

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012419\
 Data File : VX007211.D
 Acq On : 24 Jan 2019 18:35
 Operator : JC/SP
 Sample : PB116589ZHE#03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB116589ZHE#03

Quant Time: Jan 25 00:05:57 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	524623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	815256	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	773455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	363140	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	285480	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
35) Dibromofluoromethane	5.51	113	253864	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	8.71	98	987985	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.14	95	343747	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	

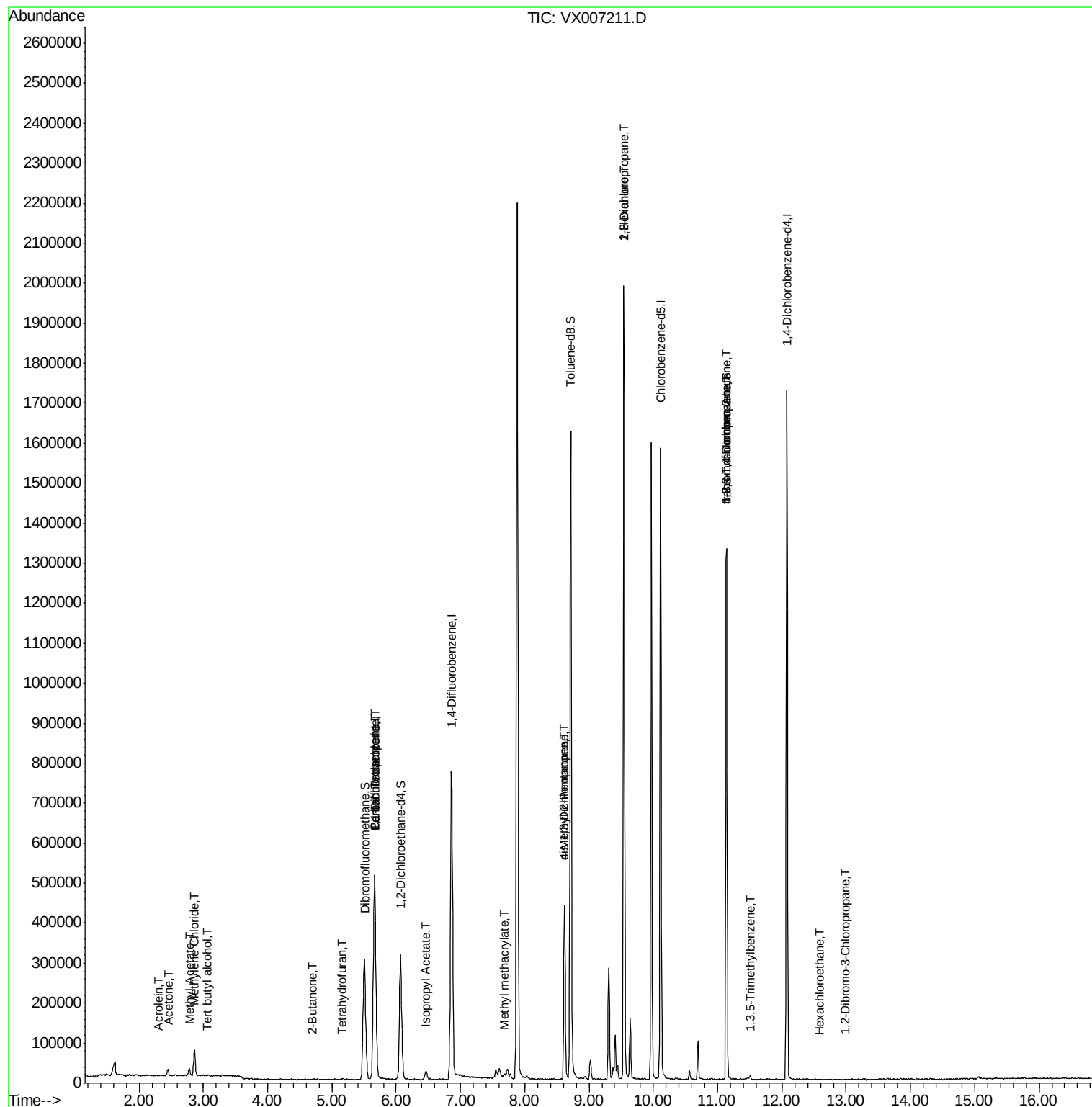
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	833	0.644	ug/l #	67
13) Acrolein	2.29	56	139	3.330	ug/l #	1
16) Acetone	2.45	43	15916	5.872	ug/l	96
18) Methyl Acetate	2.78	43	24618	3.136	ug/l	98
20) Methylene Chloride	2.86	84	30128	5.338	ug/l	94
25) 2-Butanone	4.70	43	2905	0.749	ug/l	96
29) Tetrahydrofuran	5.15	42	793	0.315	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	33757	4.763	ug/l #	50
38) Carbon Tetrachloride	5.66	117	46611	6.536	ug/l #	15
43) Isopropyl Acetate	6.46	43	27757	2.316	ug/l	99
48) Methyl methacrylate	7.69	41	14867	2.415	ug/l #	12
49) 1,4-Dioxane	7.75	88	108	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.62	43	140724	18.268	ug/l #	45
54) cis-1,3-Dichloropropene	8.62	75	72376	9.087	ug/l #	61
57) 1,3-Dichloropropane	9.54	76	16908	1.855	ug/l #	44
59) 2-Hexanone	9.54	43	221793	37.783	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	163548	22.225	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	4466	0.209	ug/l	88
81) trans-1,4-Dichloro-2-buten	11.13	75	163548	65.779	ug/l #	10
90) Hexachloroethane	12.58	117	87	2.931	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	12.99	75	425	0.264	ug/l #	1

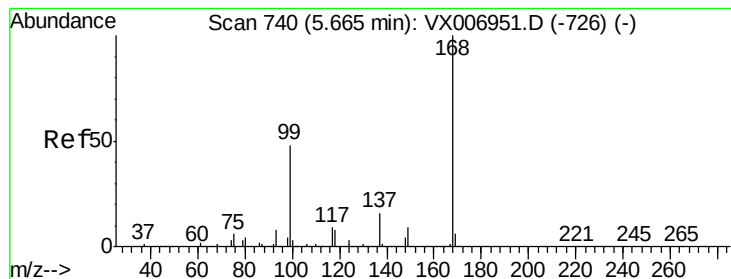
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012419\
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Quant Time: Jan 25 00:05:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007211.D

Acq: 24 Jan 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

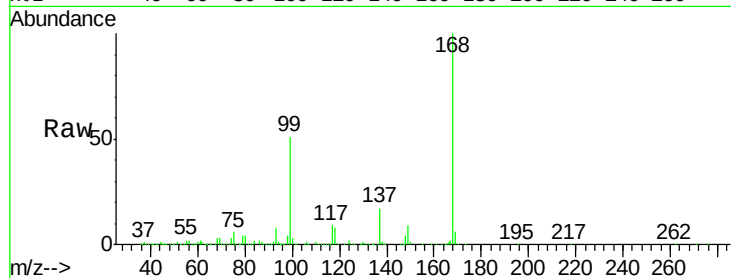
PB116589ZHE#03

Tot Ion:168 Resp: 524623

Ion Ratio Lower Upper

168 100

99 50.7 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

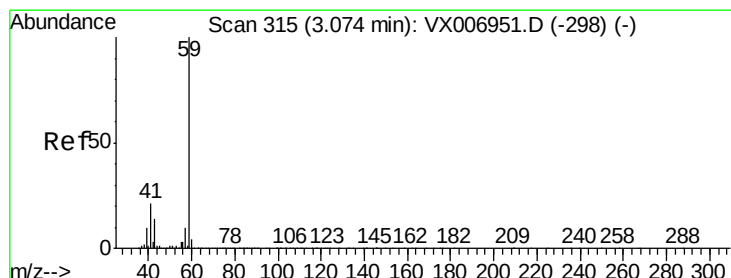
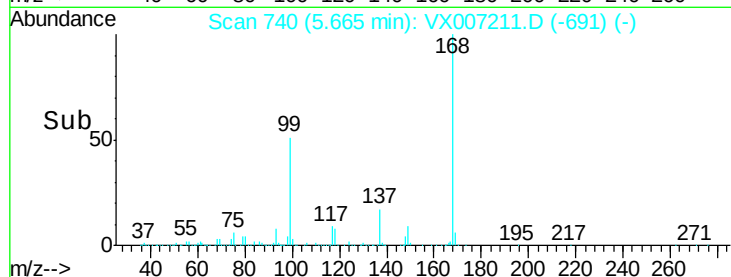
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.644 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007211.D

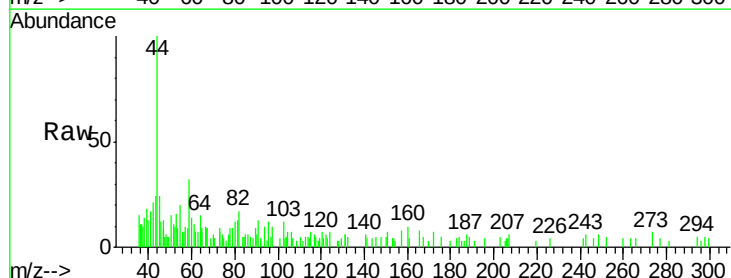
Acq: 24 Jan 2019 18:35

Tgt Ion: 59 Resp: 833

Ion Ratio Lower Upper

59 100

57 23.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

600

500

400

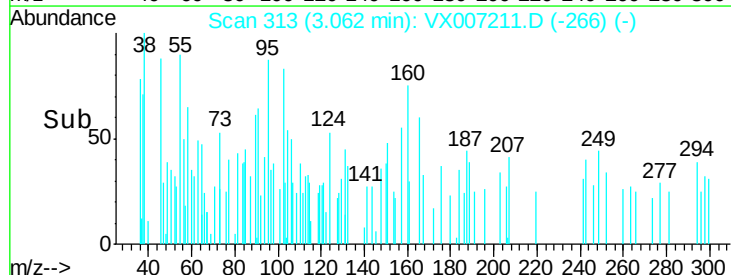
300

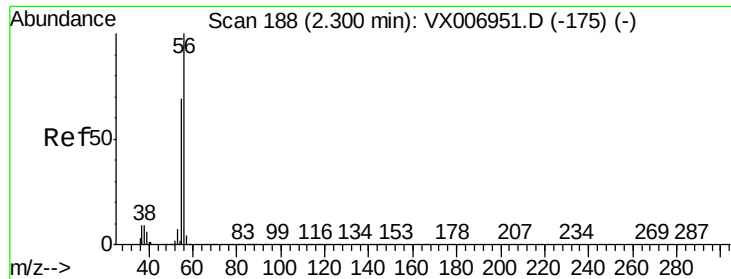
200

100

0

Time-->





#13

Acrolein

Concen: 3.330 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007211.D

Acq: 24 Jan 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

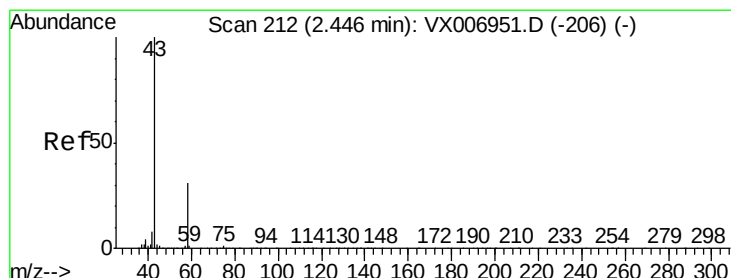
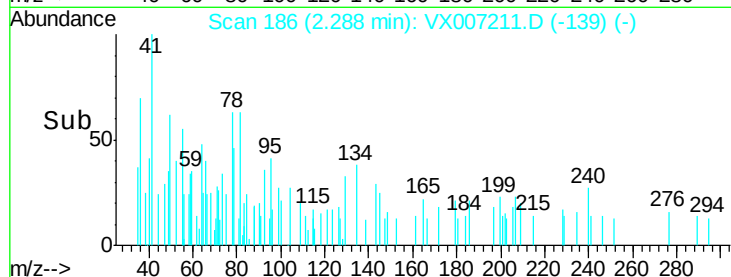
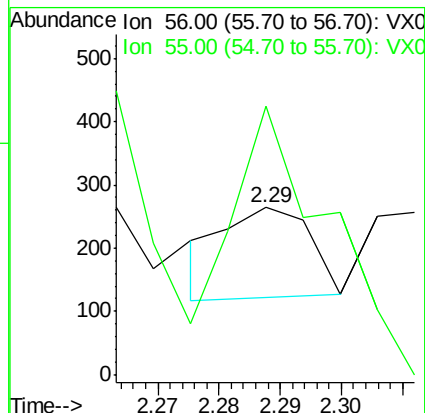
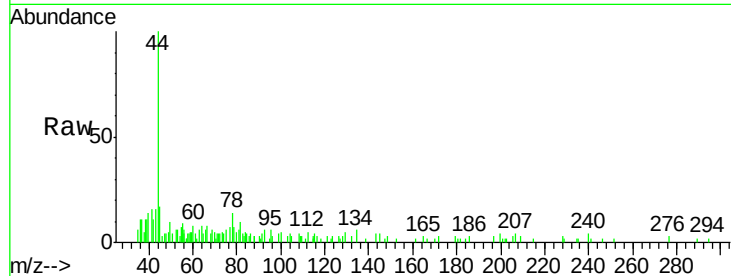
PB116589ZHE#03

Tot Ion: 56 Resp: 139

Ion Ratio Lower Upper

56 100

55 330.9 58.2 87.4#



#16

Acetone

Concen: 5.872 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007211.D

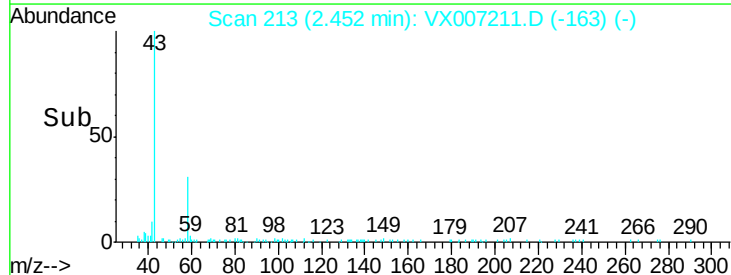
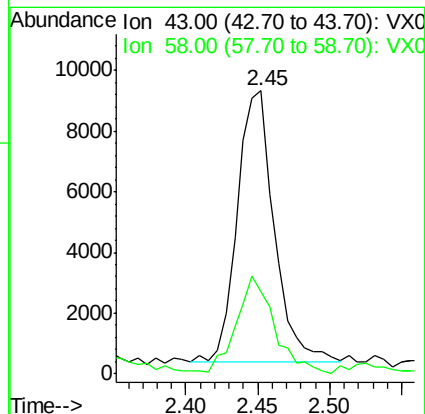
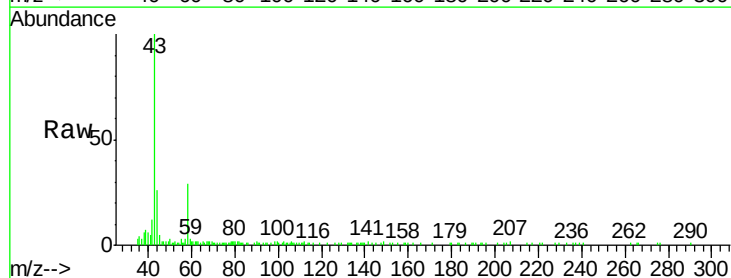
Acq: 24 Jan 2019 18:35

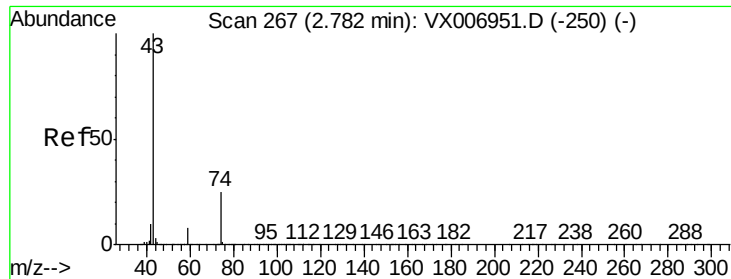
Tgt Ion: 43 Resp: 15916

Ion Ratio Lower Upper

43 100

58 29.3 25.0 37.6

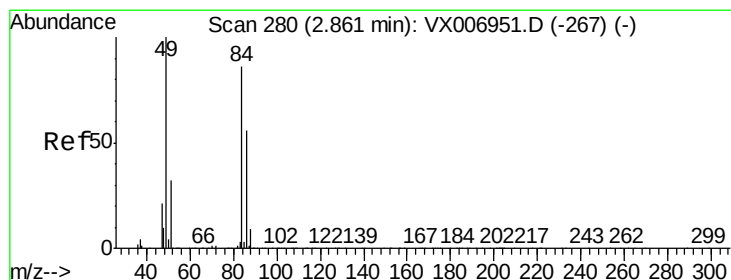
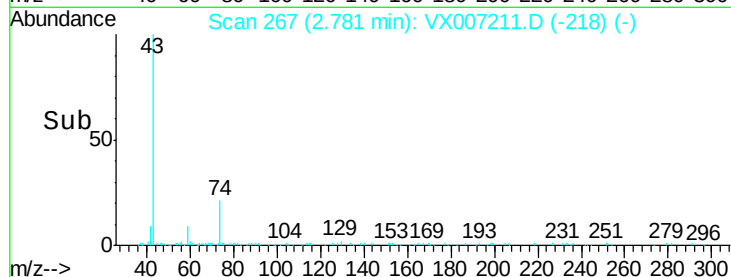
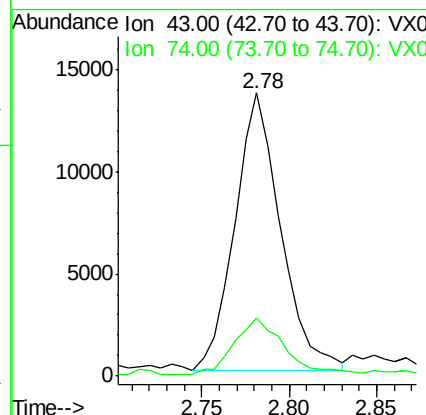
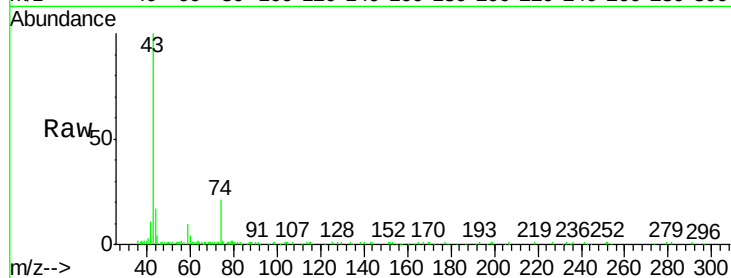




#18
Methyl Acetate
Concen: 3.136 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007211.D
Acq: 24 Jan 2019 18:35

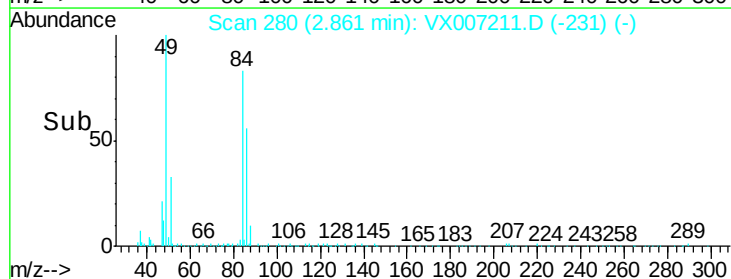
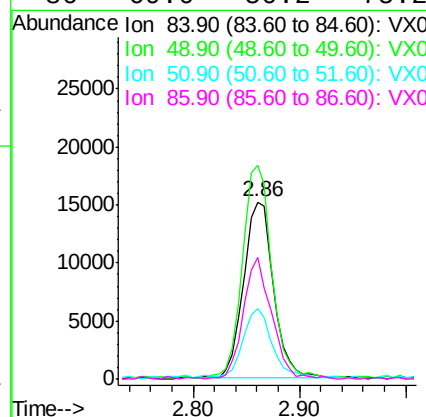
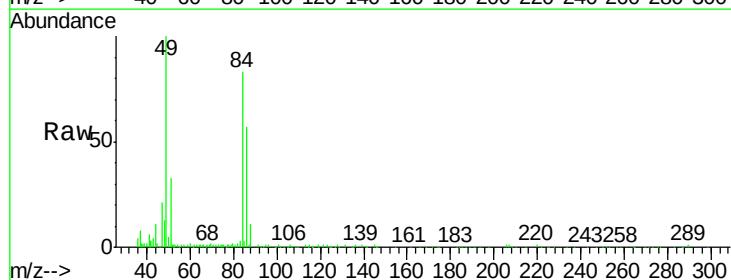
Instrument :
MSVOA_X
ClientSampleId :
PB116589ZHE#03

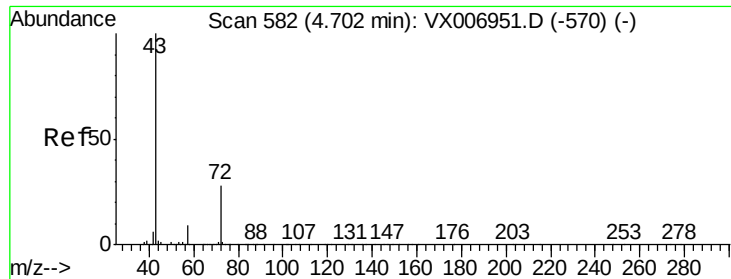
Tot Ion: 43 Resp: 24618
Ion Ratio Lower Upper
43 100
74 22.4 18.6 28.0



#20
Methylene Chloride
Concen: 5.338 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007211.D
Acq: 24 Jan 2019 18:35

Tgt Ion: 84 Resp: 30128
Ion Ratio Lower Upper
84 100
49 120.8 91.8 137.6
51 38.9 28.5 42.7
86 69.0 50.2 75.2





#25

2-Butanone

Concen: 0.749 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007211.D

Acq: 24 Jan 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

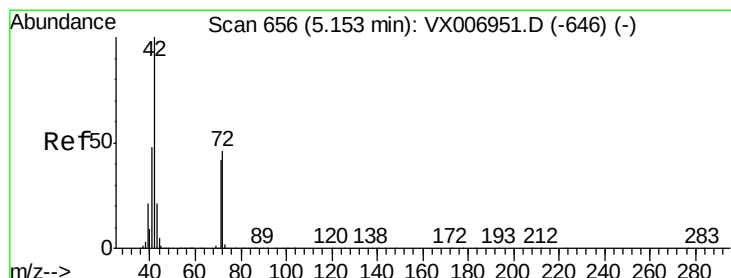
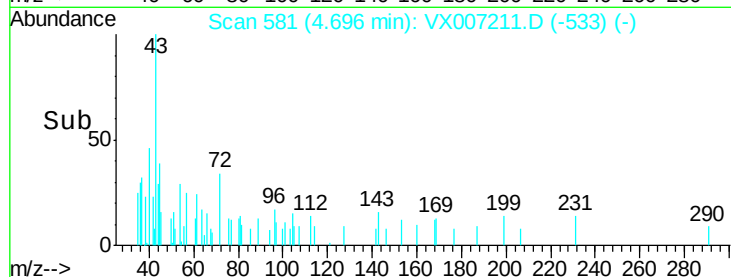
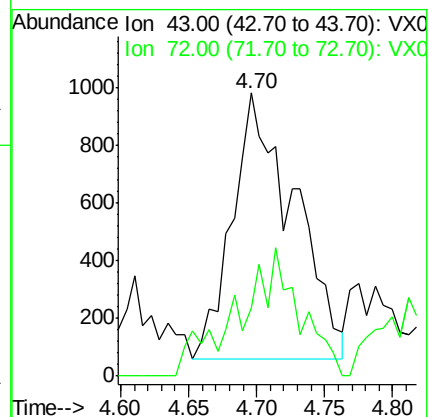
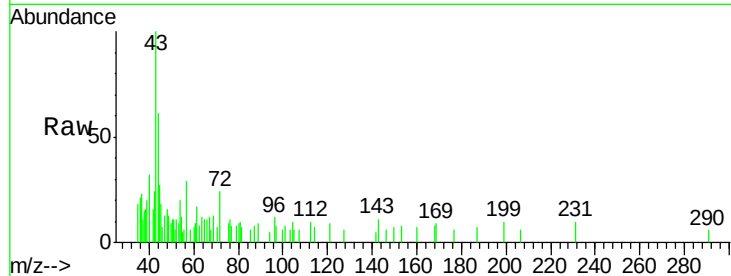
PB116589ZHE#03

Tot Ion: 43 Resp: 2905

Ion Ratio Lower Upper

43 100

72 25.9 22.4 33.6



#29

Tetrahydrofuran

Concen: 0.315 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX007211.D

Acq: 24 Jan 2019 18:35

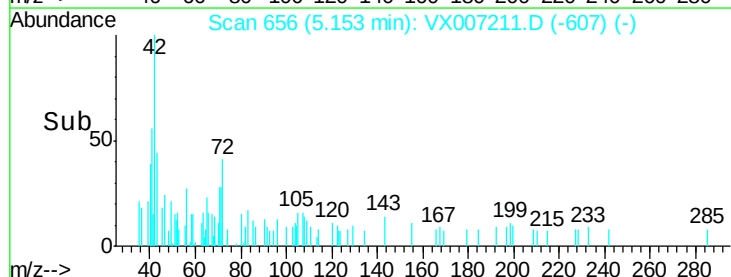
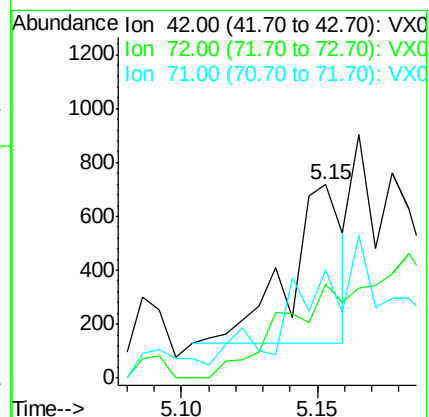
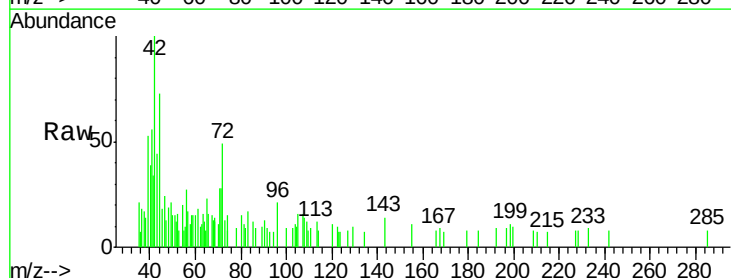
Tgt Ion: 42 Resp: 793

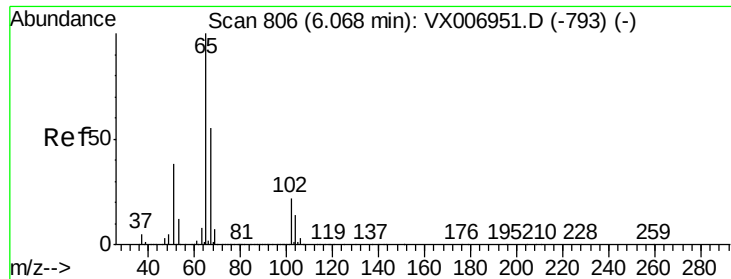
Ion Ratio Lower Upper

42 100

72 0.0 38.9 58.3#

71 181.6 36.2 54.4#

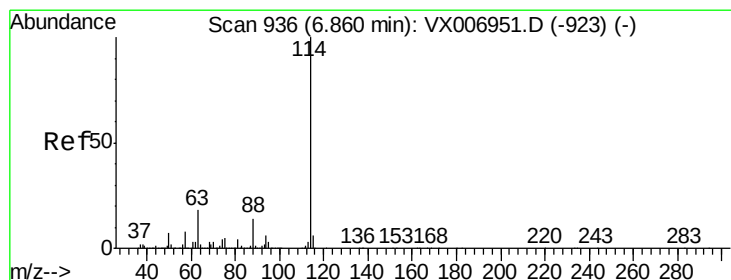
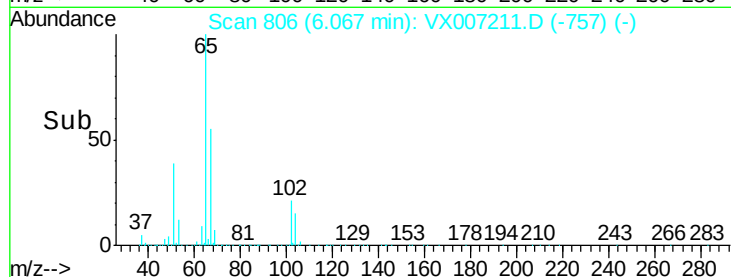
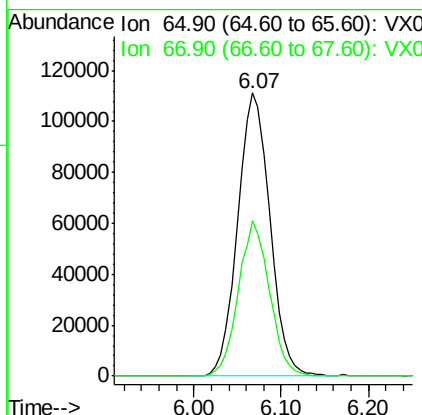
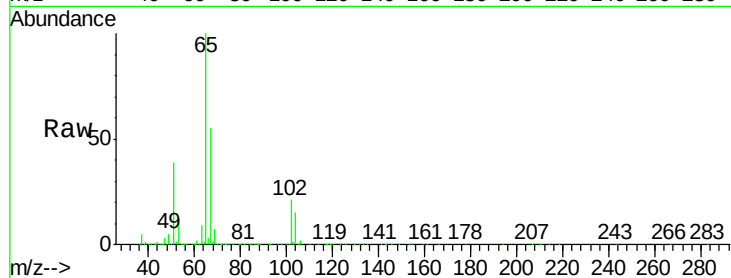




#33
 1,2-Dichloroethane-d4
 Concen: 52.069 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007211.D
 Acq: 24 Jan 2019 18:35

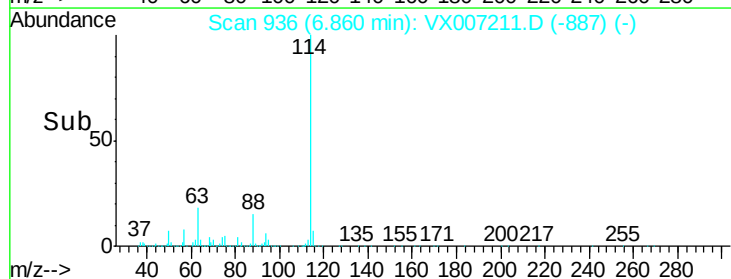
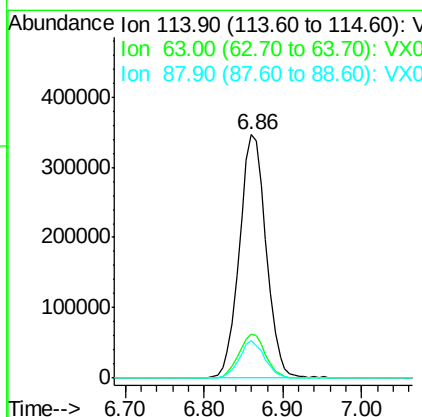
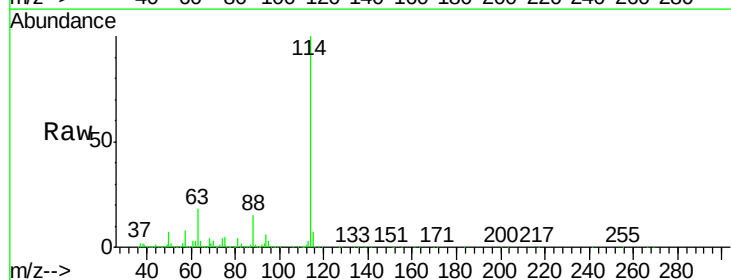
Instrument :
 MSVOA_X
 ClientSampleId :
 PB116589ZHE#03

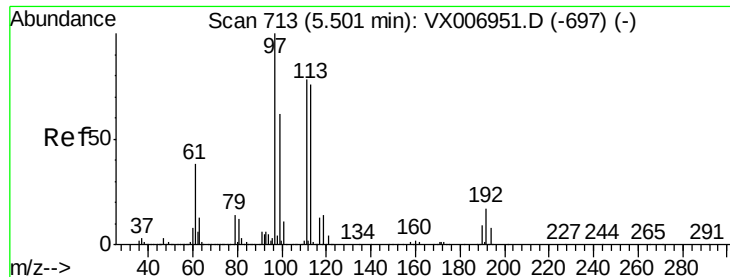
Tot Ion: 65 Resp: 285480
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007211.D
 Acq: 24 Jan 2019 18:35

Tgt Ion: 114 Resp: 815256
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.8
 88 15.2 0.0 28.8

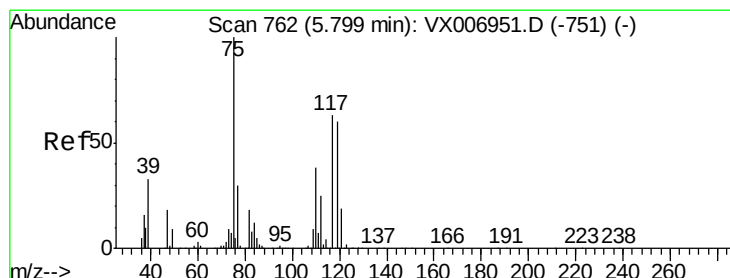
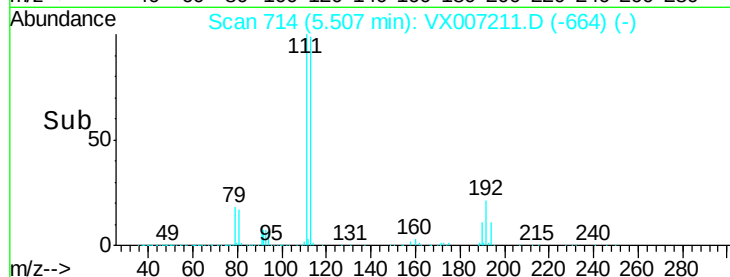
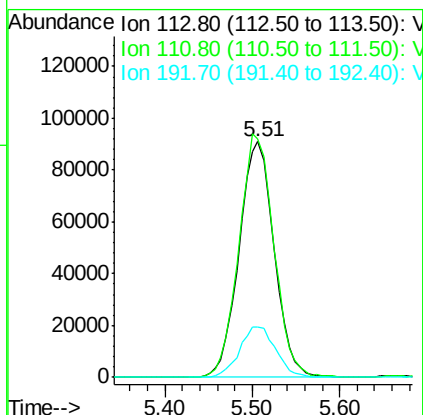
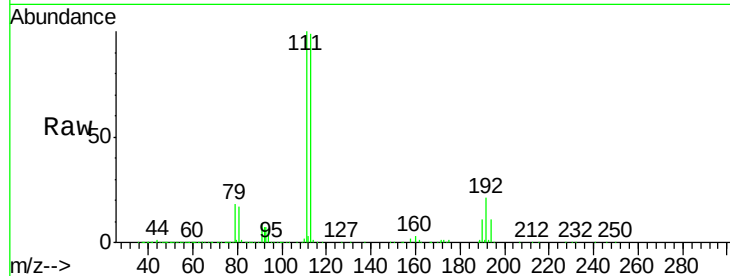




#35
 Dibromofluoromethane
 Concen: 48.625 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007211.D
 Acq: 24 Jan 2019 18:35

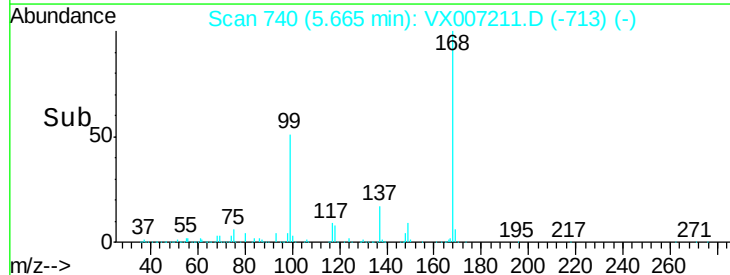
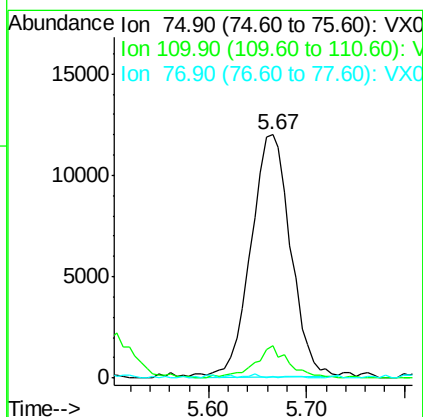
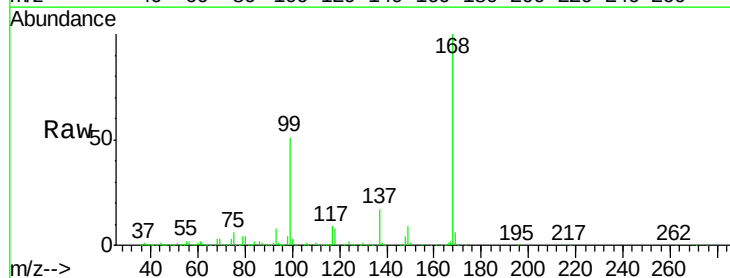
Instrument :
 MSVOA_X
 ClientSampleId :
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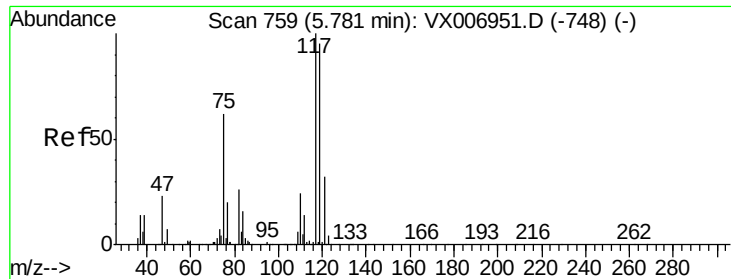
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.6	122.4
192	22.3	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.763 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007211.D
 Acq: 24 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	20.2	60.5#
77	0.5	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.536 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007211.D

Acq: 24 Jan 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#03

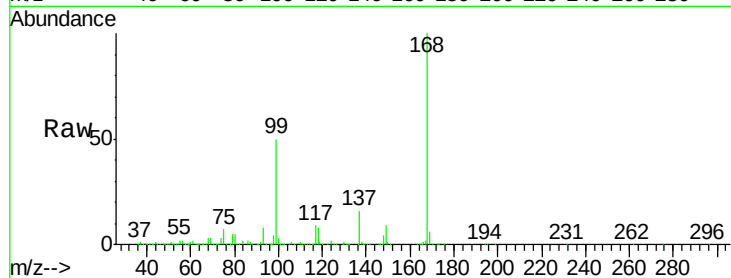
Tot Ion:117 Resp: 46611

Ion Ratio Lower Upper

117 100

119 5.6 79.4 119.2#

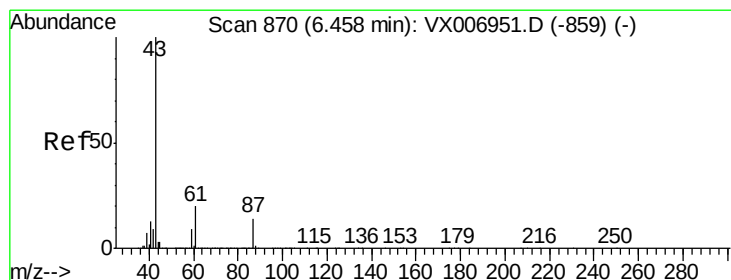
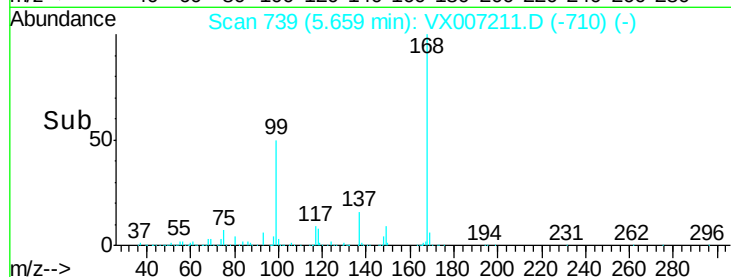
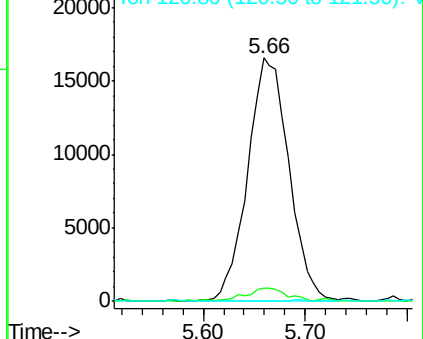
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.316 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007211.D

Acq: 24 Jan 2019 18:35

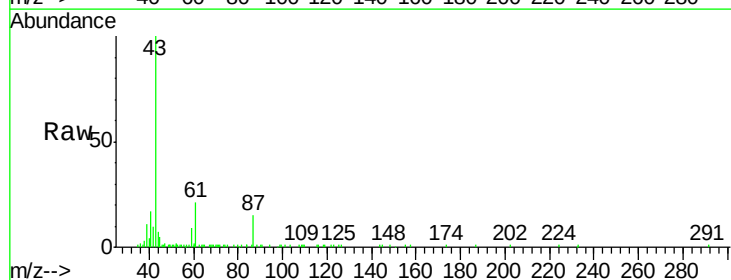
Tgt Ion: 43 Resp: 27757

Ion Ratio Lower Upper

43 100

61 21.7 16.8 25.2

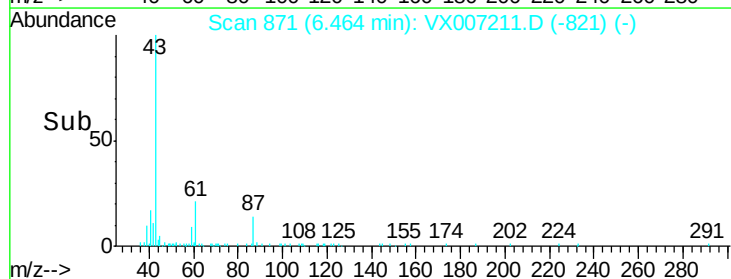
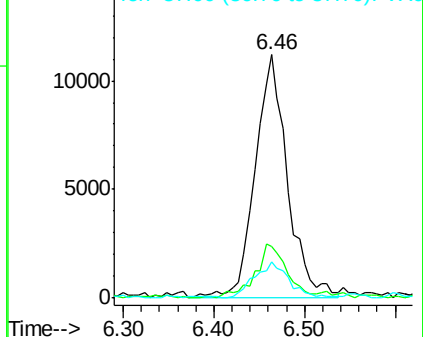
87 16.0 12.4 18.6

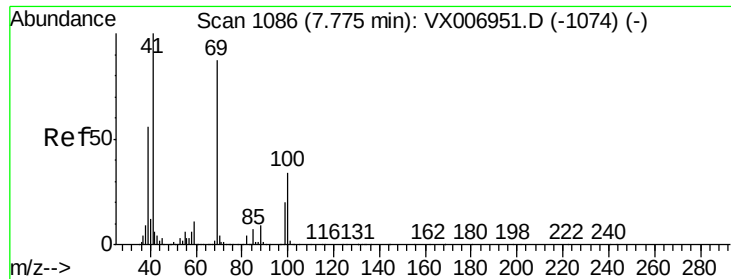


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methvl methacrylate

Concen: 2.415 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX007211.D

Acq: 24 Jan 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#03

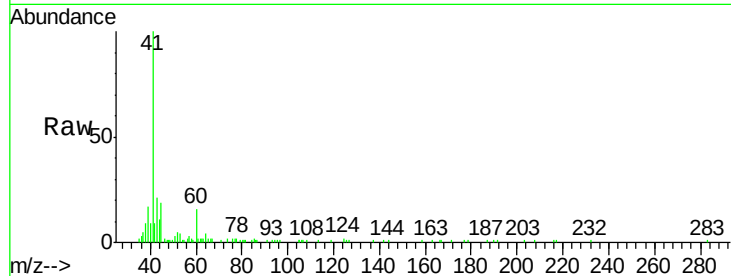
Tot Ion: 41 Resp: 14867

Ion Ratio Lower Upper

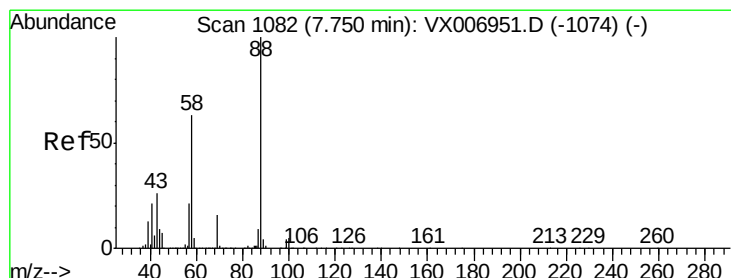
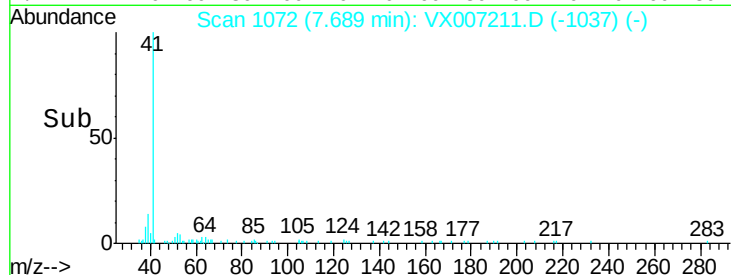
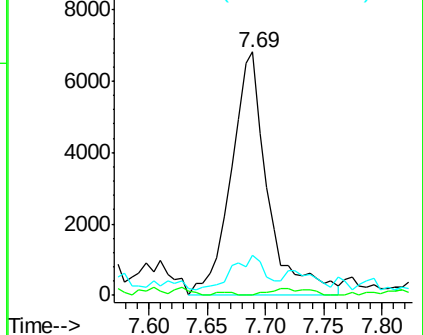
41 100

69 0.6 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: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007211.D

Acq: 24 Jan 2019 18:35

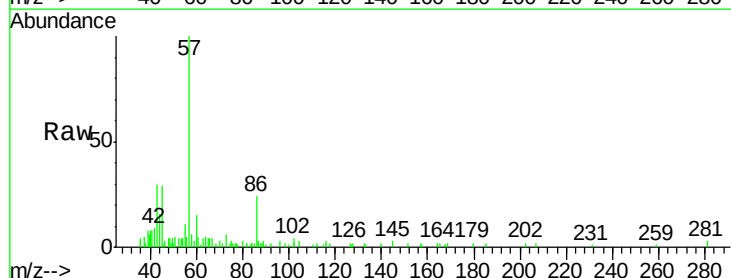
Tgt Ion: 88 Resp: 108

Ion Ratio Lower Upper

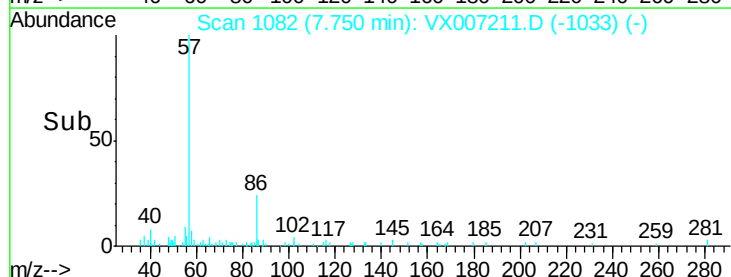
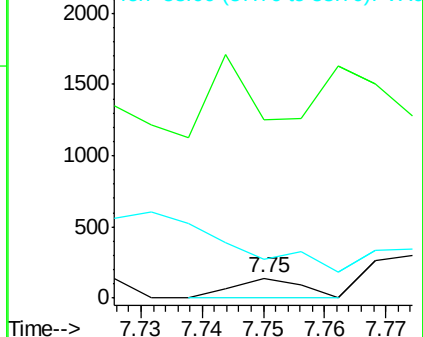
88 100

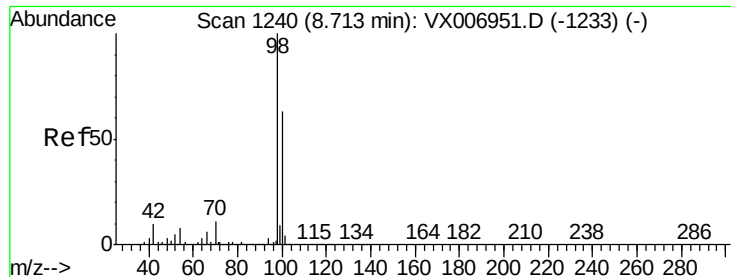
43 0.0 22.2 33.4#

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: 51.700 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007211.D

Acq: 24 Jan 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

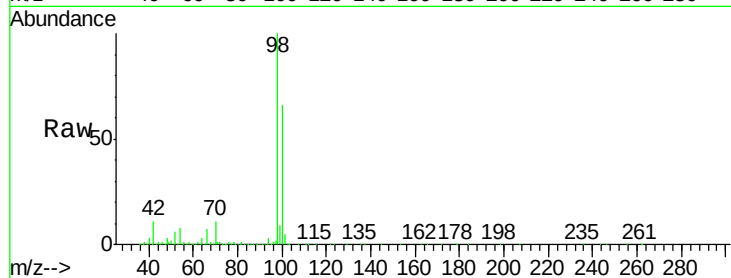
PB116589ZHE#03

Tot Ion: 98 Resp: 987985

Ion Ratio Lower Upper

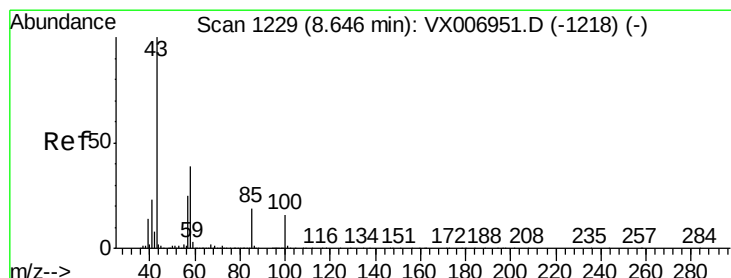
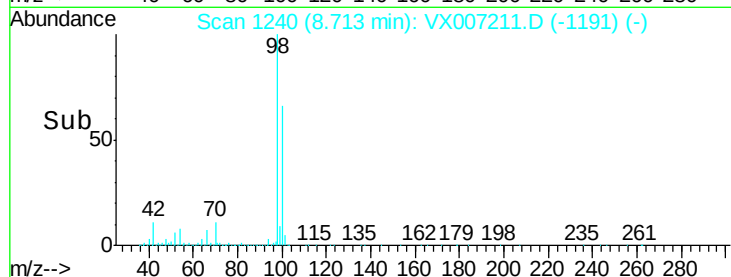
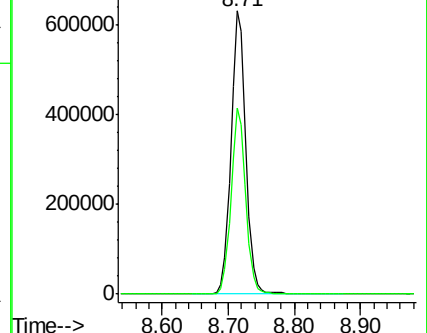
98 100

100 65.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 18.268 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007211.D

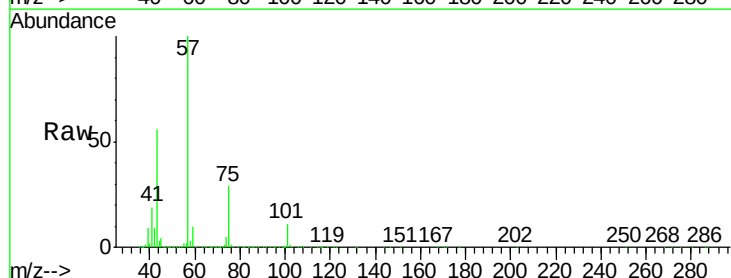
Acq: 24 Jan 2019 18:35

Tgt Ion: 43 Resp: 140724

Ion Ratio Lower Upper

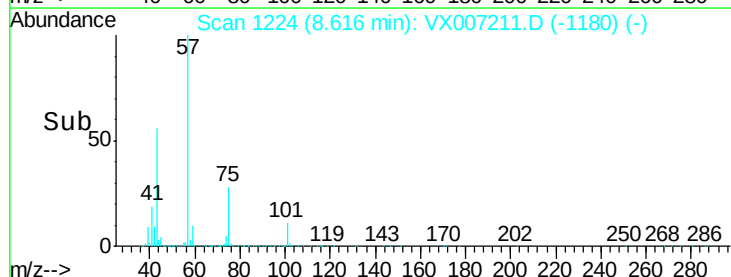
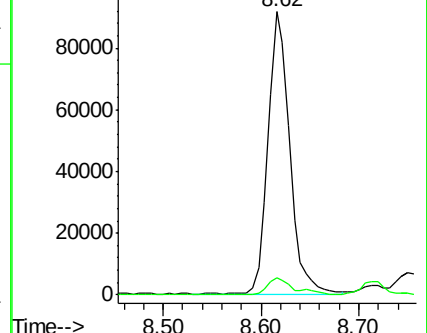
43 100

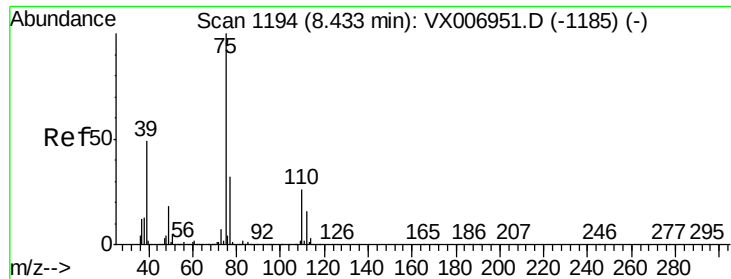
58 5.9 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#54

cis-1,3-Dichloropropene

Concen: 9.087 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.19 min

Lab File: VX007211.D

Acq: 24 Jan 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#03

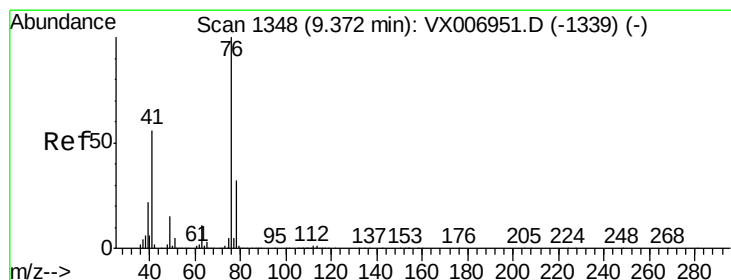
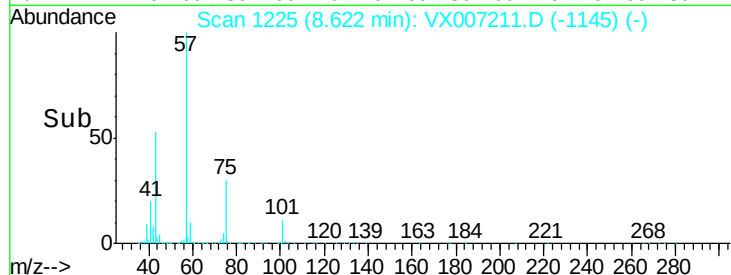
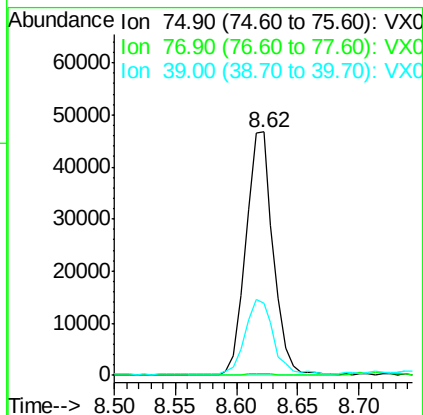
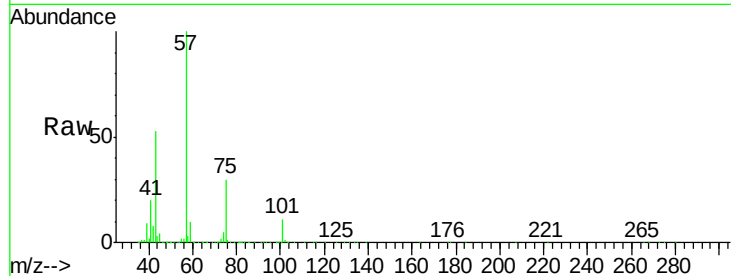
Tot Ion: 75 Resp: 72376

Ion Ratio Lower Upper

75 100

77 0.7 26.2 39.2#

39 28.9 36.7 55.1#



#57

1,3-Dichloropropane

Concen: 1.855 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX007211.D

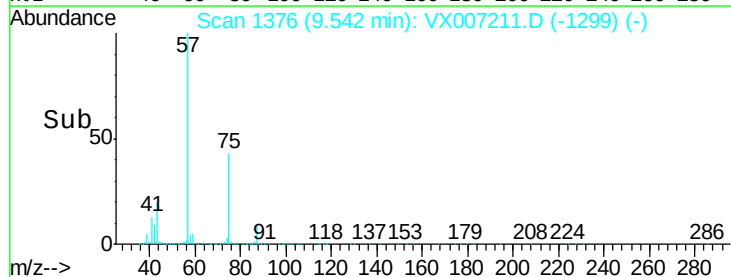
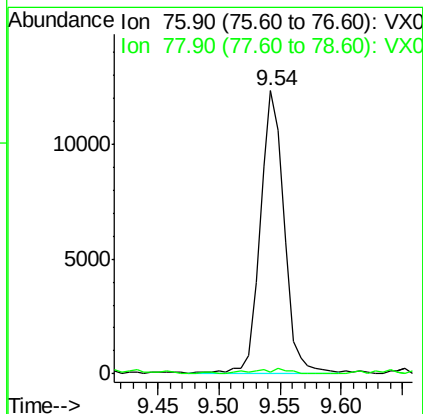
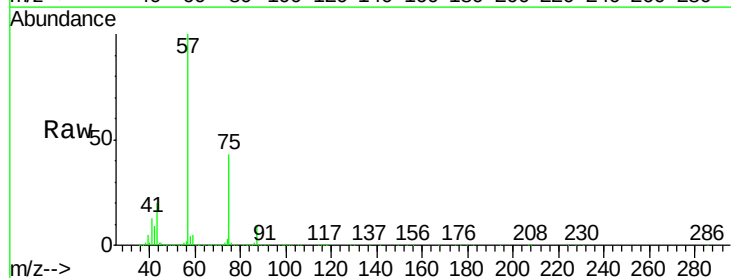
Acq: 24 Jan 2019 18:35

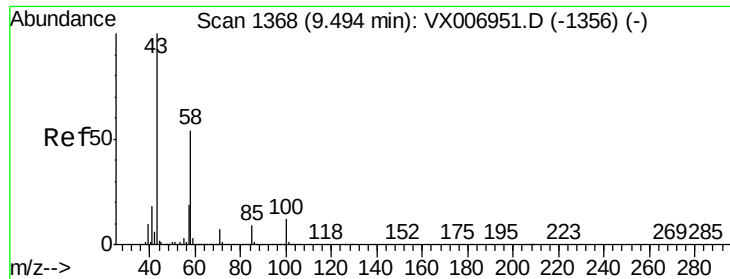
Tgt Ion: 76 Resp: 16908

Ion Ratio Lower Upper

76 100

78 1.1 26.0 39.0#

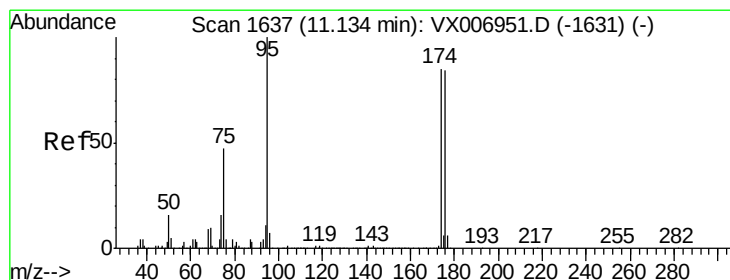
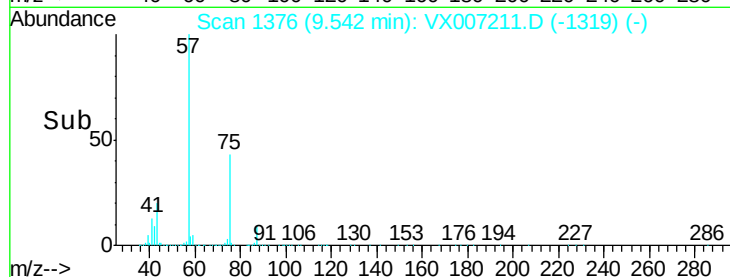
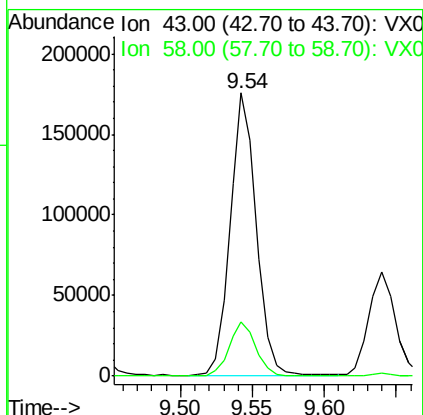
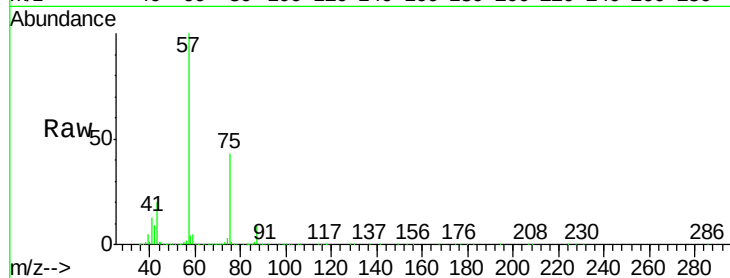




#59
2-Hexanone
Concen: 37.783 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX007211.D
Acq: 24 Jan 2019 18:35

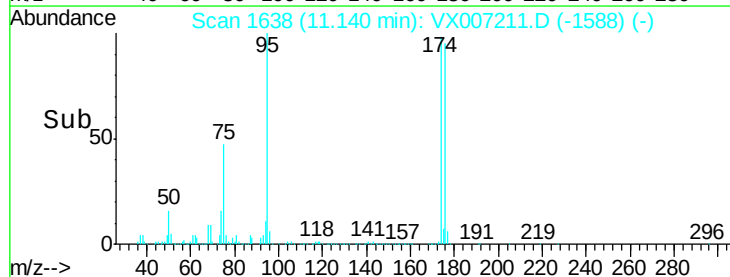
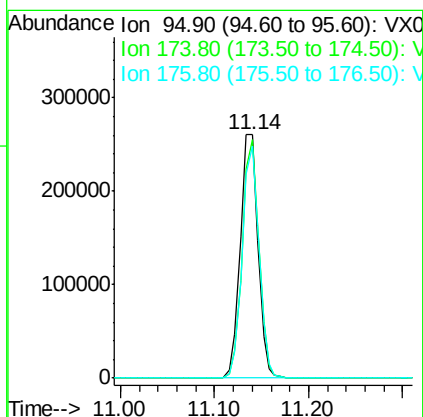
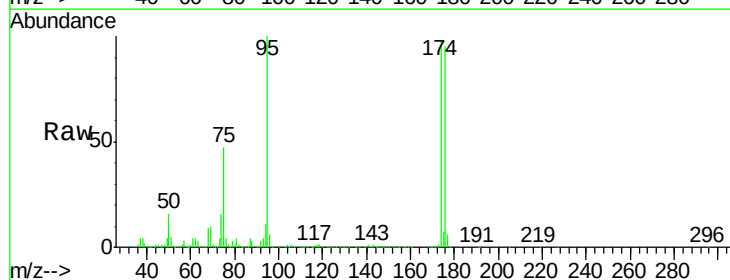
Instrument :
MSVOA_X
ClientSampleId :
PB116589ZHE#03

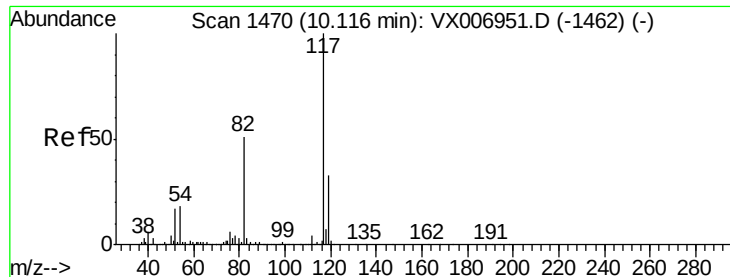
Tot Ion: 43 Resp: 221793
Ion Ratio Lower Upper
43 100
58 19.6 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 51.597 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX007211.D
Acq: 24 Jan 2019 18:35

Tgt Ion: 95 Resp: 343747
Ion Ratio Lower Upper
95 100
174 92.2 0.0 182.2
176 90.5 0.0 178.8

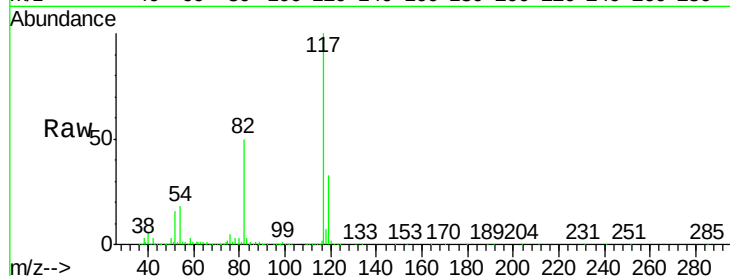




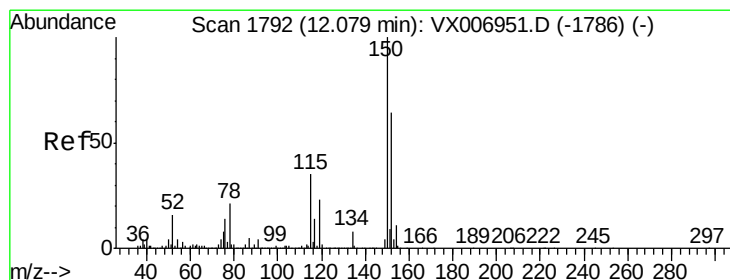
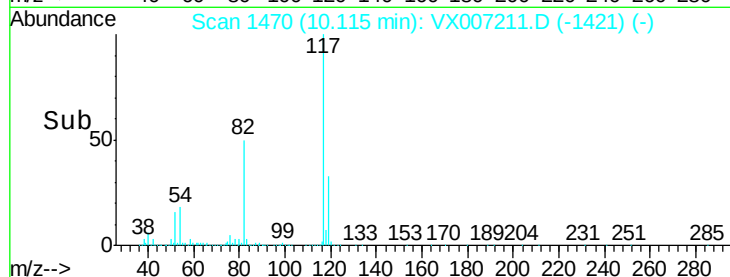
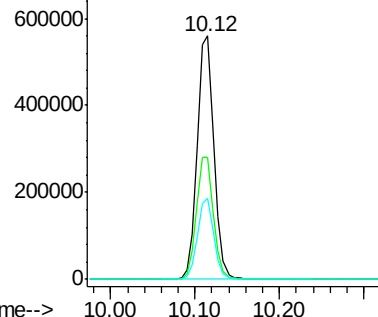
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007211.D
Acq: 24 Jan 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
PB116589ZHE#03

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.0	61.6
119	33.2	25.4	38.0

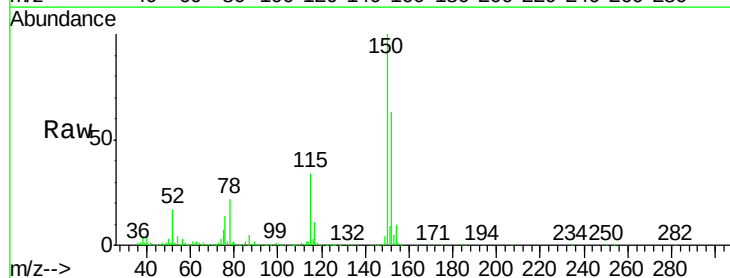


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

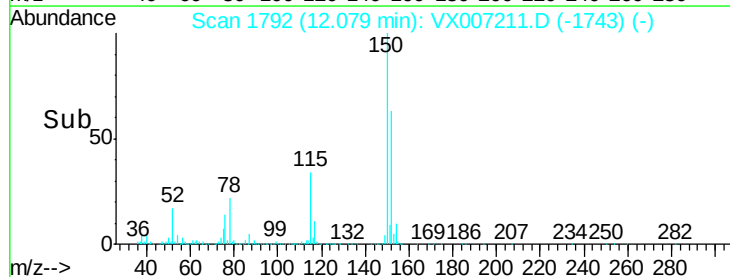
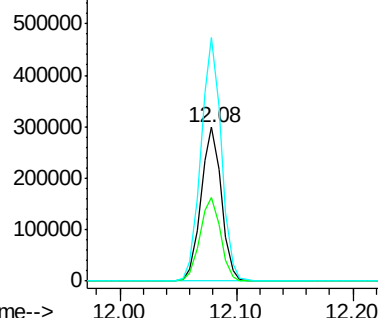


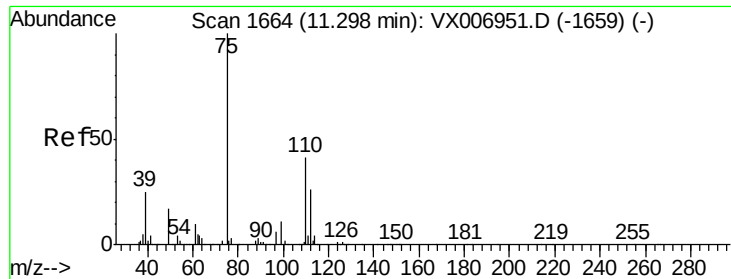
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007211.D
Acq: 24 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	39.1	117.2
150	157.1	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: 22.225 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007211.D

Acq: 24 Jan 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

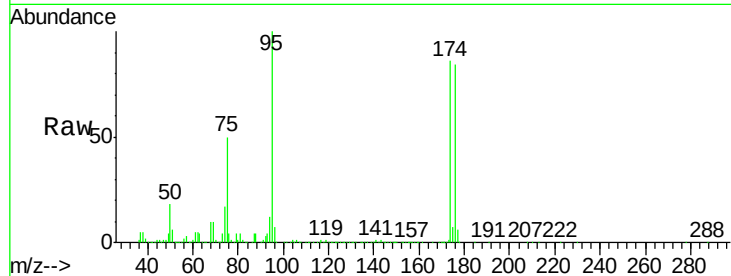
PB116589ZHE#03

Tot Ion: 75 Resp: 163548

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

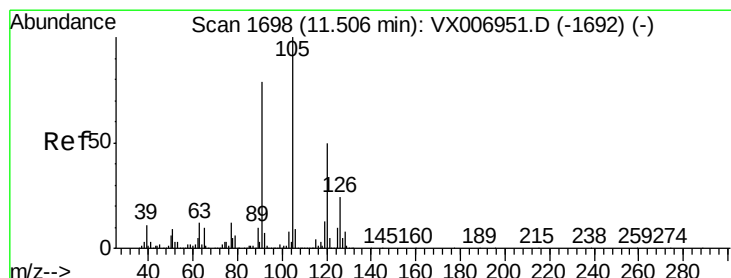
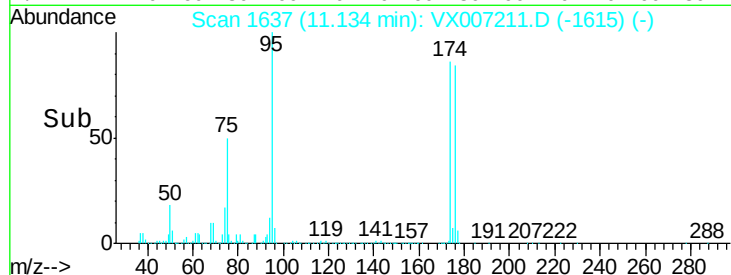
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.209 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007211.D

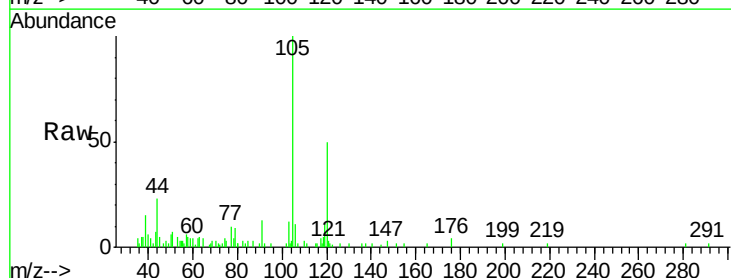
Acq: 24 Jan 2019 18:35

Tgt Ion:105 Resp: 4466

Ion Ratio Lower Upper

105 100

120 58.2 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

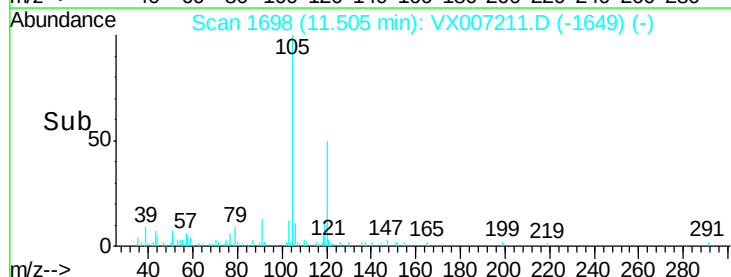
3000

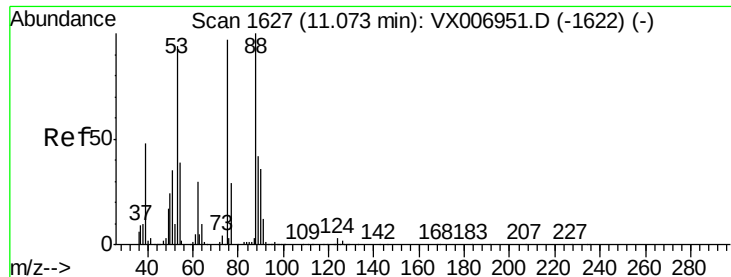
2000

1000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 65.779 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007211.D

Acq: 24 Jan 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#03

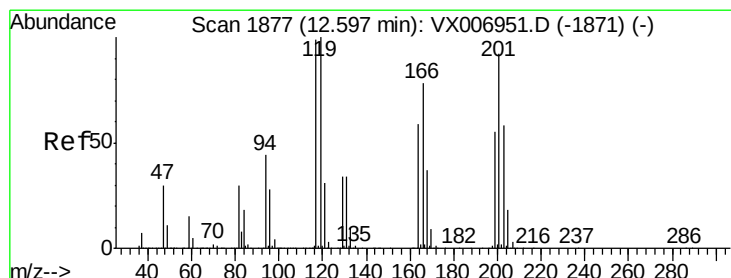
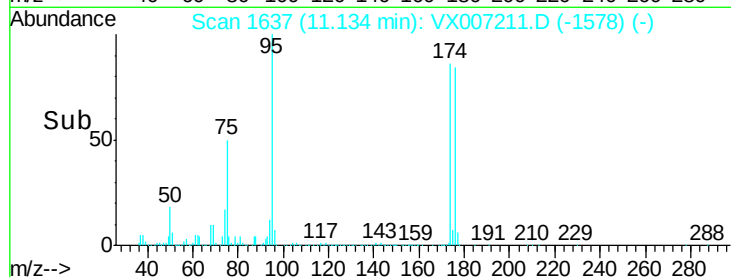
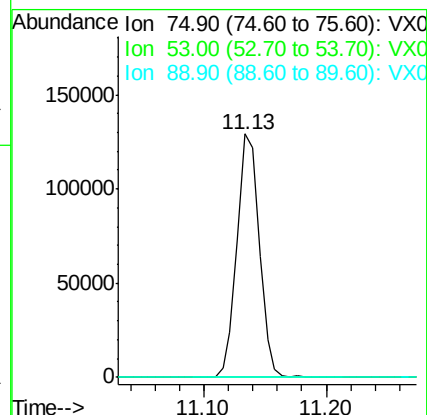
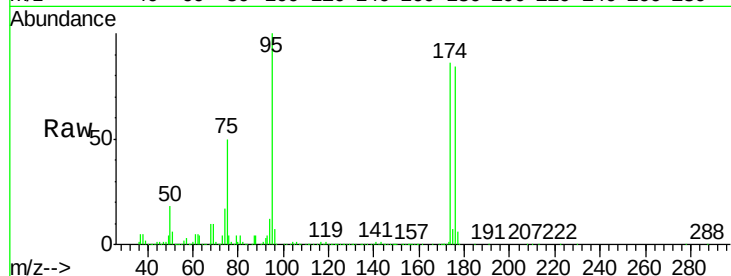
Tot Ion: 75 Resp: 163548

Ion Ratio Lower Upper

75 100

53 0.3 79.7 119.5#

89 0.1 38.0 57.0#



#90

Hexachloroethane

Concen: 2.931 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX007211.D

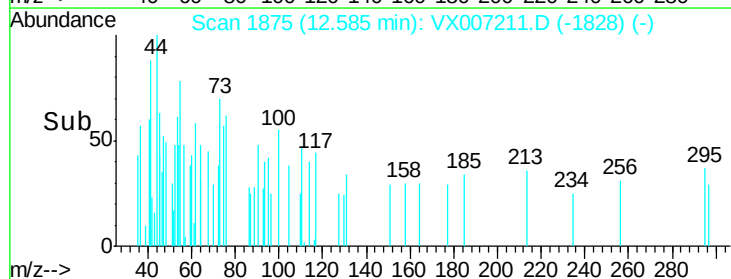
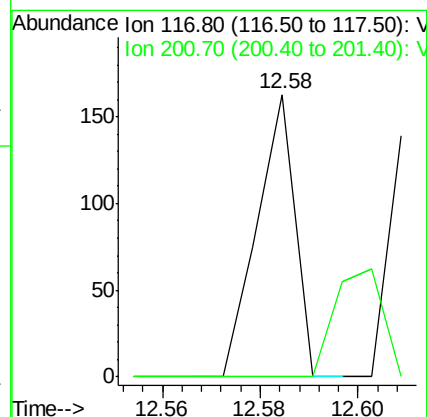
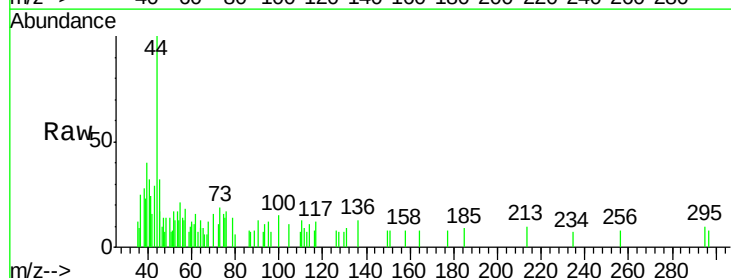
Acq: 24 Jan 2019 18:35

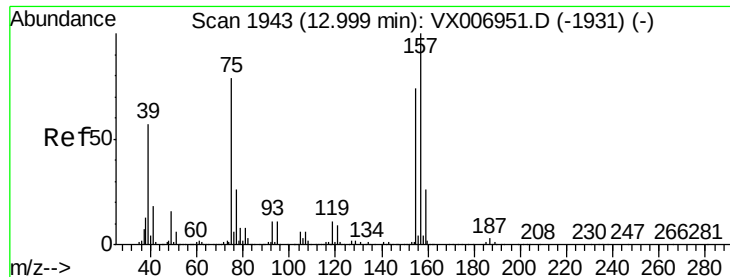
Tgt Ion: 117 Resp: 87

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.264 ug/l

RT: 12.99 min Scan# 1941

Delta R.T. -0.01 min

Lab File: VX007211.D

Acq: 24 Jan 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

PB116589ZHE#03

Tot Ion: 75 Resp: 425

Ion Ratio Lower Upper

75 100

155 0.0 50.6 151.8#

157 0.0 64.6 193.8#

