

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012419\
 Data File : VX007212.D
 Acq On : 24 Jan 2019 19:02
 Operator : JC/SP
 Sample : PB116589ZHE#04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB116589ZHE#04

Quant Time: Jan 25 00:06:12 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	532482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	835280	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	803764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	383031	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	294615	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
35) Dibromofluoromethane	5.50	113	263776	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
50) Toluene-d8	8.71	98	1019032	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	11.13	95	356172	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	

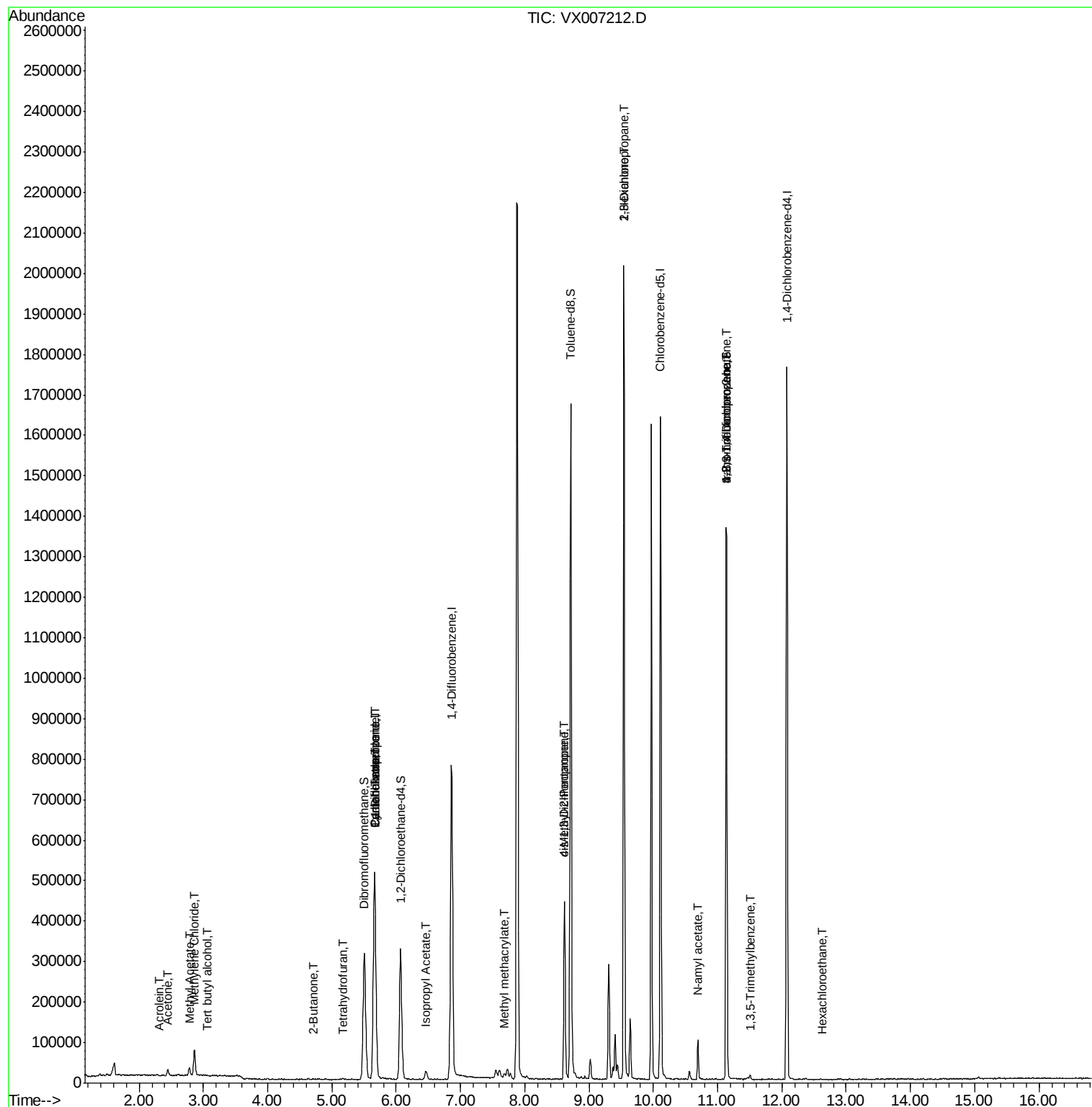
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	639	0.487	ug/l #	80
13) Acrolein	2.32	56	357	3.707	ug/l #	1
16) Acetone	2.45	43	16284	5.919	ug/l	98
18) Methyl Acetate	2.78	43	24852	3.119	ug/l	99
20) Methylene Chloride	2.86	84	30188	5.263	ug/l	91
25) 2-Butanone	4.71	43	3331	0.846	ug/l #	47
29) Tetrahydrofuran	5.16	42	860	0.336	ug/l #	66
31) Cyclohexane	5.67	56	9473	1.207	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	33295	4.585	ug/l #	49
38) Carbon Tetrachloride	5.67	117	46976	6.429	ug/l #	15
43) Isopropyl Acetate	6.46	43	28141	2.291	ug/l #	93
48) Methyl methacrylate	7.68	41	13821	2.192	ug/l #	13
49) 1,4-Dioxane	7.73	88	91	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.62	43	140985	17.864	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	71085	8.711	ug/l #	64
57) 1,3-Dichloropropane	9.54	76	17012	1.822	ug/l #	44
59) 2-Hexanone	9.54	43	221833	36.884	ug/l #	51
74) N-amyl acetate	10.69	43	21950	2.018	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	167016	21.517	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	4912	0.218	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.13	75	167016	63.806	ug/l #	10
90) Hexachloroethane	12.63	117	26	2.915	ug/l	76

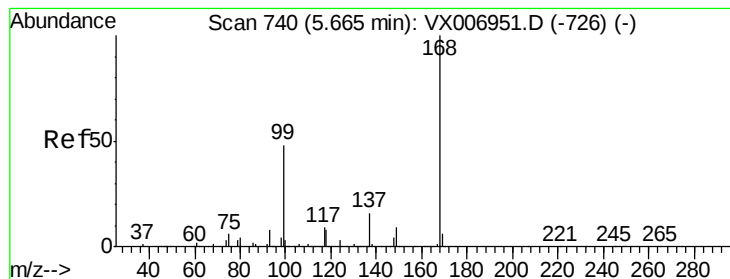
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007212.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

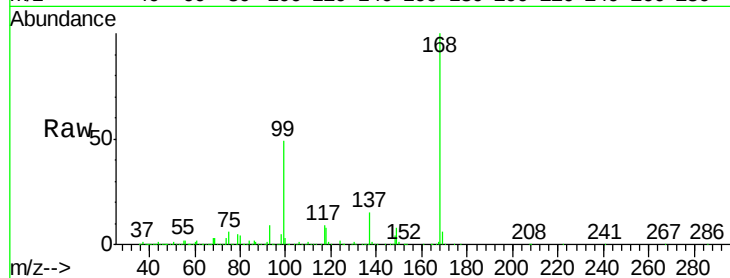
PB116589ZHE#04

Tot Ion:168 Resp: 532482

Ion Ratio Lower Upper

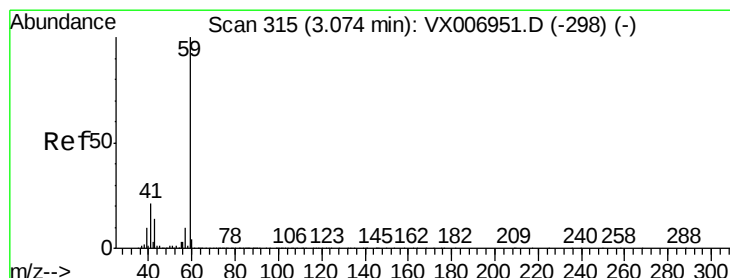
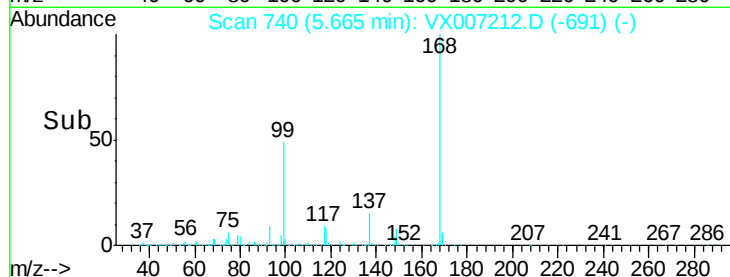
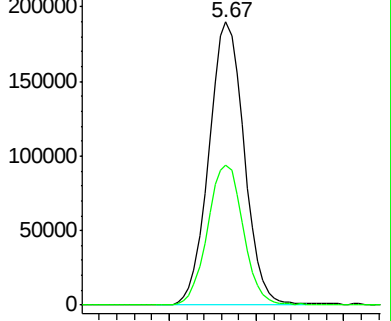
168 100

99 49.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.487 ug/l

RT: 3.07 min Scan# 315

Delta R.T. -0.00 min

Lab File: VX007212.D

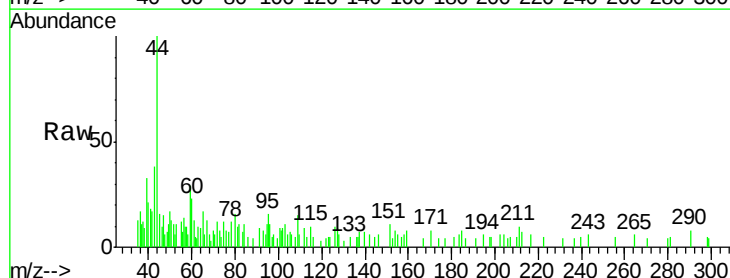
Acq: 24 Jan 2019 19:02

Tgt Ion: 59 Resp: 639

Ion Ratio Lower Upper

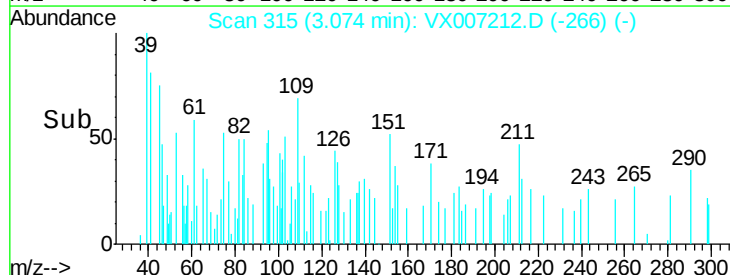
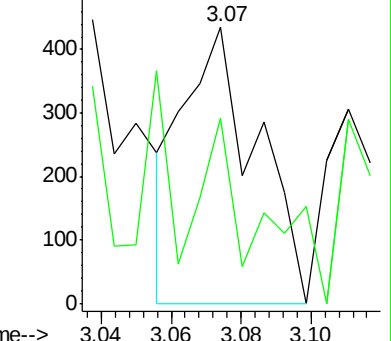
59 100

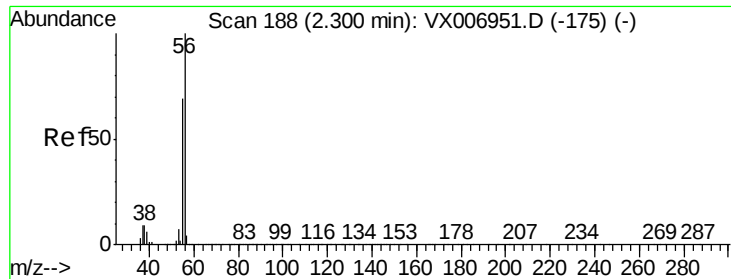
57 18.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 3.707 ug/l

RT: 2.32 min Scan# 191

Delta R.T. 0.02 min

Lab File: VX007212.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

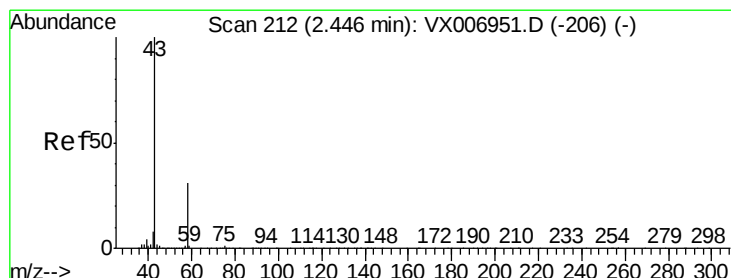
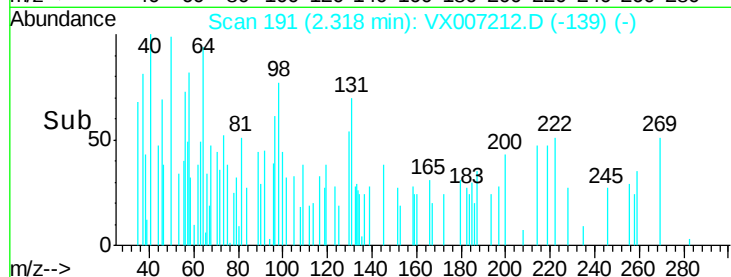
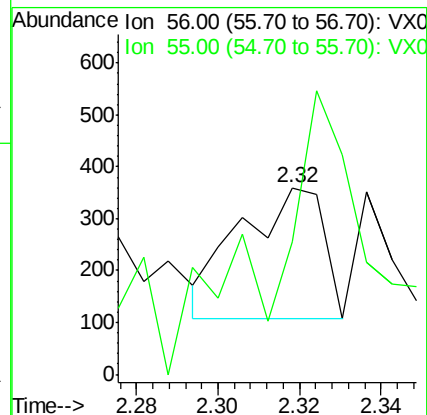
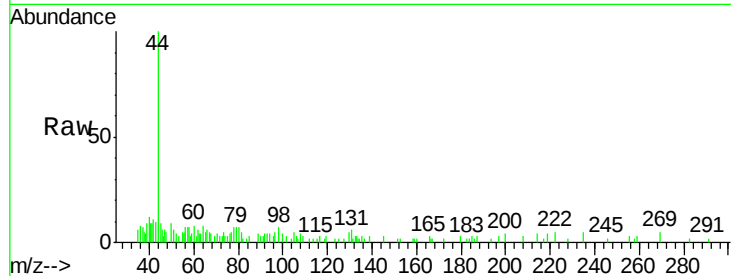
PB116589ZHE#04

Tot Ion: 56 Resp: 357

Ion Ratio Lower Upper

56 100

55 269.7 58.2 87.4#



#16

Acetone

Concen: 5.919 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007212.D

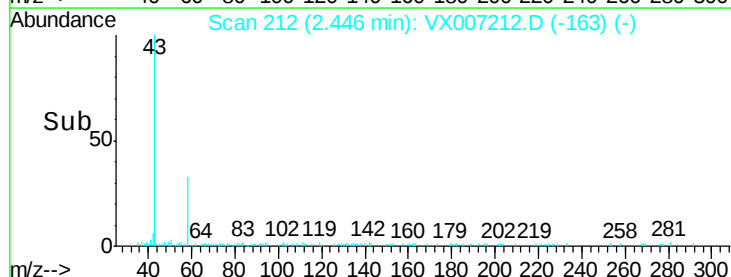
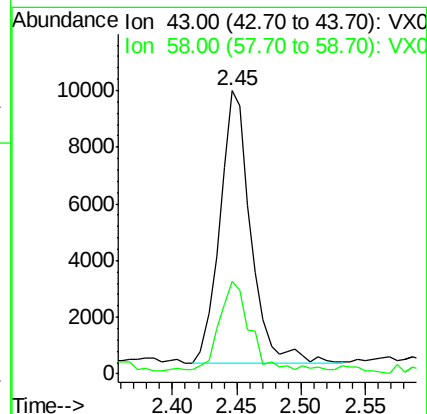
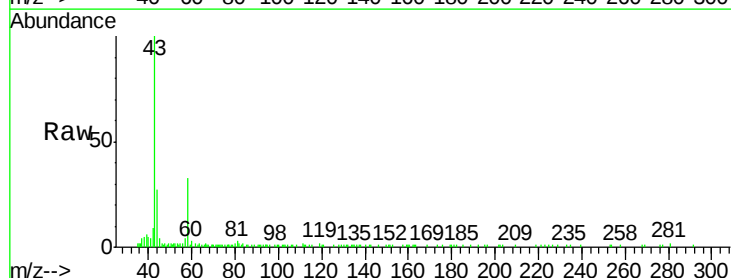
Acq: 24 Jan 2019 19:02

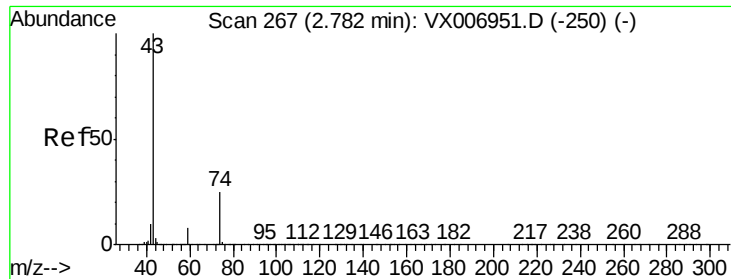
Tgt Ion: 43 Resp: 16284

Ion Ratio Lower Upper

43 100

58 32.5 25.0 37.6

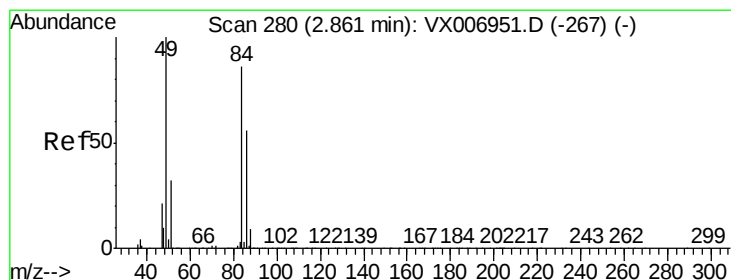
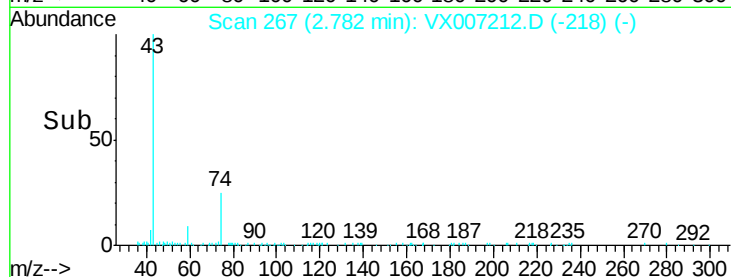
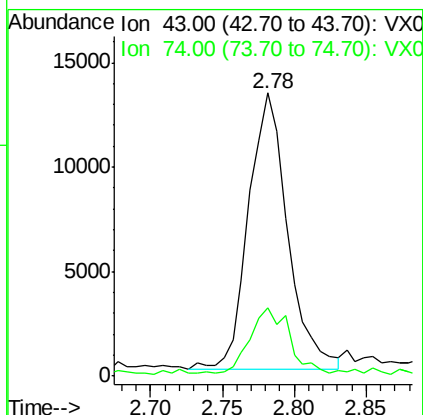
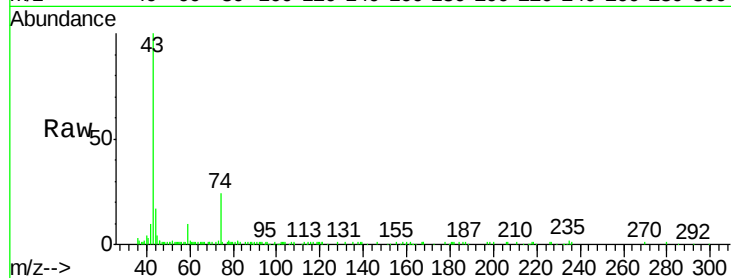




#18
Methyl Acetate
Concen: 3.119 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007212.D
Acq: 24 Jan 2019 19:02

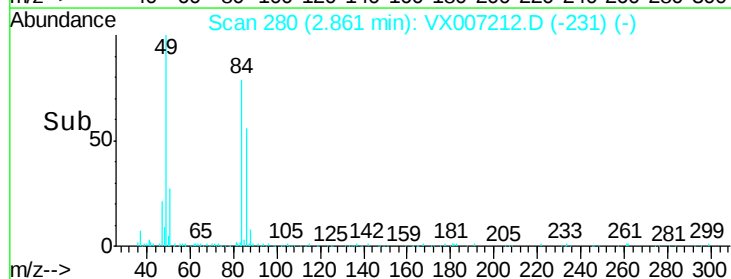
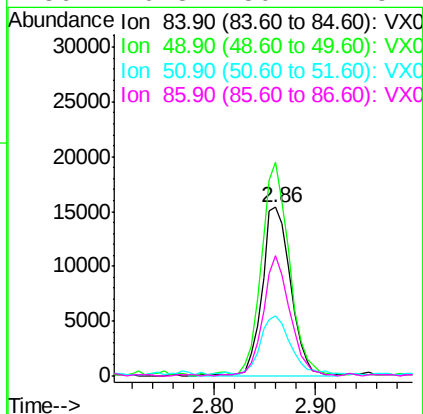
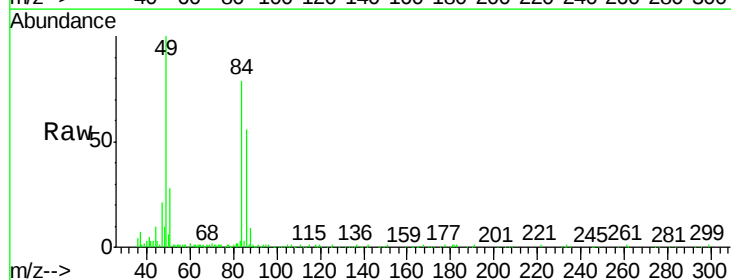
Instrument :
MSVOA_X
ClientSampleId :
PB116589ZHE#04

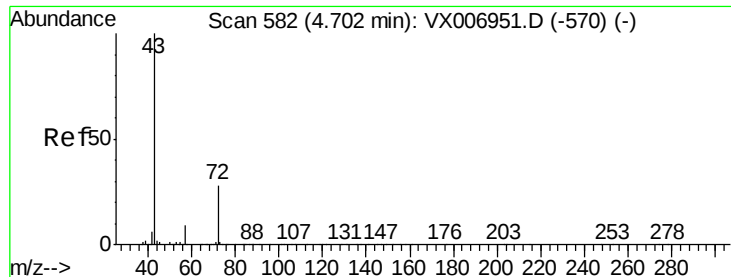
Tot Ion: 43 Resp: 24852
Ion Ratio Lower Upper
43 100
74 23.7 18.6 28.0



#20
Methylene Chloride
Concen: 5.263 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007212.D
Acq: 24 Jan 2019 19:02

Tgt Ion: 84 Resp: 30188
Ion Ratio Lower Upper
84 100
49 125.9 91.8 137.6
51 34.3 28.5 42.7
86 70.8 50.2 75.2





#25

2-Butanone

Concen: 0.846 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX007212.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

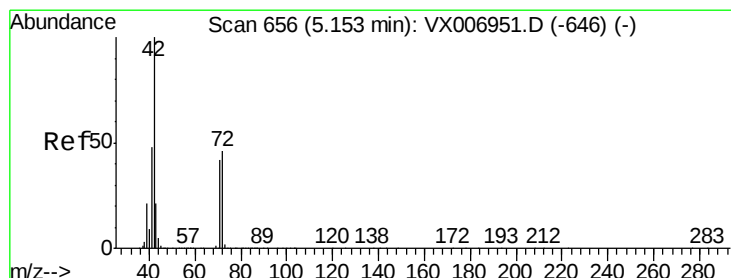
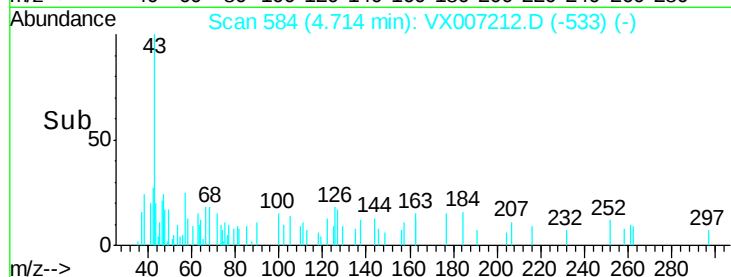
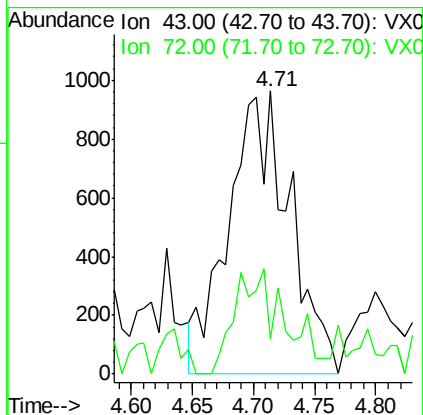
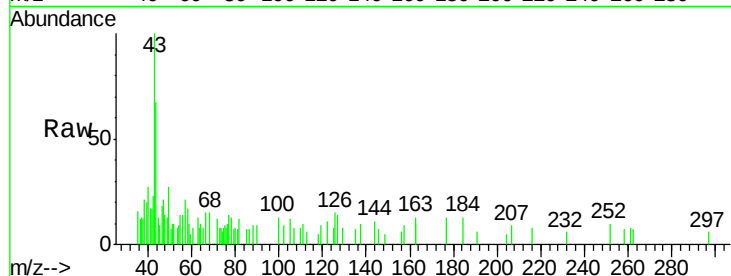
PB116589ZHE#04

Tot Ion: 43 Resp: 3331

Ion Ratio Lower Upper

43 100

72 0.0 22.4 33.6#



#29

Tetrahydrofuran

Concen: 0.336 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007212.D

Acq: 24 Jan 2019 19:02

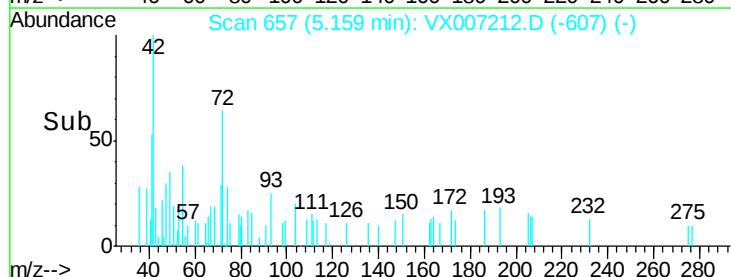
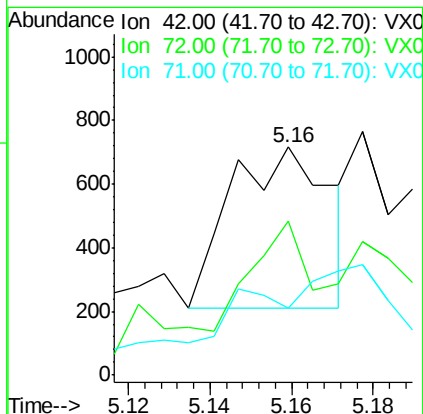
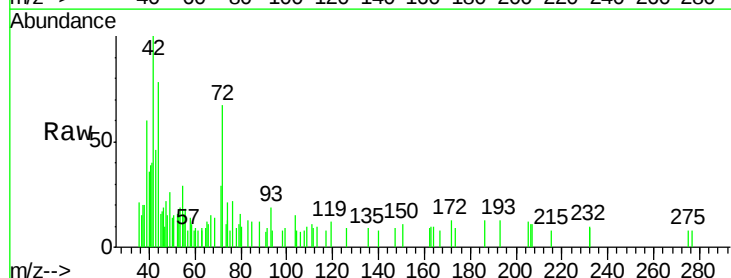
Tgt Ion: 42 Resp: 860

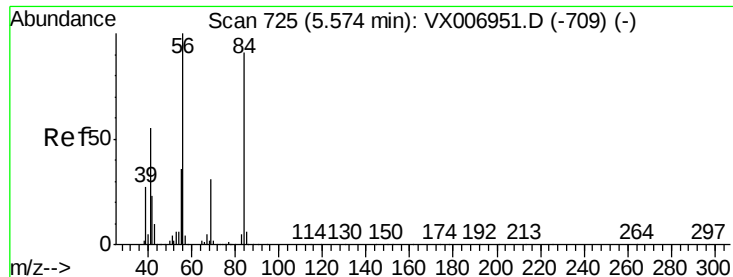
Ion Ratio Lower Upper

42 100

72 49.8 38.9 58.3

71 0.0 36.2 54.4#

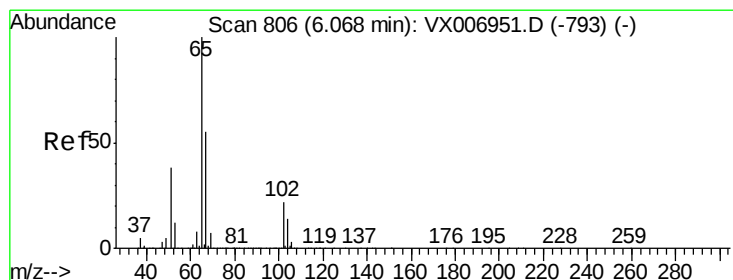
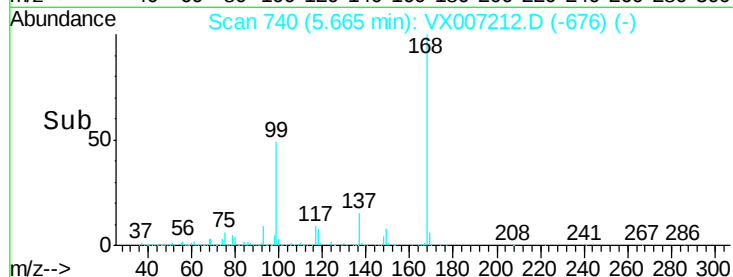
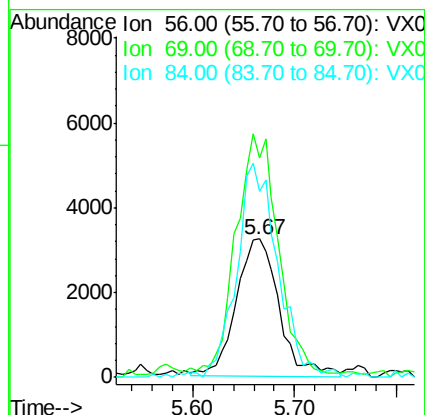
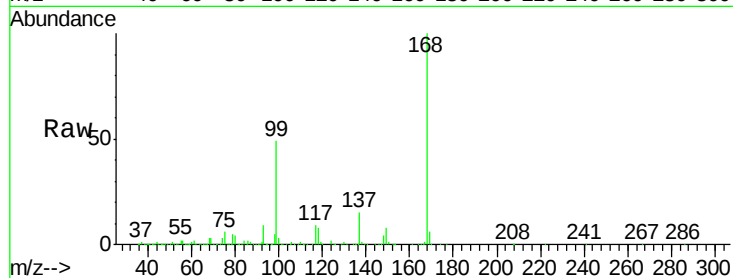




#31
Cyclohexane
Concen: 1.207 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007212.D
Acq: 24 Jan 2019 19:02

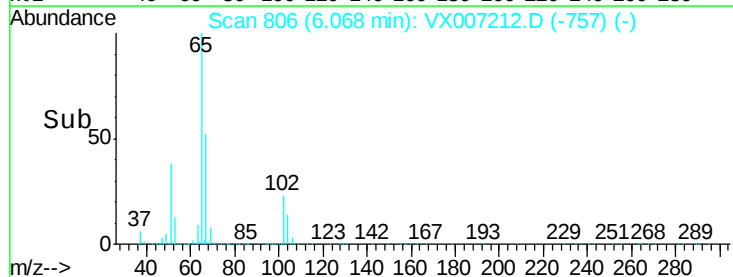
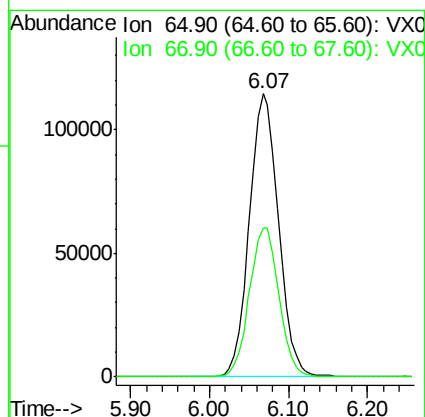
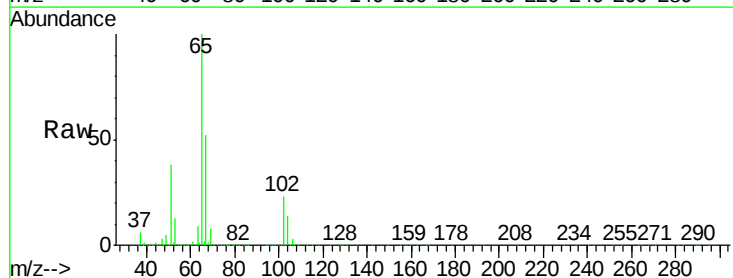
Instrument :
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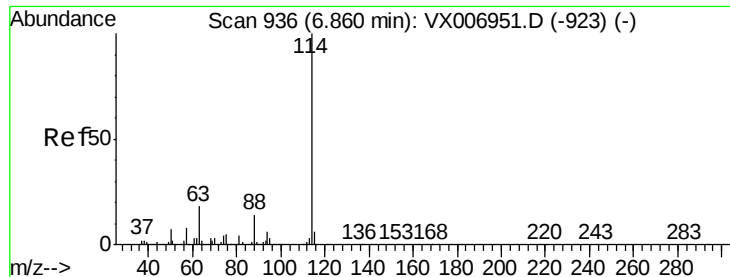
Tot Ion: 56 Resp: 9473
Ion Ratio Lower Upper
56 100
69 160.2 24.4 36.6#
84 136.5 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 52.942 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007212.D
Acq: 24 Jan 2019 19:02

Tgt Ion: 65 Resp: 294615
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: VX007212.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#04

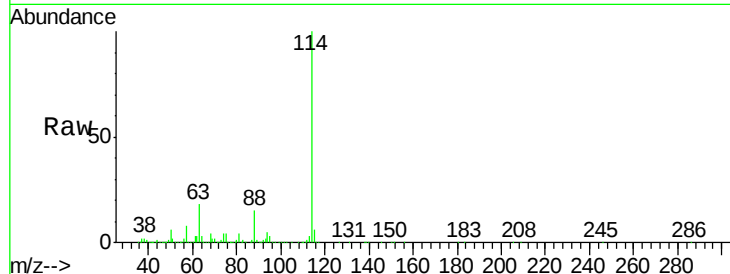
Tot Ion:114 Resp: 835280

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

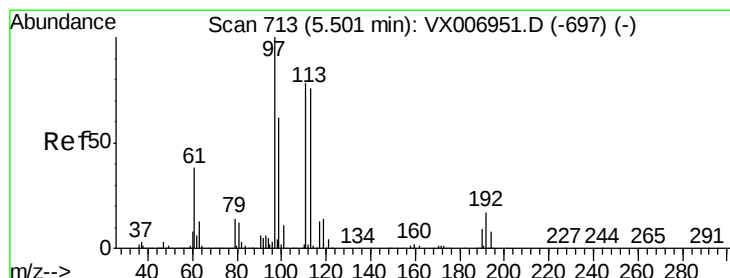
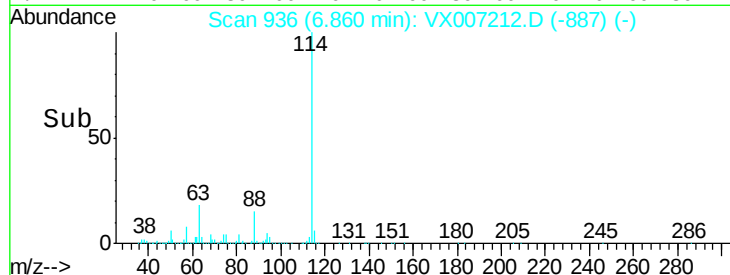
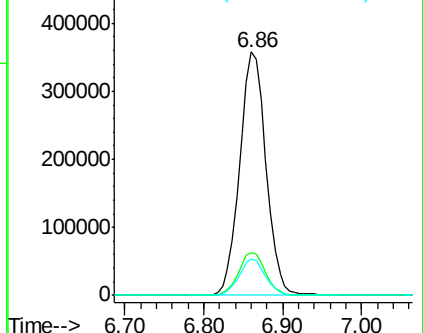
88 15.0 0.0 28.8



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: 49.312 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007212.D

Acq: 24 Jan 2019 19:02

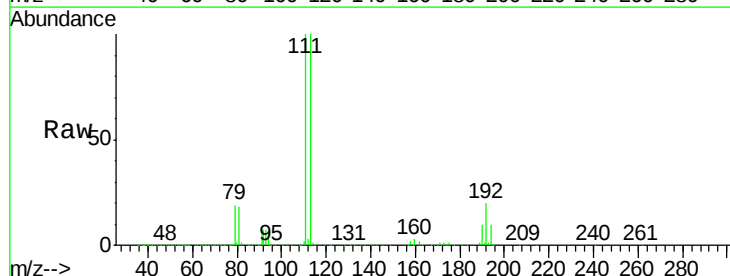
Tgt Ion:113 Resp: 263776

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

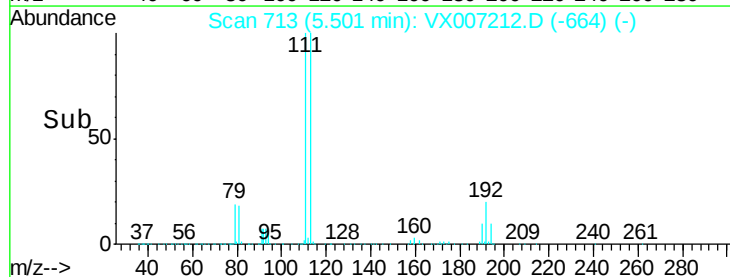
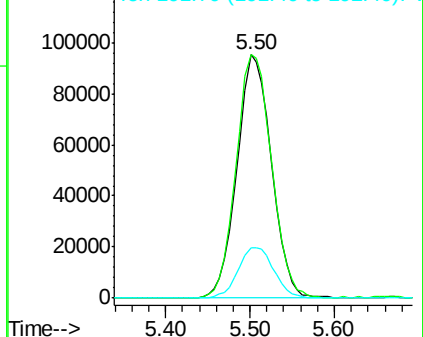
192 21.7 16.7 25.1

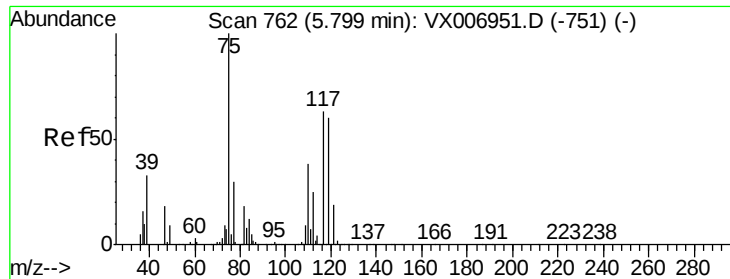


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.585 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007212.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#04

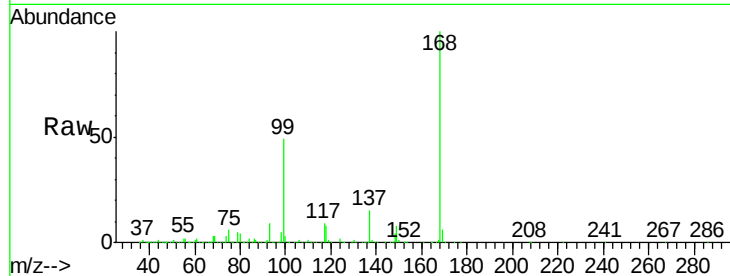
Tot Ion: 75 Resp: 33295

Ion Ratio Lower Upper

75 100

110 10.9 20.2 60.5#

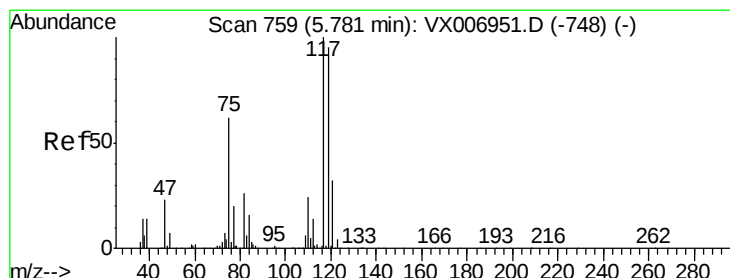
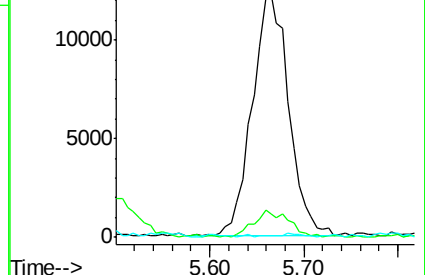
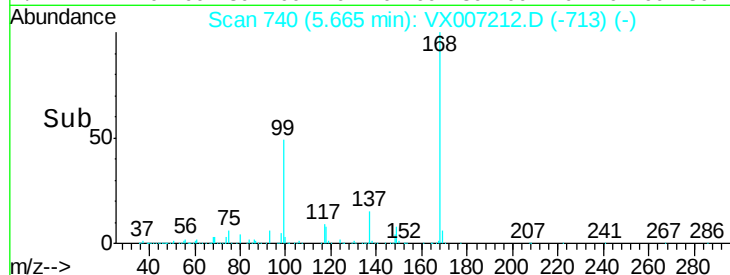
77 0.4 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX007212.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX007212.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX007212.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.429 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007212.D

Acq: 24 Jan 2019 19:02

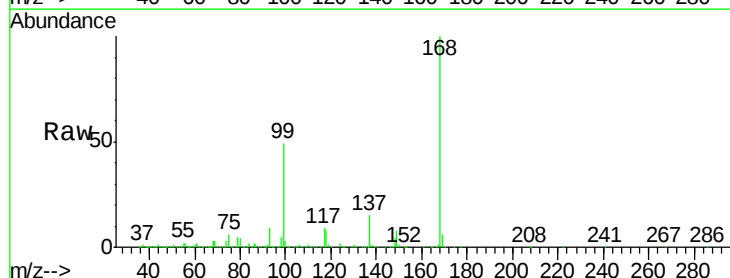
Tgt Ion: 117 Resp: 46976

Ion Ratio Lower Upper

117 100

119 6.2 79.4 119.2#

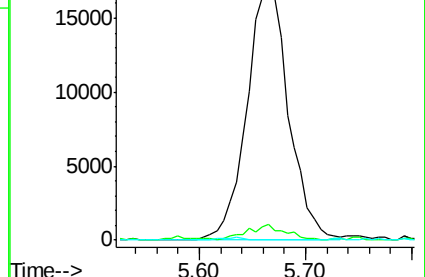
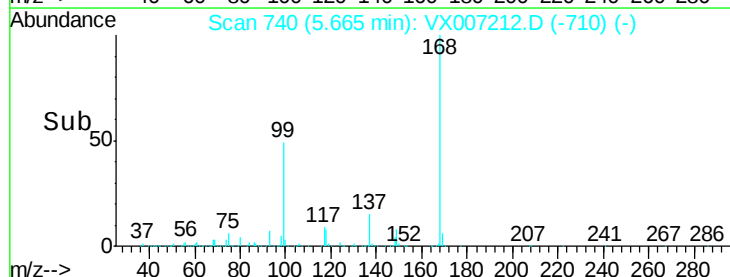
121 0.0 24.0 36.0#

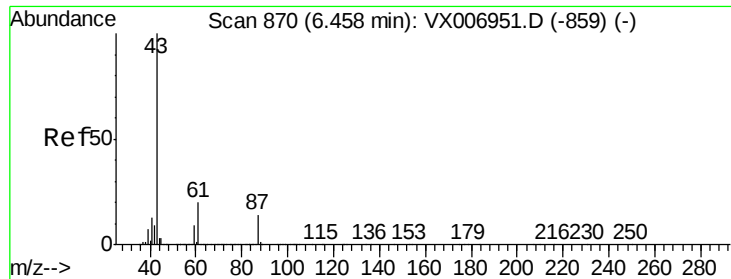


Abundance Ion 116.80 (116.50 to 117.50): VX007212.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX007212.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX007212.D (-710) (-)





#43

Isopropyl Acetate

Concen: 2.291 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007212.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#04

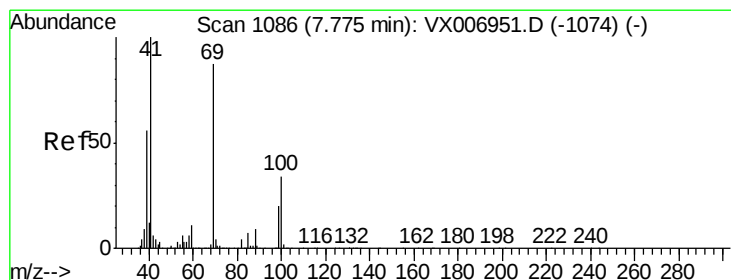
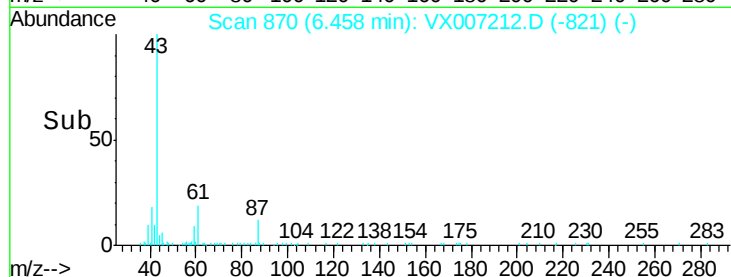
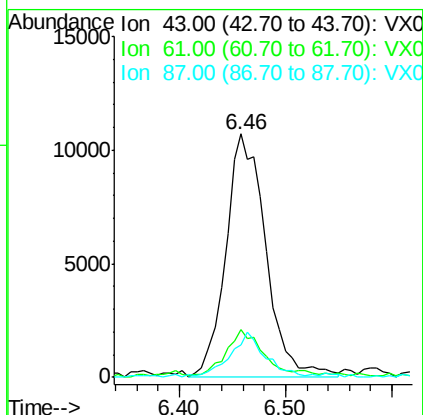
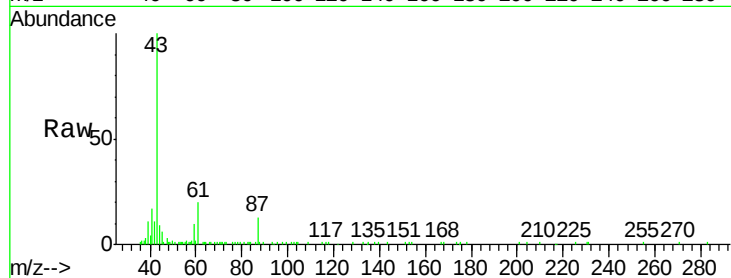
Tot Ion: 43 Resp: 28141

Ion Ratio Lower Upper

43 100

61 16.4 16.8 25.2#

87 16.4 12.4 18.6



#48

Methyl methacrylate

Concen: 2.192 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.10 min

Lab File: VX007212.D

Acq: 24 Jan 2019 19:02

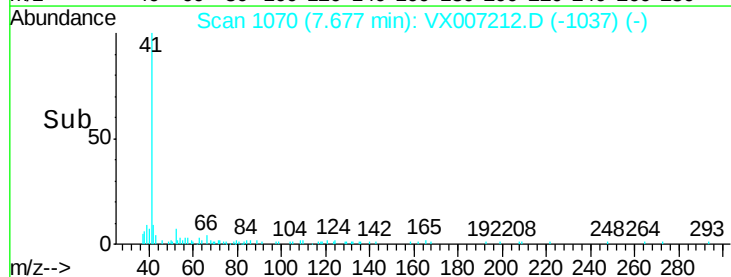
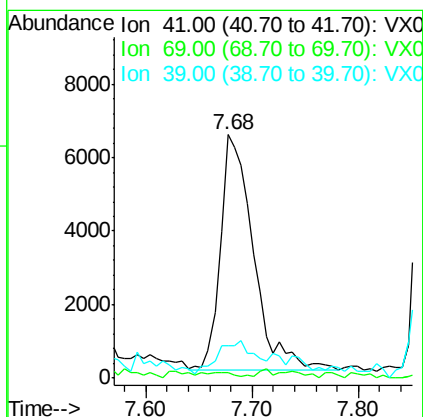
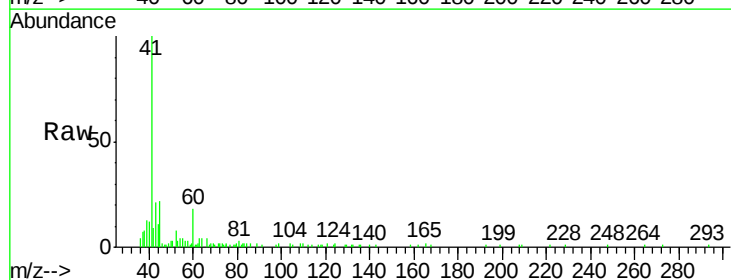
Tgt Ion: 41 Resp: 13821

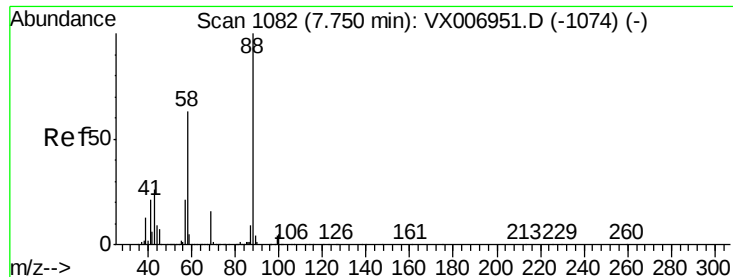
Ion Ratio Lower Upper

41 100

69 2.0 72.4 108.6#

39 0.0 45.8 68.8#

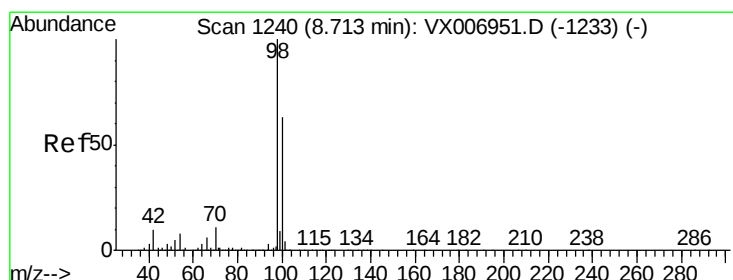
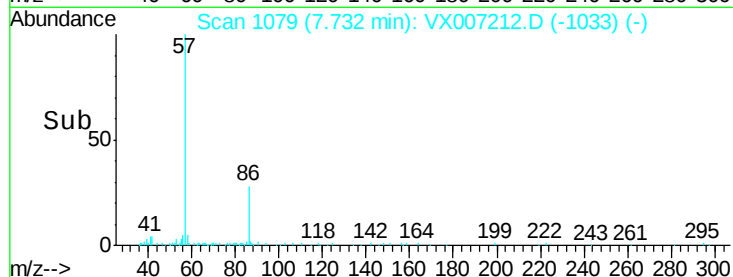
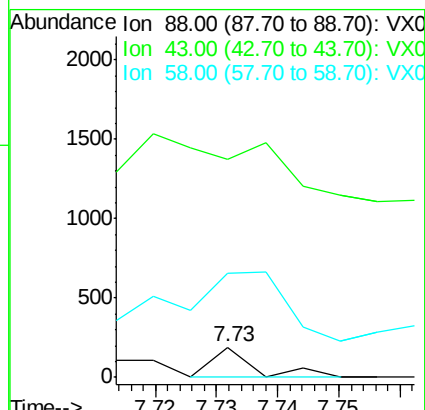
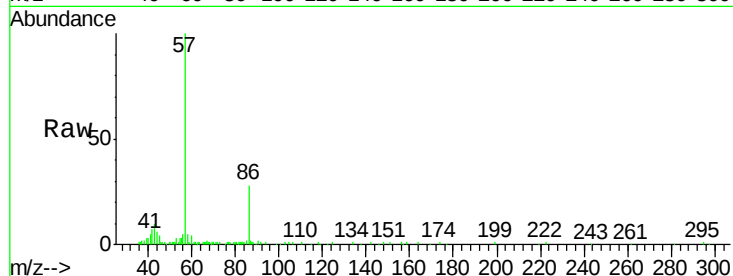




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.73 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VX007212.D
Acq: 24 Jan 2019 19:02

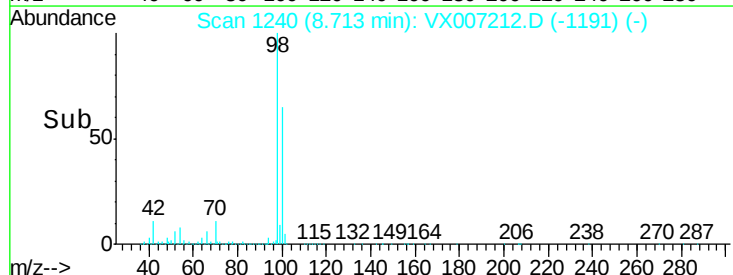
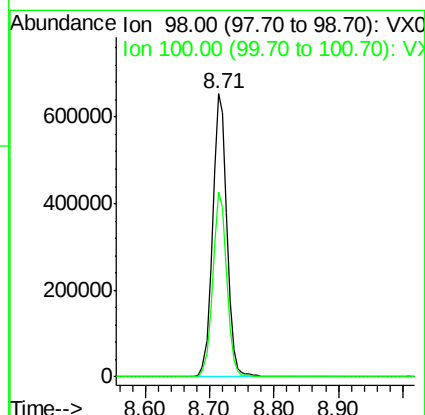
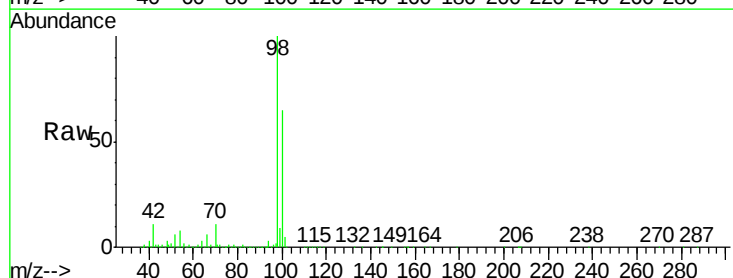
Instrument :
MSVOA_X
ClientSampleId :
PB116589ZHE#04

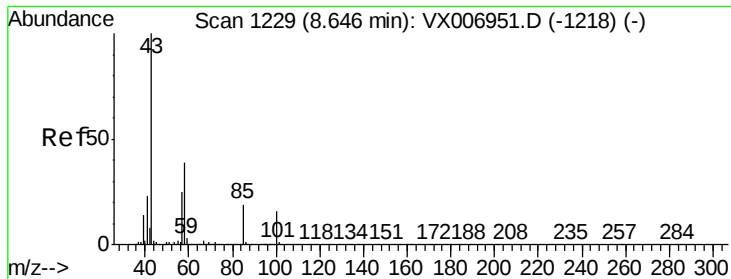
Tot Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 1203.3 51.0 76.4#



#50
Toluene-d8
Concen: 52.046 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007212.D
Acq: 24 Jan 2019 19:02

Tgt Ion: 98 Resp: 1019032
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

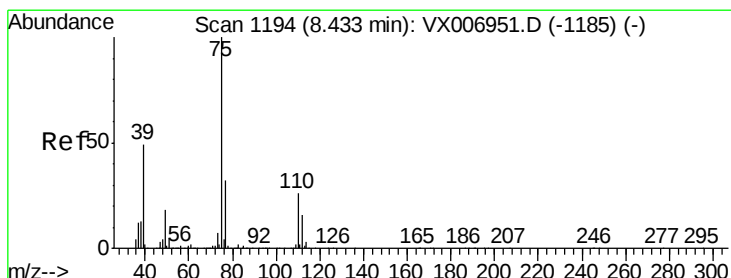
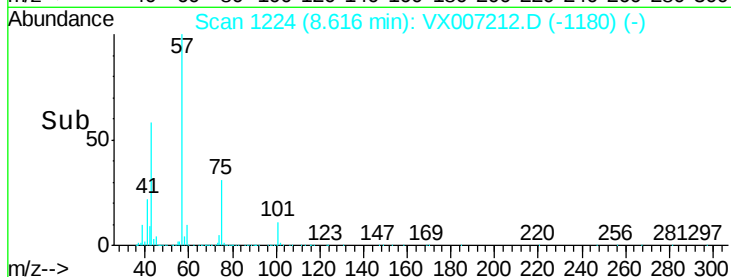
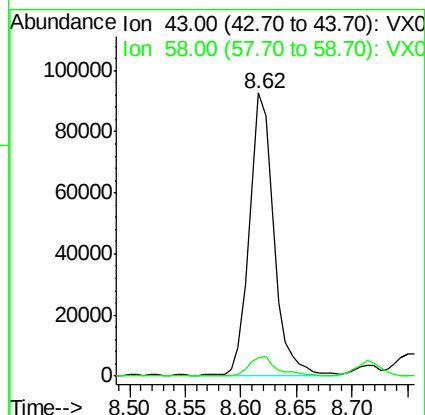
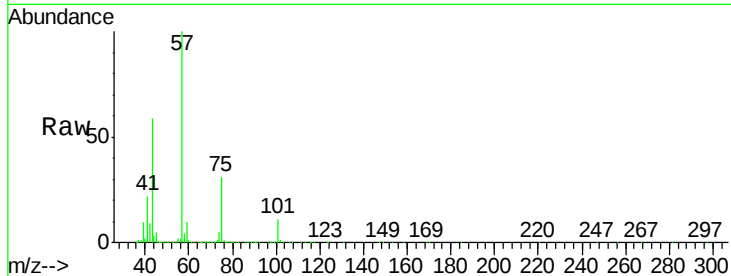




#51
4-Methyl-2-Pentanone
Concen: 17.864 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX007212.D
Acq: 24 Jan 2019 19:02

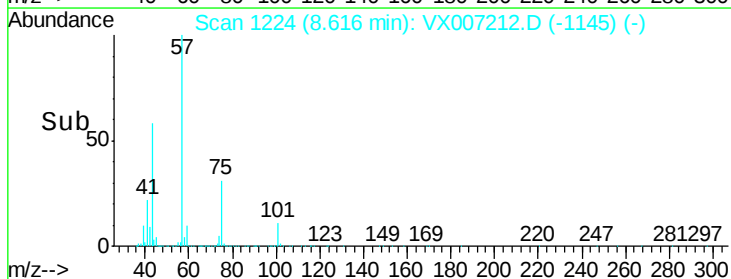
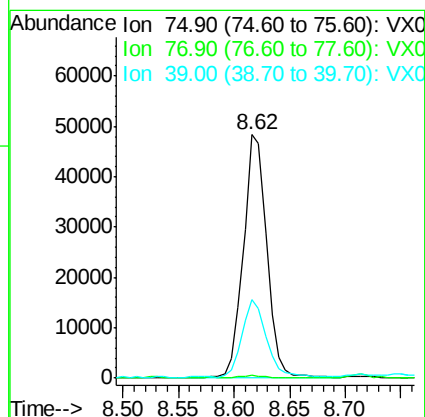
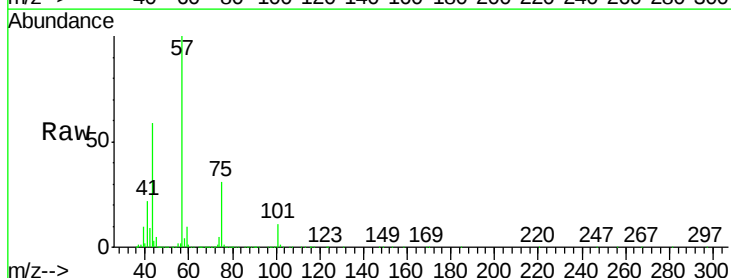
Instrument :
MSVOA_X
ClientSampleId :
PB116589ZHE#04

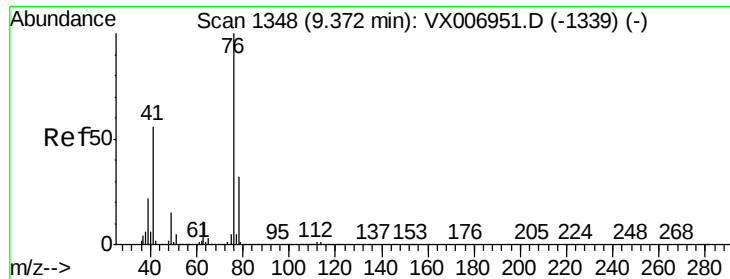
Tot Ion: 43 Resp: 140985
Ion Ratio Lower Upper
43 100
58 8.1 31.8 47.6#



#54
cis-1,3-Dichloropropene
Concen: 8.711 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. 0.18 min
Lab File: VX007212.D
Acq: 24 Jan 2019 19:02

Tgt Ion: 75 Resp: 71085
Ion Ratio Lower Upper
75 100
77 0.9 26.2 39.2#
39 31.7 36.7 55.1#





#57

1,3-Dichloropropane

Concen: 1.822 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX007212.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

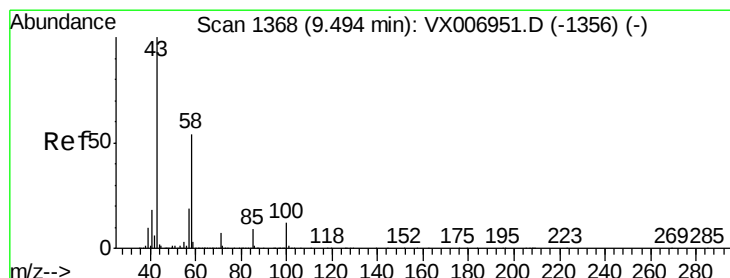
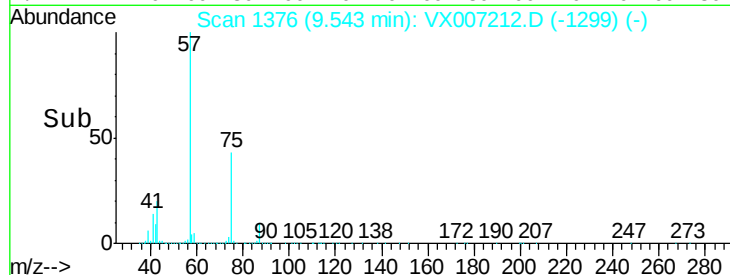
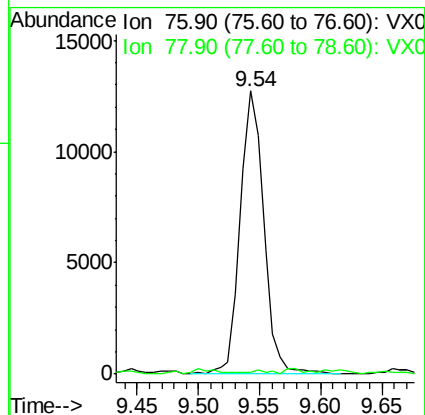
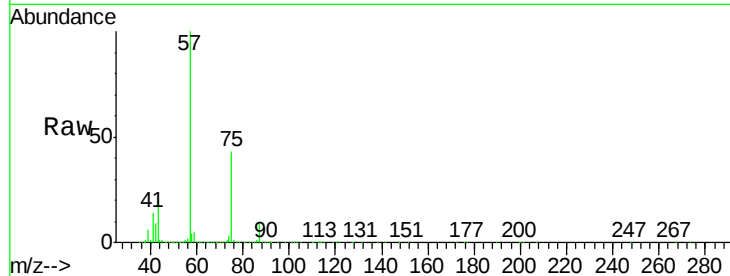
PB116589ZHE#04

Tot Ion: 76 Resp: 17012

Ion Ratio Lower Upper

76 100

78 1.2 26.0 39.0#



#59

2-Hexanone

Concen: 36.884 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX007212.D

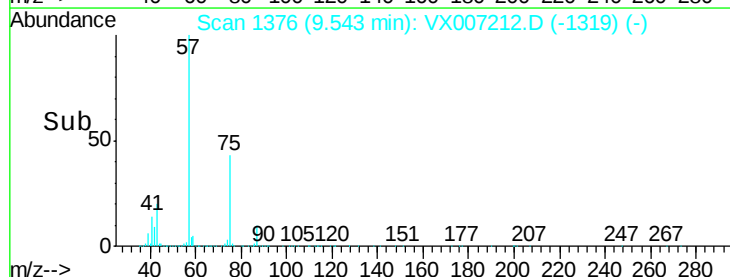
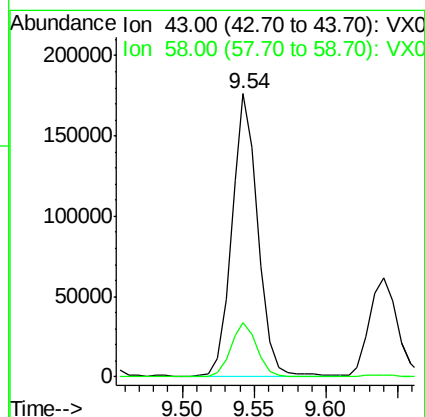
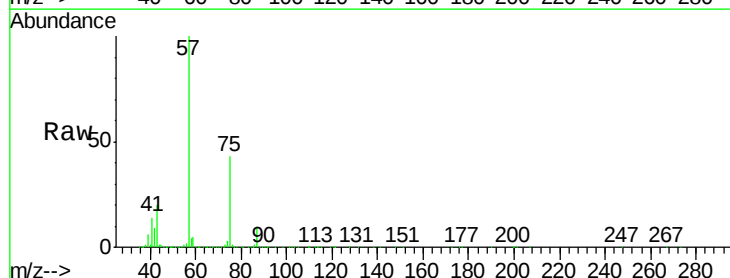
Acq: 24 Jan 2019 19:02

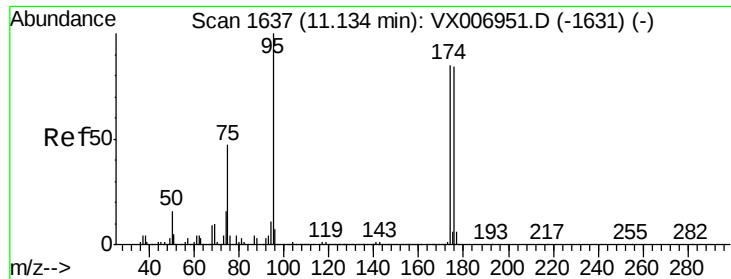
Tgt Ion: 43 Resp: 221833

Ion Ratio Lower Upper

43 100

58 19.9 27.7 83.1#

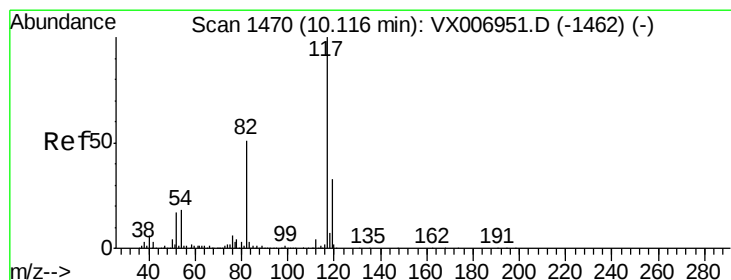
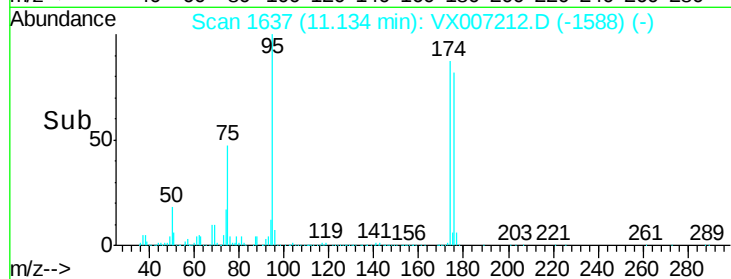
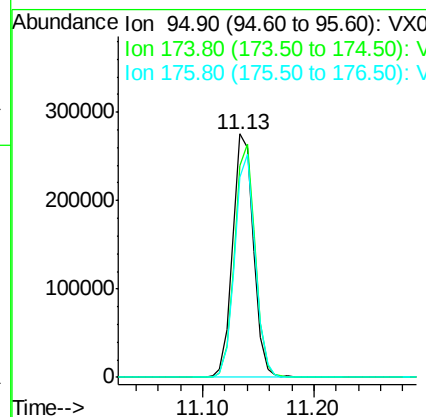
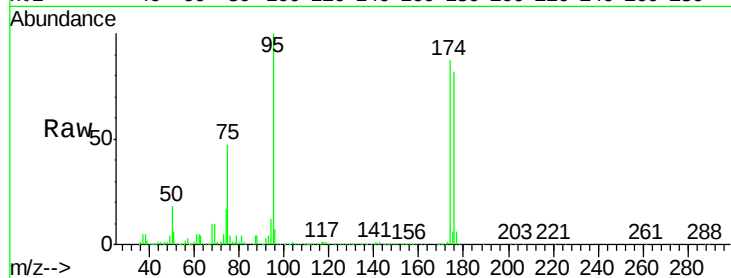




#62
4-Bromofluorobenzene
Concen: 52.180 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007212.D
Acq: 24 Jan 2019 19:02

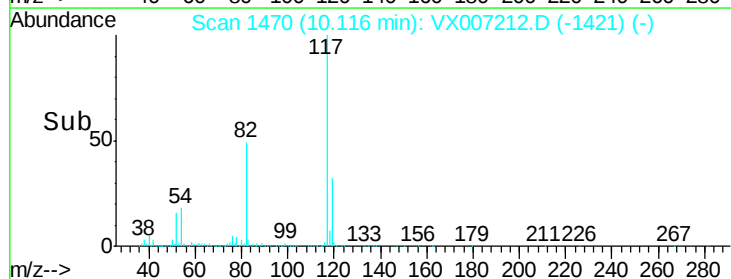
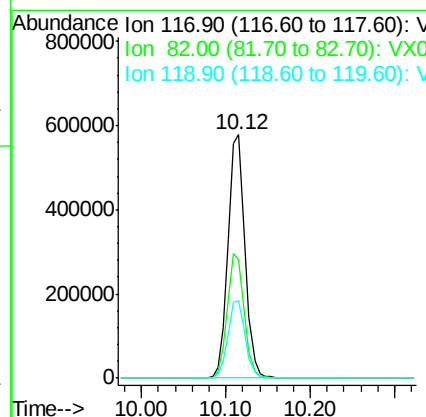
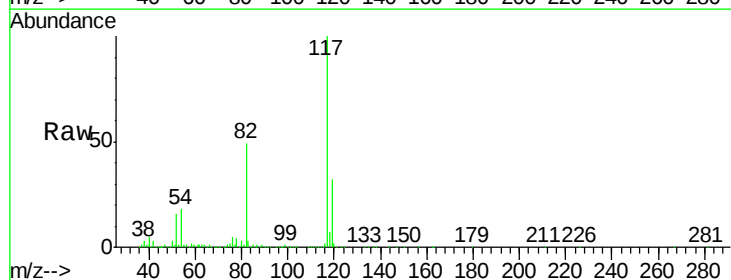
Instrument :
MSVOA_X
ClientSampleId :
PB116589ZHE#04

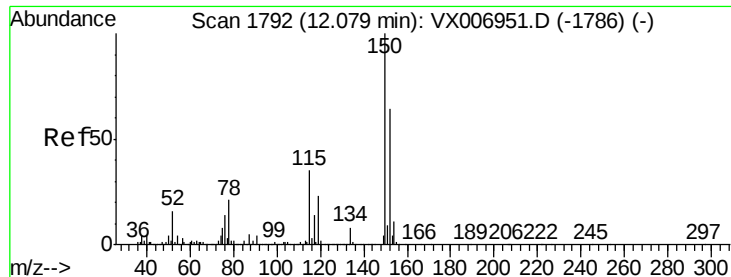
Tot Ion: 95 Resp: 356172
Ion Ratio Lower Upper
95 100
174 94.1 0.0 182.2
176 90.2 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007212.D
Acq: 24 Jan 2019 19:02

Tgt Ion: 117 Resp: 803764
Ion Ratio Lower Upper
117 100
82 48.6 41.0 61.6
119 31.7 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: VX007212.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#04

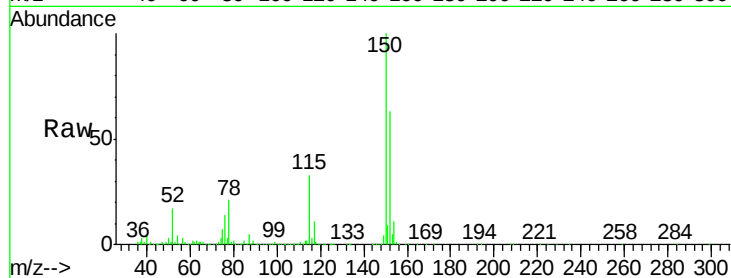
Tot Ion:152 Resp: 383031

Ion Ratio Lower Upper

152 100

115 54.4 39.1 117.2

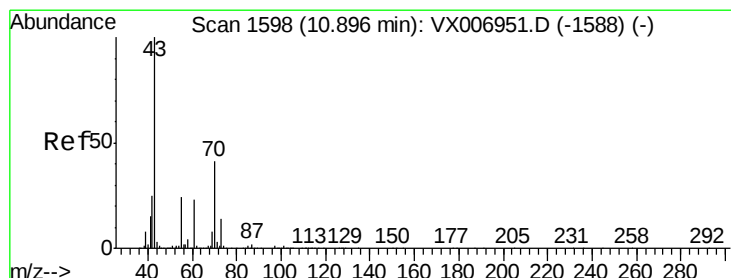
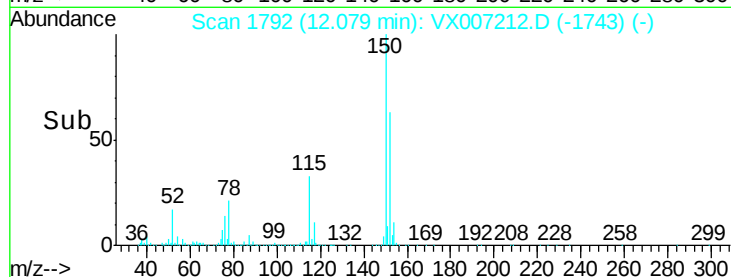
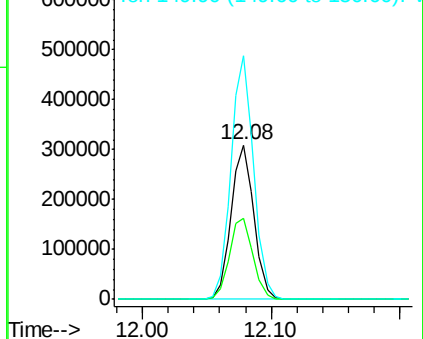
150 156.5 0.0 344.8



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



#74

N-ethyl acetate

Concen: 2.018 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX007212.D

Acq: 24 Jan 2019 19:02

Tgt Ion: 43 Resp: 21950

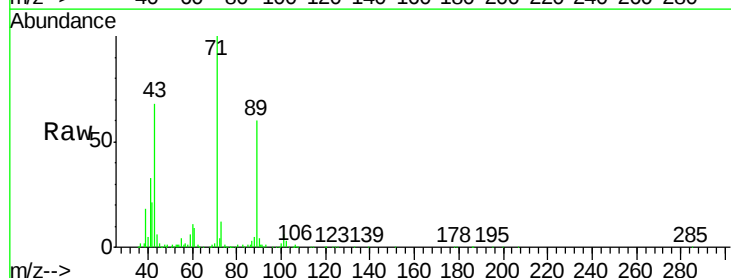
Ion Ratio Lower Upper

43 100

70 3.6 35.8 53.8#

55 7.2 19.4 29.0#

61 11.1 20.1 30.1#

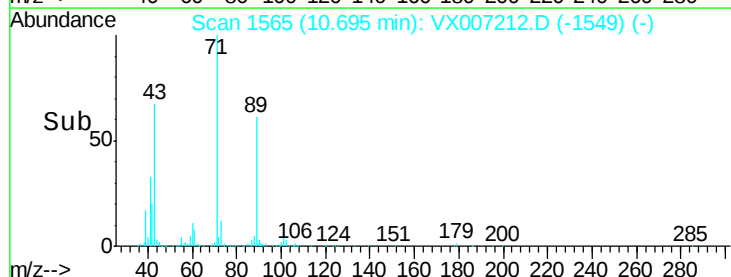
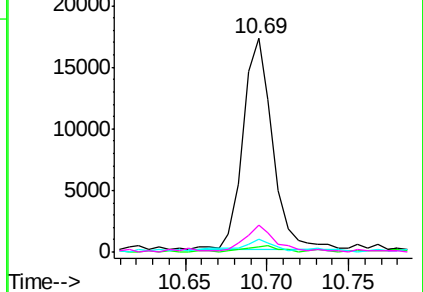


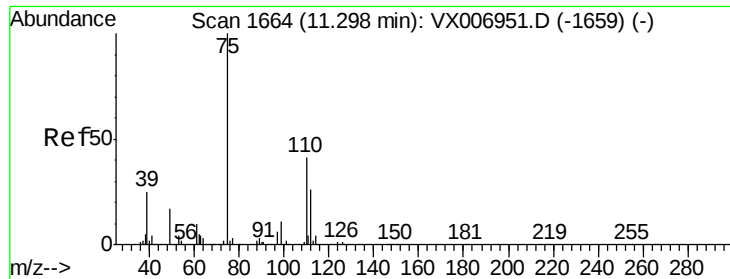
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 21.517 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007212.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

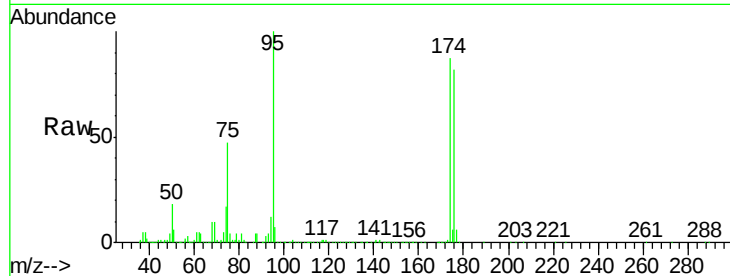
PB116589ZHE#04

Tot Ion: 75 Resp: 167016

Ion Ratio Lower Upper

75 100

77 1.4 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

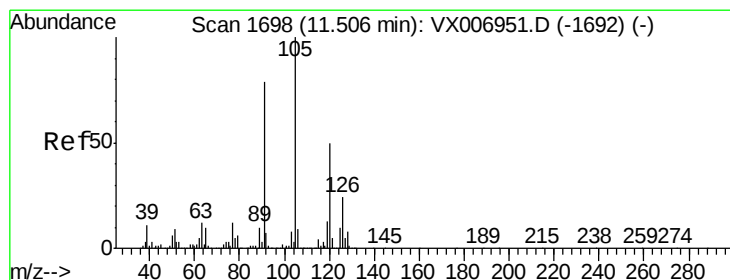
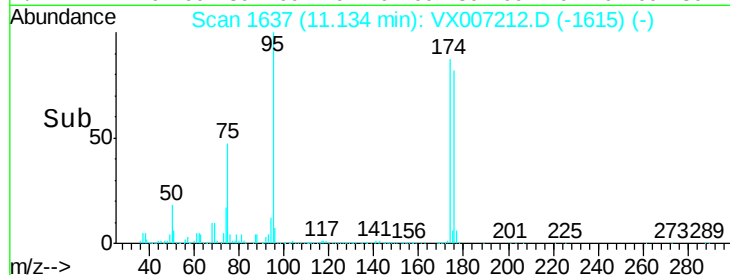
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.218 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007212.D

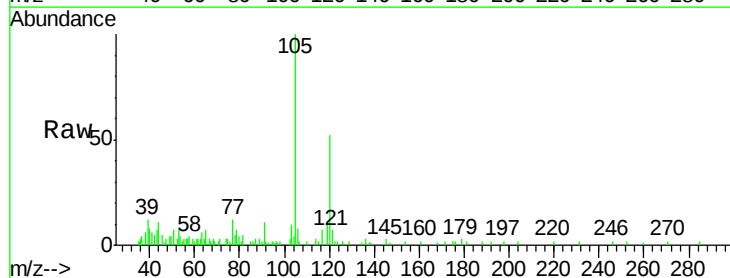
Acq: 24 Jan 2019 19:02

Tgt Ion:105 Resp: 4912

Ion Ratio Lower Upper

105 100

120 52.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

4000

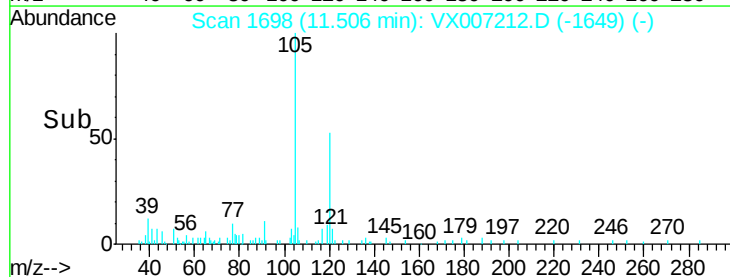
3000

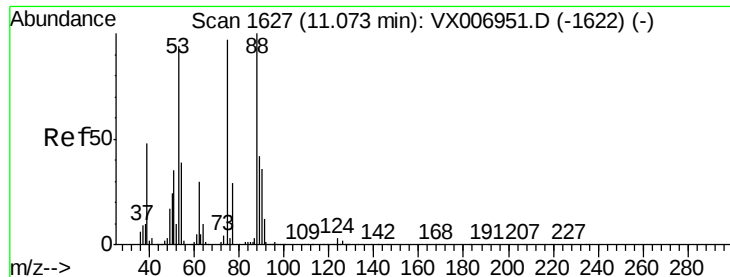
2000

1000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 63.806 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007212.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#04

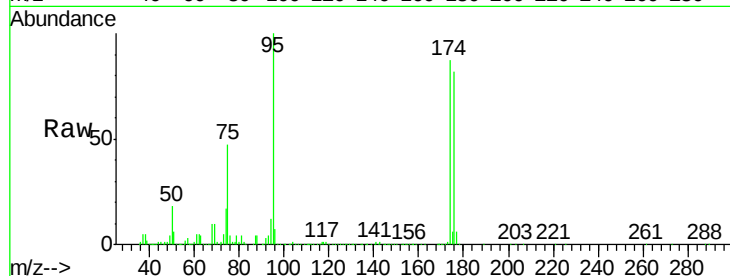
Tot Ion: 75 Resp: 167016

Ion Ratio Lower Upper

75 100

53 0.4 79.7 119.5#

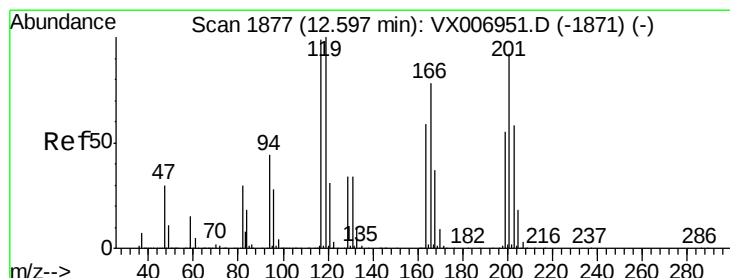
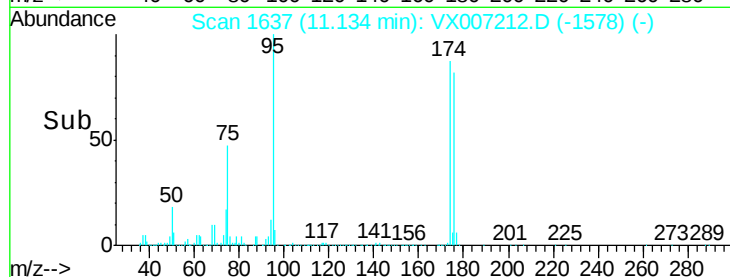
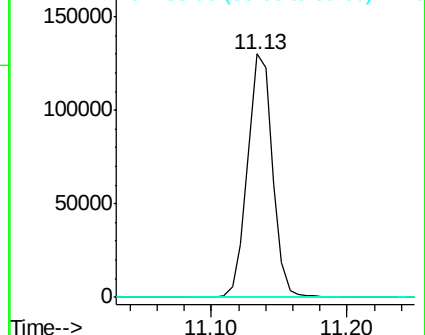
89 0.1 38.0 57.0#



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



#90

Hexachloroethane

Concen: 2.915 ug/l

RT: 12.63 min Scan# 1883

Delta R.T. 0.04 min

Lab File: VX007212.D

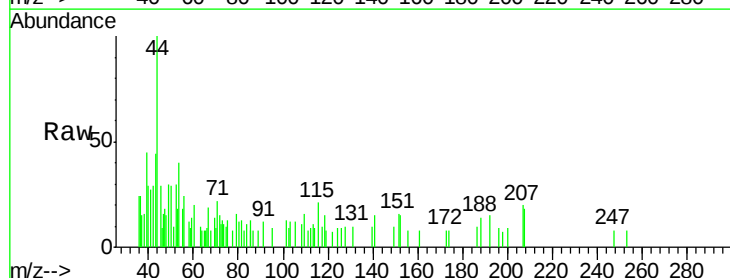
Acq: 24 Jan 2019 19:02

Tgt Ion: 117 Resp: 26

Ion Ratio Lower Upper

117 100

201 107.7 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

