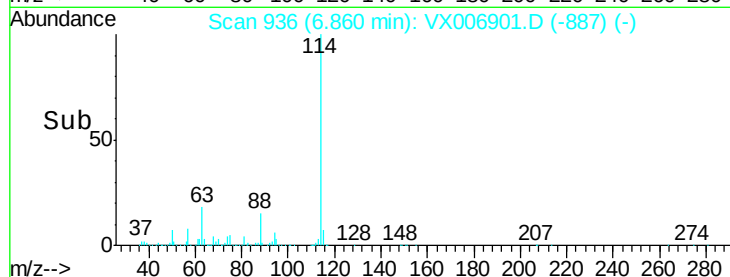
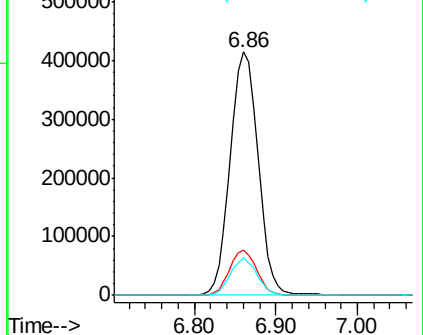
88 15.4 0.0 28.8



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: 48.233 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

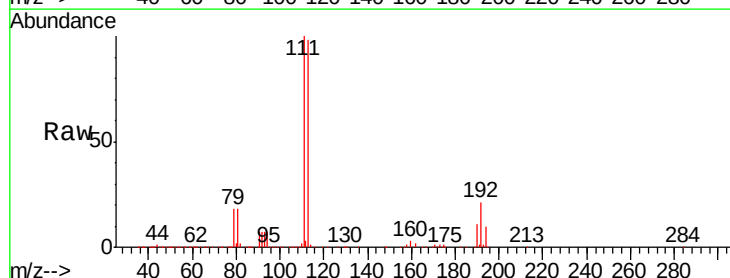
Tgt Ion:113 Resp: 300176

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

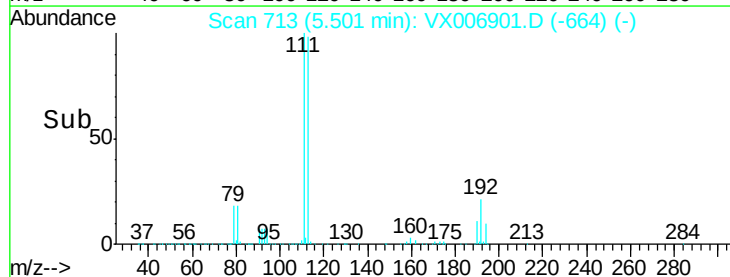
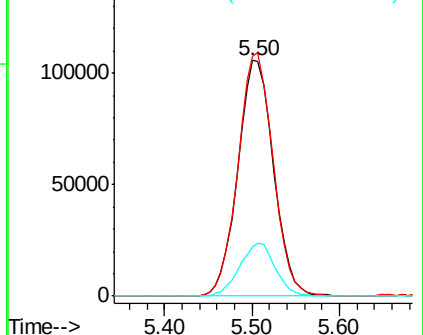
192 22.4 16.7 25.1

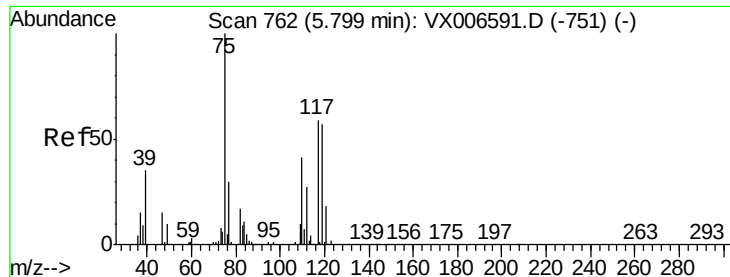


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

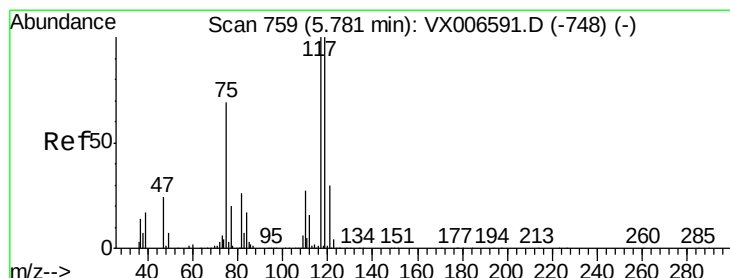
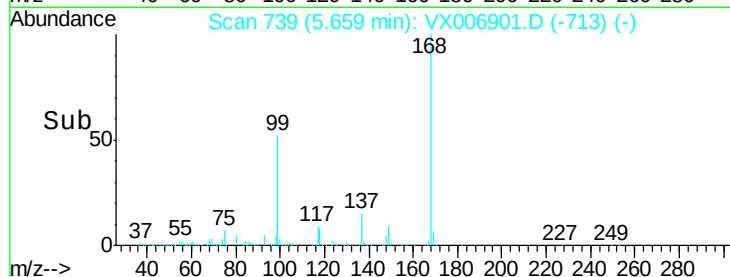
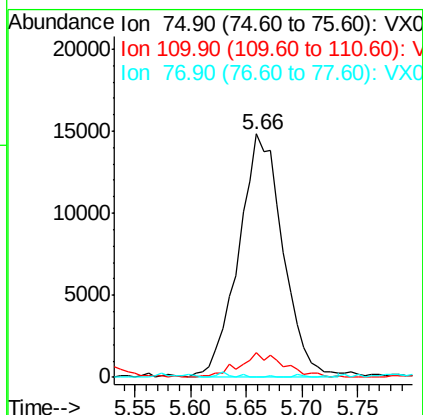
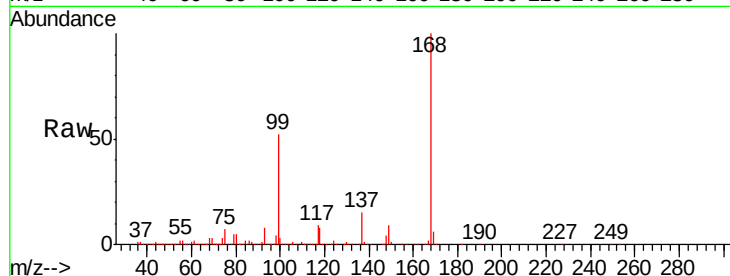




#36
 1,1-Dichloropropene
 Concen: 5.038 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006901.D
 Acq: 03 Jan 2019 18:05

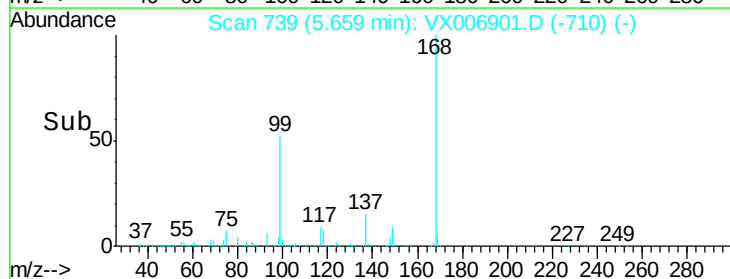
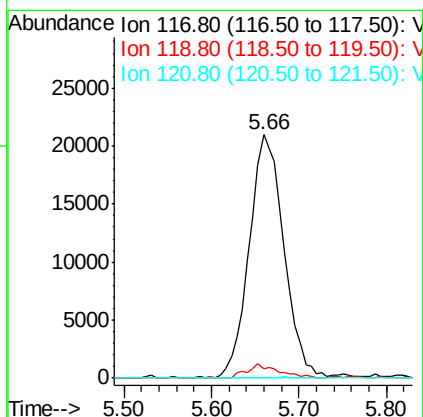
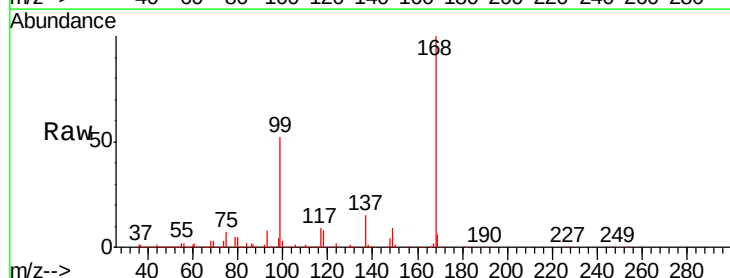
Instrument :
 MSVOA_X
 ClientSampleId :
 TEST-PIT-D-11-12-A

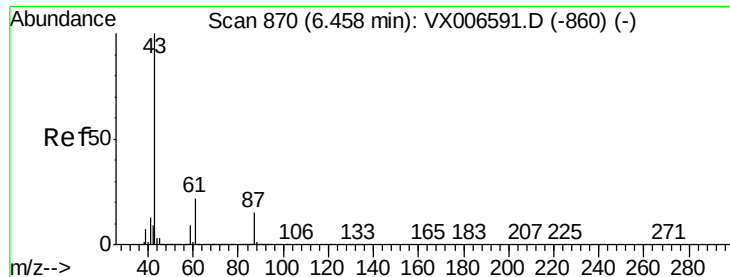
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	20.2	60.5#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.322 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006901.D
 Acq: 03 Jan 2019 18:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	79.4	119.2#
121	0.1	24.0	36.0#





#43

Isopropyl Acetate

Concen: 2.289 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-D-11-12-A

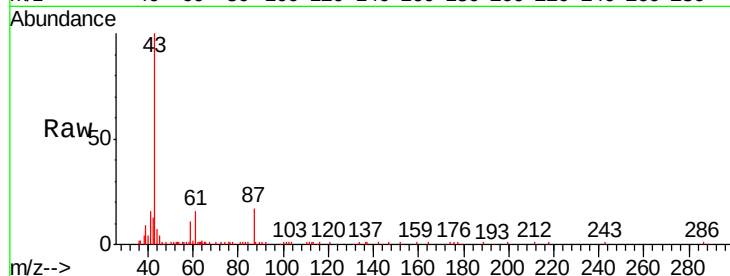
Tgt Ion: 43 Resp: 29542

Ion Ratio Lower Upper

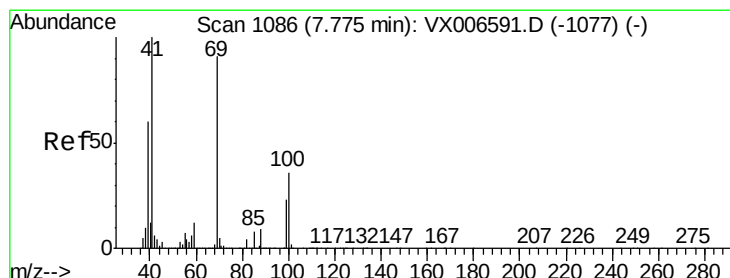
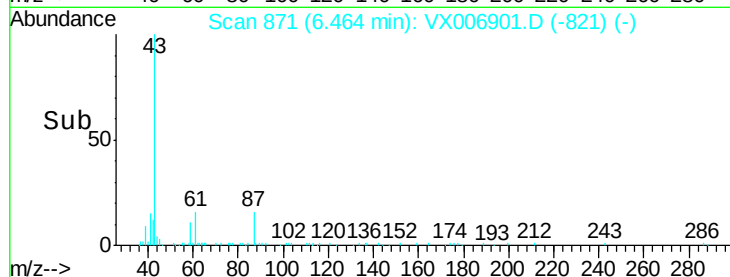
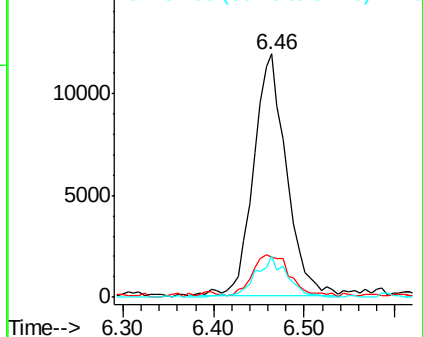
43 100

61 21.0 16.8 25.2

87 16.2 12.4 18.6



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: 2.229 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

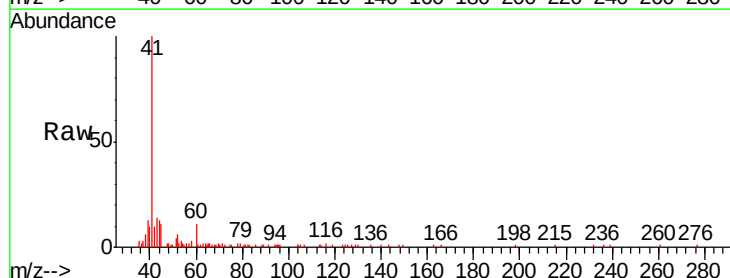
Tgt Ion: 41 Resp: 14634

Ion Ratio Lower Upper

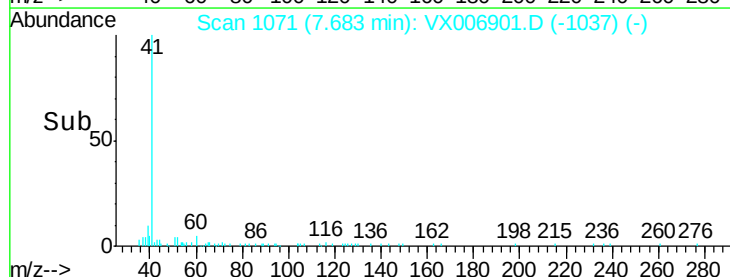
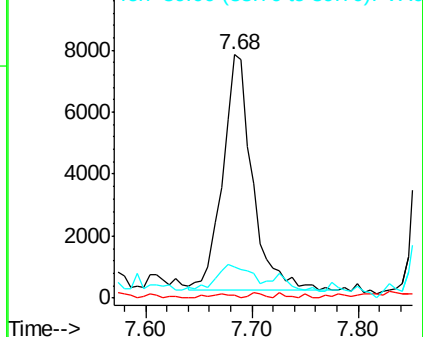
41 100

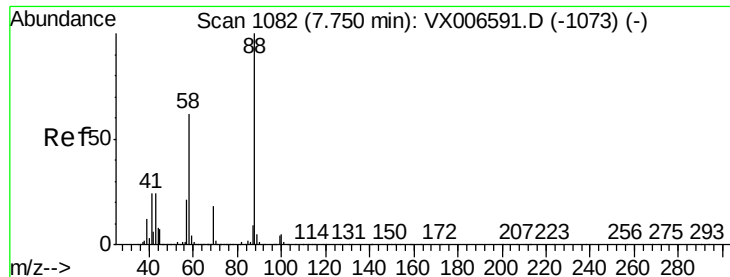
69 1.5 72.4 108.6#

39 0.0 45.8 68.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-D-11-12-A

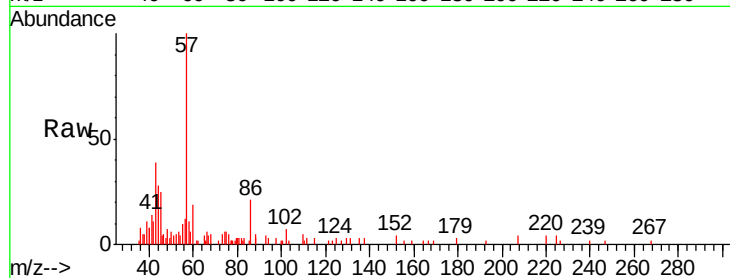
Tgt Ion: 88 Resp: 256

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

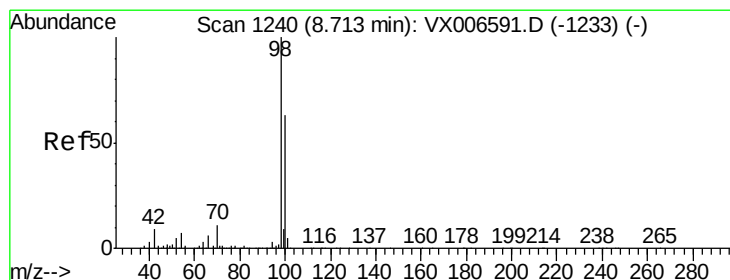
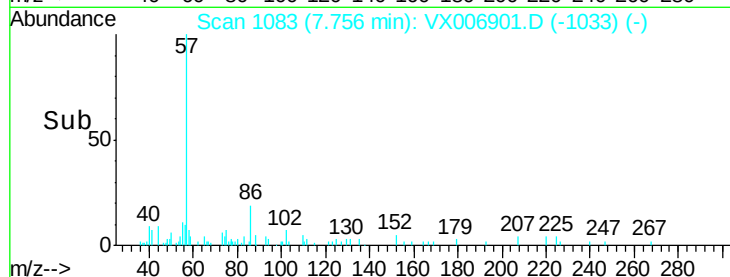
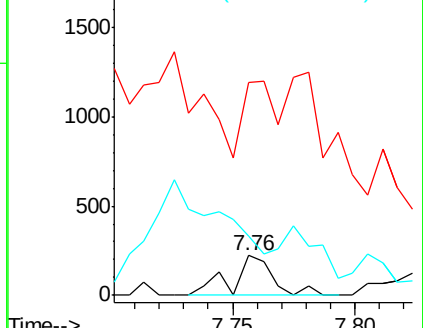
58 0.0 51.0 76.4#



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: 50.502 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006901.D

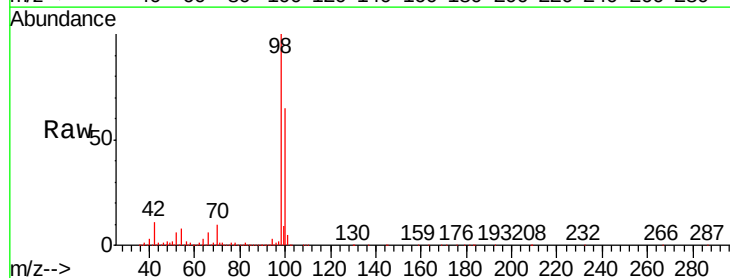
Acq: 03 Jan 2019 18:05

Tgt Ion: 98 Resp: 1184918

Ion Ratio Lower Upper

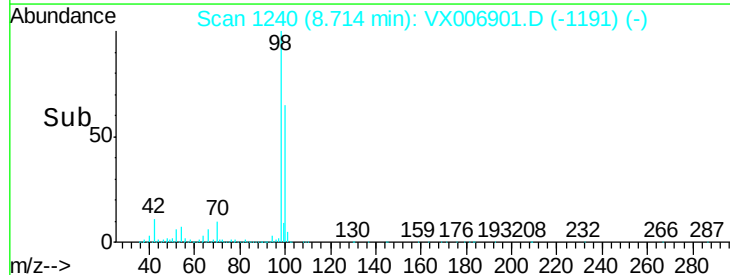
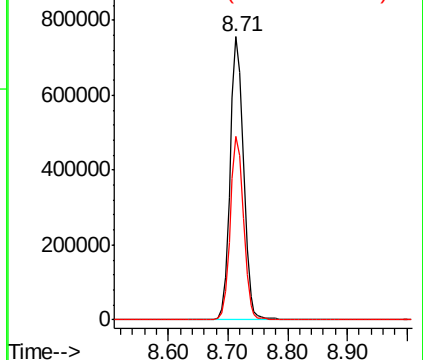
98 100

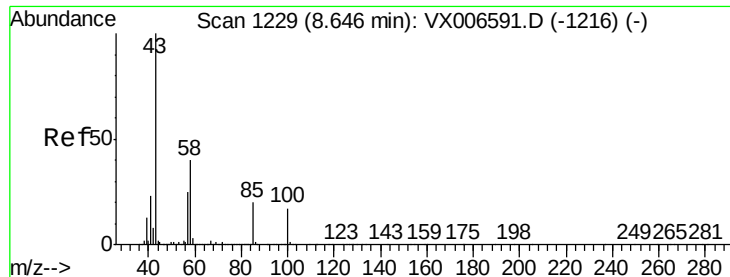
100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

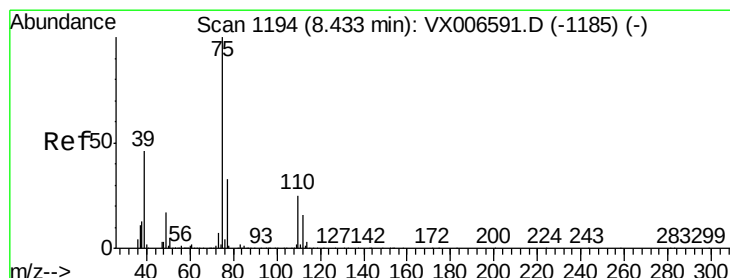
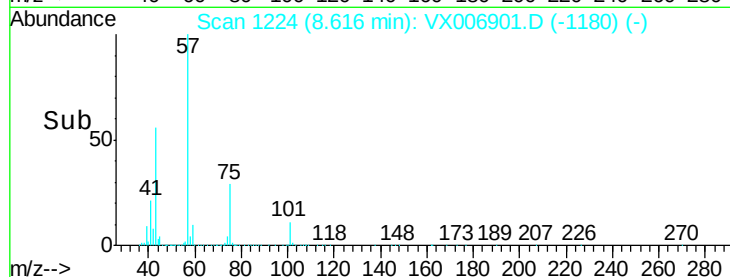
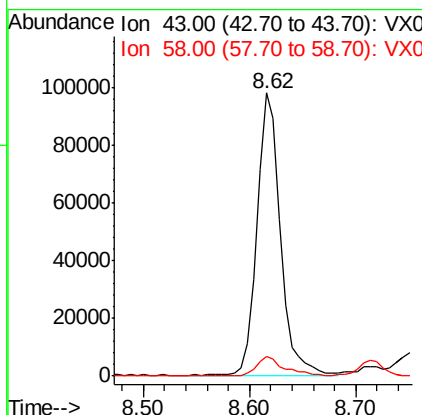
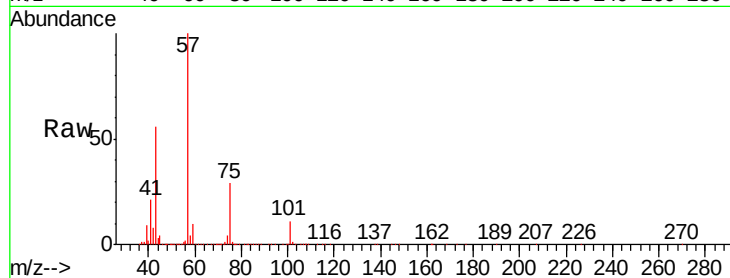




#51
 4-Methyl-2-Pentanone
 Concen: 18.384 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. -0.03 min
 Lab File: VX006901.D
 Acq: 03 Jan 2019 18:05

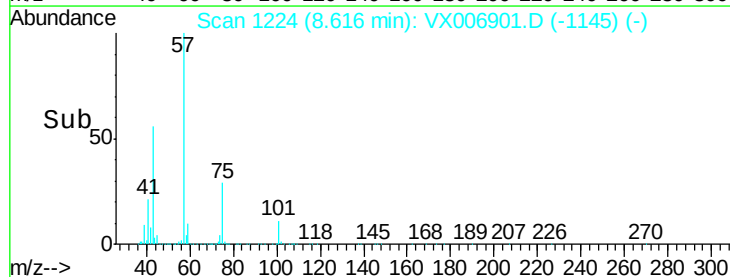
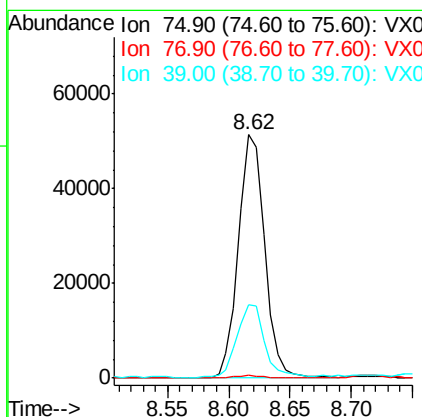
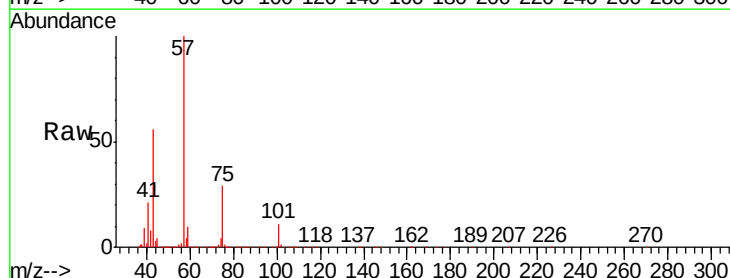
Instrument :
 MSVOA_X
 ClientSampleId :
 TEST-PIT-D-11-12-A

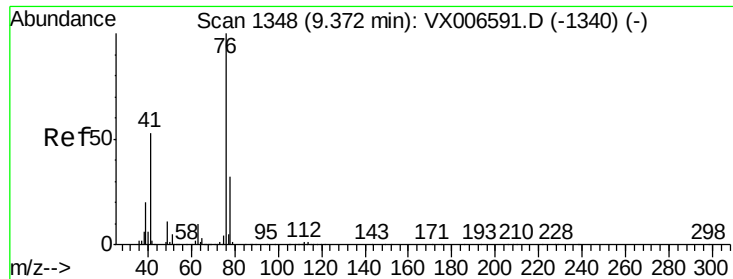
Tgt Ion: 43 Resp: 150989
 Ion Ratio Lower Upper
 43 100
 58 8.4 31.8 47.6#



#54
 cis-1,3-Dichloropropene
 Concen: 8.879 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX006901.D
 Acq: 03 Jan 2019 18:05

Tgt Ion: 75 Resp: 76935
 Ion Ratio Lower Upper
 75 100
 77 1.1 26.2 39.2#
 39 29.6 36.7 55.1#





#57

1,3-Dichloropropane

Concen: 1.708 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

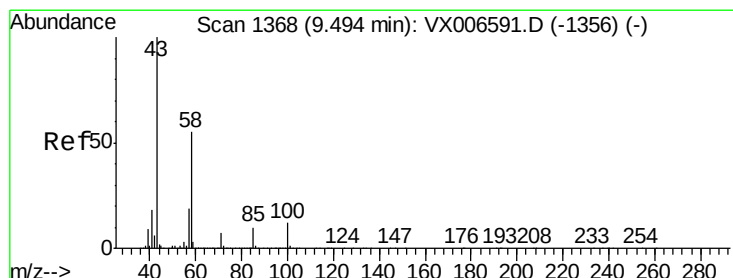
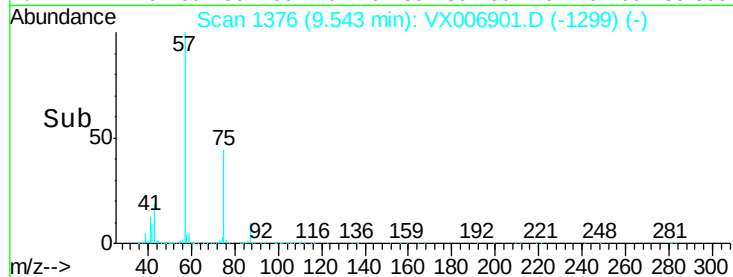
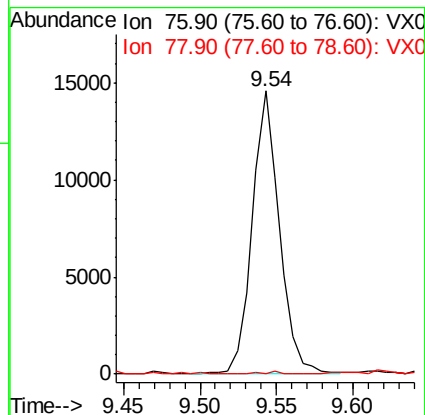
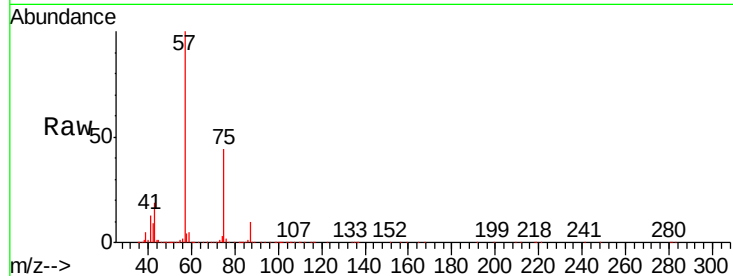
TEST-PIT-D-11-12-A

Tgt Ion: 76 Resp: 18000

Ion Ratio Lower Upper

76 100

78 0.5 26.0 39.0#



#59

2-Hexanone

Concen: 35.398 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX006901.D

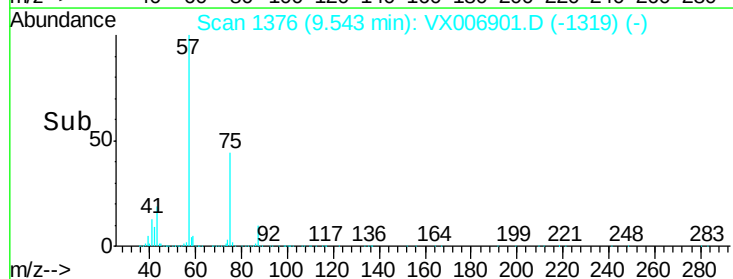
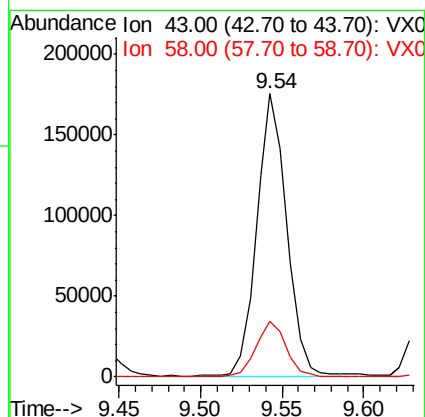
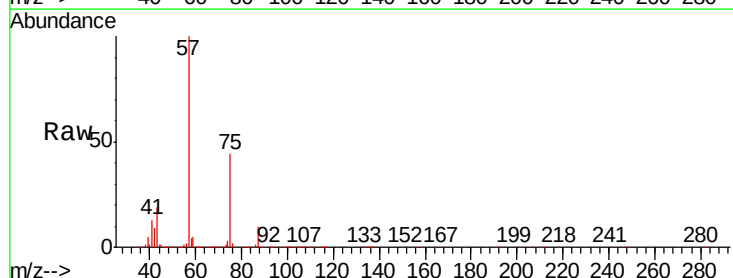
Acq: 03 Jan 2019 18:05

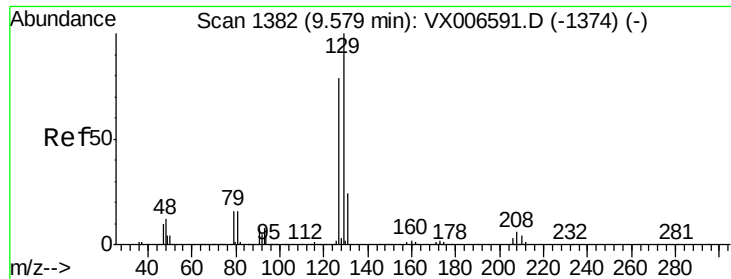
Tgt Ion: 43 Resp: 222438

Ion Ratio Lower Upper

43 100

58 20.4 27.7 83.1#





#60

Dibromochloromethane

Concen: 2.330 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.09 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

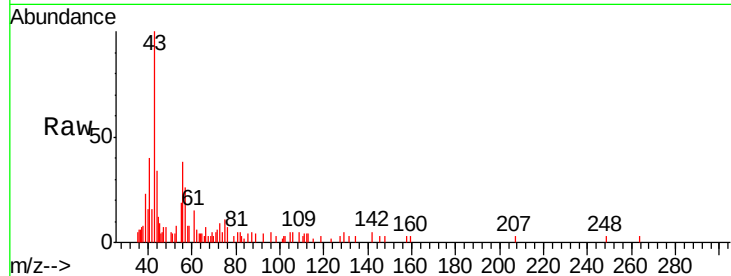
TEST-PIT-D-11-12-A

Tgt Ion:129 Resp: 40

Ion Ratio Lower Upper

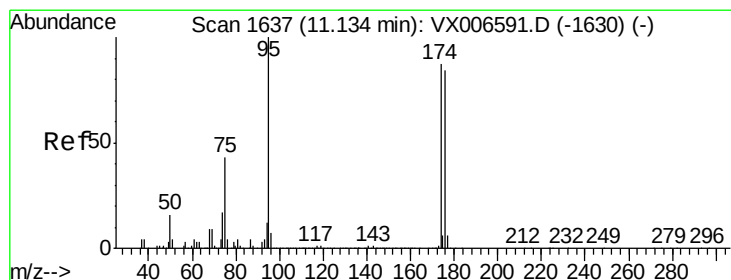
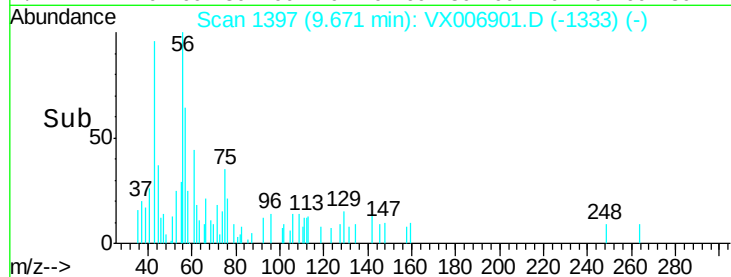
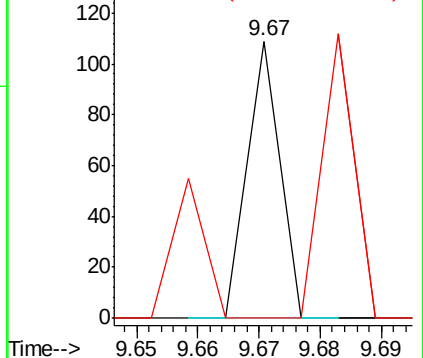
129 100

127 102.5 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.928 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

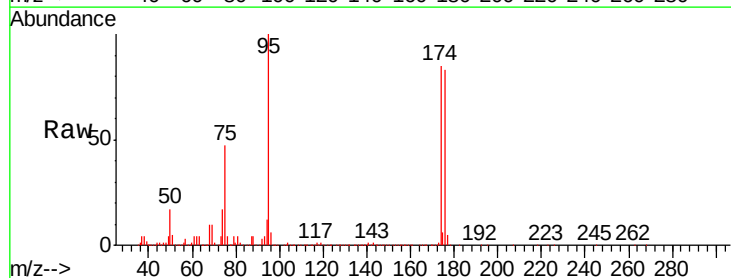
Tgt Ion: 95 Resp: 420440

Ion Ratio Lower Upper

95 100

174 91.8 0.0 182.2

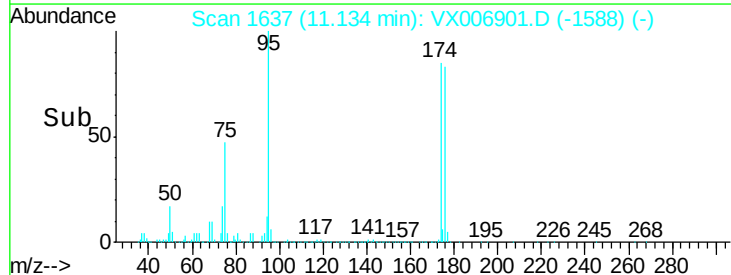
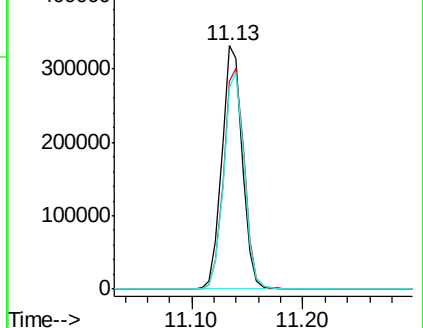
176 88.9 0.0 178.8

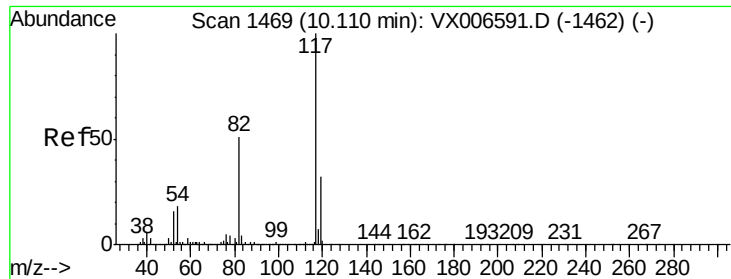


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

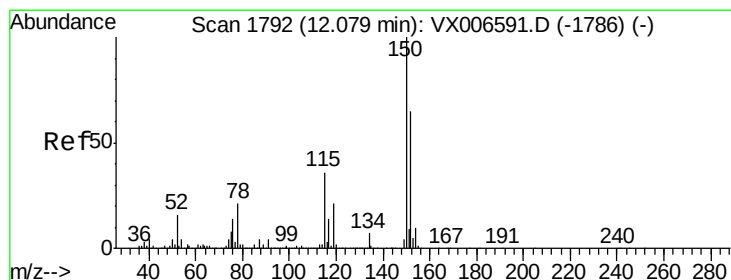
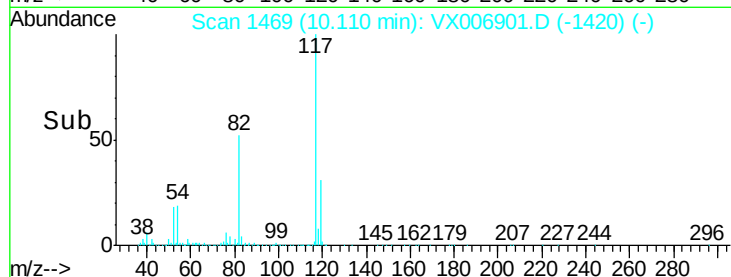
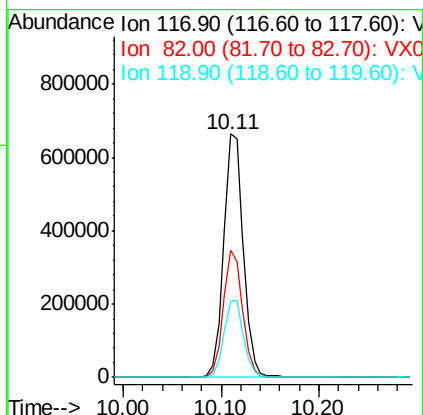
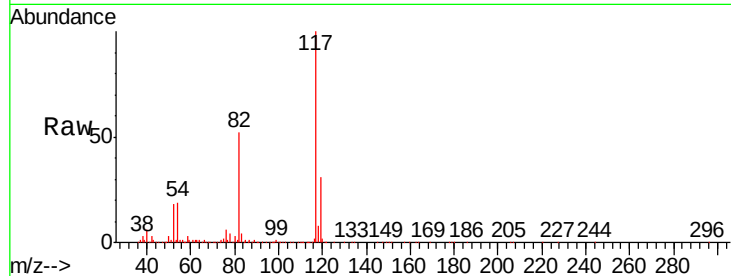




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006901.D
Acq: 03 Jan 2019 18:05

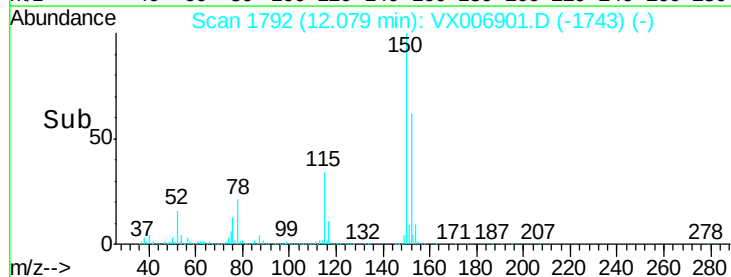
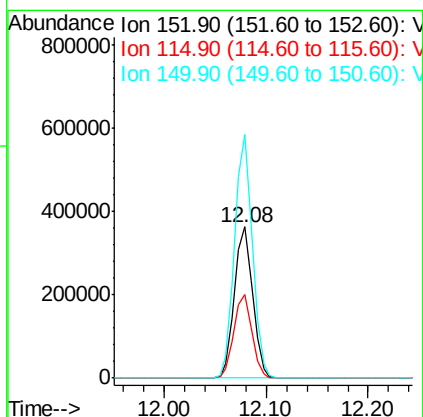
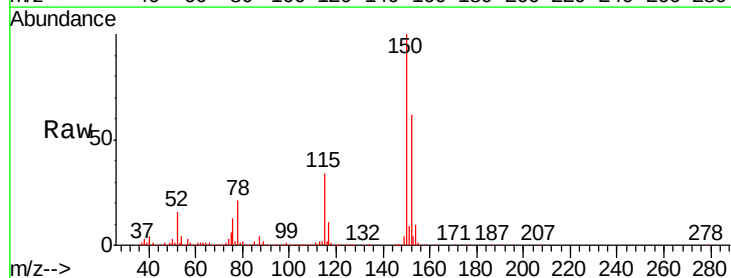
Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-D-11-12-A

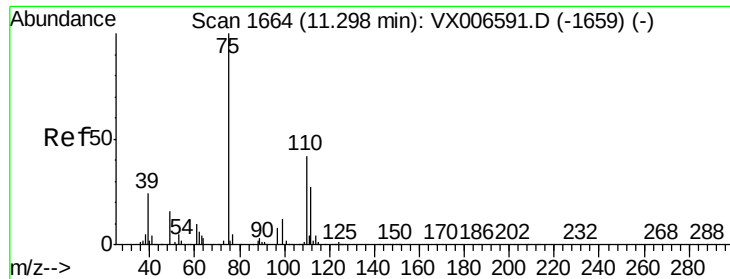
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.0	61.6
119	31.2	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006901.D
Acq: 03 Jan 2019 18:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	39.1	117.2
150	156.4	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 24.139 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

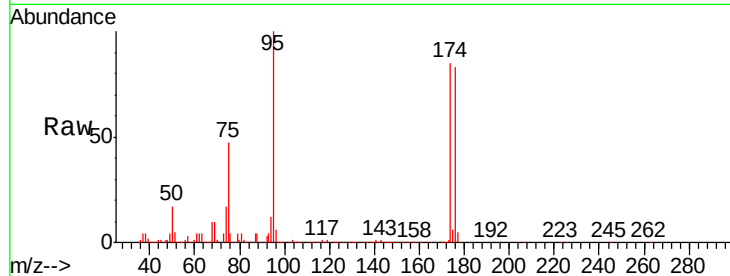
TEST-PIT-D-11-12-A

Tgt Ion: 75 Resp: 199917

Ion Ratio Lower Upper

75 100

77 1.3 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

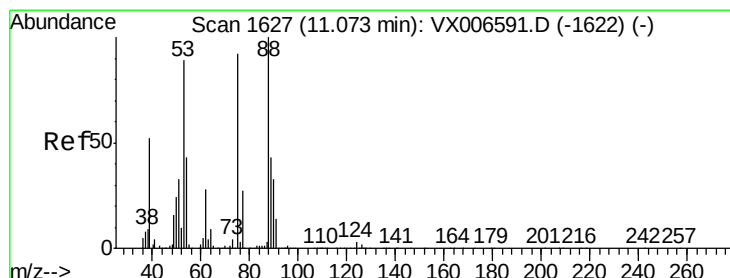
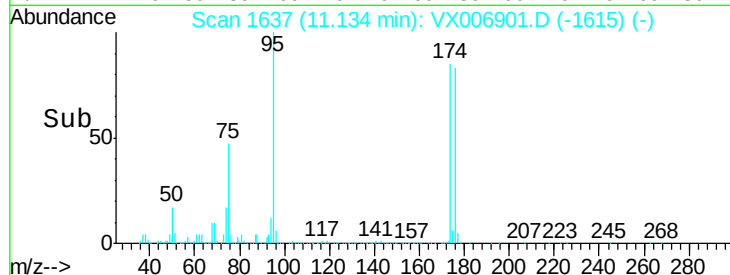
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 71.475 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

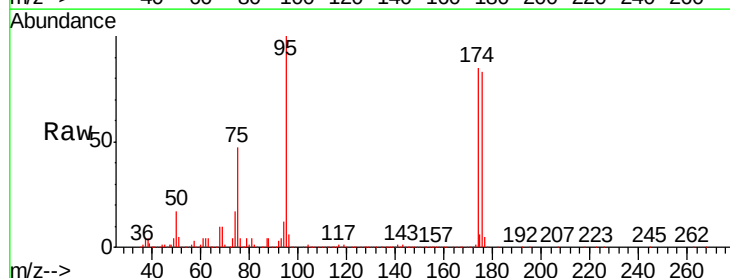
Tgt Ion: 75 Resp: 199917

Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

89 0.1 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

200000

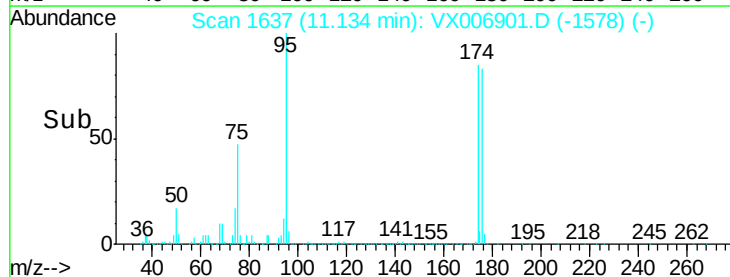
150000

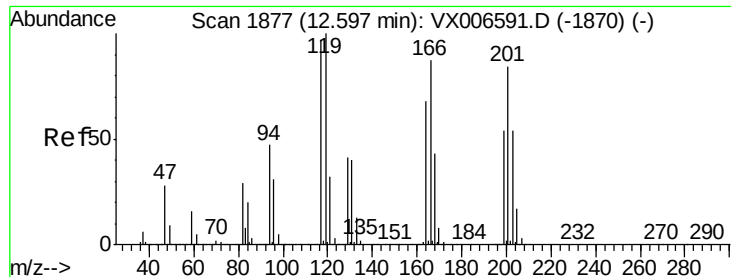
100000

50000

0

Time-->





#90

Hexachloroethane

Concen: 3.315 ug/l

RT: 12.54 min Scan# 1868

Delta R.T. -0.05 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

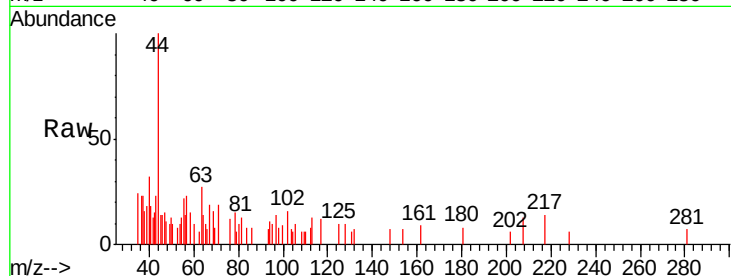
TEST-PIT-D-11-12-A

Tgt Ion:117 Resp: 99

Ion Ratio Lower Upper

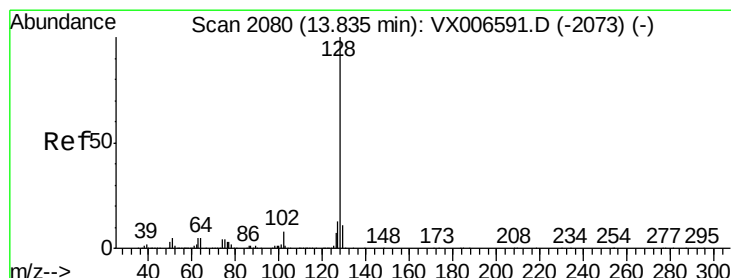
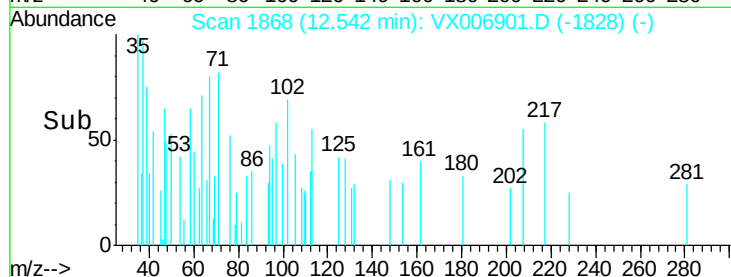
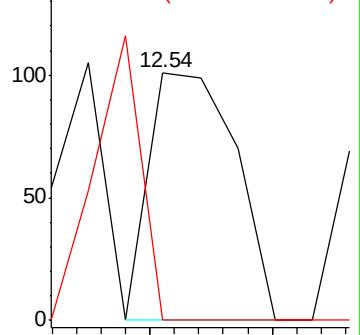
117 100

201 62.6 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 0.954 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006901.D

Acq: 03 Jan 2019 18:05

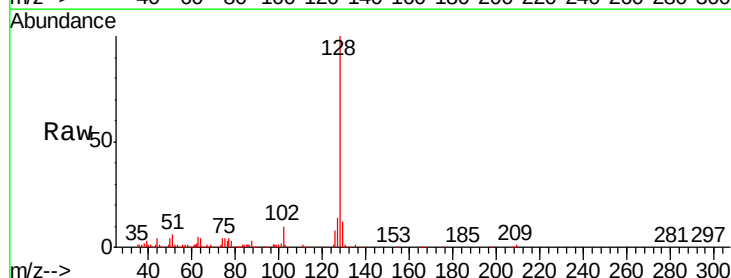
Tgt Ion:128 Resp: 31203

Ion Ratio Lower Upper

128 100

127 13.8 10.1 15.1

129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

