

Data File : VX001850.D

Acq On : 19 May 2018 02:54

Operator : JC/MD

Sample : PB109413ZHE#01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#01

Quant Time: May 21 03:19:08 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	265924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	355690	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	261423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125820	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	156543	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	
35) Dibromofluoromethane	5.51	113	138190	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
50) Toluene-d8	8.72	98	490330	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
62) 4-Bromofluorobenzene	11.14	95	124863	32.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.52%	

Target Compounds

						Qvalue
5) Bromomethane	1.66	94	1656	Below Cal		92
6) Chloroethane	1.63	64	1073	0.55 ug/l	#	43
8) Diethyl Ether	2.19	74	951	0.51 ug/l		97
10) Methyl Iodide	2.52	142	1567	0.62 ug/l	#	95
11) Tert butyl alcohol	3.07	59	228	0.36 ug/l	#	72
16) Acetone	2.45	43	7930	5.66 ug/l		100
18) Methyl Acetate	2.78	43	25522	6.24 ug/l		98
20) Methylene Chloride	2.85	84	6686	2.23 ug/l		96
25) 2-Butanone	4.71	43	3117	1.45 ug/l	#	83
29) Tetrahydrofuran	5.18	42	918	0.66 ug/l	#	72
31) Cyclohexane	5.67	56	4178	0.93 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	15173	3.71 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	22085	5.15 ug/l	#	17
76) 1,2,3-Trichloropropane	11.14	75	58024	24.25 ug/l	#	40
81) trans-1,4-Dichloro-2-buten	11.14	75	58024	70.80 ug/l	#	10

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 33 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#01

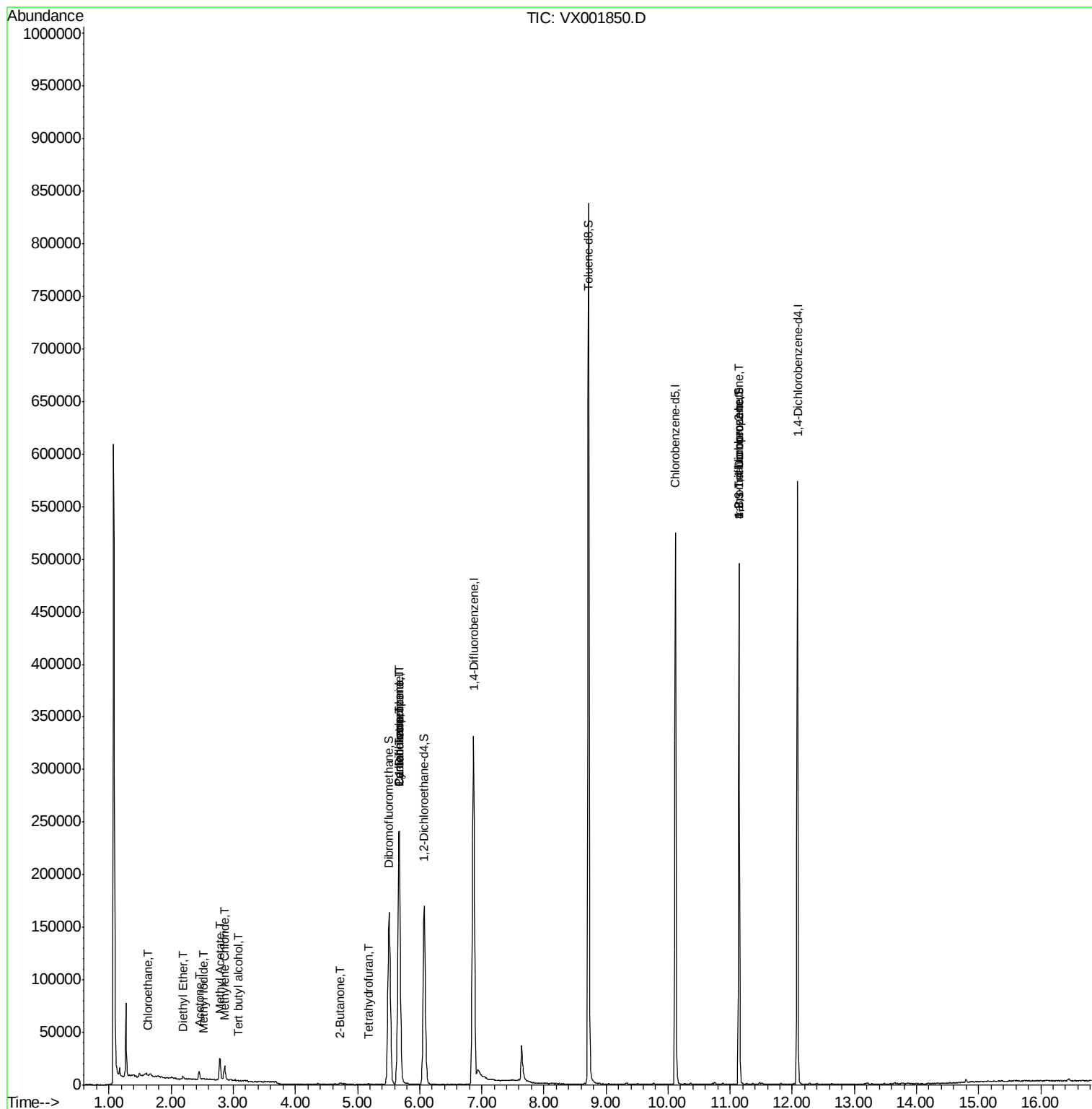
Quant Time: May 21 03:19:08 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001850.D

Acq: 19 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

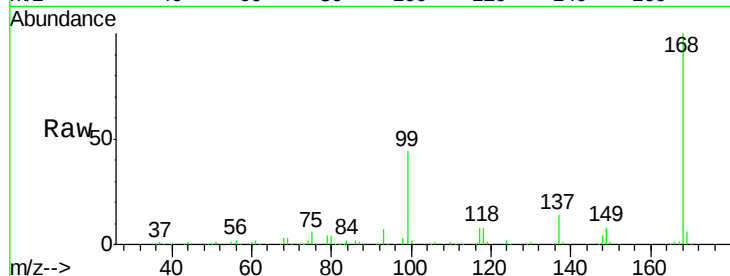
PB109413ZHE#01

Tgt Ion:168 Resp: 265924

Ion Ratio Lower Upper

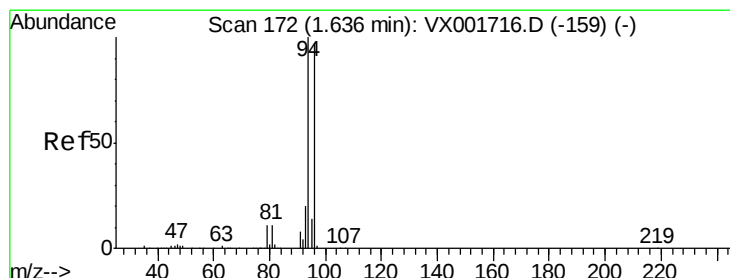
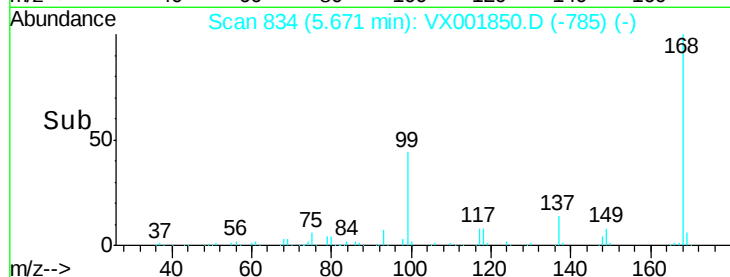
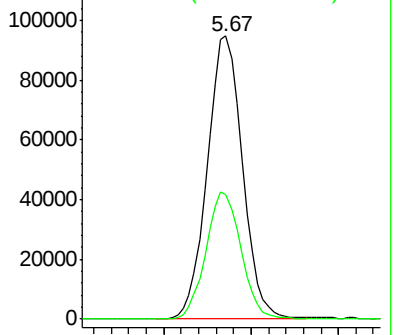
168 100

99 44.2 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001850.D

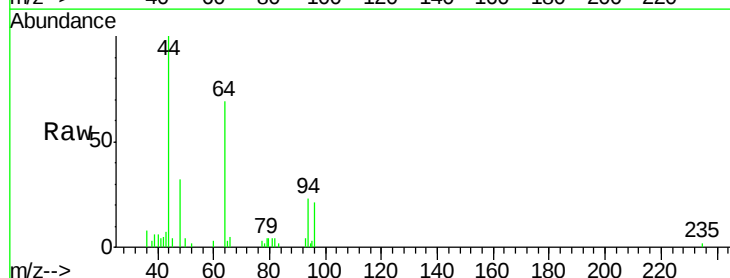
Acq: 19 May 2018 02:54

Tgt Ion: 94 Resp: 1656

Ion Ratio Lower Upper

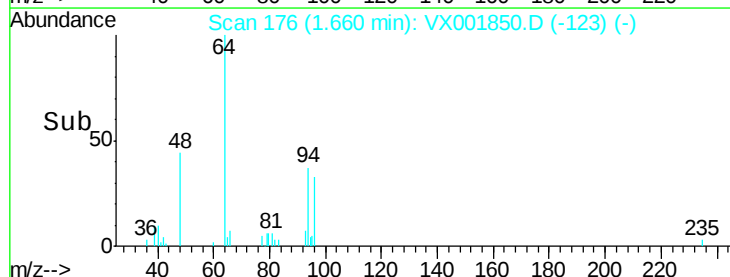
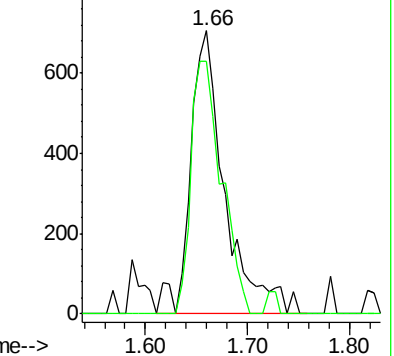
94 100

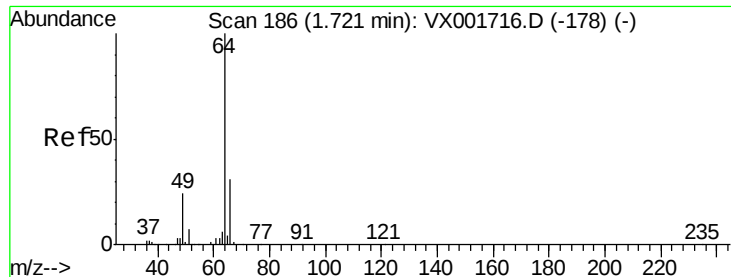
96 89.1 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.55 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.09 min

Lab File: VX001850.D

Acq: 19 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

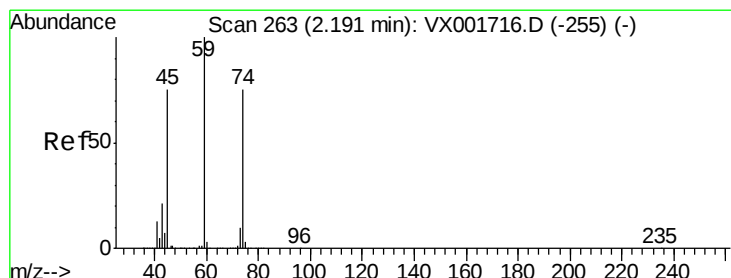
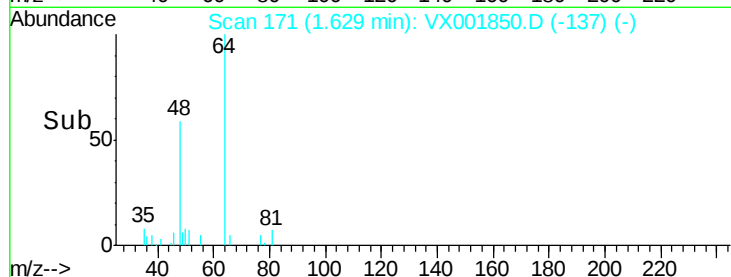
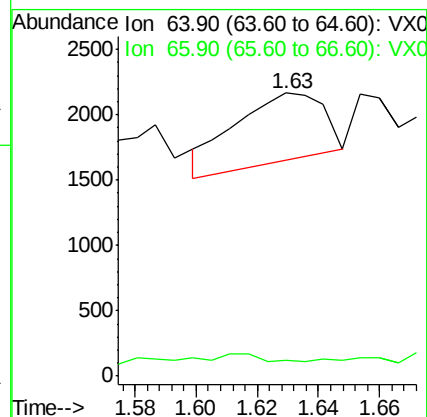
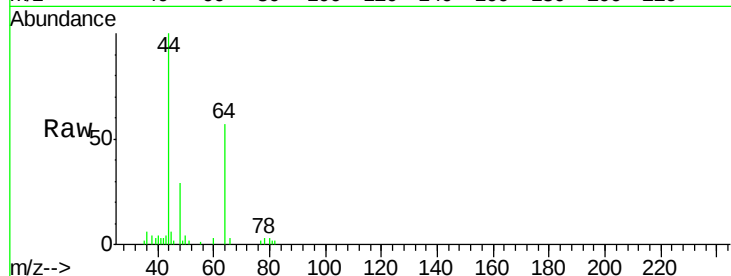
PB109413ZHE#01

Tgt Ion: 64 Resp: 1073

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#8

Diethyl Ether

Concen: 0.51 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001850.D

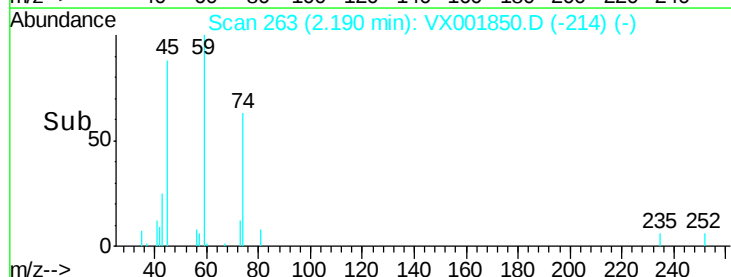
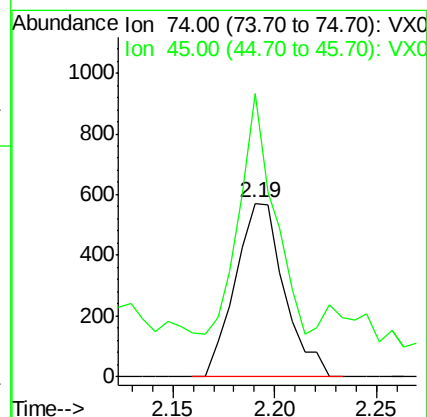
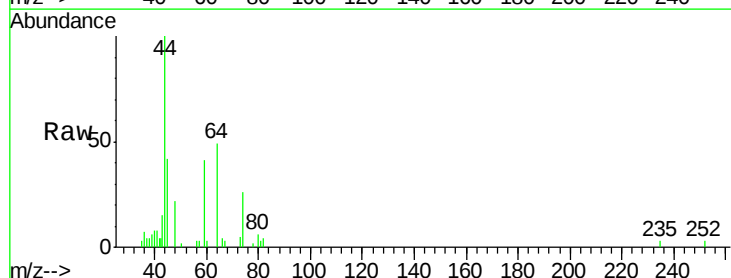
Acq: 19 May 2018 02:54

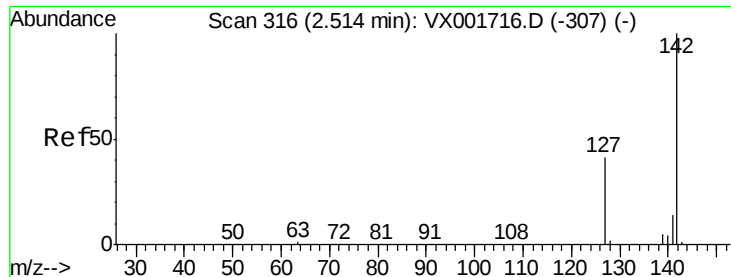
Tgt Ion: 74 Resp: 951

Ion Ratio Lower Upper

74 100

45 103.2 50.0 149.8

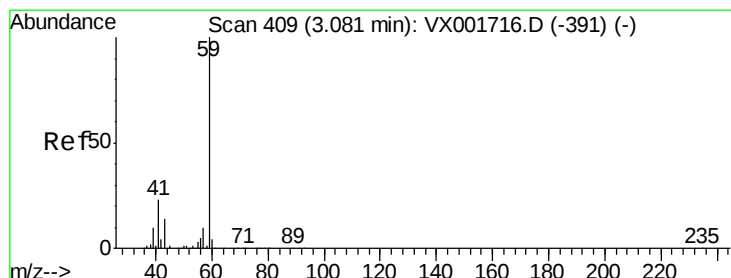
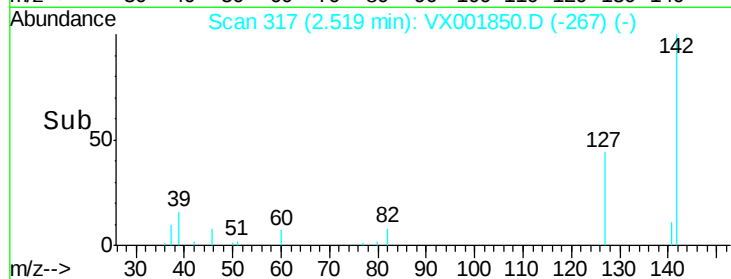
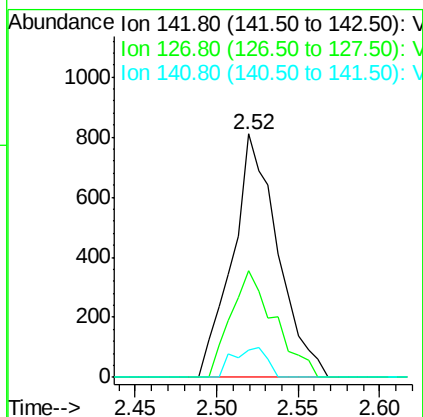
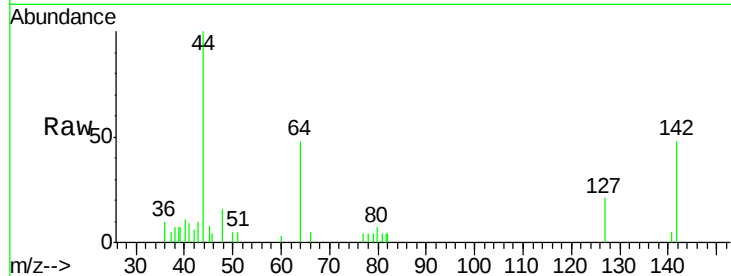




#10
Methyl Iodide
Concen: 0.62 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001850.D
Acq: 19 May 2018 02:54

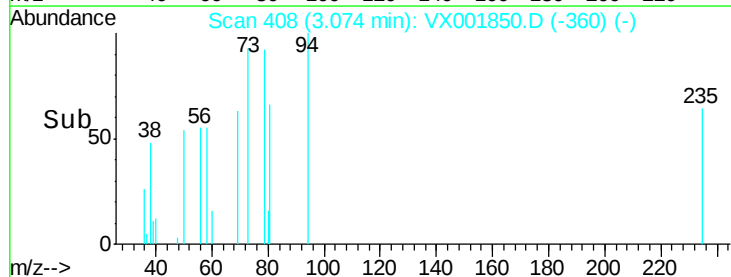
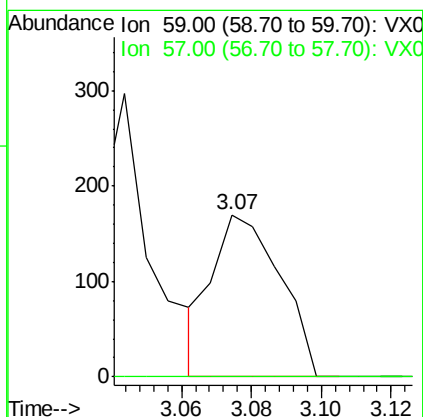
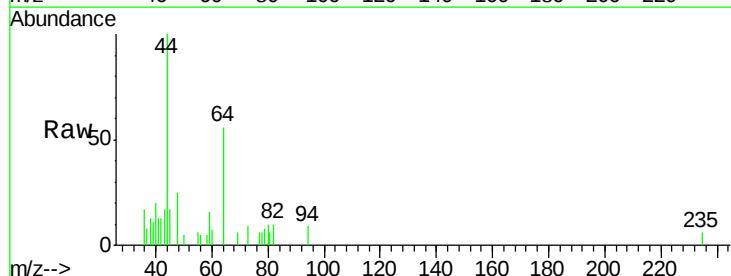
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#01

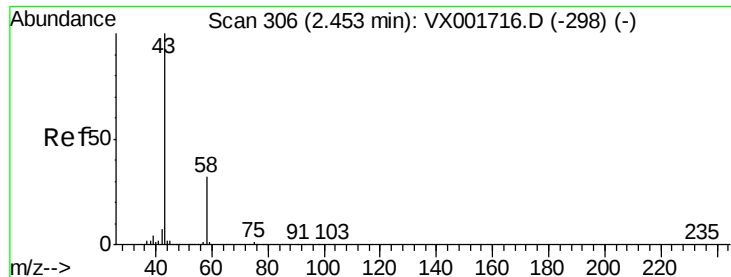
Tgt Ion:142 Resp: 1567
Ion Ratio Lower Upper
142 100
127 42.6 32.5 48.7
141 9.3 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.36 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001850.D
Acq: 19 May 2018 02:54

Tgt Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 5.66 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001850.D

Acq: 19 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

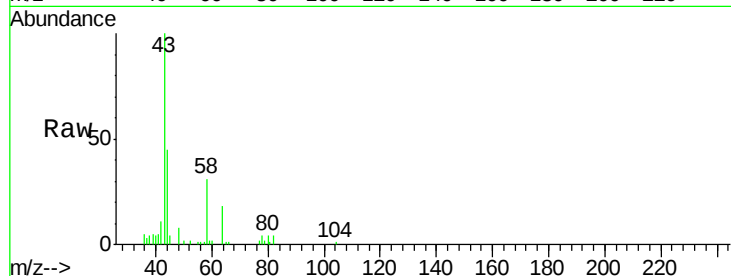
PB109413ZHE#01

Tgt Ion: 43 Resp: 7930

Ion Ratio Lower Upper

43 100

58 31.9 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

5000

4000

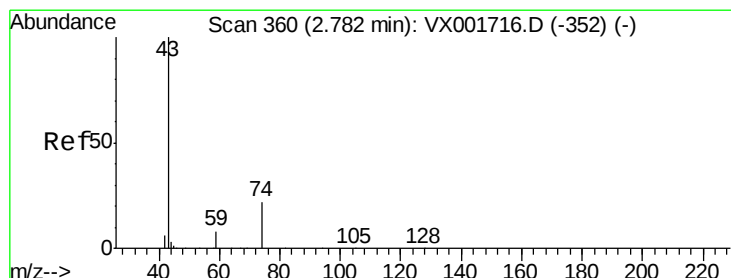
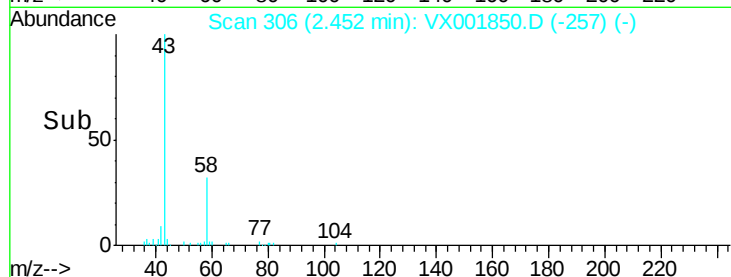
3000

2000

1000

0

Time--> 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 6.24 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001850.D

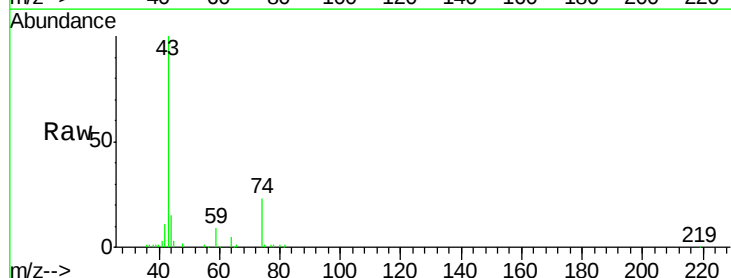
Acq: 19 May 2018 02:54

Tgt Ion: 43 Resp: 25522

Ion Ratio Lower Upper

43 100

74 23.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

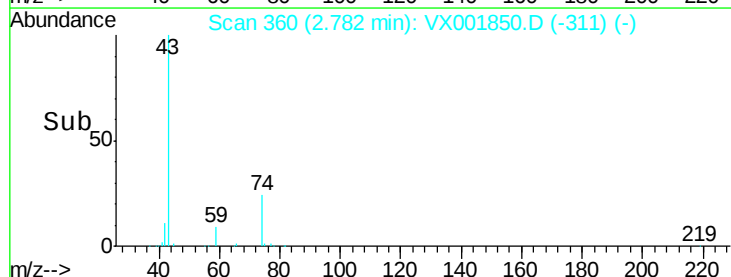
15000

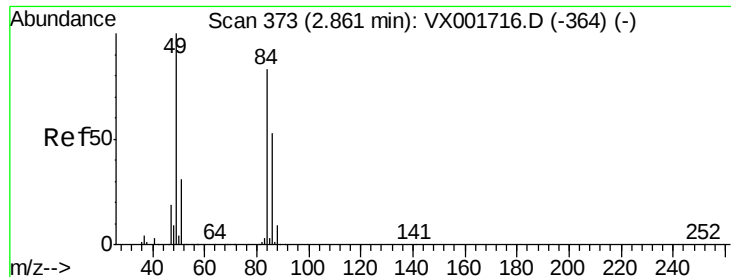
10000

5000

0

Time--> 2.70 2.75 2.80 2.85 2.90

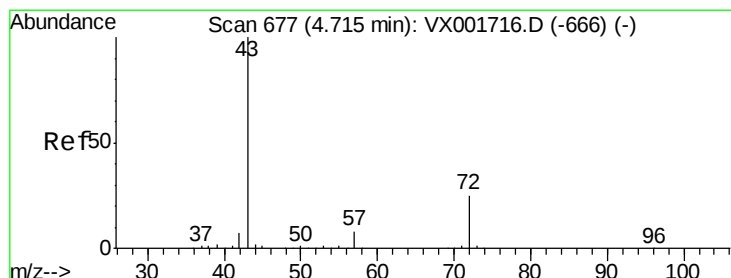
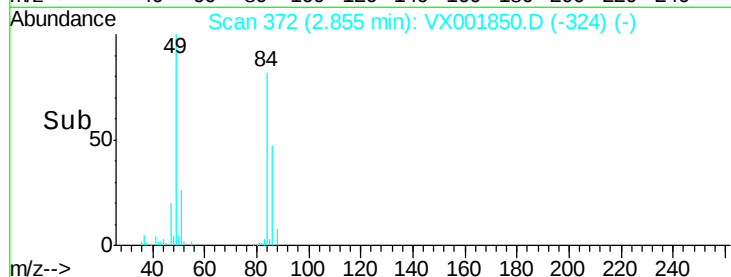
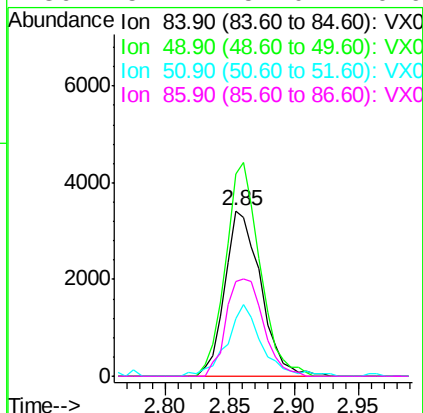
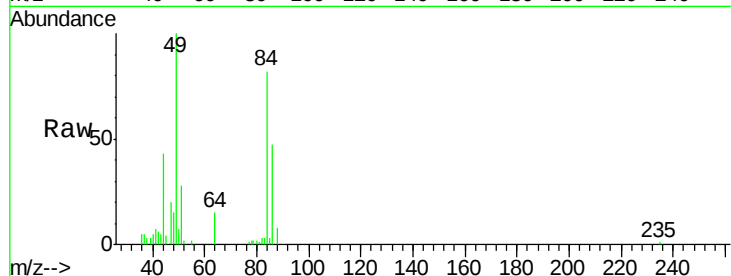




#20
Methylene Chloride
Concen: 2.23 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001850.D
Acq: 19 May 2018 02:54

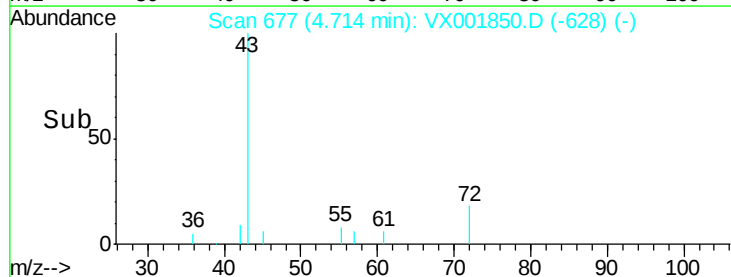
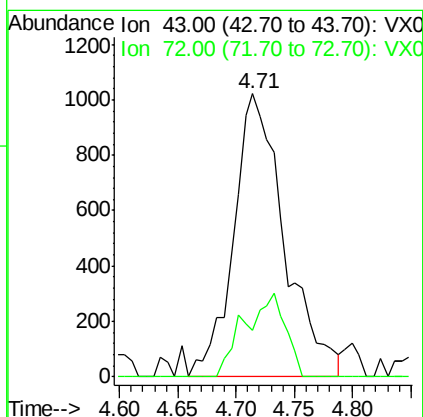
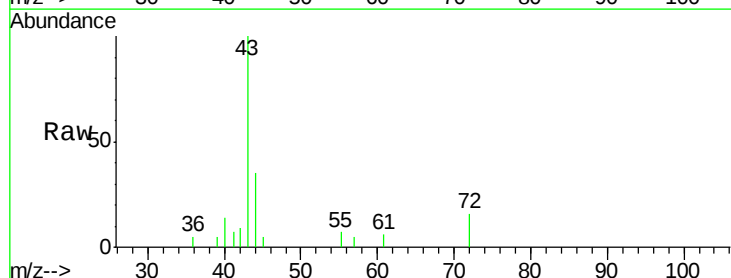
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#01

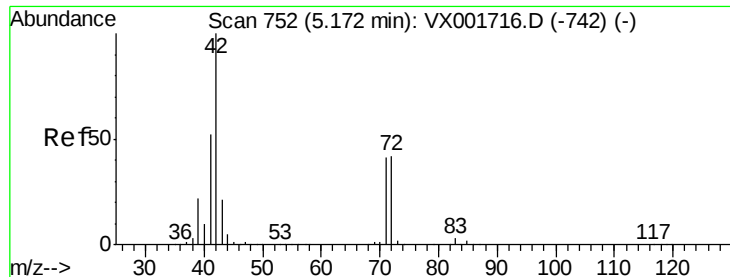
Tgt Ion:	84	Resp:	6686
Ion	Ratio	Lower	Upper
84	100		
49	122.4	96.3	144.5
51	34.9	29.8	44.6
86	57.4	51.0	76.6



#25
2-Butanone
Concen: 1.45 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX001850.D
Acq: 19 May 2018 02:54

Tgt Ion:	43	Resp:	3117
Ion	Ratio	Lower	Upper
43	100		
72	16.4	19.8	29.6#

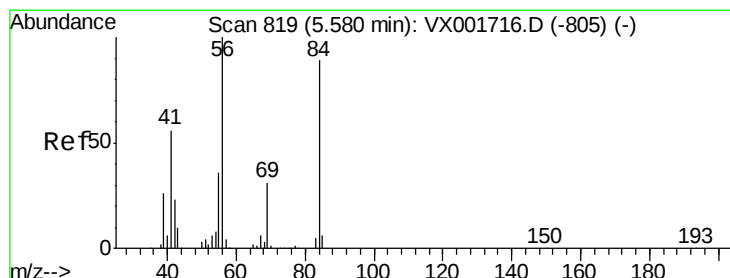
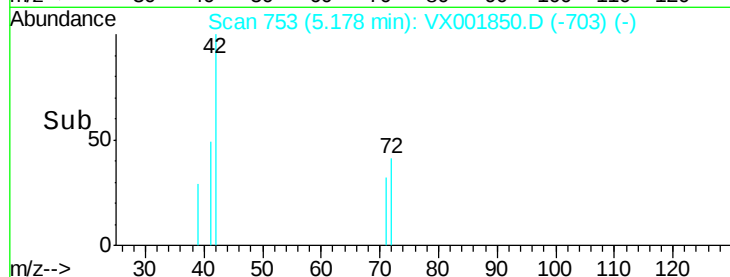
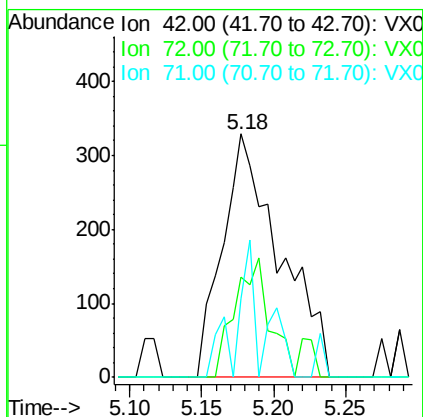
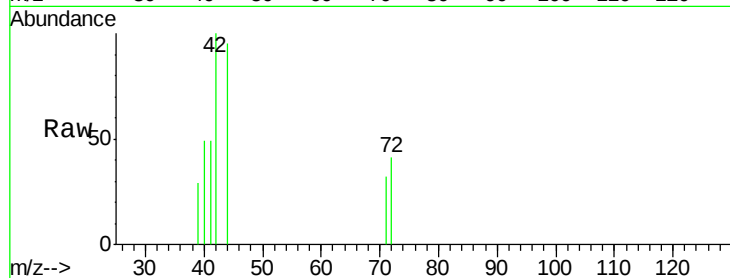




#29
Tetrahydrofuran
Concen: 0.66 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001850.D
Acq: 19 May 2018 02:54

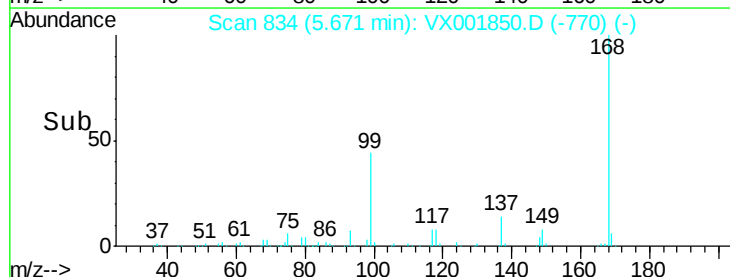
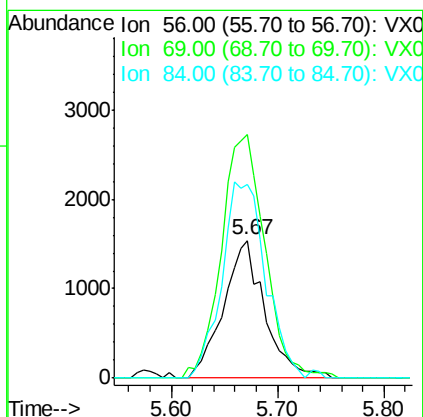
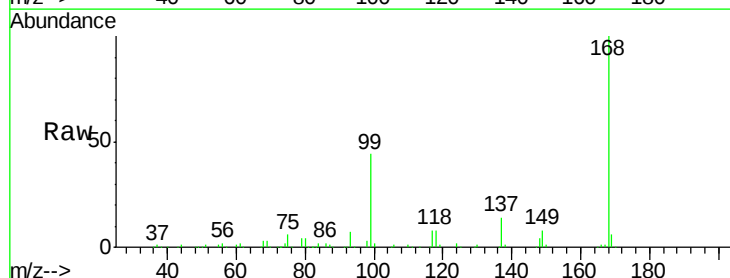
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#01

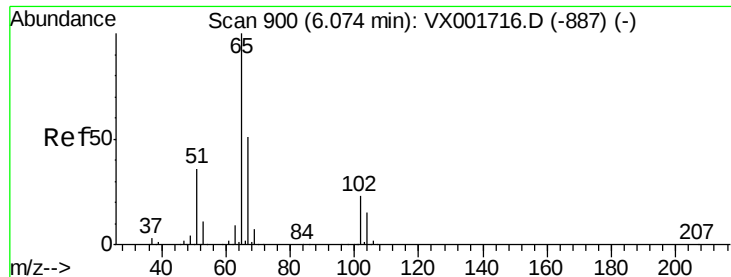
Tgt Ion: 42 Resp: 918
Ion Ratio Lower Upper
42 100
72 29.7 35.4 53.2#
71 20.0 33.2 49.8#



#31
Cyclohexane
Concen: 0.93 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001850.D
Acq: 19 May 2018 02:54

Tgt Ion: 56 Resp: 4178
Ion Ratio Lower Upper
56 100
69 176.5 25.0 37.6#
84 140.5 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 43.92 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001850.D

Acq: 19 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

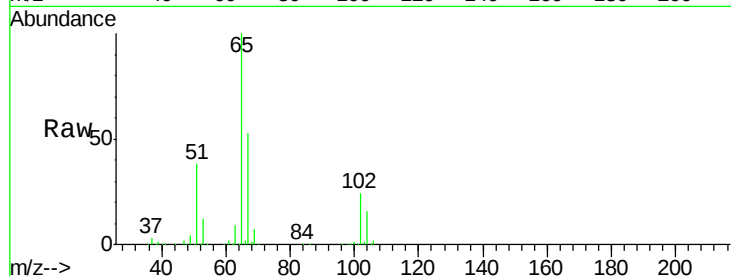
PB109413ZHE#01

Tgt Ion: 65 Resp: 156543

Ion Ratio Lower Upper

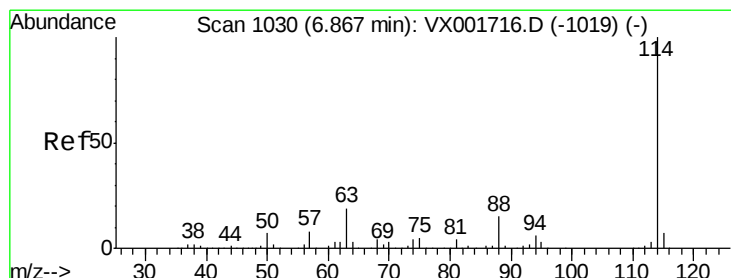
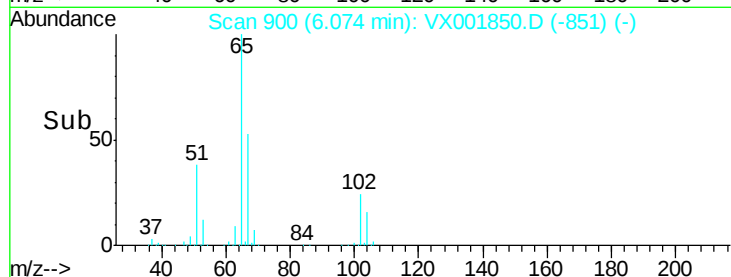
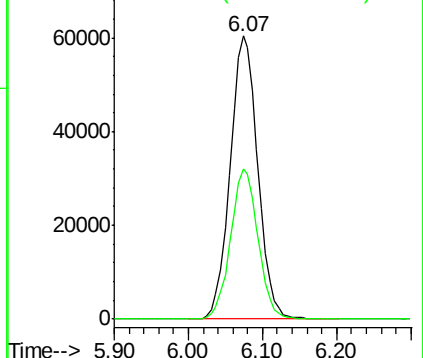
65 100

67 52.7 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001850.D

Acq: 19 May 2018 02:54

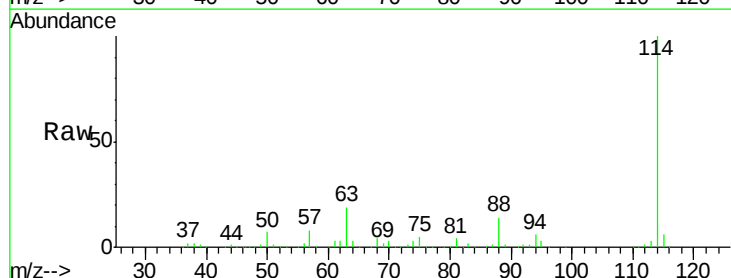
Tgt Ion: 114 Resp: 355690

Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.0

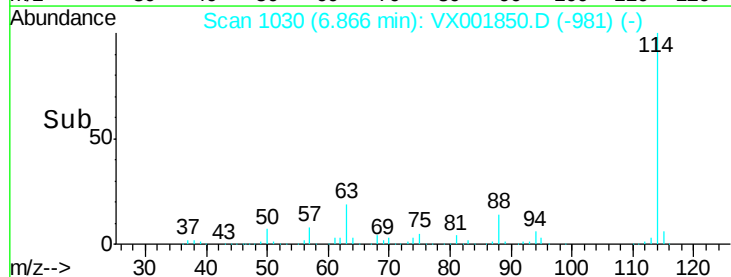
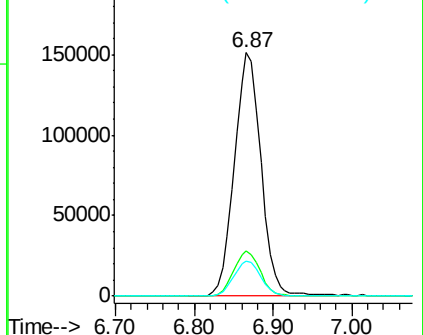
88 14.3 0.0 29.8

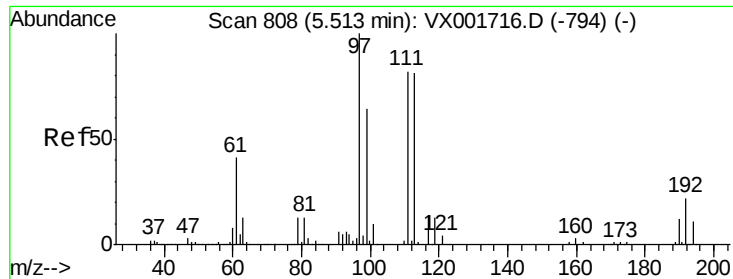


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

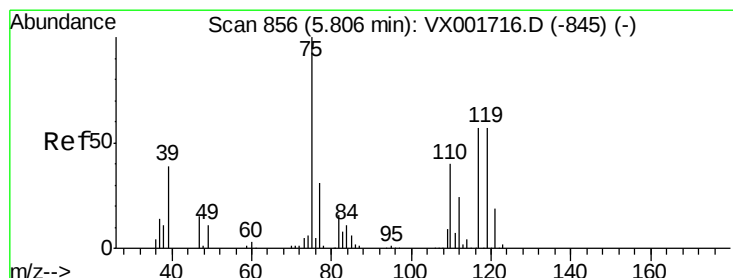
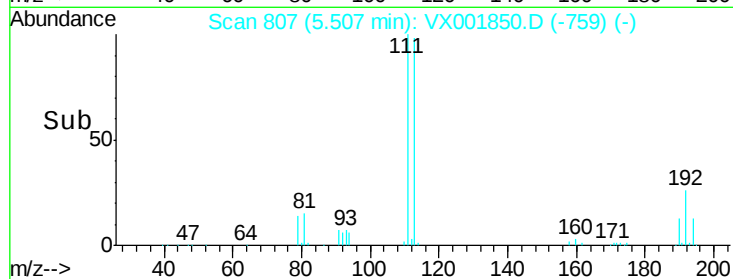
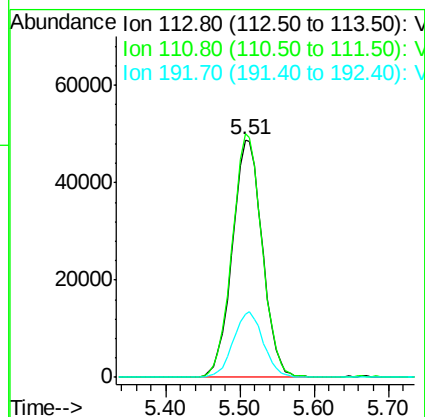
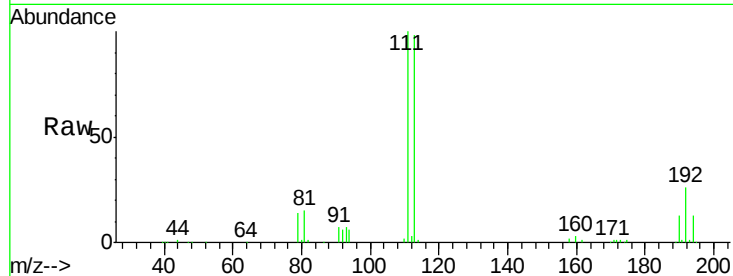




#35
 Dibromofluoromethane
 Concen: 46.04 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001850.D
 Acq: 19 May 2018 02:54

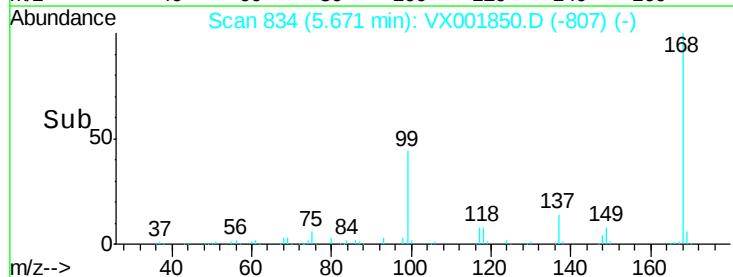
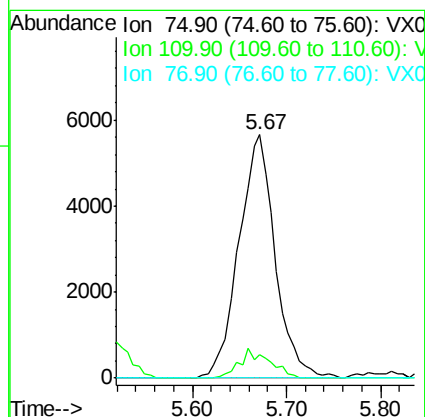
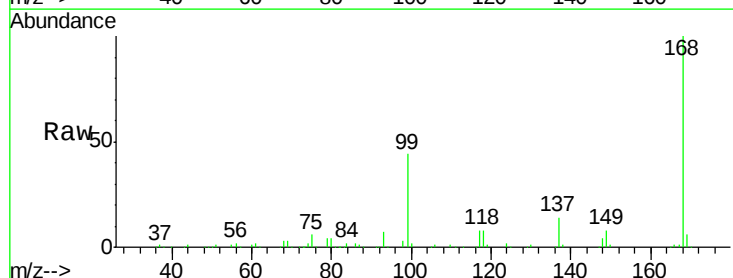
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109413ZHE#01

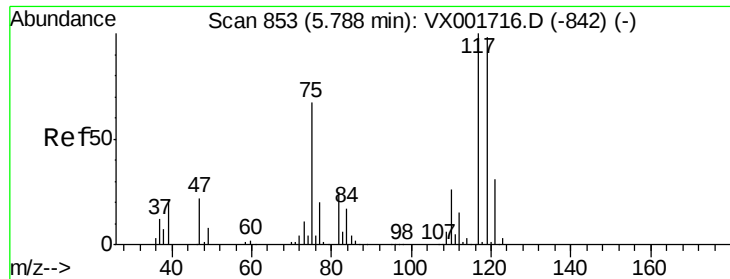
Tgt Ion:113 Resp: 138190
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.0 123.0
 192 27.5 21.6 32.4



#36
 1,1-Dichloropropene
 Concen: 3.71 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001850.D
 Acq: 19 May 2018 02:54

Tgt Ion: 75 Resp: 15173
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.1 57.1#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.15 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001850.D

Acq: 19 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#01

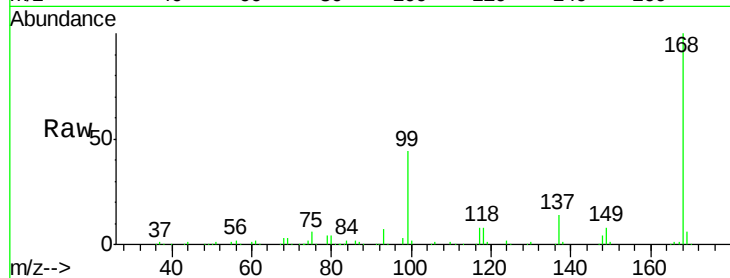
Tgt Ion: 117 Resp: 22085

Ion Ratio Lower Upper

117 100

119 7.0 77.6 116.4#

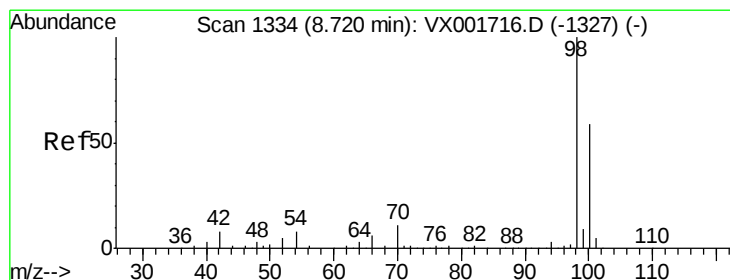
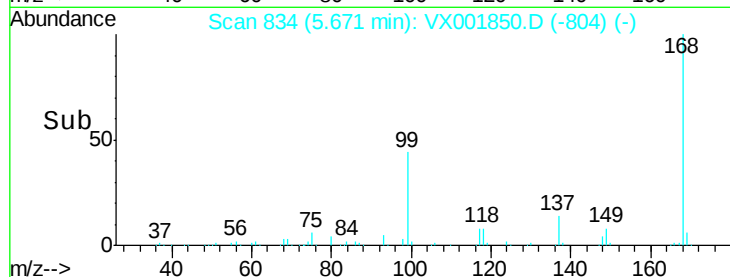
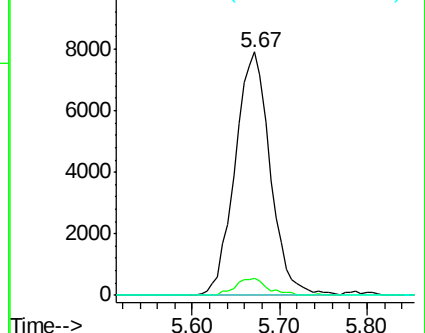
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 45.61 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001850.D

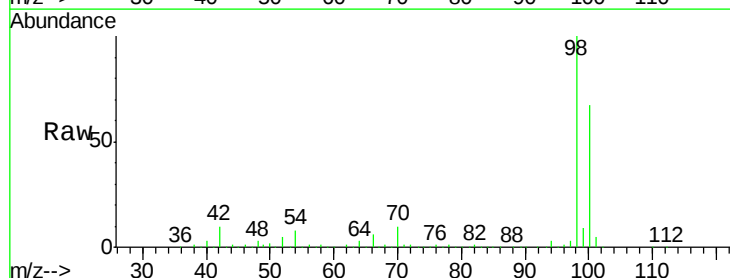
Acq: 19 May 2018 02:54

Tgt Ion: 98 Resp: 490330

Ion Ratio Lower Upper

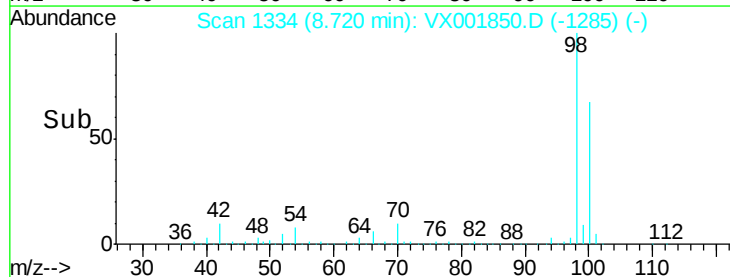
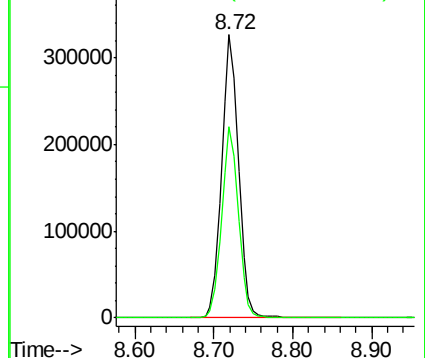
98 100

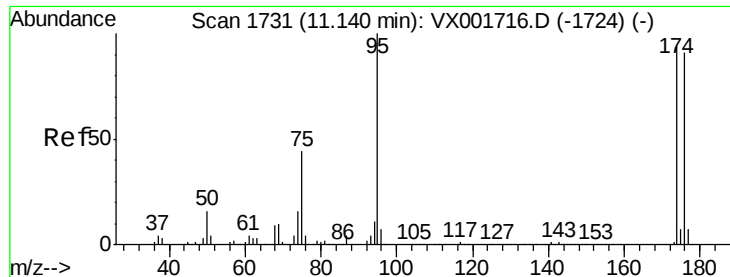
100 66.7 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

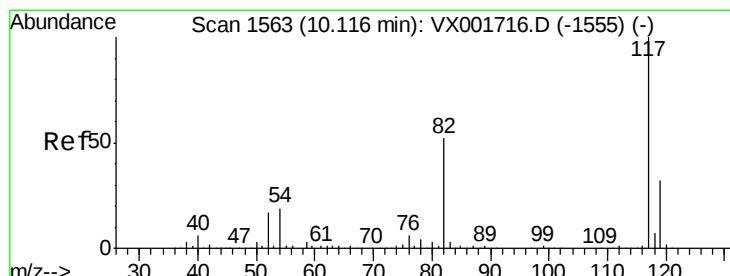
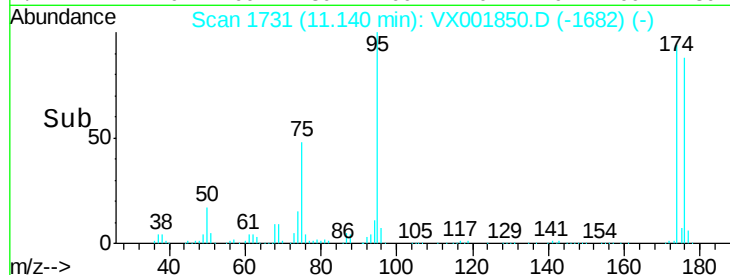
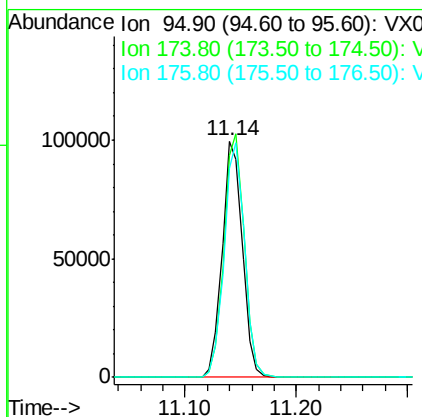
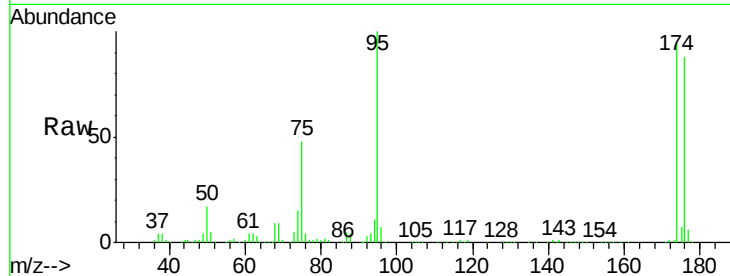




#62
4-Bromofluorobenzene
Concen: 32.26 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001850.D
Acq: 19 May 2018 02:54

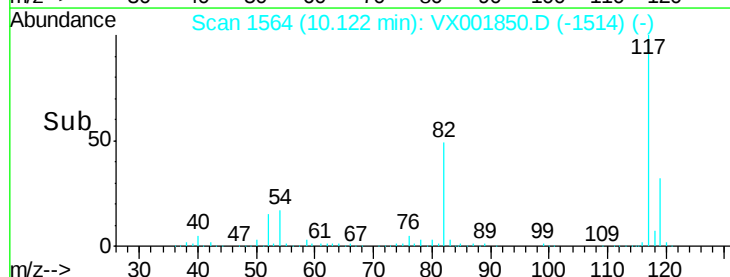
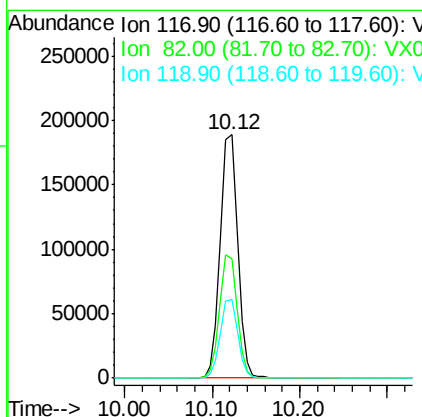
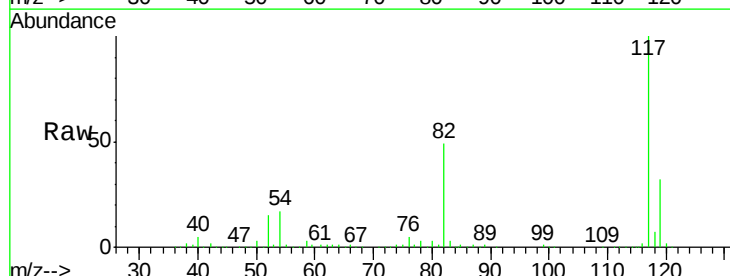
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#01

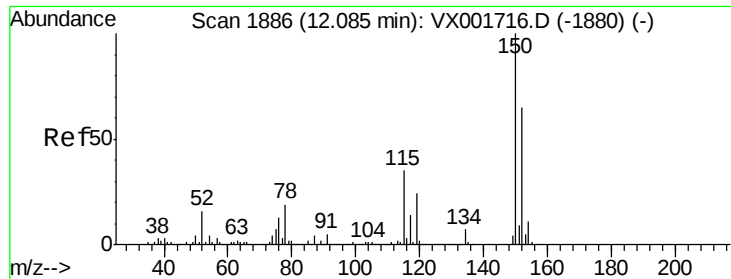
Tgt Ion: 95 Resp: 124863
Ion Ratio Lower Upper
95 100
174 103.8 0.0 201.8
176 100.2 0.0 196.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001850.D
Acq: 19 May 2018 02:54

Tgt Ion: 117 Resp: 261423
Ion Ratio Lower Upper
117 100
82 49.2 41.4 62.2
119 32.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001850.D

Acq: 19 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#01

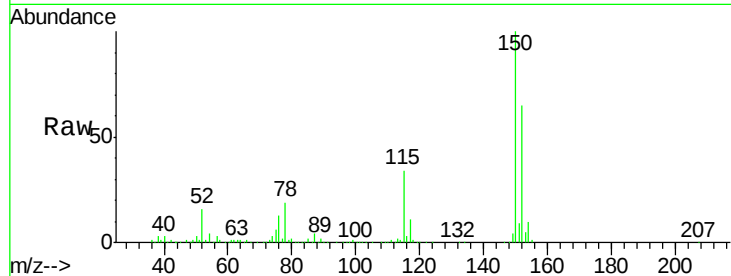
Tgt Ion:152 Resp: 125820

Ion Ratio Lower Upper

152 100

115 52.2 37.4 112.2

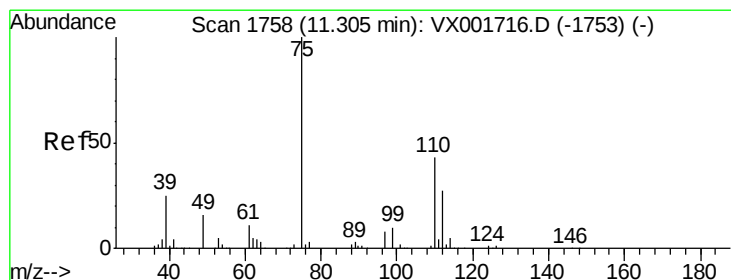
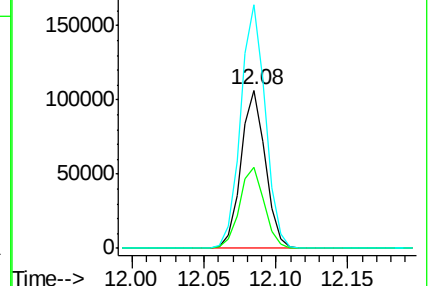
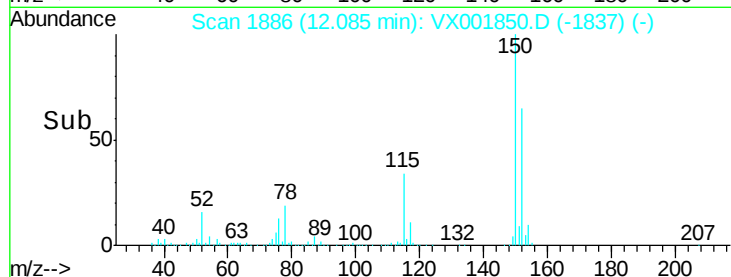
150 156.5 0.0 344.8



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



#76

1,2,3-Trichloropropane

Concen: 24.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001850.D

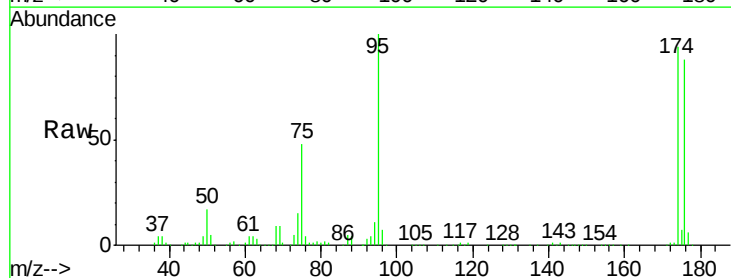
Acq: 19 May 2018 02:54

Tgt Ion: 75 Resp: 58024

Ion Ratio Lower Upper

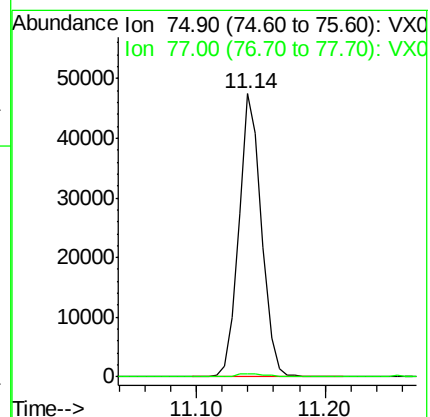
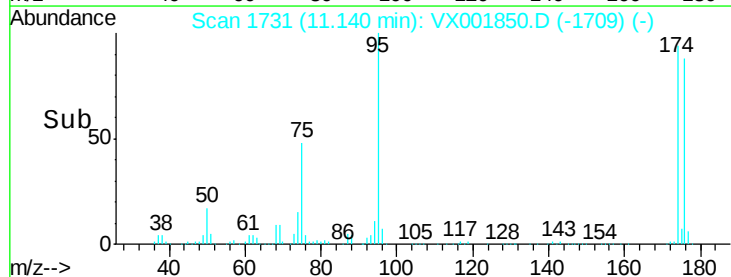
75 100

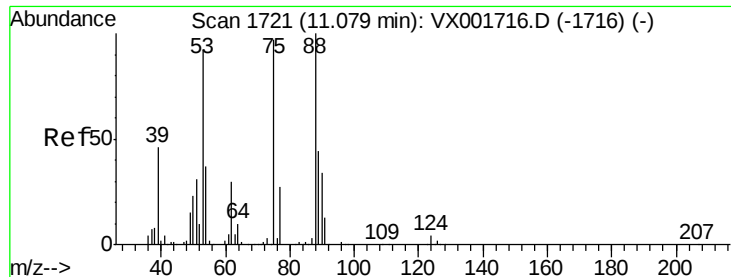
77 1.4 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 70.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001850.D

Acq: 19 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#01

Tgt Ion: 75 Resp: 58024

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#

