

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012419\
 Data File : VX007213.D
 Acq On : 24 Jan 2019 19:29
 Operator : JC/SP
 Sample : PB116589ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB116589ZHE#05

Quant Time: Jan 25 00:06:28 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	516477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	803311	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	783086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	378522	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	282489	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
35) Dibromofluoromethane	5.51	113	252144	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	8.71	98	995485	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
62) 4-Bromofluorobenzene	11.13	95	350804	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	

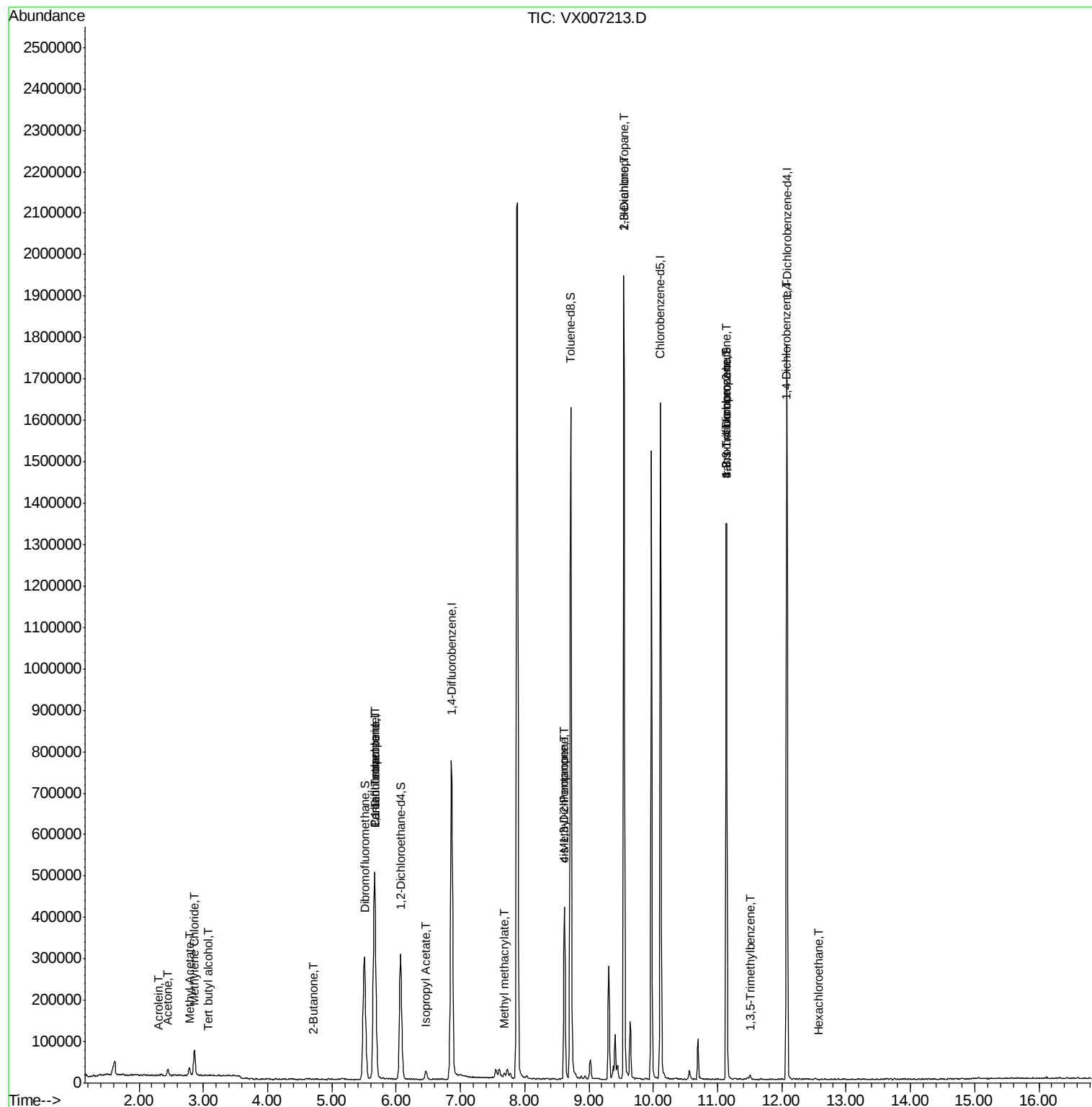
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	438	0.344	ug/l #	61
13) Acrolein	2.30	56	359	3.730	ug/l #	33
16) Acetone	2.45	43	17168	6.434	ug/l	100
18) Methyl Acetate	2.78	43	26142	3.383	ug/l	99
20) Methylene Chloride	2.85	84	29360	5.279	ug/l	98
25) 2-Butanone	4.71	43	2635	0.690	ug/l	92
36) 1,1-Dichloropropene	5.66	75	32910	4.712	ug/l #	39
38) Carbon Tetrachloride	5.66	117	46157	6.569	ug/l #	14
43) Isopropyl Acetate	6.46	43	26141	2.213	ug/l	100
48) Methyl methacrylate	7.68	41	13305	2.194	ug/l #	12
49) 1,4-Dioxane	7.74	88	98	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.62	43	135851	17.898	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	67519	8.603	ug/l #	67
57) 1,3-Dichloropropane	9.54	76	16968	1.889	ug/l #	46
59) 2-Hexanone	9.54	43	215597	37.273	ug/l #	50
76) 1,2,3-Trichloropropane	11.13	75	169433	22.089	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	4503	0.202	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.13	75	169433	65.400	ug/l #	10
88) 1,4-Dichlorobenzene	12.07	146	809	0.209	ug/l #	1
90) Hexachloroethane	12.57	117	100	2.933	ug/l	75

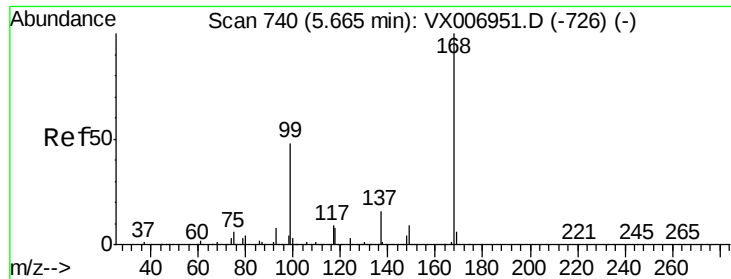
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007213.D

Acq: 24 Jan 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

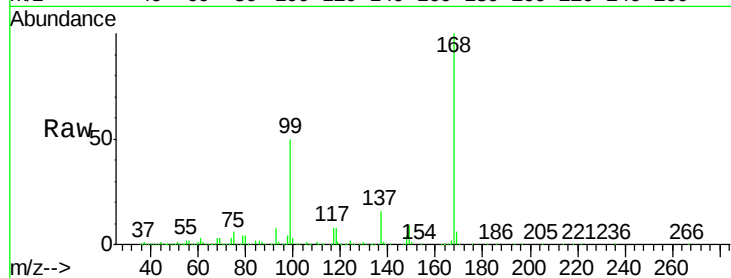
PB116589ZHE#05

Tot Ion:168 Resp: 516477

Ion Ratio Lower Upper

168 100

99 49.6 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

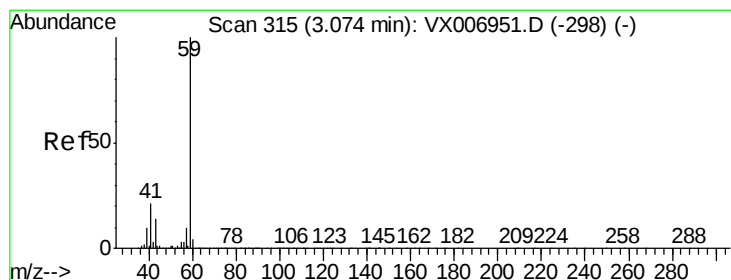
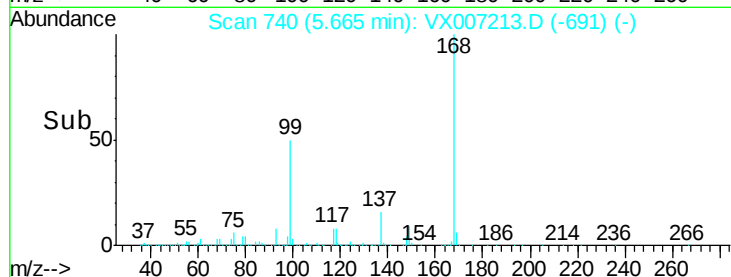
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.344 ug/l

RT: 3.07 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX007213.D

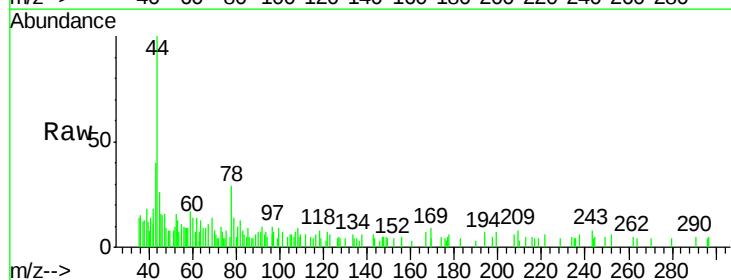
Acq: 24 Jan 2019 19:29

Tgt Ion: 59 Resp: 438

Ion Ratio Lower Upper

59 100

57 25.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

400

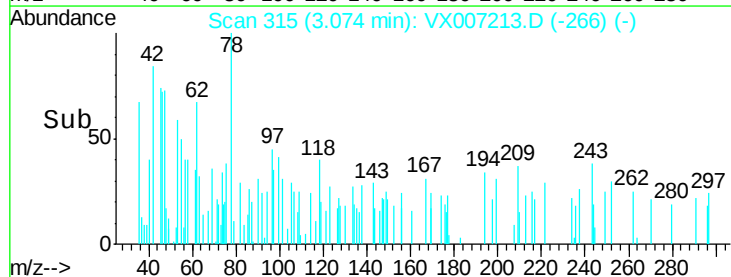
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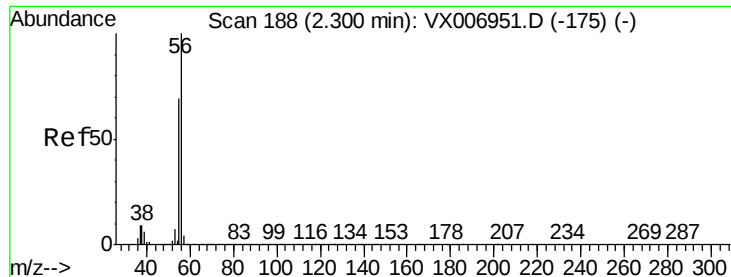
200

100

0

Time-->





#13

Acrolein

Concen: 3.730 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

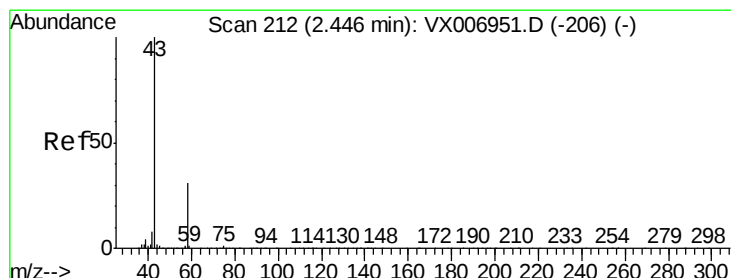
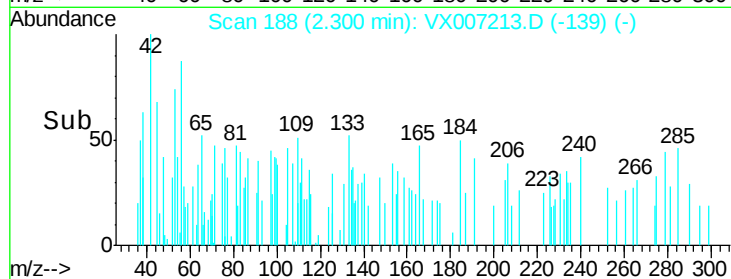
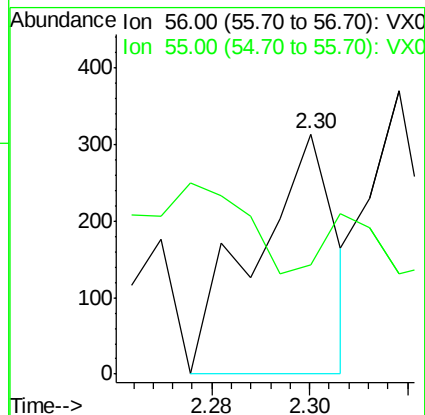
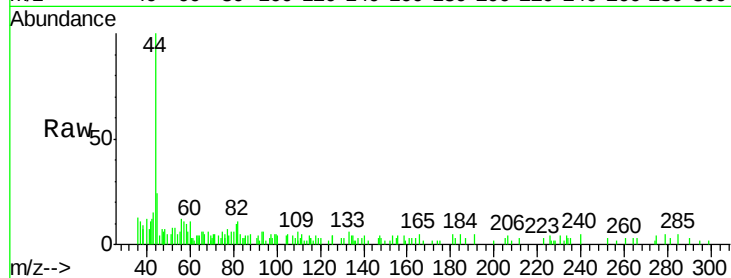
PB116589ZHE#05

Tot Ion: 56 Resp: 359

Ion Ratio Lower Upper

56 100

55 16.4 58.2 87.4#



#16

Acetone

Concen: 6.434 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007213.D

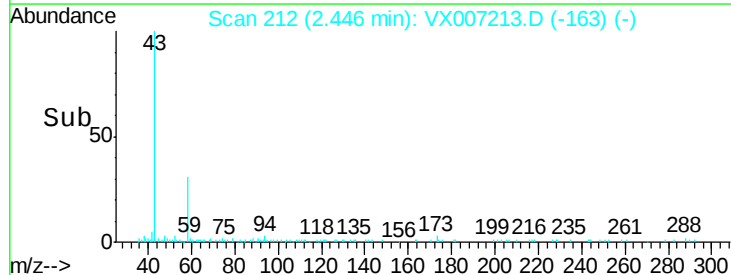
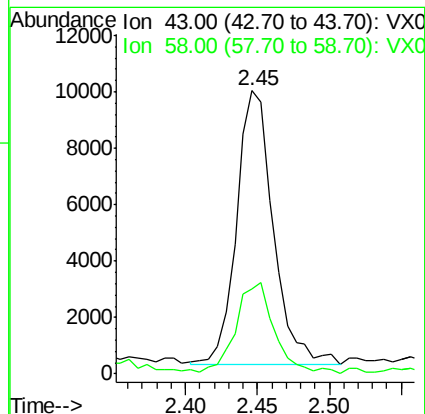
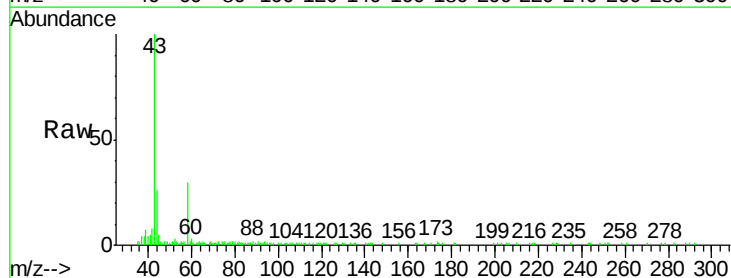
Acq: 24 Jan 2019 19:29

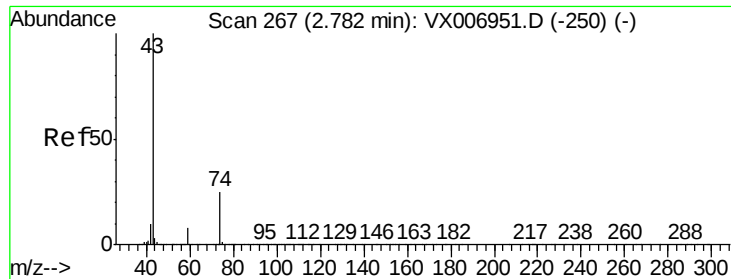
Tgt Ion: 43 Resp: 17168

Ion Ratio Lower Upper

43 100

58 31.3 25.0 37.6

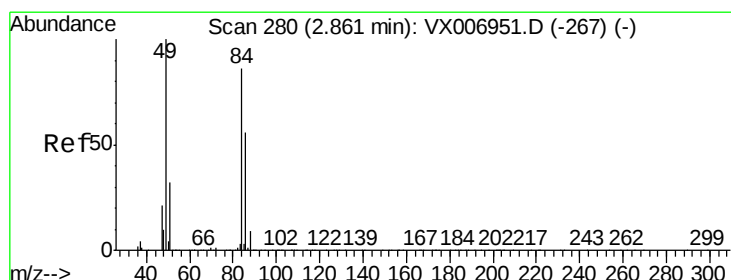
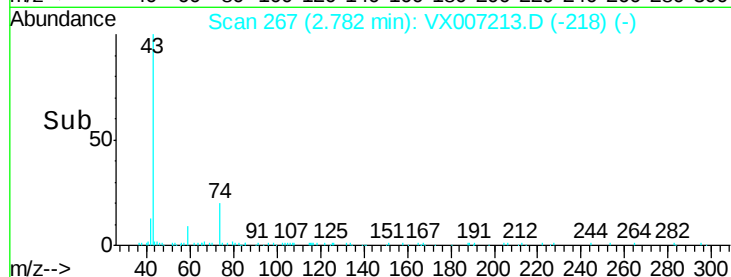
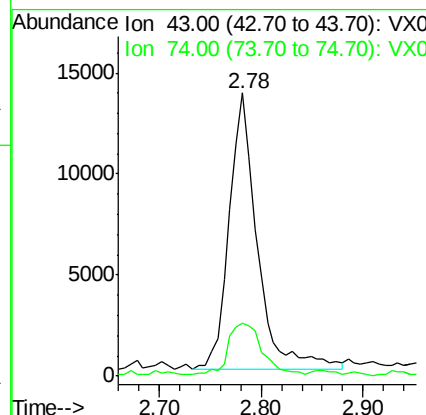
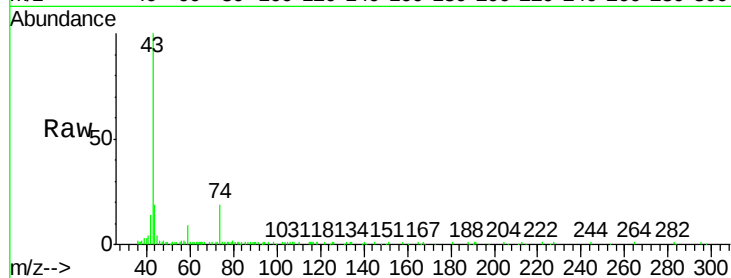




#18
Methyl Acetate
Concen: 3.383 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007213.D
Acq: 24 Jan 2019 19:29

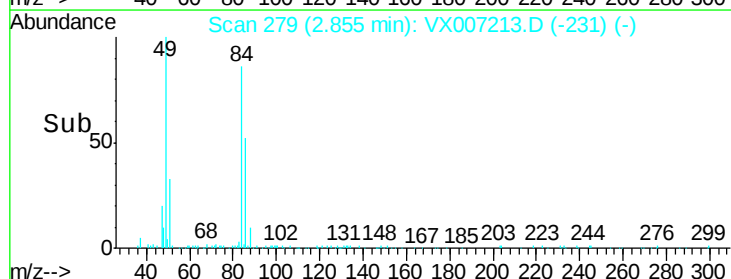
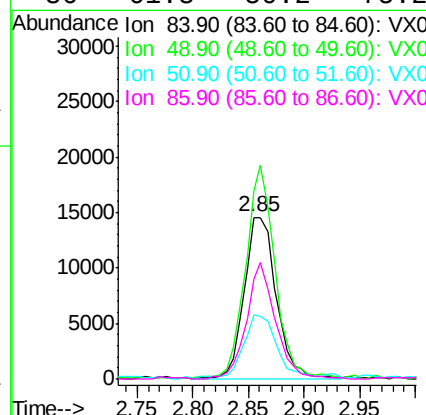
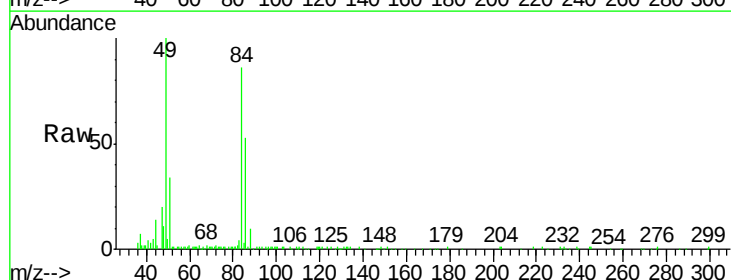
Instrument :
MSVOA_X
ClientSampleId :
PB116589ZHE#05

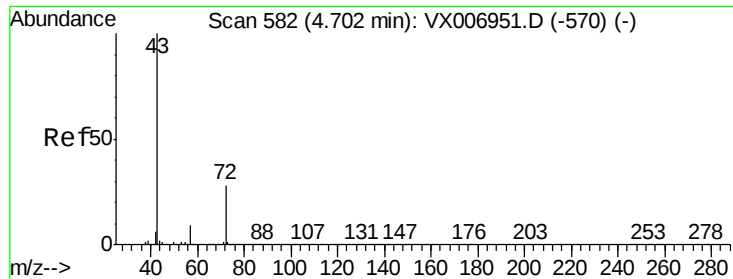
Tot Ion: 43 Resp: 26142
Ion Ratio Lower Upper
43 100
74 22.8 18.6 28.0



#20
Methylene Chloride
Concen: 5.279 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007213.D
Acq: 24 Jan 2019 19:29

Tgt Ion: 84 Resp: 29360
Ion Ratio Lower Upper
84 100
49 116.4 91.8 137.6
51 39.6 28.5 42.7
86 61.8 50.2 75.2





#25

2-Butanone

Concen: 0.690 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

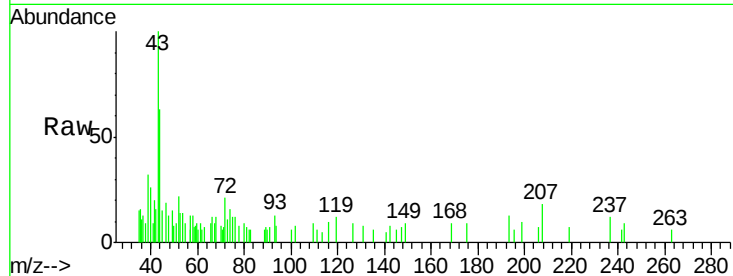
PB116589ZHE#05

Tot Ion: 43 Resp: 2635

Ion Ratio Lower Upper

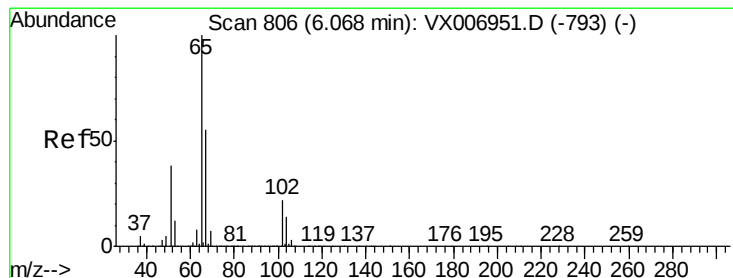
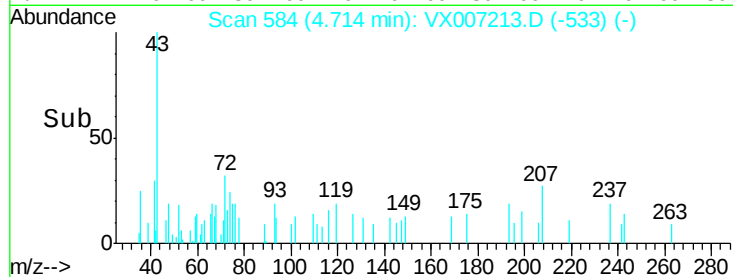
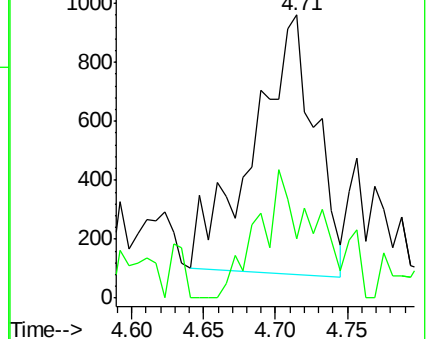
43 100

72 23.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.336 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX007213.D

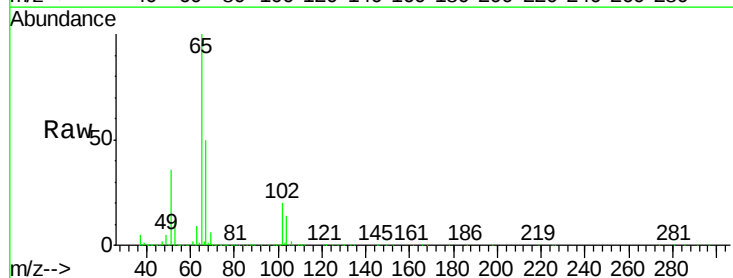
Acq: 24 Jan 2019 19:29

Tgt Ion: 65 Resp: 282489

Ion Ratio Lower Upper

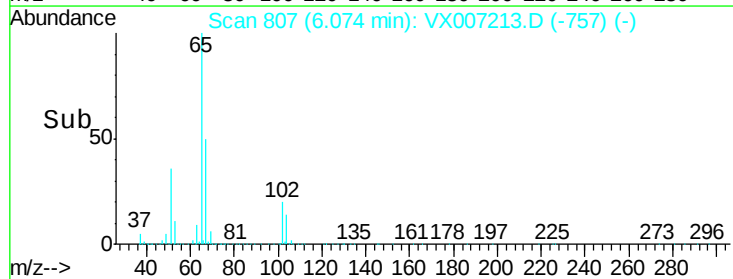
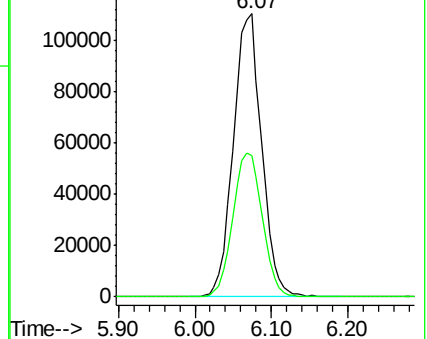
65 100

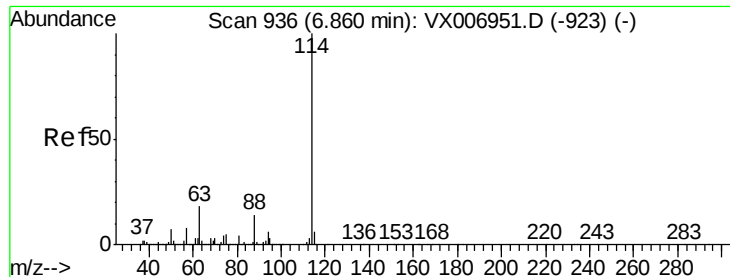
67 53.1 0.0 105.0



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: VX007213.D

Acq: 24 Jan 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#05

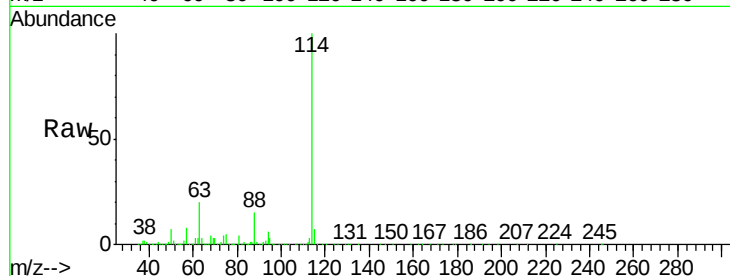
Tot Ion:114 Resp: 803311

Ion Ratio Lower Upper

114 100

63 19.7 0.0 34.8

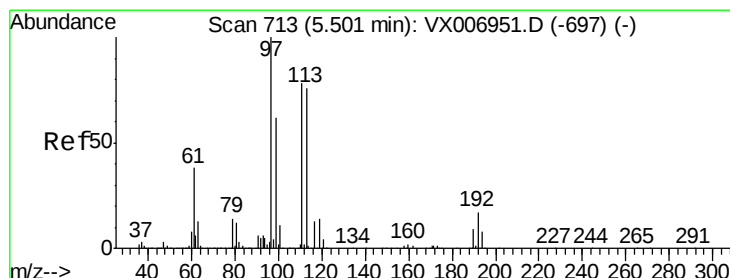
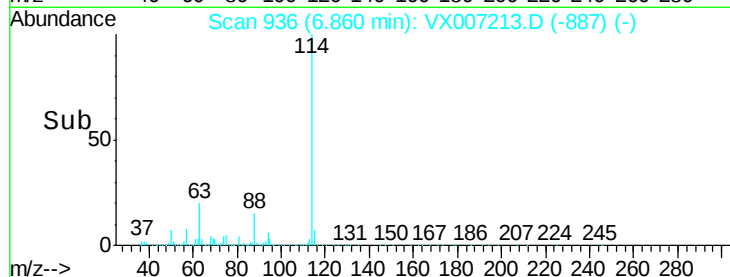
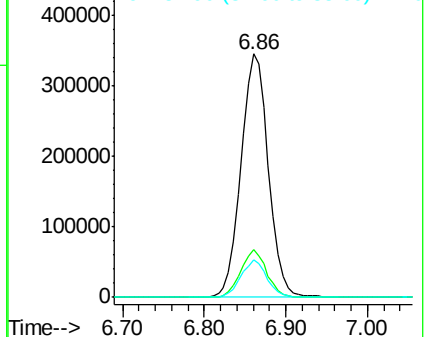
88 15.2 0.0 28.8



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: 49.014 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

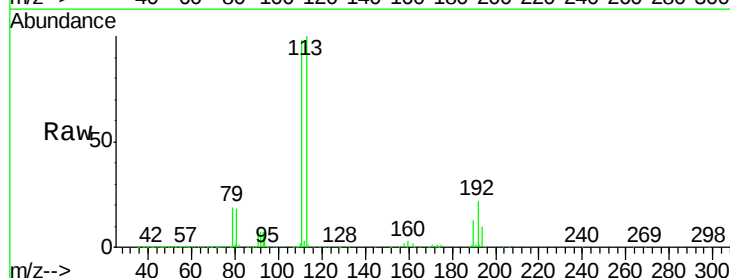
Tgt Ion:113 Resp: 252144

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

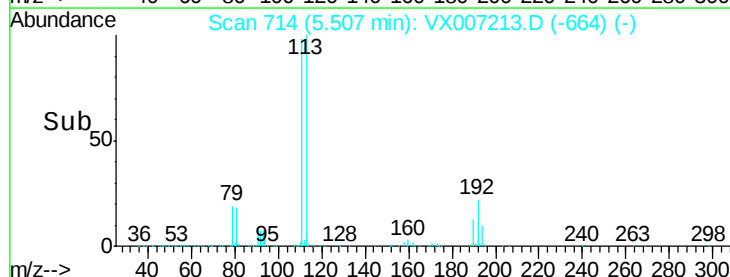
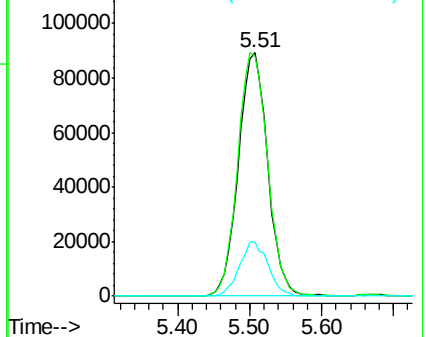
192 22.0 16.7 25.1

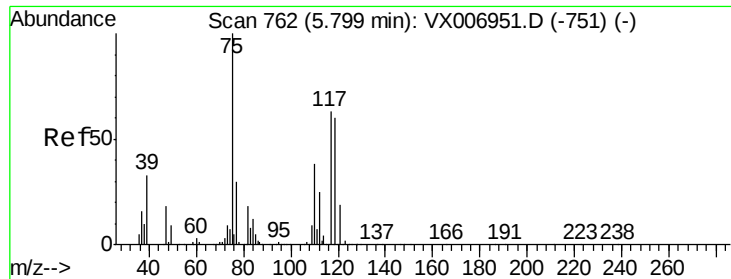


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.712 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

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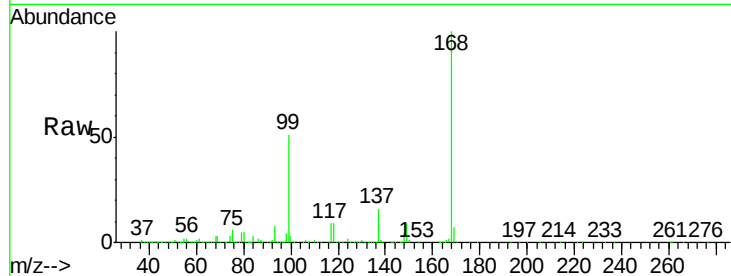
Tot Ion: 75 Resp: 32910

Ion Ratio Lower Upper

75 100

110 0.0 20.2 60.5#

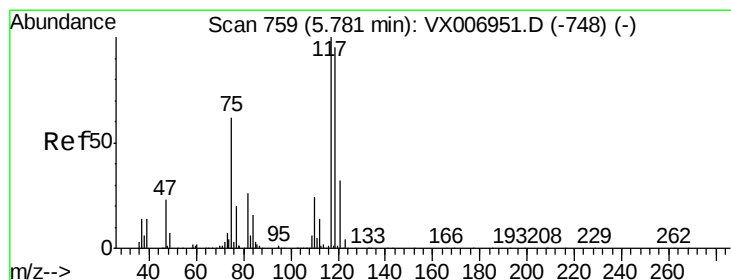
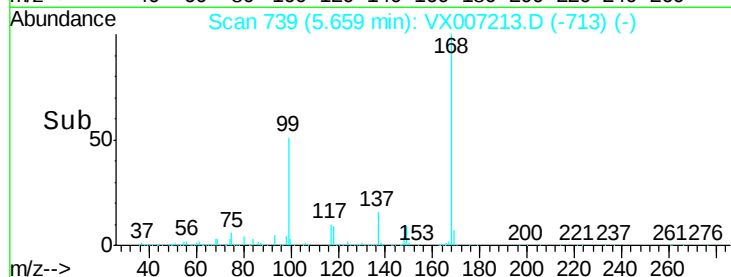
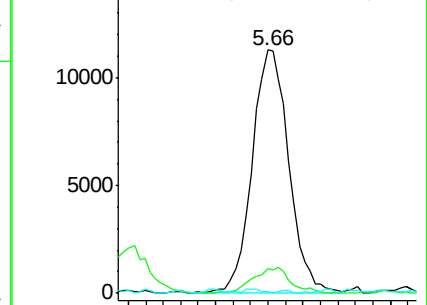
77 0.8 24.8 37.2#



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: 6.569 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

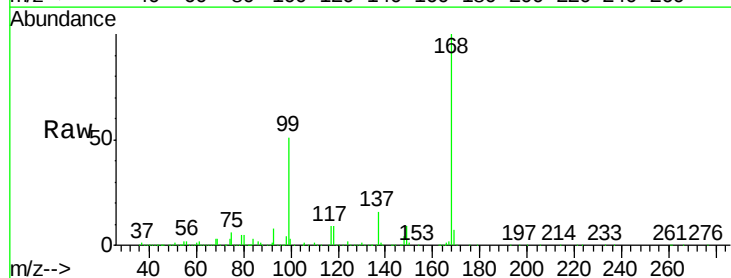
Tgt Ion: 117 Resp: 46157

Ion Ratio Lower Upper

117 100

119 4.1 79.4 119.2#

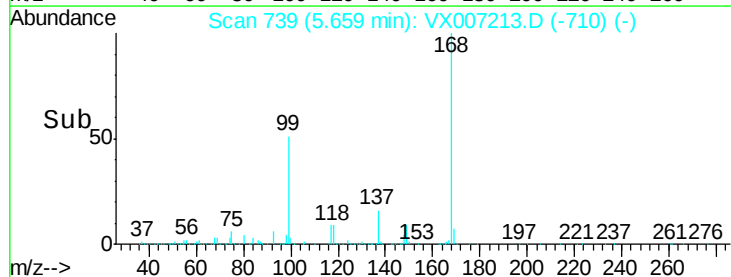
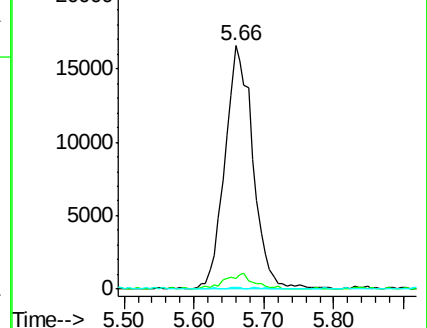
121 0.5 24.0 36.0#

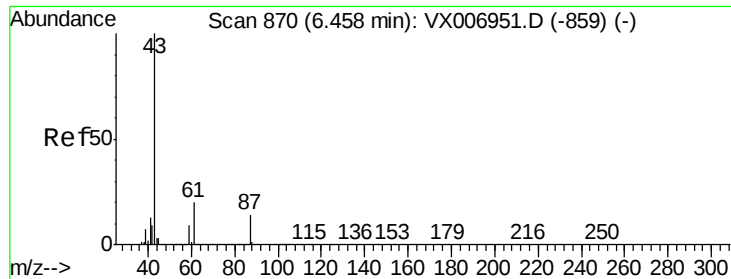


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



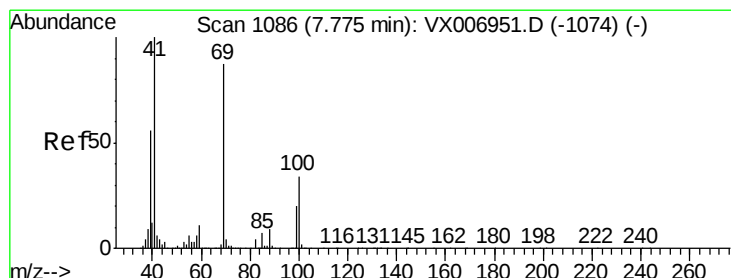
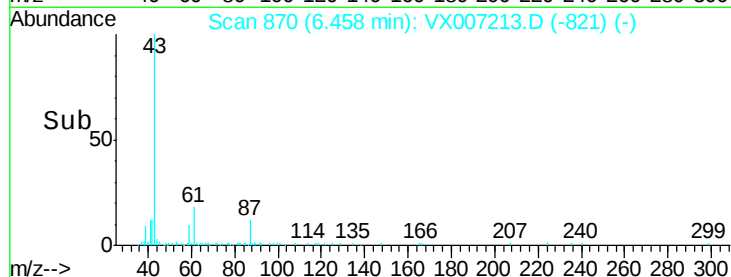
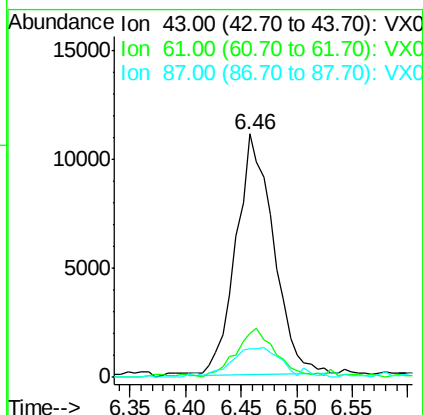
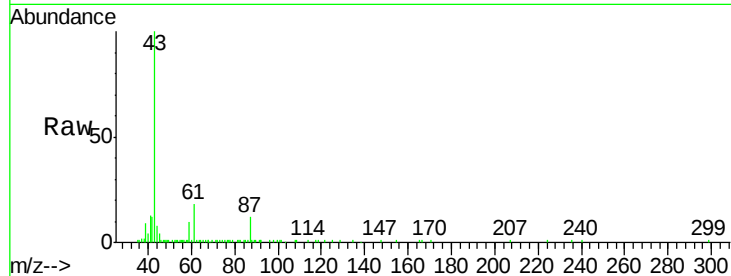


#43

Isopropyl Acetate
 Concen: 2.213 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007213.D
 Acq: 24 Jan 2019 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 PB116589ZHE#05

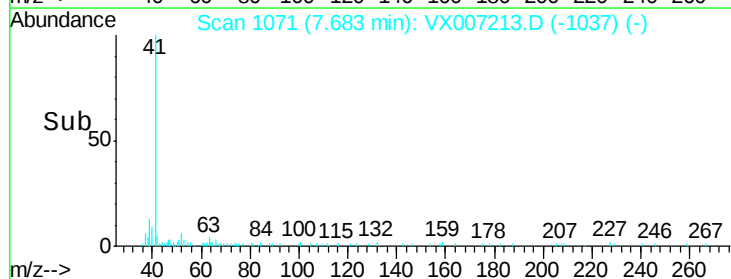
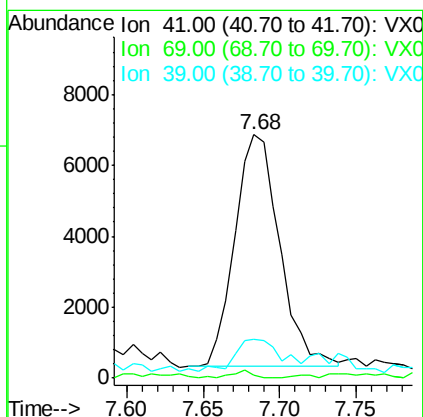
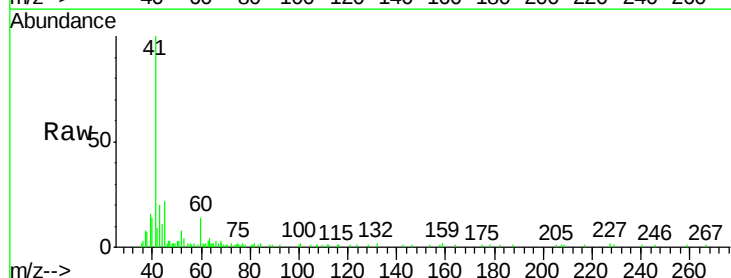
Tot Ion	43	Resp	26141
Ion Ratio	Lower	Upper	
43	100		
61	21.0	16.8	25.2
87	15.9	12.4	18.6

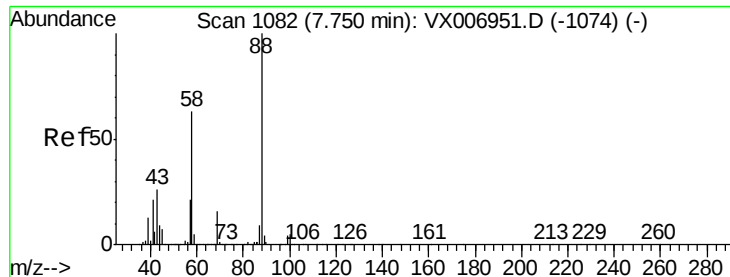


#48

Methyl methacrylate
 Concen: 2.194 ug/l
 RT: 7.68 min Scan# 1071
 Delta R.T. -0.09 min
 Lab File: VX007213.D
 Acq: 24 Jan 2019 19:29

Tgt Ion	41	Resp	13305
Ion Ratio	Lower	Upper	
41	100		
69	1.6	72.4	108.6#
39	0.0	45.8	68.8#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#05

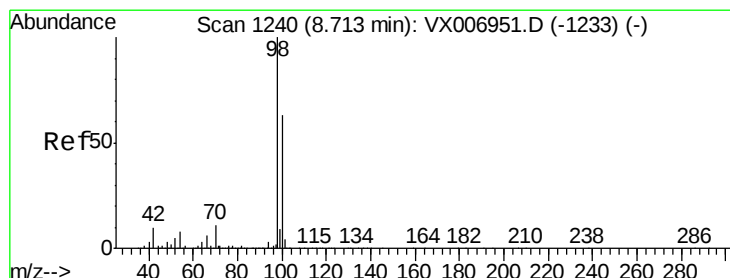
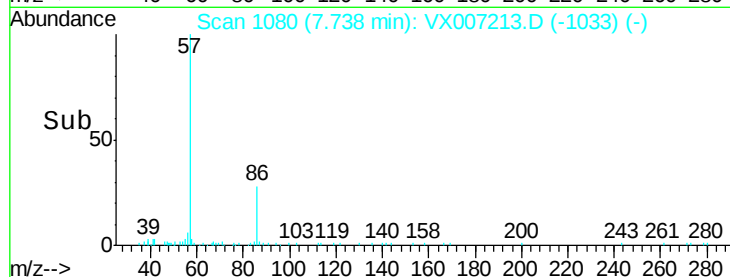
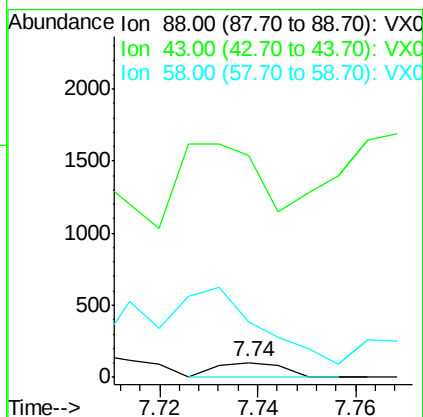
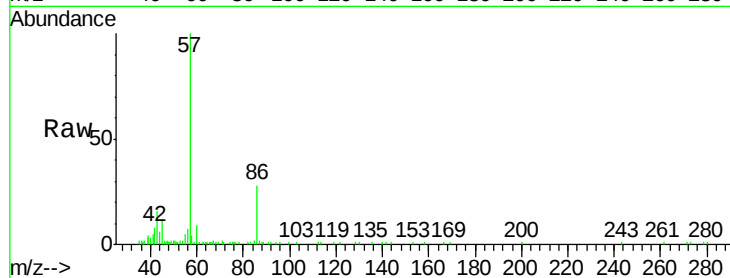
Tot Ion: 88 Resp: 98

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

58 1101.0 51.0 76.4#



#50

Toluene-d8

Concen: 52.867 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007213.D

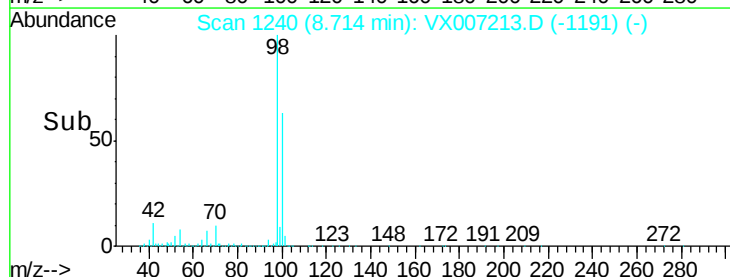
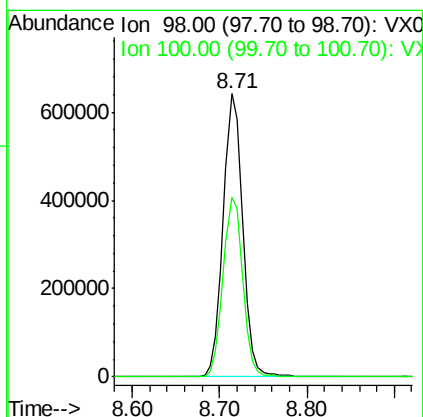
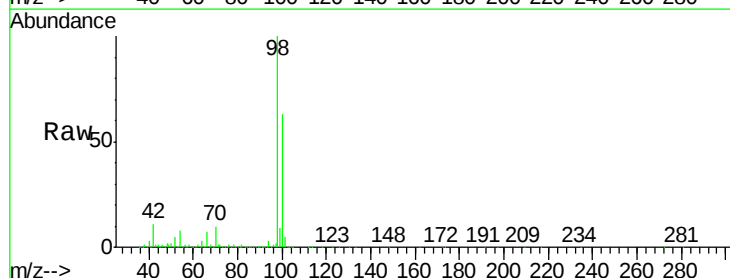
Acq: 24 Jan 2019 19:29

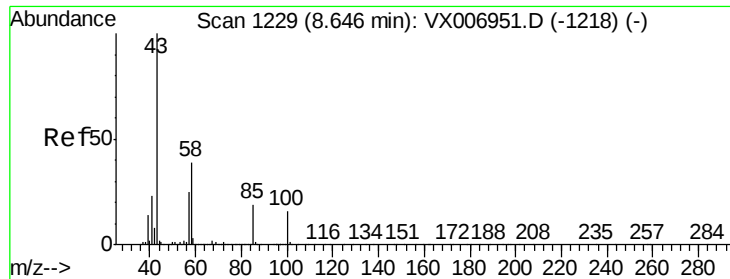
Tgt Ion: 98 Resp: 995485

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 17.898 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

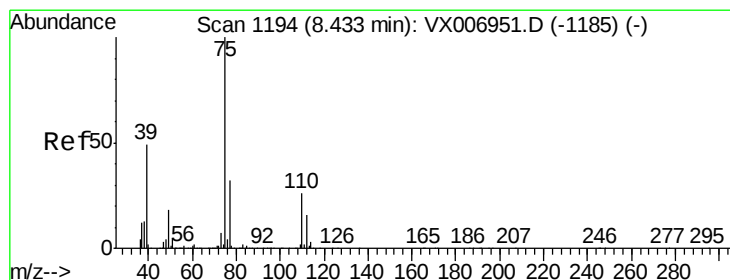
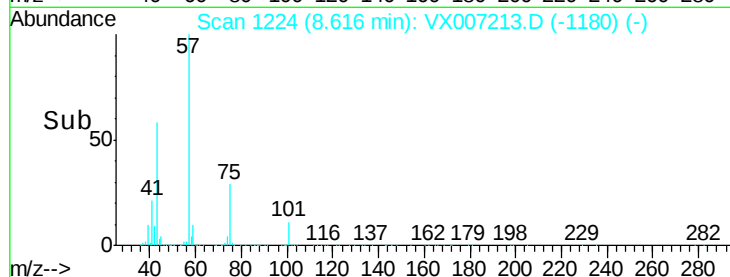
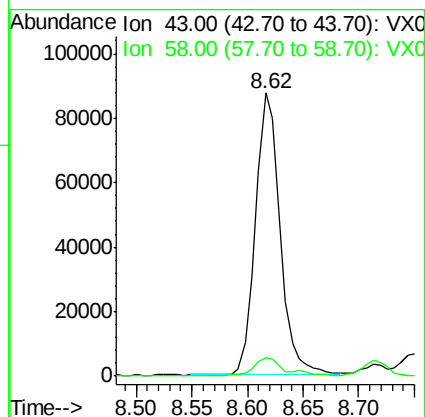
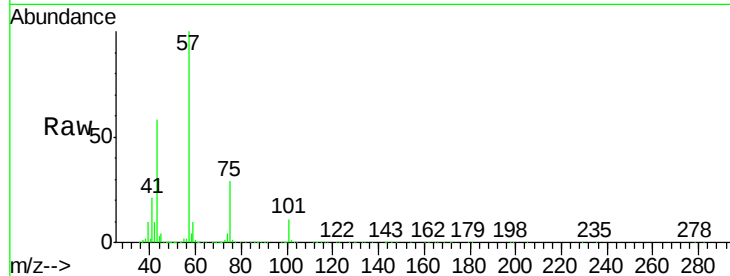
PB116589ZHE#05

Tot Ion: 43 Resp: 135851

Ion Ratio Lower Upper

43 100

58 8.4 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 8.603 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

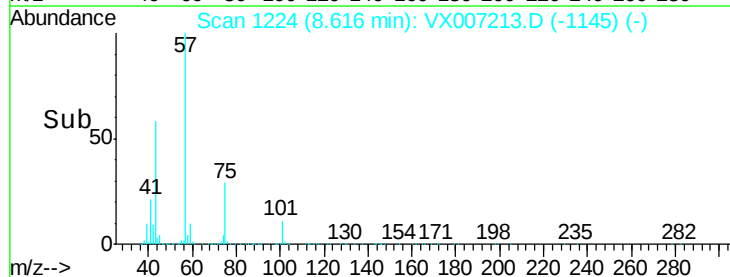
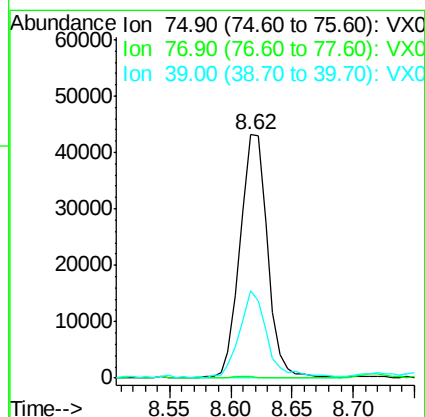
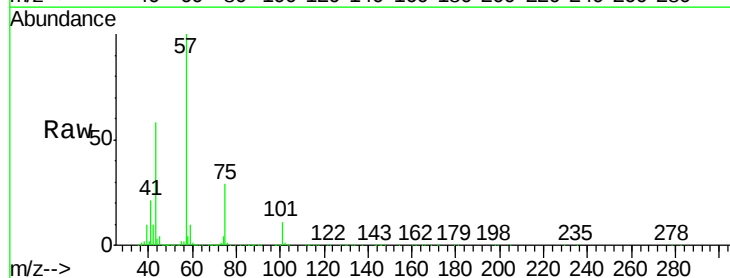
Tgt Ion: 75 Resp: 67519

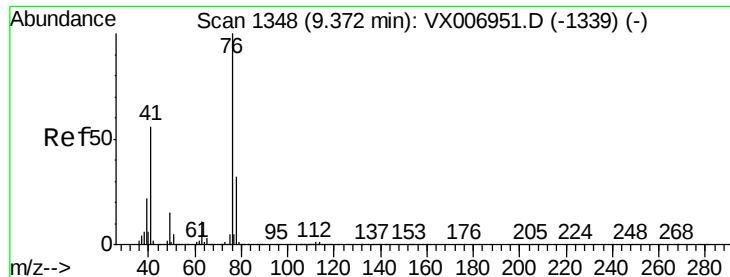
Ion Ratio Lower Upper

75 100

77 0.7 26.2 39.2#

39 35.7 36.7 55.1#





#57

1,3-Dichloropropane

Concen: 1.889 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

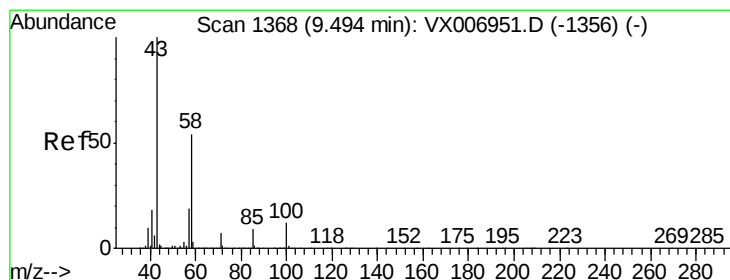
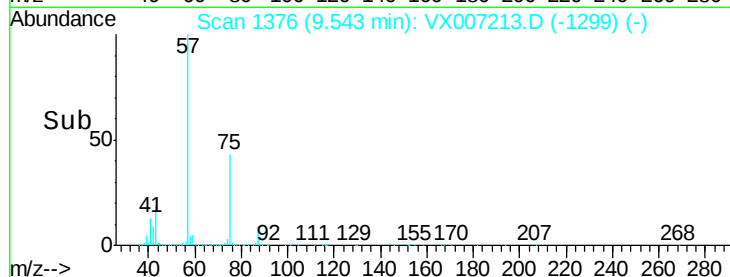
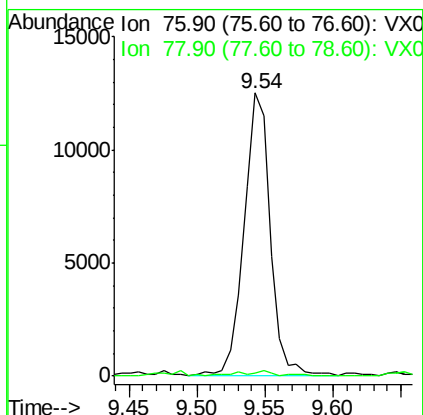
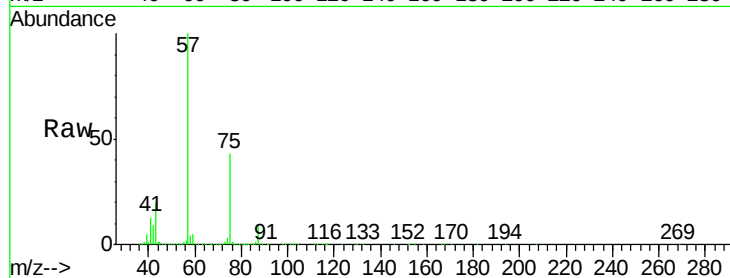
PB116589ZHE#05

Tot Ion: 76 Resp: 16968

Ion Ratio Lower Upper

76 100

78 2.1 26.0 39.0#



#59

2-Hexanone

Concen: 37.273 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX007213.D

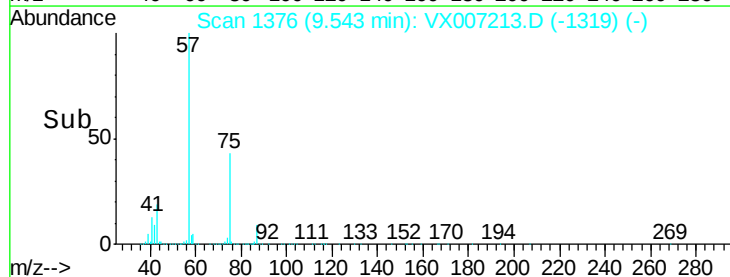
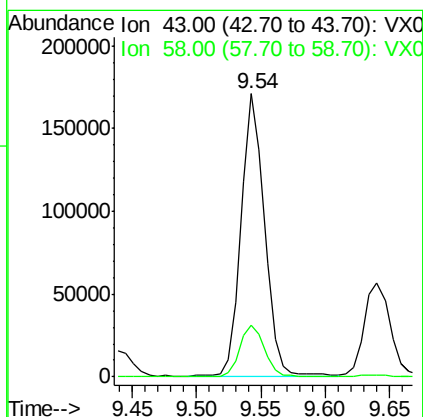
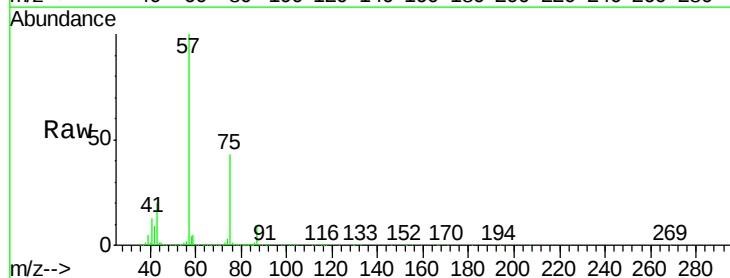
Acq: 24 Jan 2019 19:29

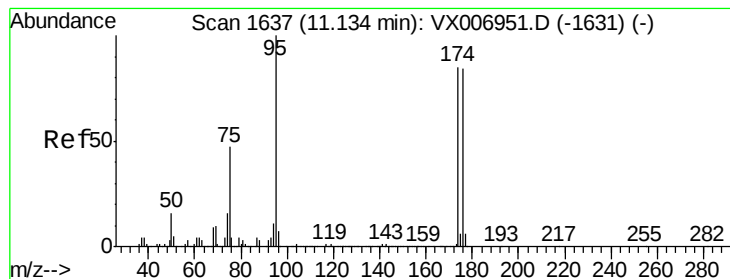
Tgt Ion: 43 Resp: 215597

Ion Ratio Lower Upper

43 100

58 19.3 27.7 83.1#





#62

4-Bromofluorobenzene

Concen: 53.439 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#05

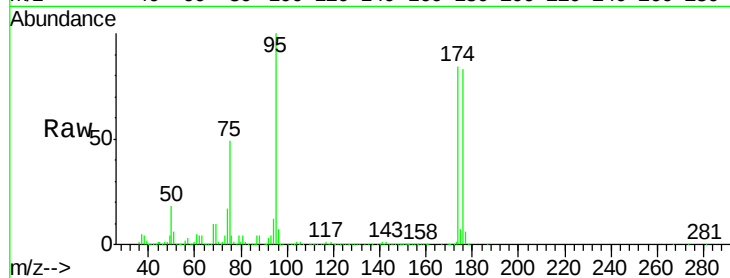
Tot Ion: 95 Resp: 350804

Ion Ratio Lower Upper

95 100

174 93.5 0.0 182.2

176 90.4 0.0 178.8

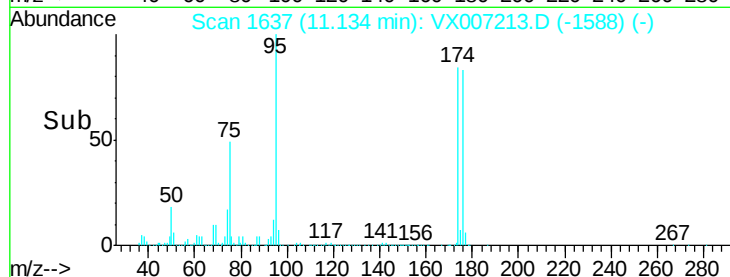


Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)

Time-->

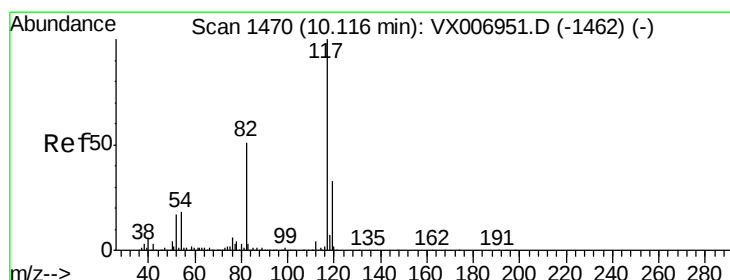


Abundance Ion 94.90 (94.60 to 95.60): VX007213.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007213.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007213.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

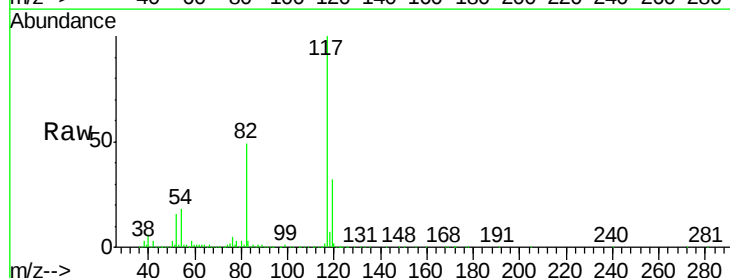
Tgt Ion: 117 Resp: 783086

Ion Ratio Lower Upper

117 100

82 48.6 41.0 61.6

119 32.4 25.4 38.0

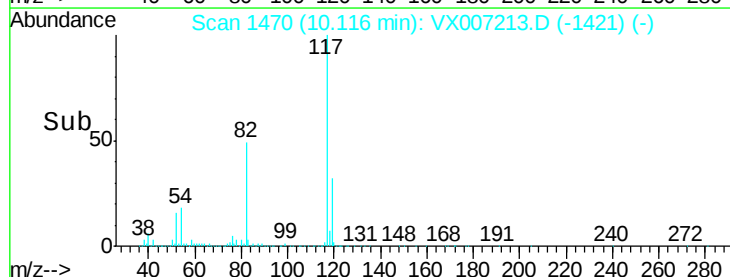


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)

Time-->

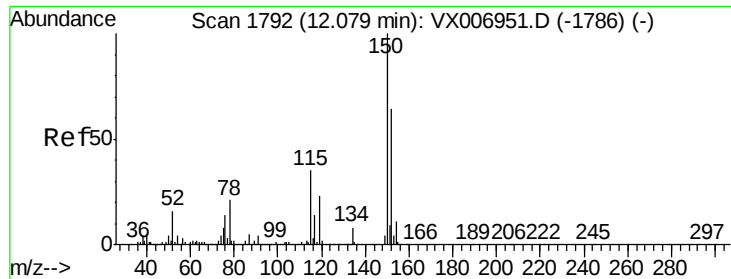


Abundance Ion 116.90 (116.60 to 117.60): VX007213.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX007213.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX007213.D (-1421) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#05

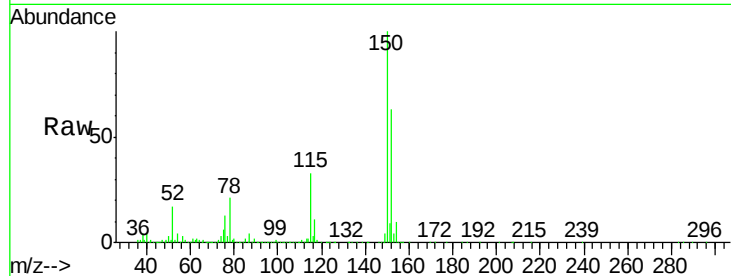
Tot Ion:152 Resp: 378522

Ion Ratio Lower Upper

152 100

115 54.8 39.1 117.2

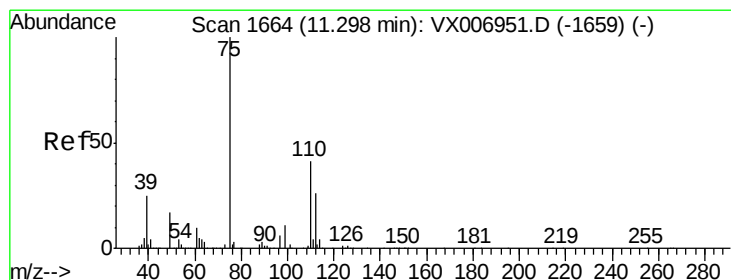
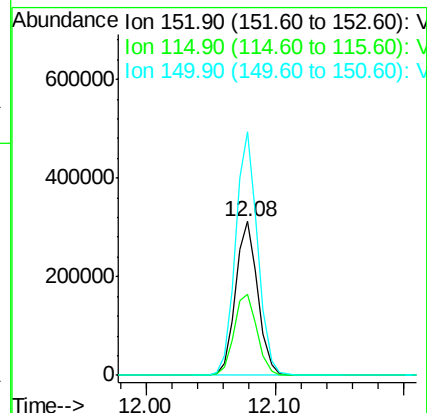
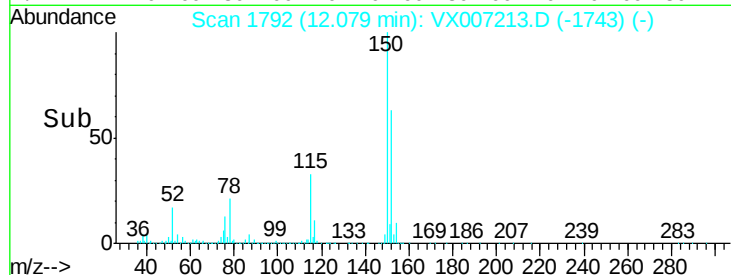
150 156.6 0.0 344.8



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: 22.089 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007213.D

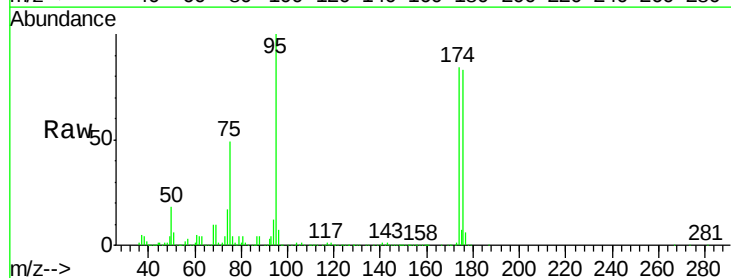
Acq: 24 Jan 2019 19:29

Tgt Ion: 75 Resp: 169433

Ion Ratio Lower Upper

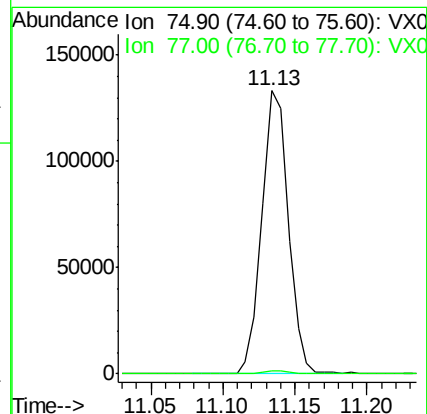
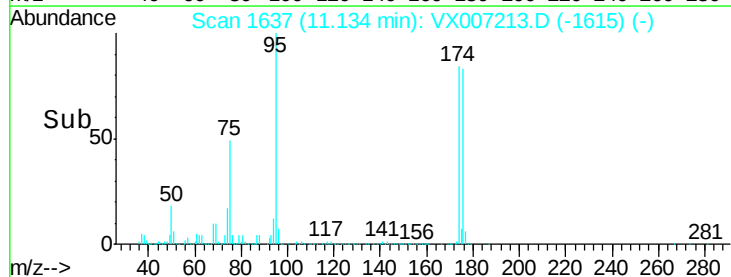
75 100

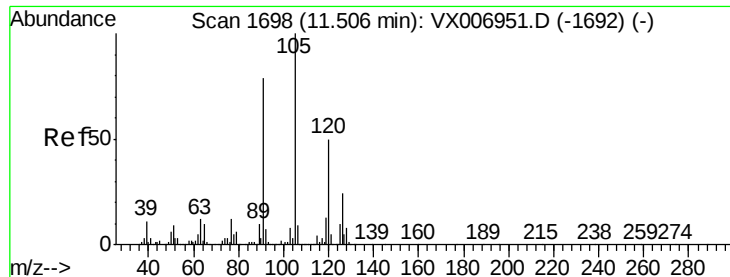
77 1.3 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.202 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

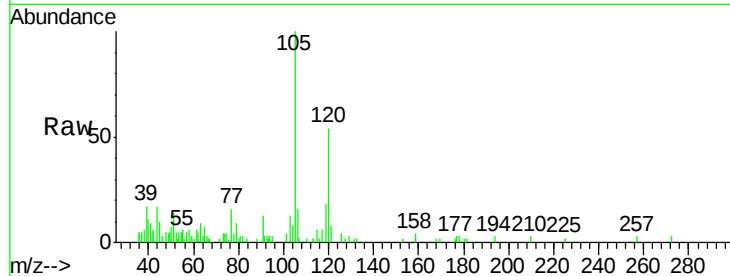
PB116589ZHE#05

Tot Ion:105 Resp: 4503

Ion Ratio Lower Upper

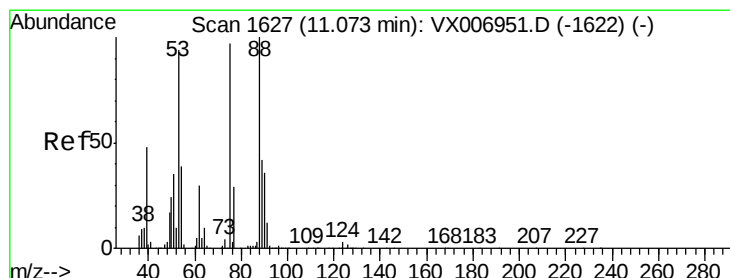
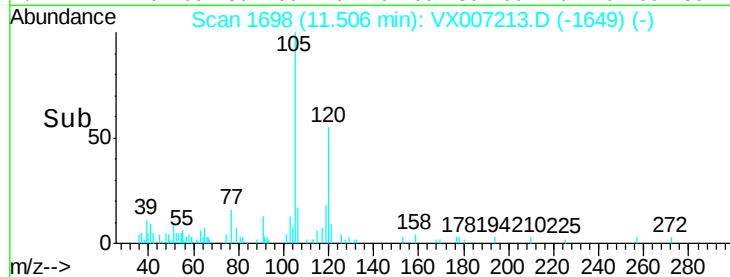
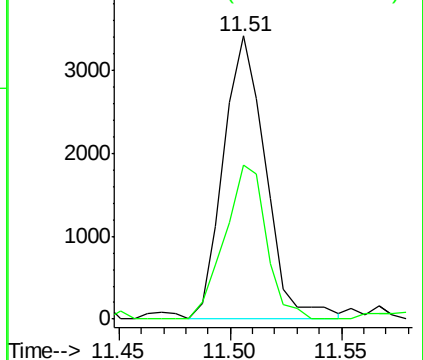
105 100

120 53.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 65.400 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

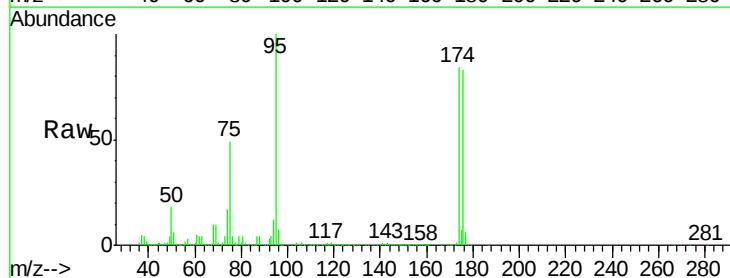
Tgt Ion: 75 Resp: 169433

Ion Ratio Lower Upper

75 100

53 0.3 79.7 119.5#

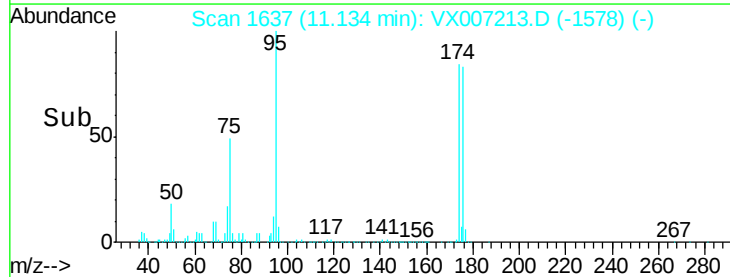
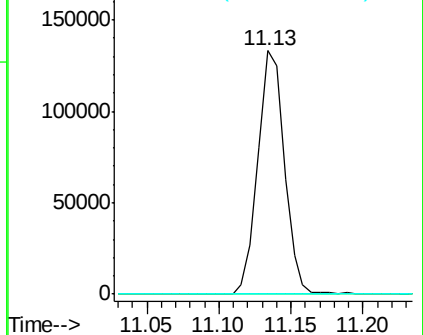
89 0.0 38.0 57.0#

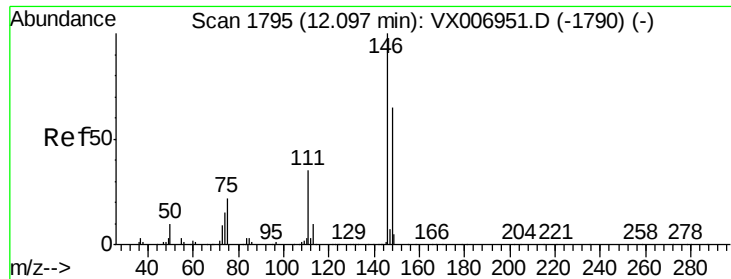


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#88

1,4-Dichlorobenzene

Concen: 0.209 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.03 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#05

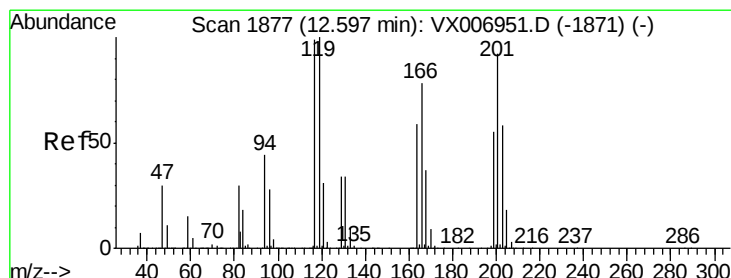
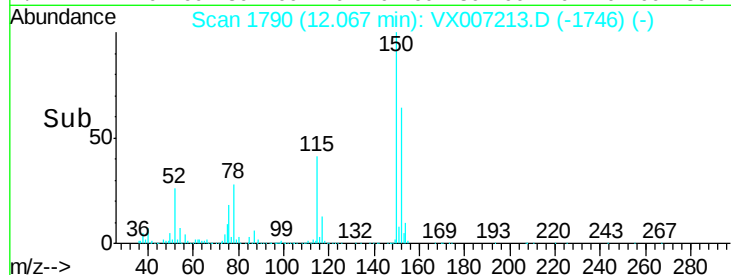
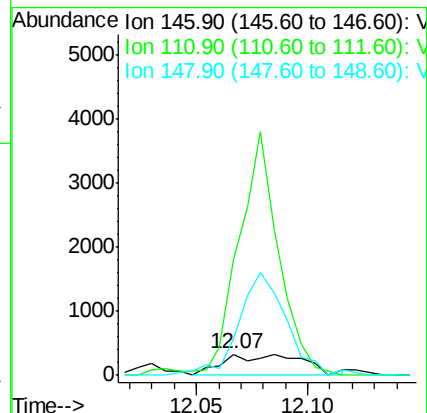
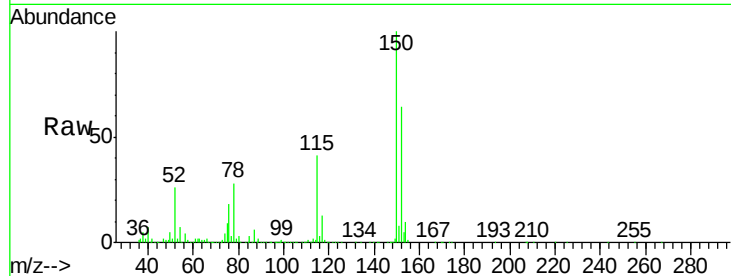
Tot Ion:146 Resp: 809

Ion Ratio Lower Upper

146 100

111 585.8 18.1 54.1#

148 299.0 31.9 95.9#



#90

Hexachloroethane

Concen: 2.933 ug/l

RT: 12.57 min Scan# 1872

Delta R.T. -0.03 min

Lab File: VX007213.D

Acq: 24 Jan 2019 19:29

Tgt Ion:117 Resp: 100

Ion Ratio Lower Upper

117 100

201 63.0 42.9 128.7

