

Data File : VX000264.D
Acq On : 09 Mar 2018 18:58
Operator : JC/MD
Sample : PB10718TB 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB10718TB 5X

Quant Time: Mar 09 23:32:23 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 08 02:15:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	79086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	133939	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	125524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	64944	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	52712	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	5.52	113	40981	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	8.73	98	164275	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
62) 4-Bromofluorobenzene	11.15	95	58089	42.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.42%	

Target Compounds				Qvalue		
5) Bromomethane	1.65	94	496	Below Cal	#	52
10) Methyl Iodide	2.53	142	343	3.48	ug/l #	82
13) Acrolein	2.29	56	43	0.20	ug/l #	81
16) Acetone	2.46	43	2627	3.34	ug/l	98
17) Carbon Disulfide	2.57	76	497	0.22	ug/l #	89
18) Methyl Acetate	2.78	43	387	0.23	ug/l #	75
20) Methylene Chloride	2.87	84	1489	1.59	ug/l #	73
29) Tetrahydrofuran	5.20	42	183	0.30	ug/l #	31
31) Cyclohexane	5.68	56	2103	1.75	ug/l #	49
36) 1,1-Dichloropropene	5.68	75	6307	5.29	ug/l #	52
38) Carbon Tetrachloride	5.67	117	7891	6.54	ug/l #	12
43) Isopropyl Acetate	6.49	43	1121	0.45	ug/l #	82
59) 2-Hexanone	9.55	43	440	0.27	ug/l #	25
74) N-amyl acetate	6.49	43	1121	0.54	ug/l #	90
76) 1,2,3-Trichloropropane	11.15	75	32444	24.92	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	32444	76.31	ug/l #	10

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

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB10718TB 5X

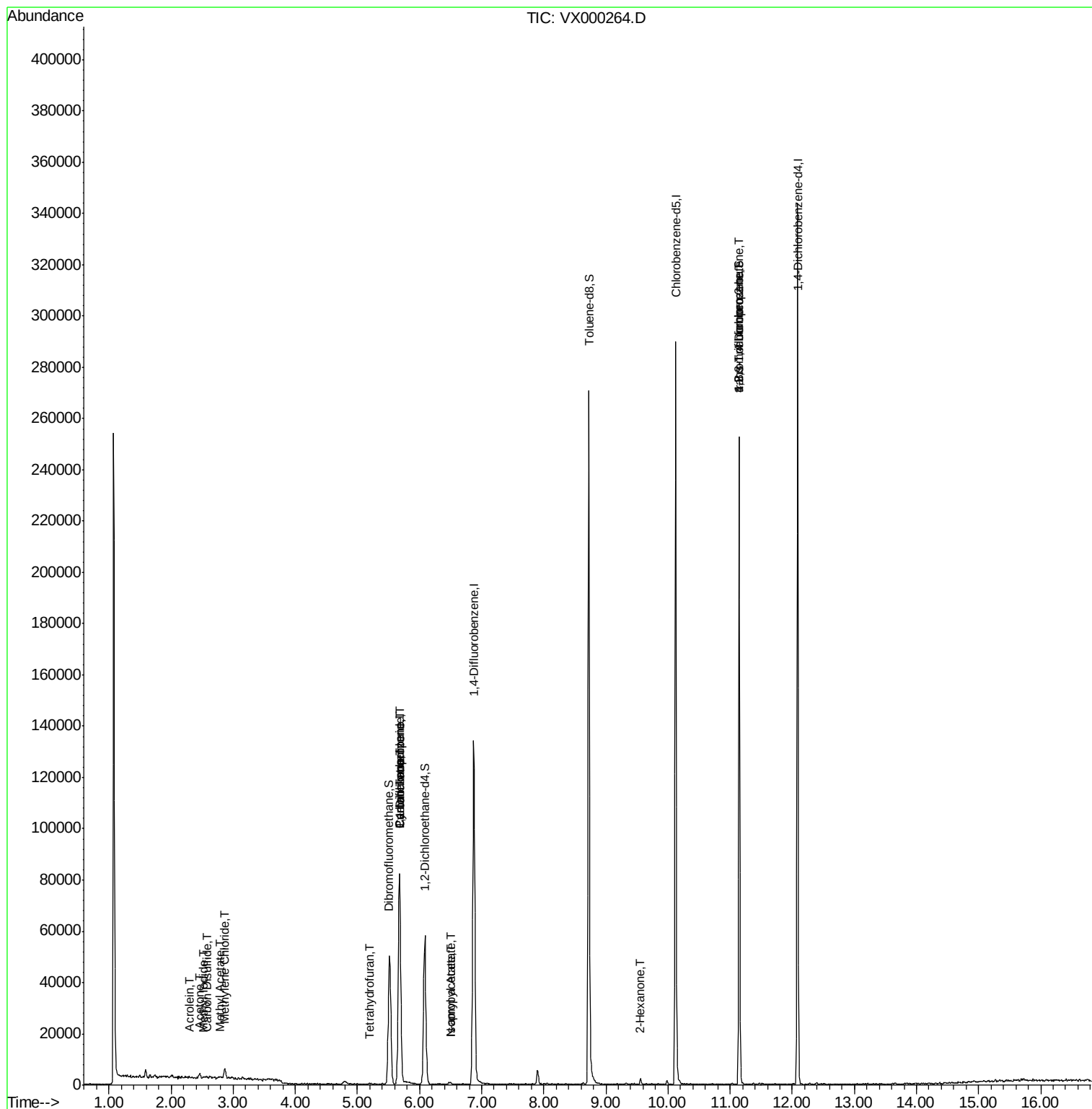
Quant Time: Mar 09 23:32:23 2018

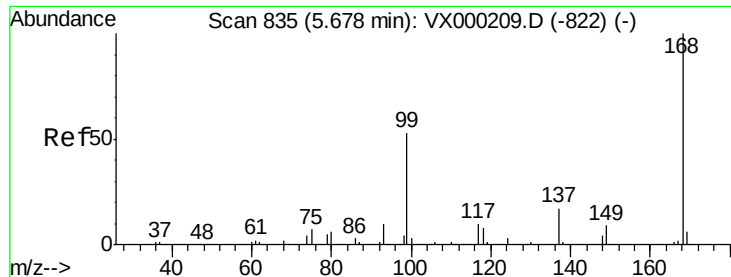
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M

Quant Title : SW846 8260

QLast Update : Thu Mar 08 02:15:47 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

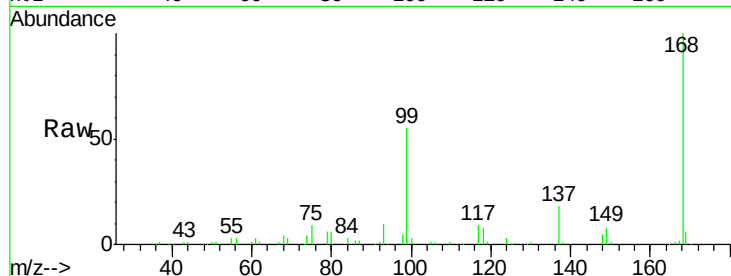
PB10718TB 5X

Tgt Ion:168 Resp: 79086

Ion Ratio Lower Upper

168 100

99 54.7 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

30000

25000

20000

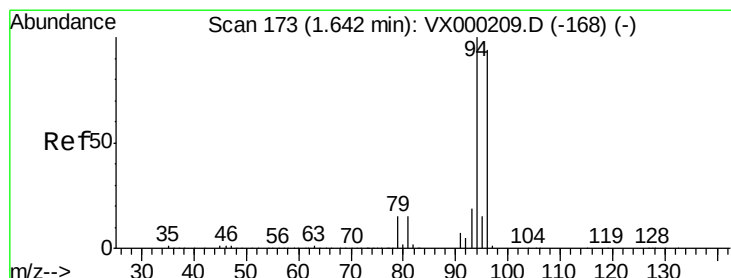
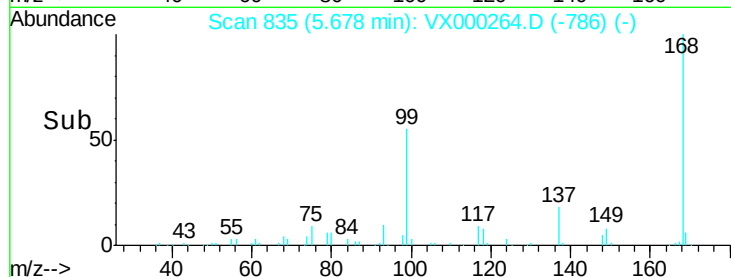
15000

10000

5000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000264.D

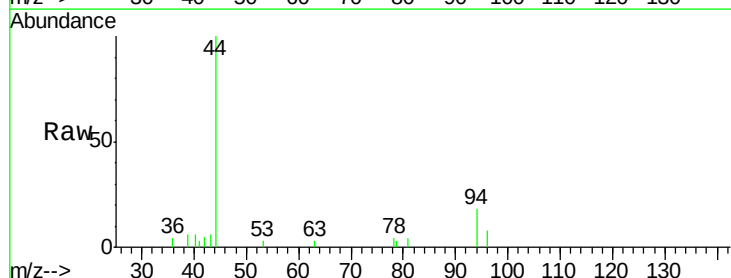
Acq: 09 Mar 2018 18:58

Tgt Ion: 94 Resp: 496

Ion Ratio Lower Upper

94 100

96 47.5 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

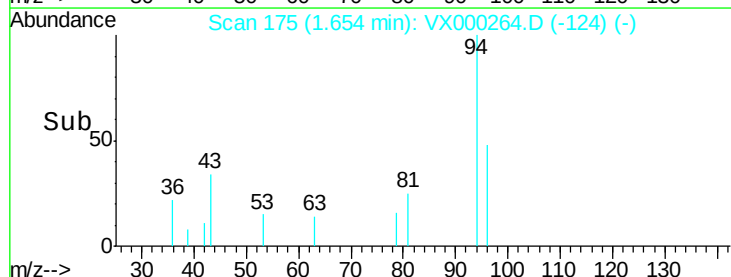
300

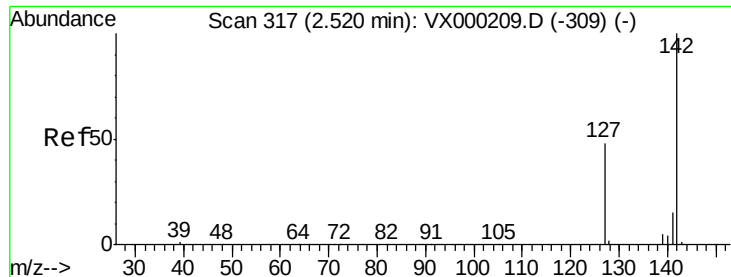
200

100

0

Time-->

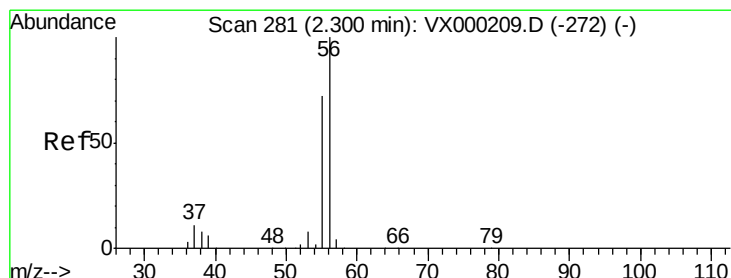
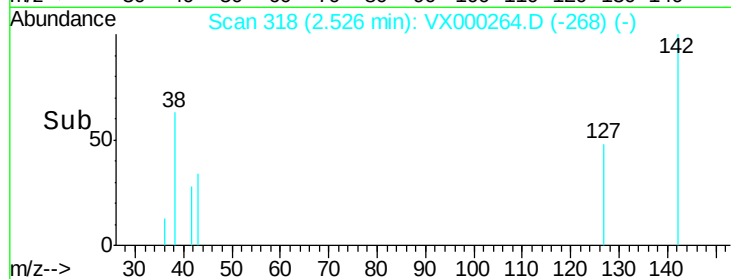
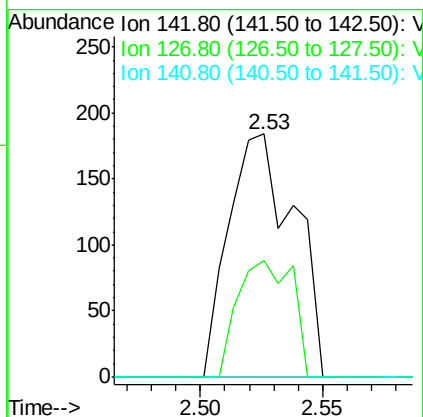
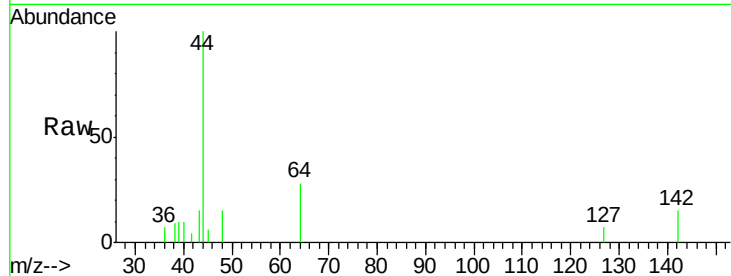




#10
Methyl Iodide
Concen: 3.48 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000264.D
Acq: 09 Mar 2018 18:58

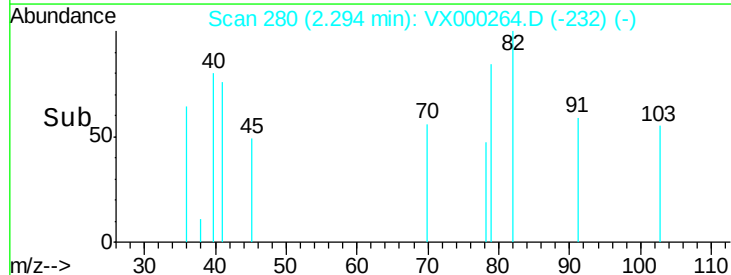
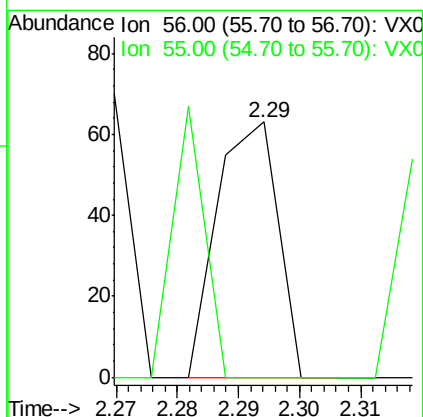
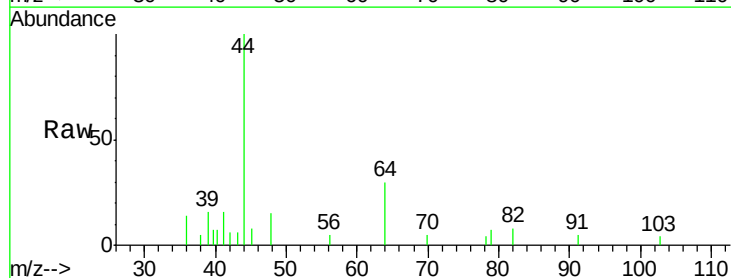
Instrument :
MSVOA_X
ClientSampleId :
PB10718TB 5X

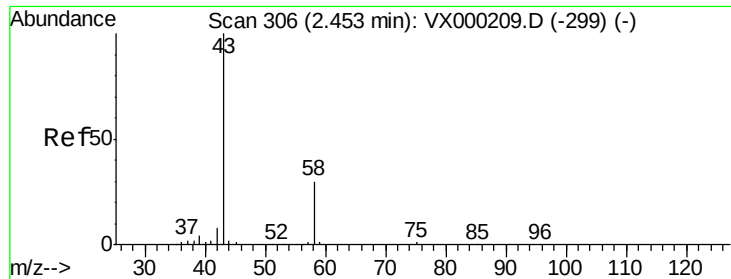
Tgt Ion: 142 Resp: 343
Ion Ratio Lower Upper
142 100
127 39.9 39.0 58.6
141 0.0 11.6 17.4#



#13
Acrolein
Concen: 0.20 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX000264.D
Acq: 09 Mar 2018 18:58

Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 58.1 59.2 88.8#





#16

Acetone

Concen: 3.34 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

Instrument :

MSVOA_X

ClientSampled :

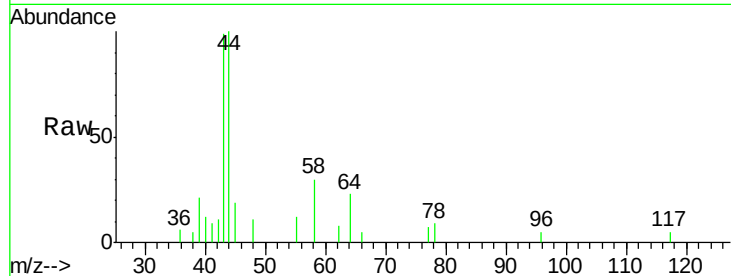
PB10718TB 5X

Tgt Ion: 43 Resp: 2627

Ion Ratio Lower Upper

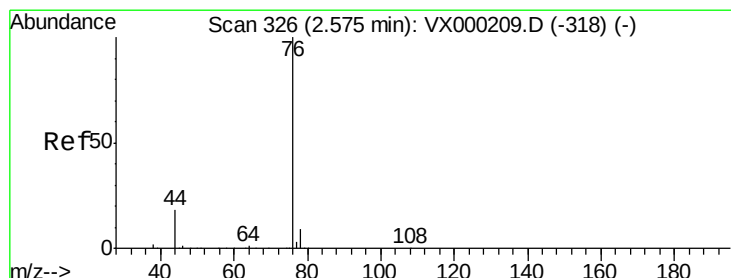
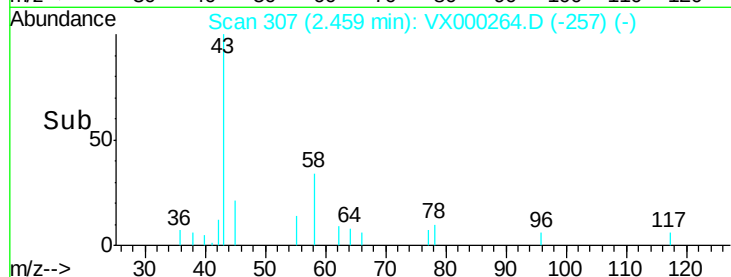
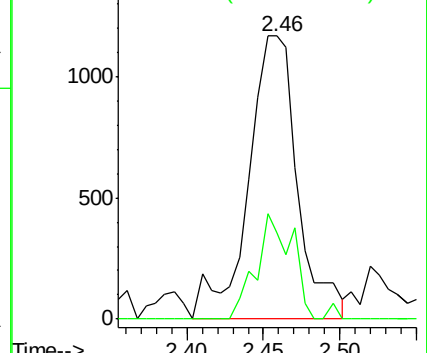
43 100

58 30.7 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000264.D

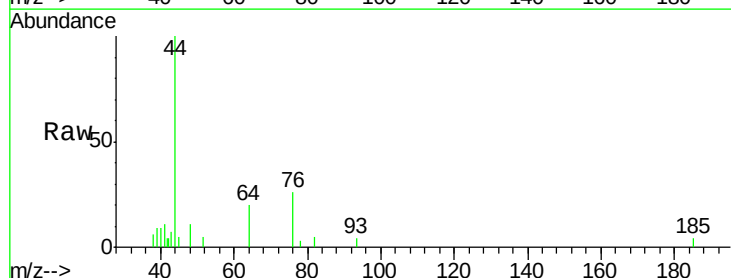
Acq: 09 Mar 2018 18:58

Tgt Ion: 76 Resp: 497

Ion Ratio Lower Upper

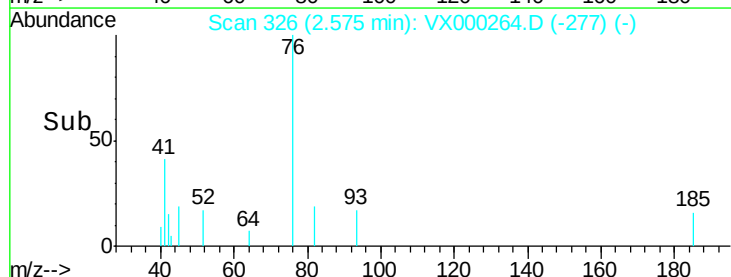
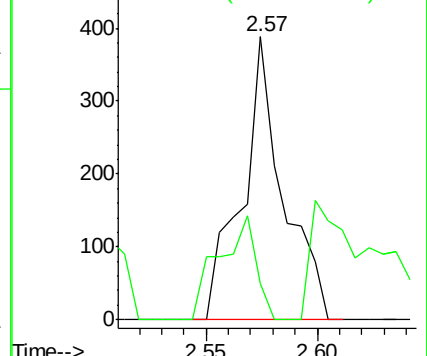
76 100

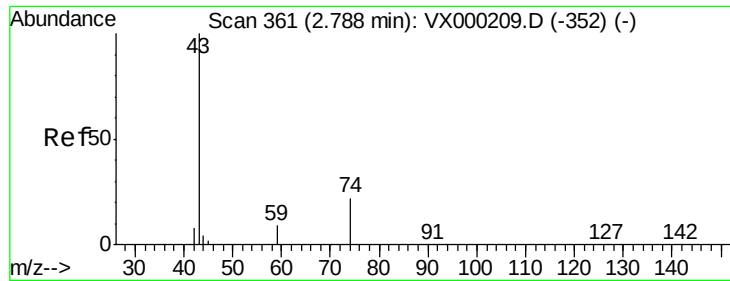
78 12.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

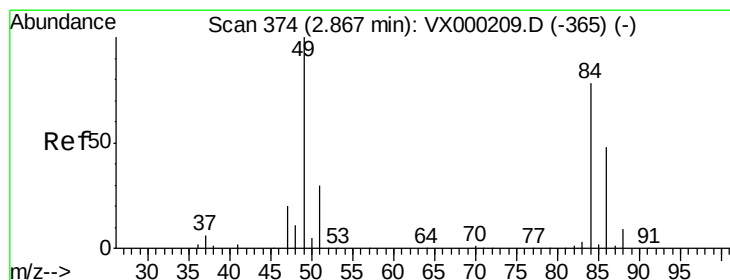
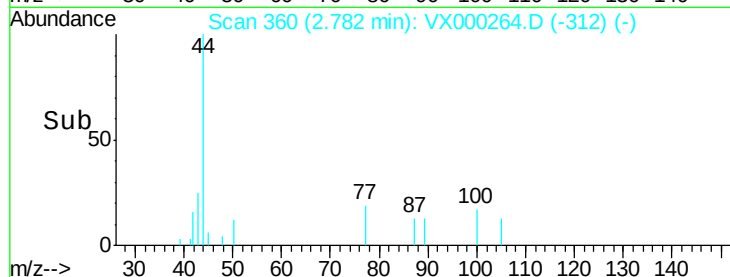
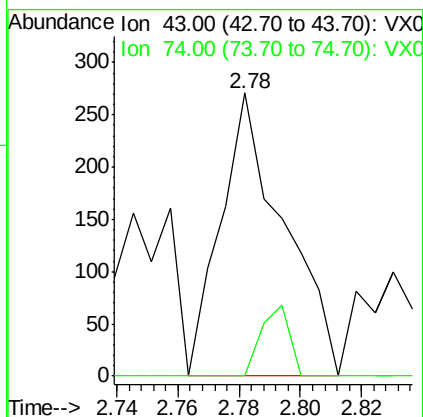
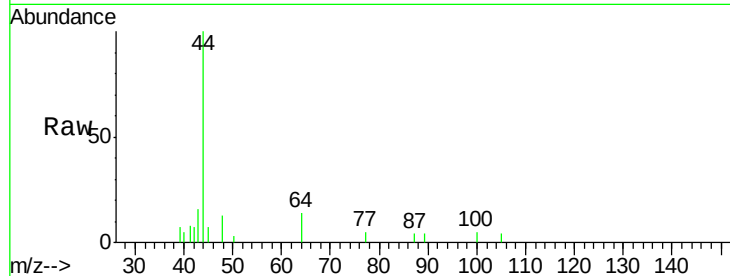




#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000264.D
Acq: 09 Mar 2018 18:58

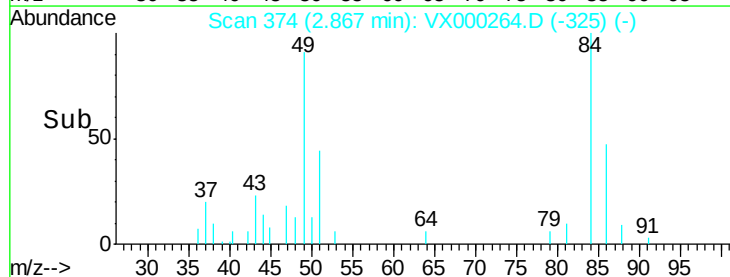
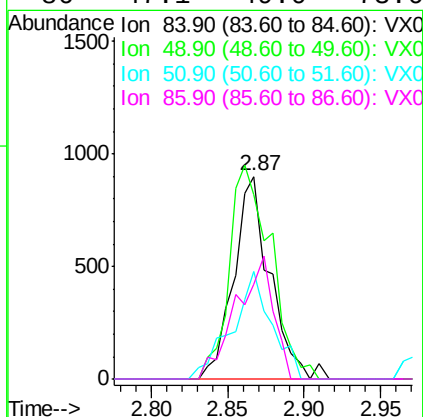
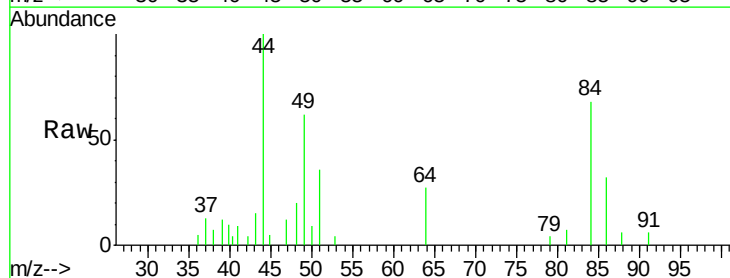
Instrument :
MSVOA_X
ClientSampled :
PB10718TB 5X

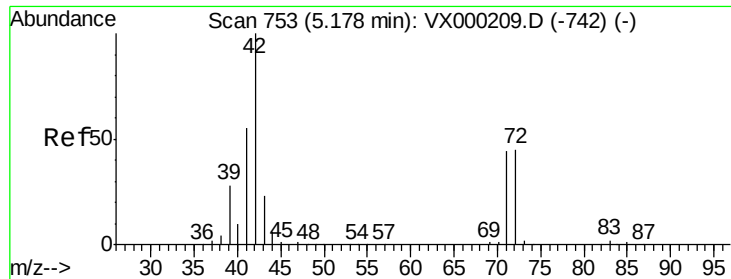
Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
74 11.4 18.9 28.3#



#20
Methylene Chloride
Concen: 1.59 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000264.D
Acq: 09 Mar 2018 18:58

Tgt Ion: 84 Resp: 1489
Ion Ratio Lower Upper
84 100
49 90.8 102.1 153.1#
51 53.3 30.6 45.8#
86 47.1 49.0 73.6#





#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

PB10718TB 5X

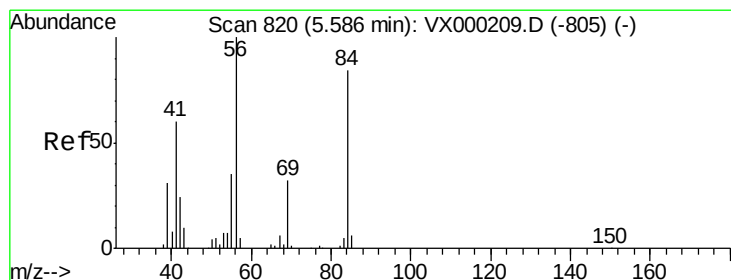
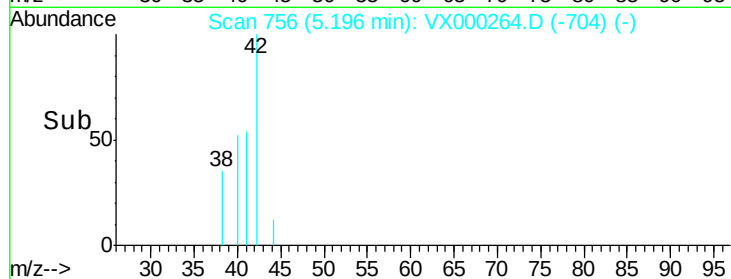
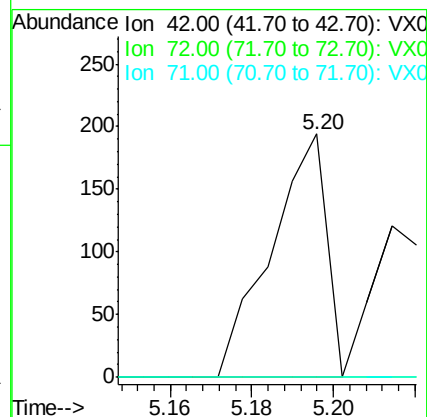
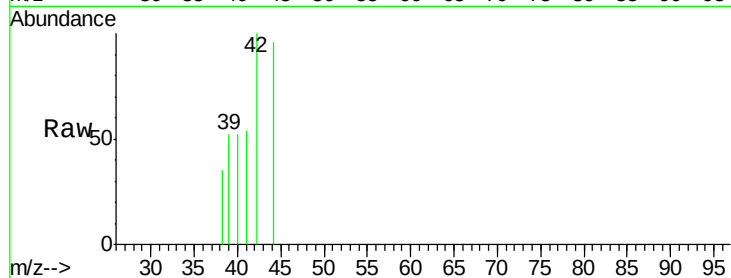
Tgt Ion: 42 Resp: 183

Ion Ratio Lower Upper

42 100

72 0.0 37.3 55.9#

71 0.0 35.0 52.4#



#31

Cyclohexane

Concen: 1.75 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

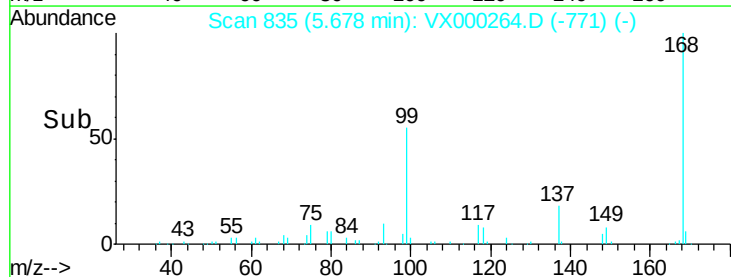
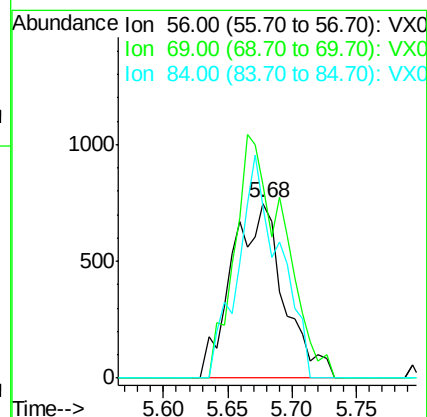
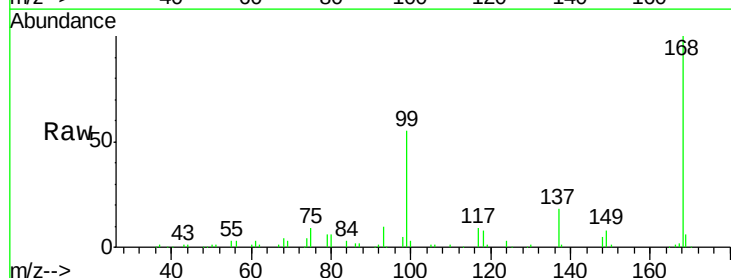
Tgt Ion: 56 Resp: 2103

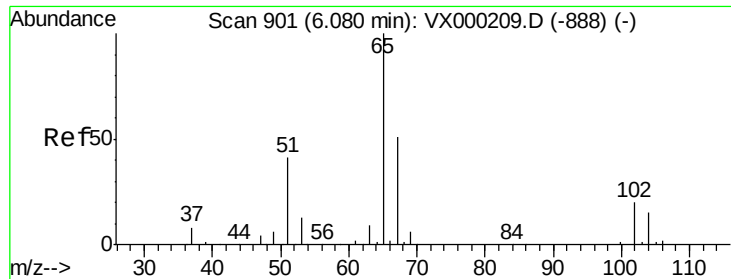
Ion Ratio Lower Upper

56 100

69 111.0 25.3 37.9#

84 98.4 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 48.08 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

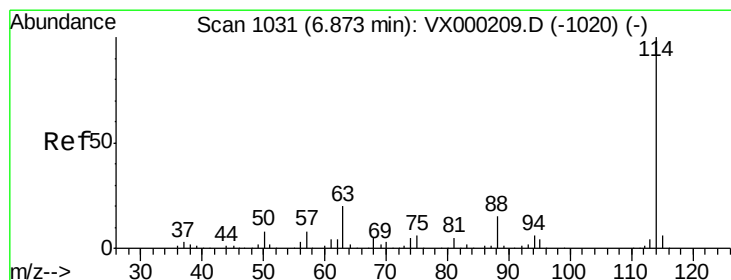
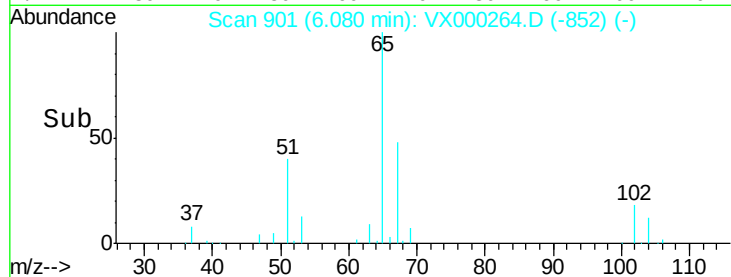
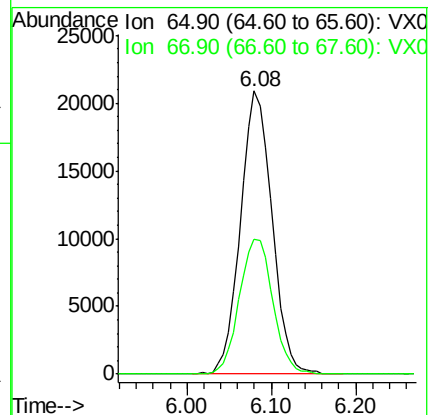
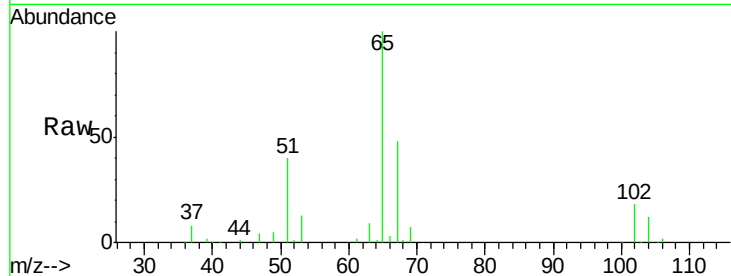
PB10718TB 5X

Tgt Ion: 65 Resp: 52712

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

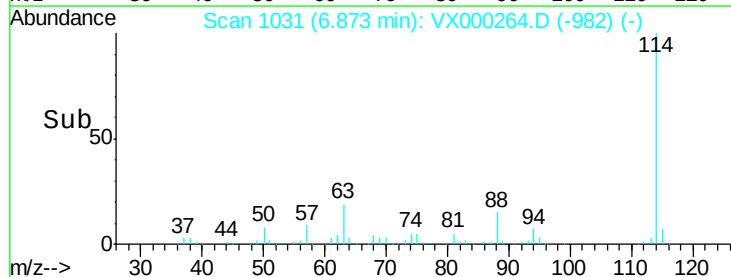
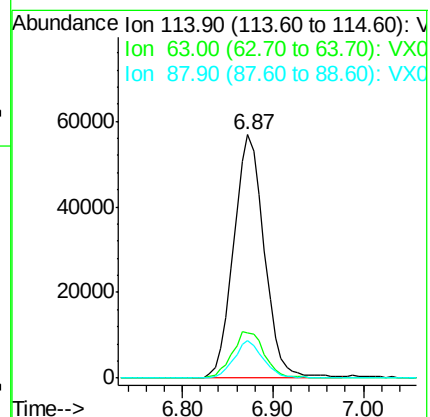
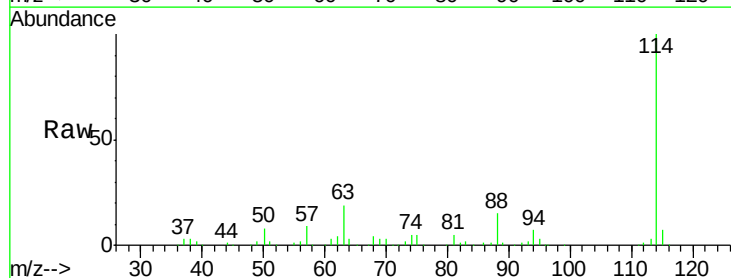
Tgt Ion: 114 Resp: 133939

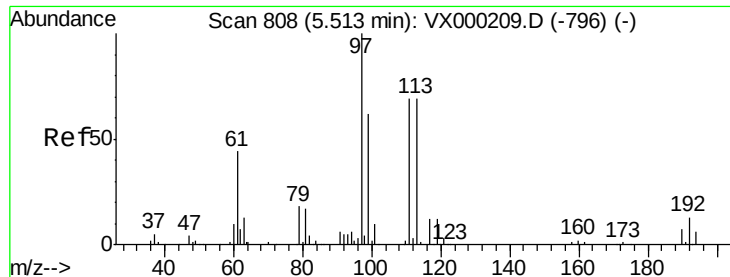
Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.2

88 15.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.71 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

PB10718TB 5X

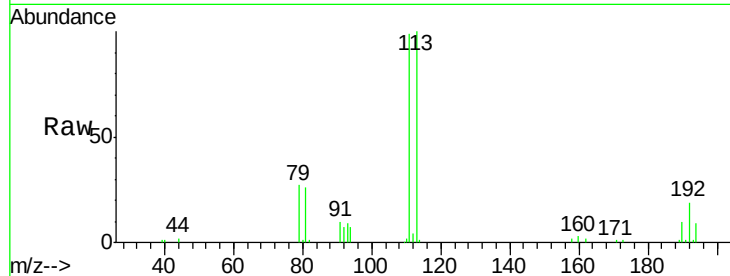
Tgt Ion:113 Resp: 40981

Ion Ratio Lower Upper

113 100

111 100.5 83.0 124.6

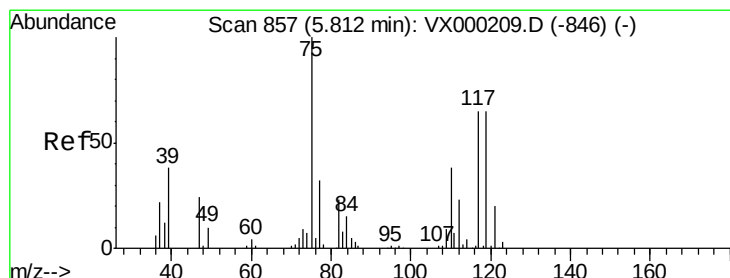
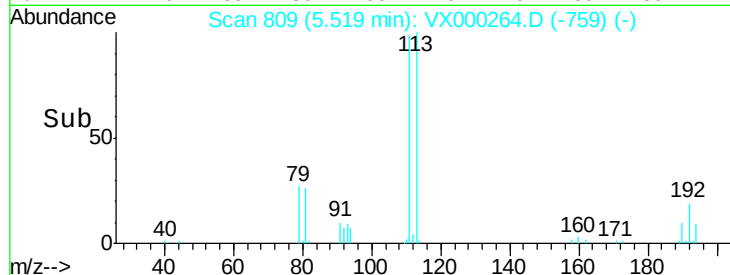
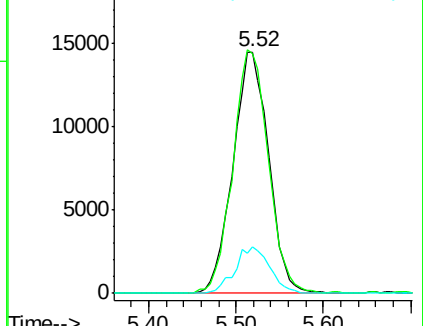
192 18.8 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.29 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

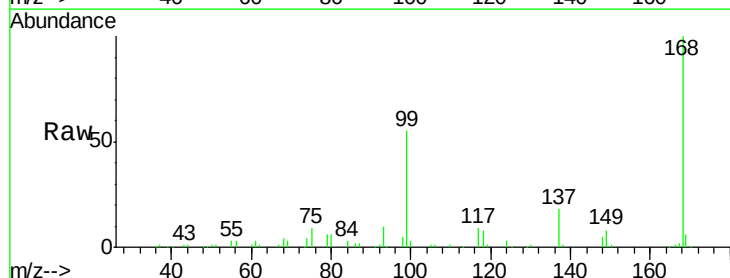
Tgt Ion: 75 Resp: 6307

Ion Ratio Lower Upper

75 100

110 12.1 17.8 53.5#

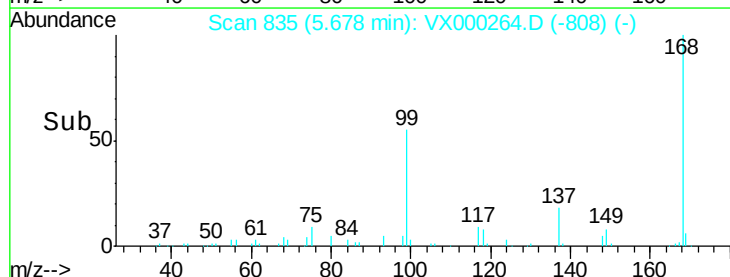
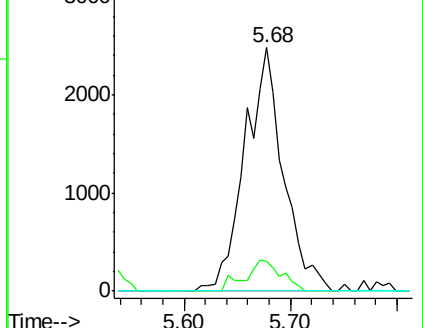
77 0.0 24.9 37.3#

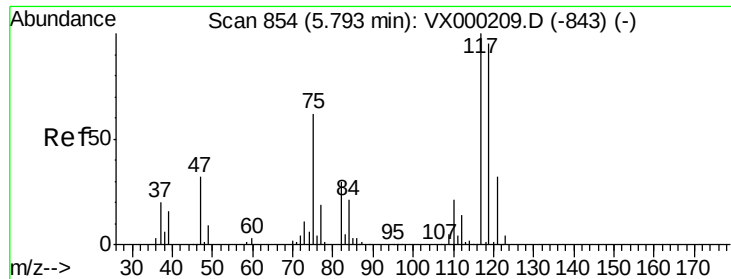


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.54 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

Instrument :

MSVOA_X

ClientSampled :

PB10718TB 5X

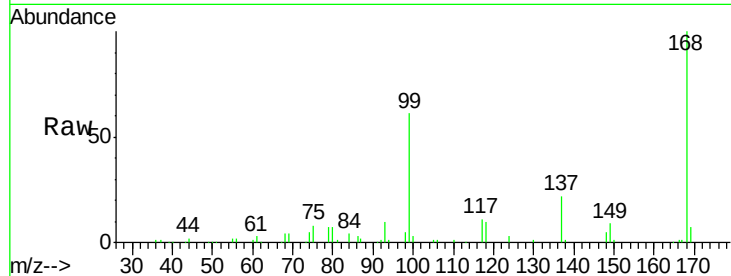
Tgt Ion:117 Resp: 7891

Ion Ratio Lower Upper

117 100

119 0.0 75.9 113.9#

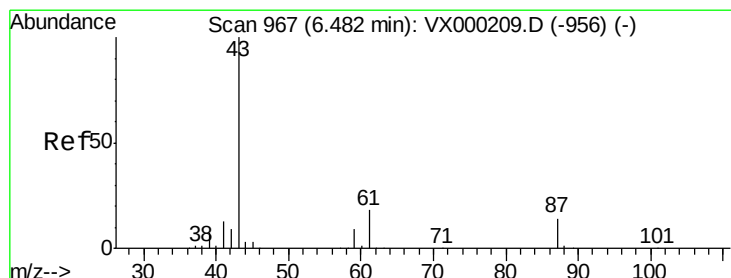
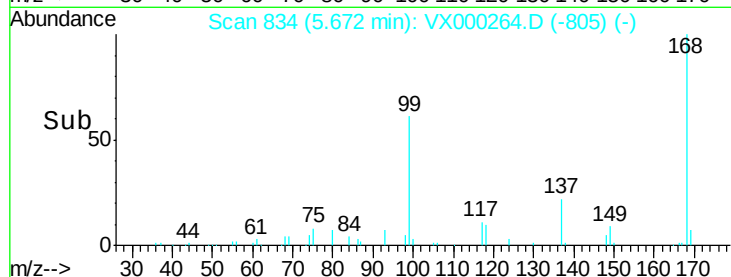
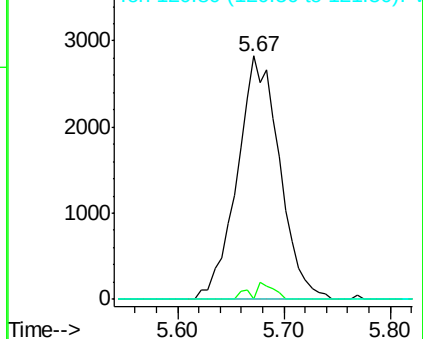
121 0.0 25.8 38.6#



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: 0.45 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

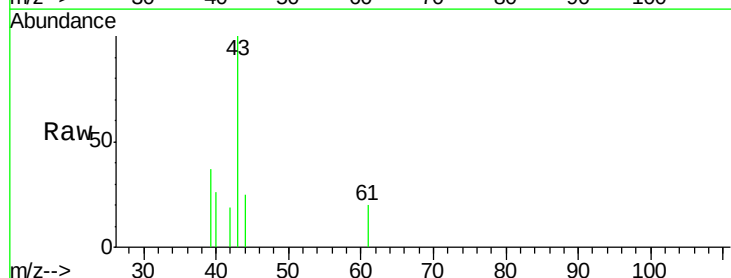
Tgt Ion: 43 Resp: 1121

Ion Ratio Lower Upper

43 100

61 14.1 14.8 22.2#

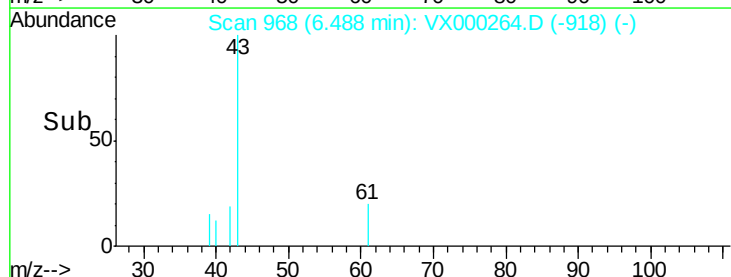
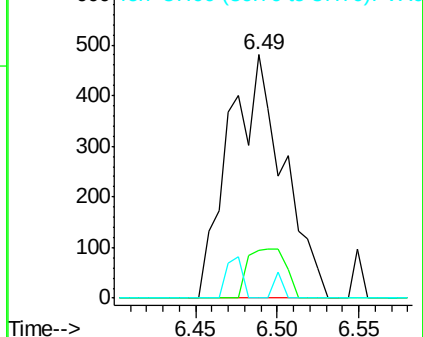
87 1.7 10.6 16.0#

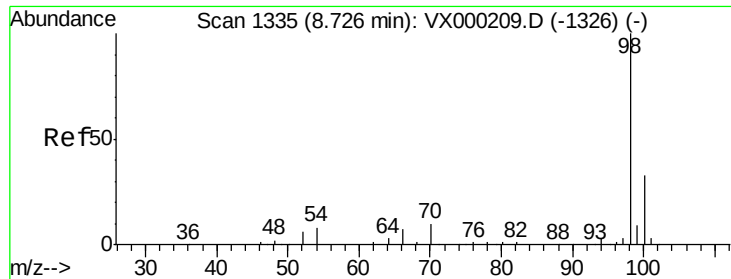


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

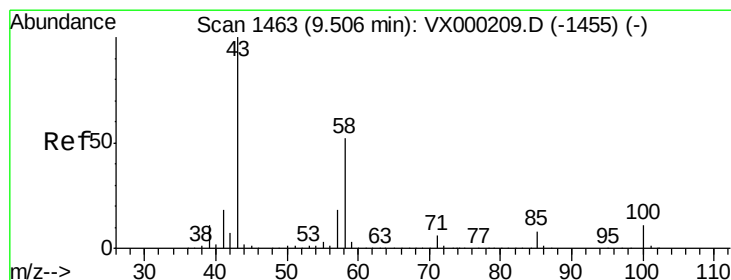
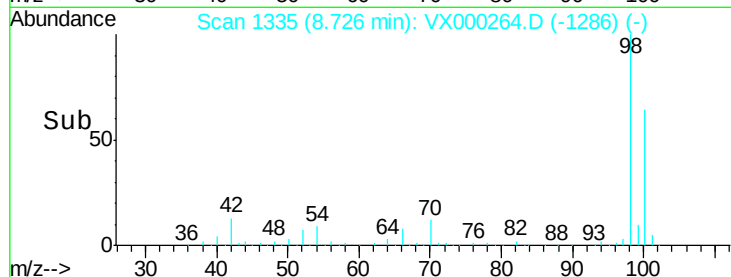
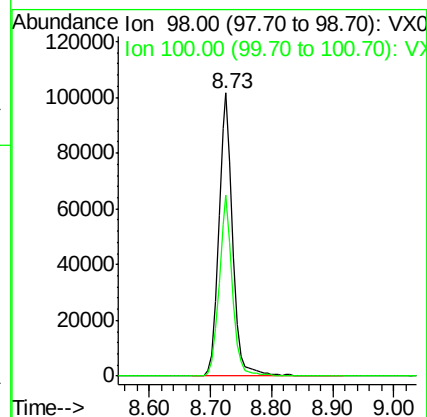
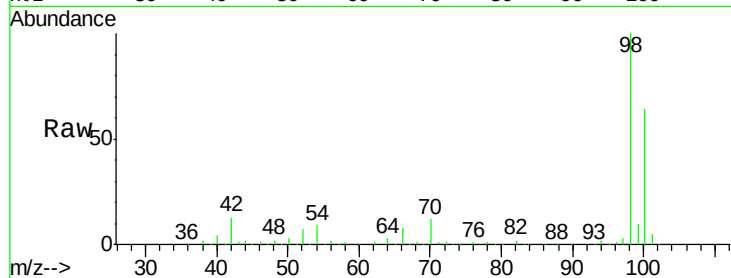




#50
Toluene-d8
Concen: 47.14 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000264.D
Acq: 09 Mar 2018 18:58

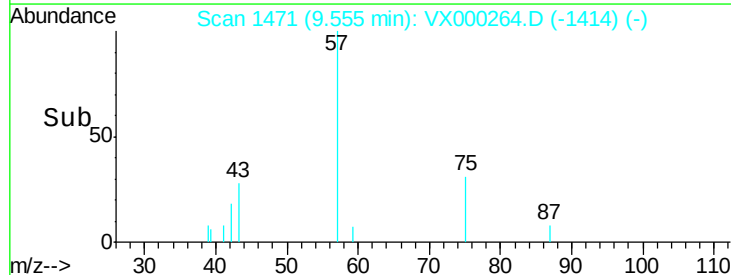
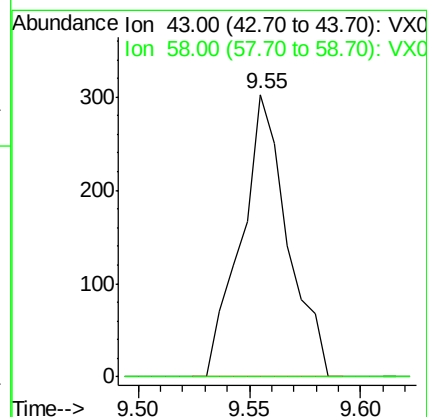
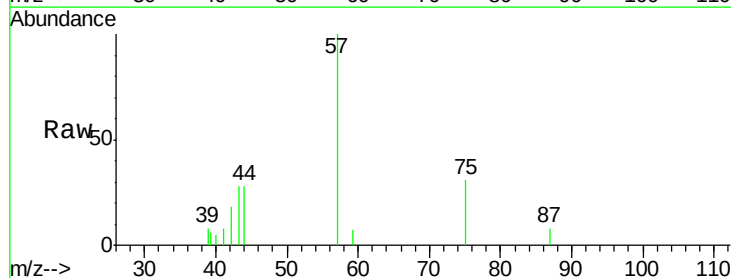
Instrument :
MSVOA_X
ClientSampleId :
PB10718TB 5X

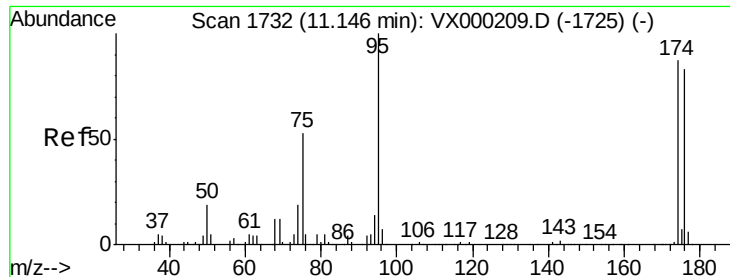
Tgt Ion: 98 Resp: 164275
Ion Ratio Lower Upper
98 100
100 61.7 51.2 76.8



#59
2-Hexanone
Concen: 0.27 ug/l
RT: 9.55 min Scan# 1471
Delta R.T. 0.05 min
Lab File: VX000264.D
Acq: 09 Mar 2018 18:58

Tgt Ion: 43 Resp: 440
Ion Ratio Lower Upper
43 100
58 0.0 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 42.71 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

PB10718TB 5X

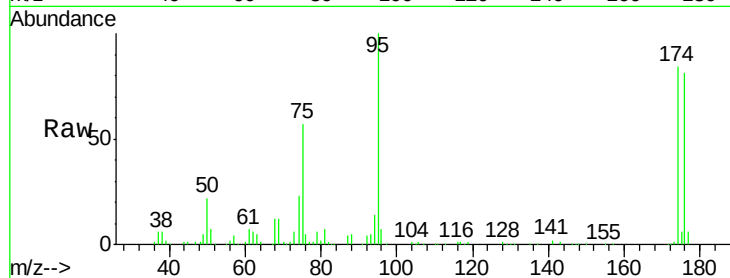
Tgt Ion: 95 Resp: 58089

Ion Ratio Lower Upper

95 100

174 83.9 0.0 175.6

176 81.9 0.0 171.0

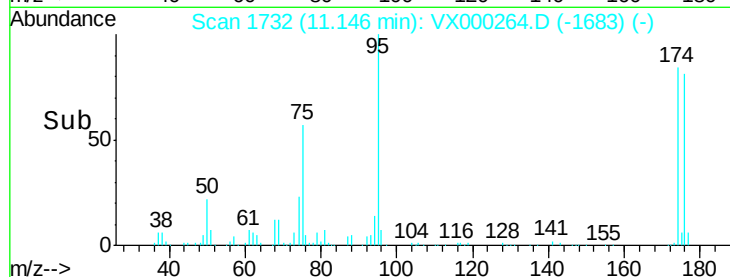


Abundance Ion 94.90 (94.60 to 95.60): VX000209.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000209.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000209.D (-1725) (-)

Time-->



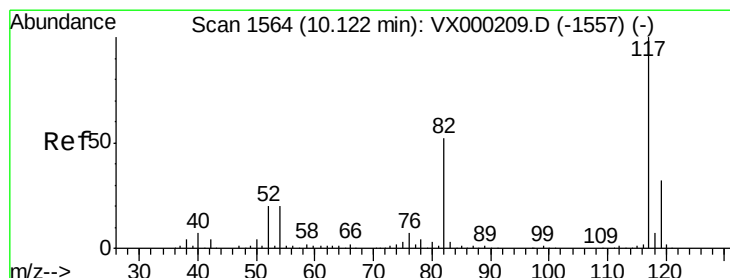
Abundance

Ion 94.90 (94.60 to 95.60): VX000209.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000209.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000209.D (-1725) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

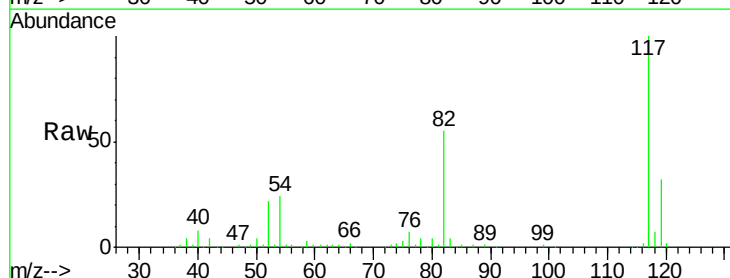
Tgt Ion: 117 Resp: 125524

Ion Ratio Lower Upper

117 100

82 55.0 42.0 63.0

119 32.1 25.3 37.9

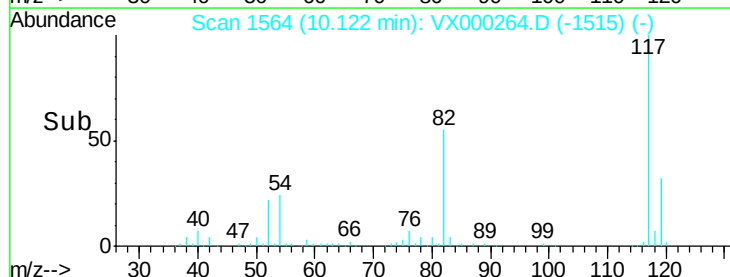


Abundance Ion 116.90 (116.60 to 117.60): VX000209.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000209.D (-1557) (-)

Ion 118.90 (118.60 to 119.60): VX000209.D (-1557) (-)

Time-->



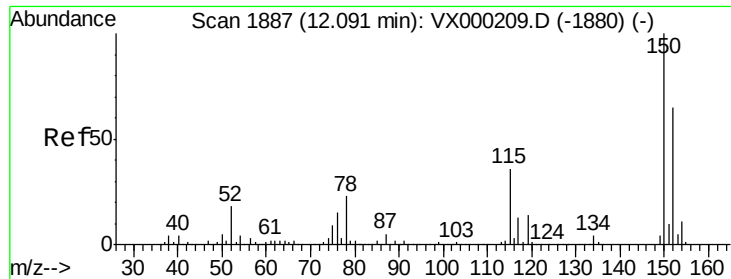
Abundance

Ion 116.90 (116.60 to 117.60): VX000209.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000209.D (-1557) (-)

Ion 118.90 (118.60 to 119.60): VX000209.D (-1557) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

Instrument :

MSVOA_X

ClientSampled :

PB10718TB 5X

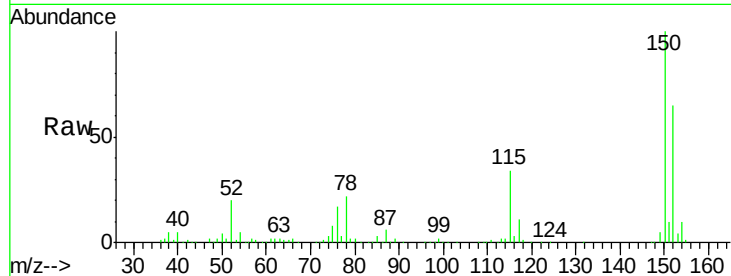
Tgt Ion:152 Resp: 64944

Ion Ratio Lower Upper

152 100

115 58.2 39.8 119.3

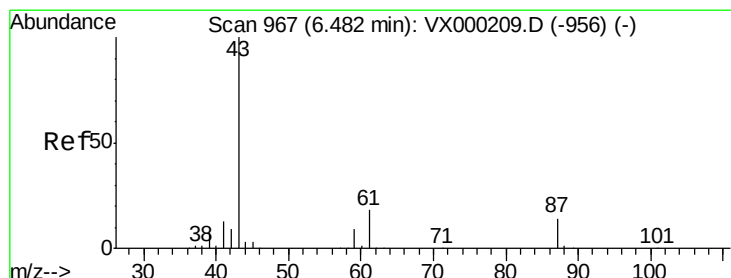
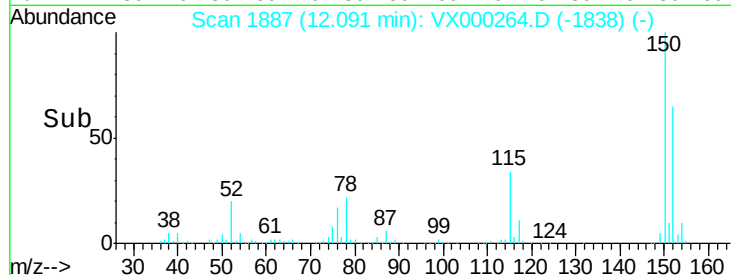
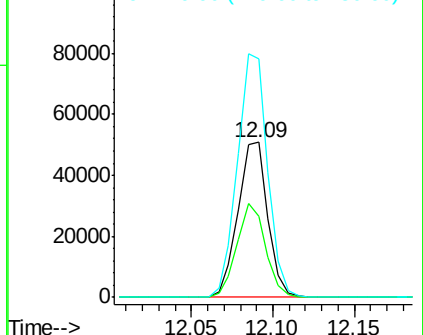
150 158.5 0.0 345.0



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: 0.54 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

Tgt Ion: 43 Resp: 1121

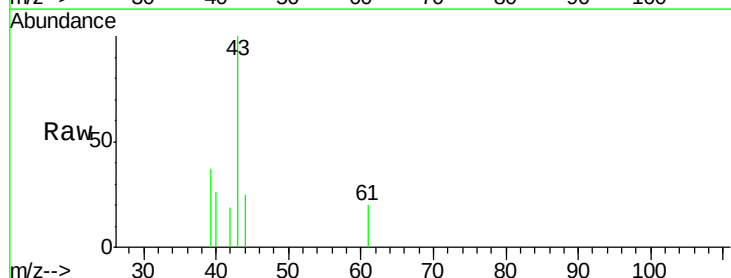
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 14.1 14.8 22.2#

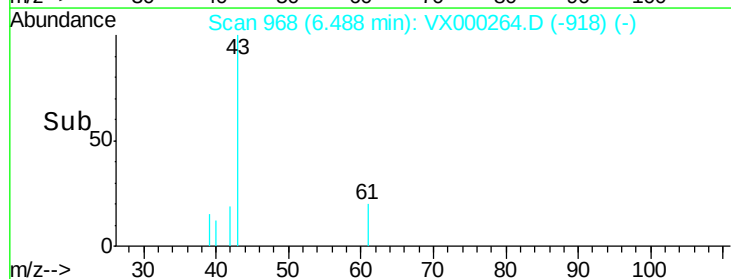
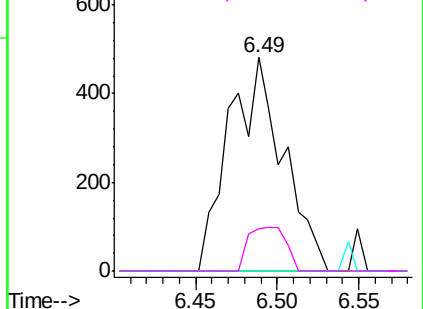


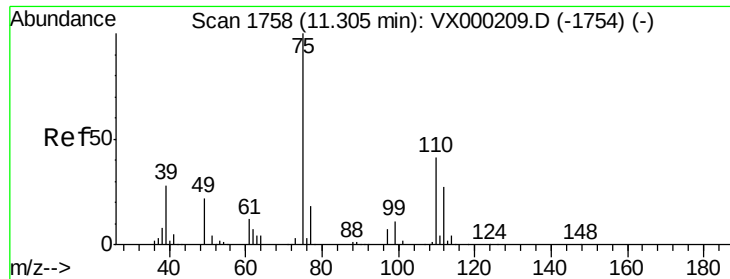
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.92 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

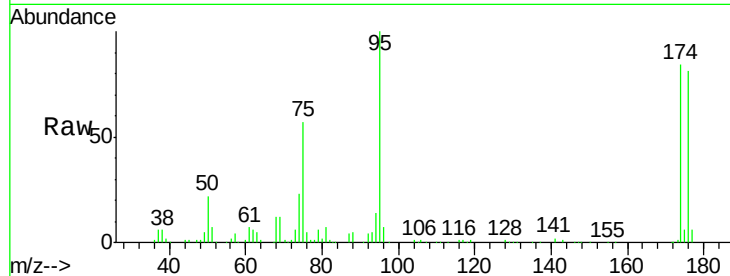
PB10718TB 5X

Tgt Ion: 75 Resp: 32444

Ion Ratio Lower Upper

75 100

77 1.2 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.15

25000

20000

15000

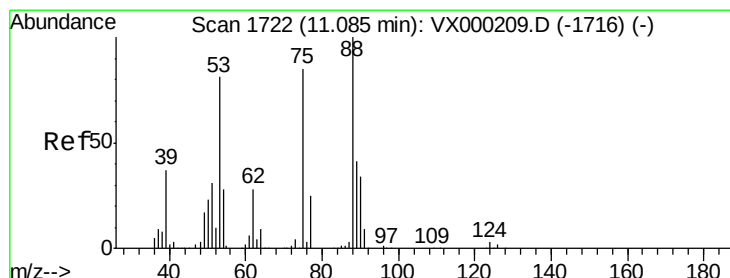
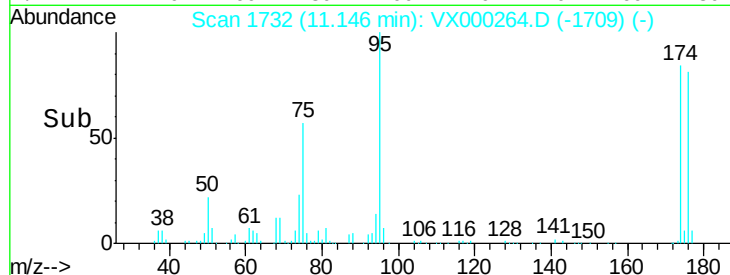
10000

5000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 76.31 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000264.D

Acq: 09 Mar 2018 18:58

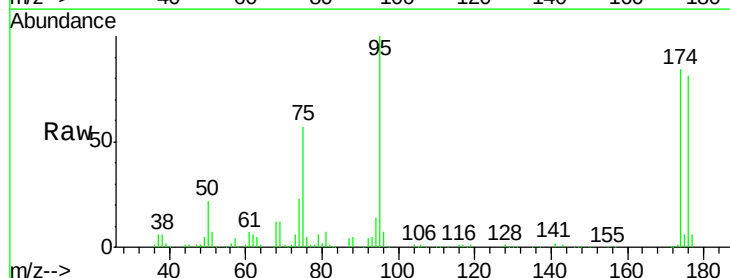
Tgt Ion: 75 Resp: 32444

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.0 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.15

30000

20000

10000

0

Time-->

11.10 11.15 11.20

