

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020119\
 Data File : VX007337.D
 Acq On : 01 Feb 2019 15:33
 Operator : JC/SP
 Sample : K1299-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 0034-FIELD-BLANK

Quant Time: Feb 02 03:17:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	527317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	810756	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	768935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	388597	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	277611	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	5.51	113	252542	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	8.71	98	976928	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	11.13	95	356341	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	

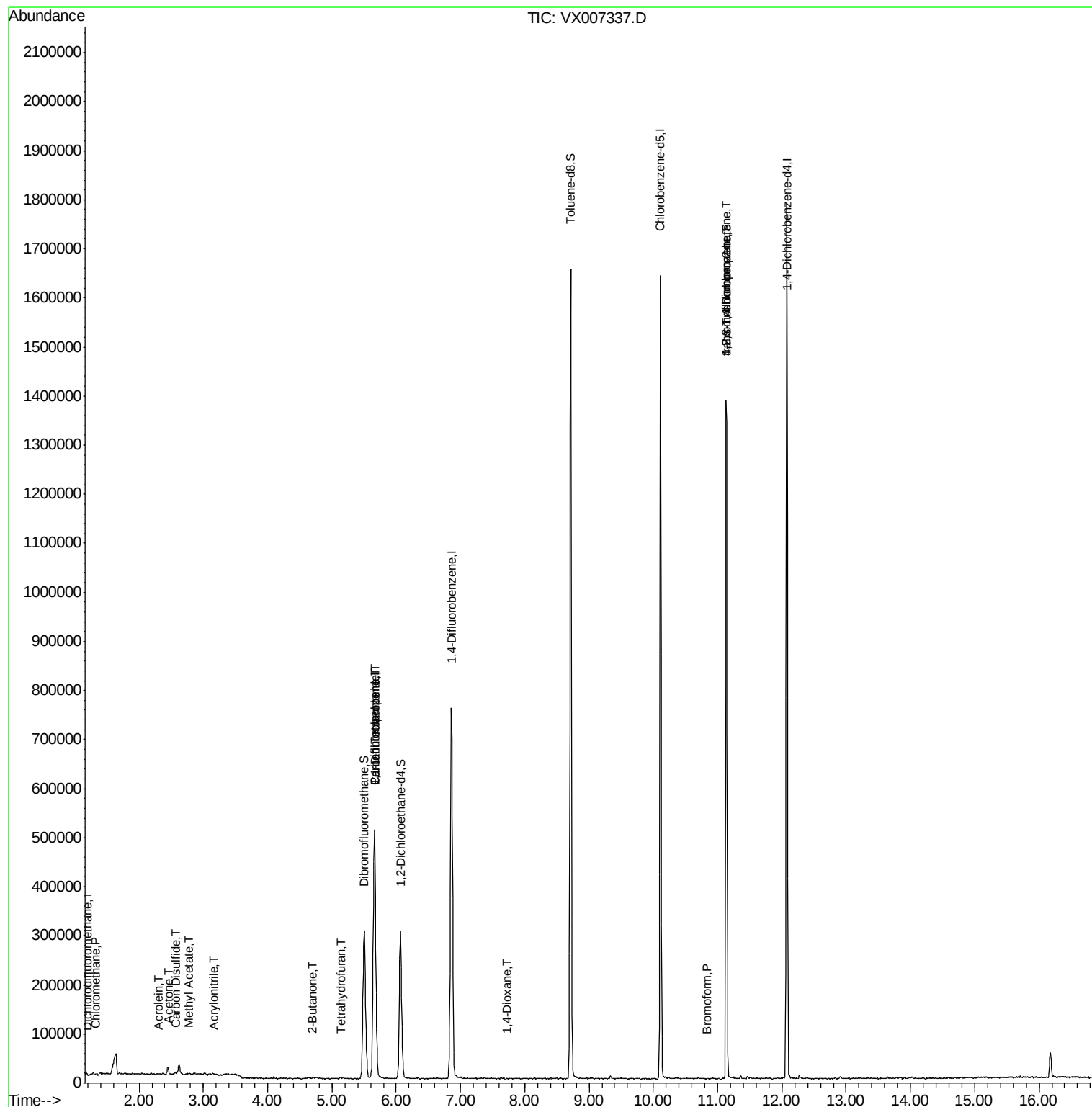
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	379	0.236	ug/l	95
3) Chloromethane	1.33	50	1551	0.261	ug/l #	77
5) Bromomethane	1.64	94	2331	Below Cal		98
13) Acrolein	2.29	56	474	0.873	ug/l #	14
15) Acrylonitrile	3.17	53	618	0.216	ug/l #	22
16) Acetone	2.45	43	16151	6.299	ug/l	99
17) Carbon Disulfide	2.57	76	5061	2.489	ug/l #	83
18) Methyl Acetate	2.78	43	2298	0.933	ug/l #	80
20) Methylene Chloride	2.87	84	1486	Below Cal	#	79
25) 2-Butanone	4.69	43	1169	0.320	ug/l	93
29) Tetrahydrofuran	5.15	42	2491	1.086	ug/l	95
36) 1,1-Dichloropropene	5.66	75	34121	4.691	ug/l #	49
38) Carbon Tetrachloride	5.67	117	47869	6.783	ug/l #	16
49) 1,4-Dioxane	7.73	88	80	7.494	ug/l #	1
71) Bromoform	10.83	173	142	4.056	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	169464	22.420	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	169464	67.665	ug/l #	9

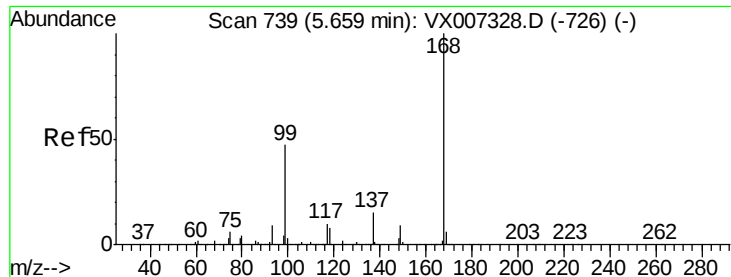
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020119\
Data File : VX007337.D
Acq On : 01 Feb 2019 15:33
Operator : JC/SP
Sample : K1299-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
0034-FIELD-BLANK

Quant Time: Feb 02 03:17:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007337.D

Acq: 01 Feb 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

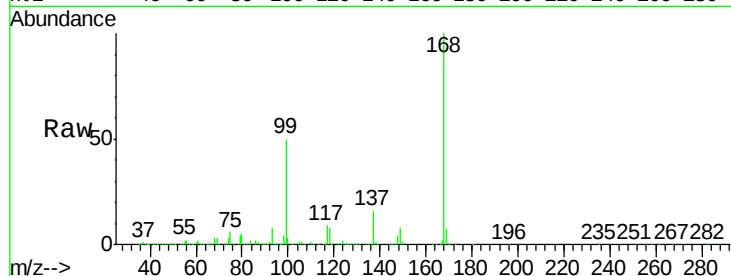
0034-FIELD-BLANK

Tot Ion:168 Resp: 527317

Ion Ratio Lower Upper

168 100

99 49.6 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

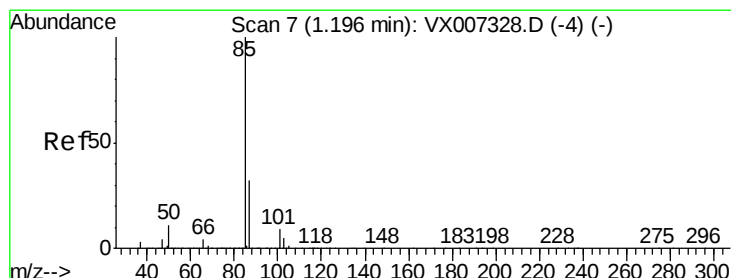
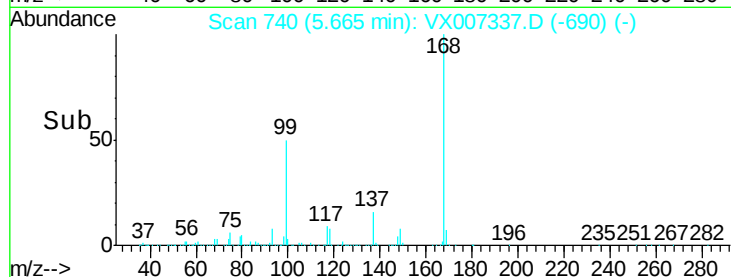
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.236 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007337.D

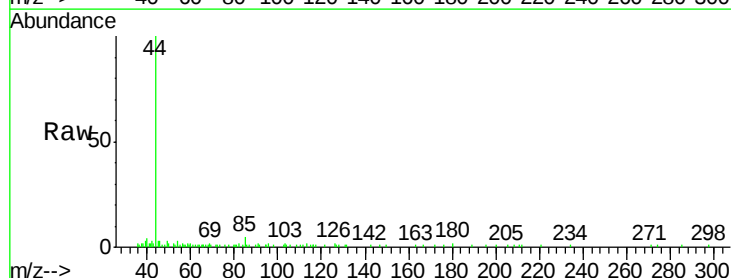
Acq: 01 Feb 2019 15:33

Tgt Ion: 85 Resp: 379

Ion Ratio Lower Upper

85 100

87 29.1 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

400

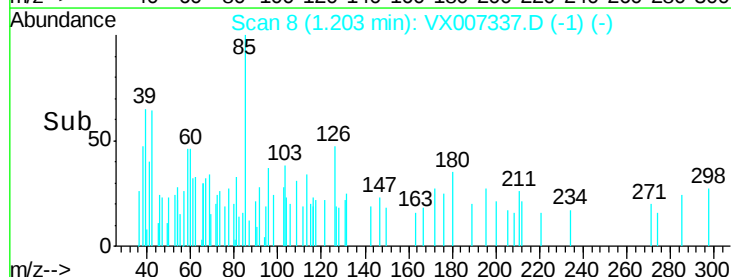
300

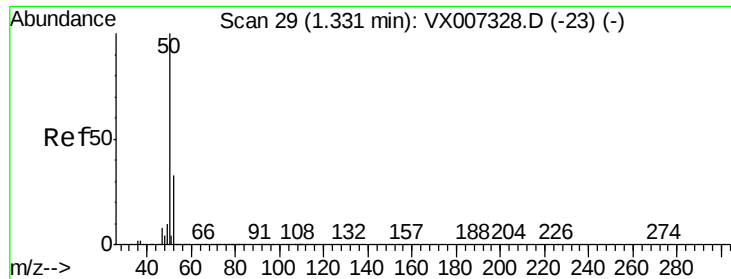
200

100

0

Time-->





#3

Chloromethane

Concen: 0.261 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007337.D

Acq: 01 Feb 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

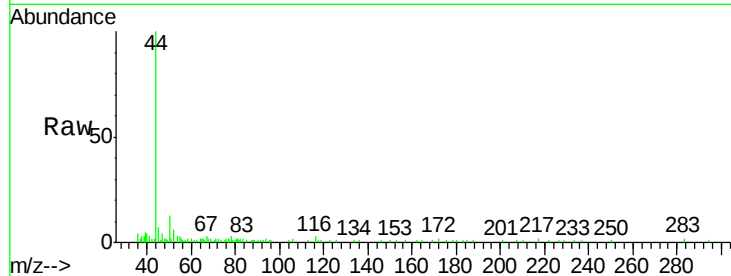
0034-FIELD-BLANK

Tot Ion: 50 Resp: 1551

Ion Ratio Lower Upper

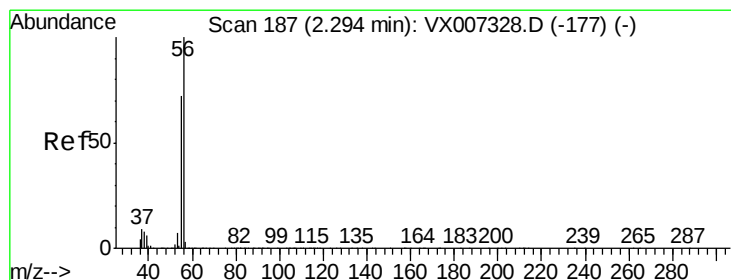
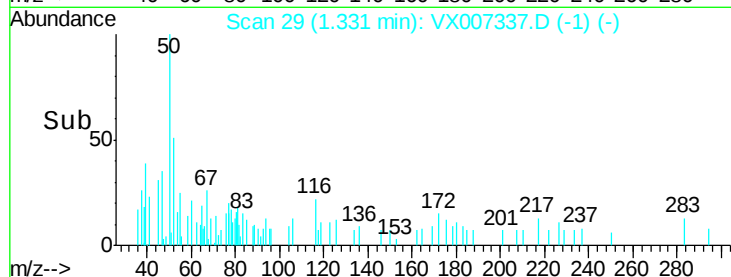
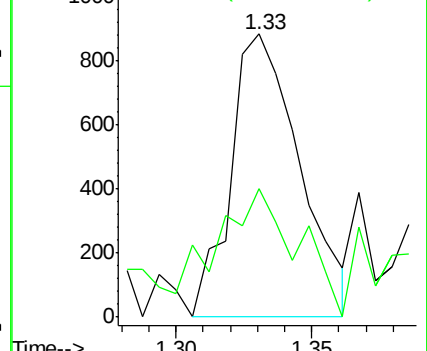
50 100

52 45.6 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#13

Acrolein

Concen: 0.873 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX007337.D

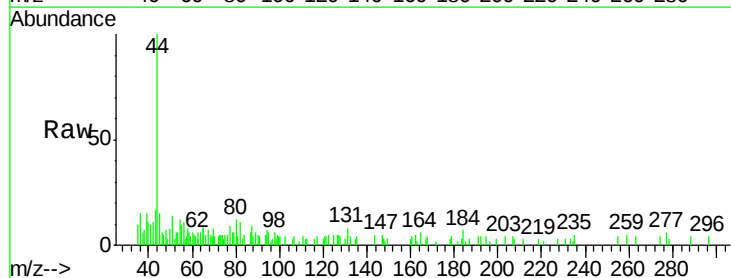
Acq: 01 Feb 2019 15:33

Tgt Ion: 56 Resp: 474

Ion Ratio Lower Upper

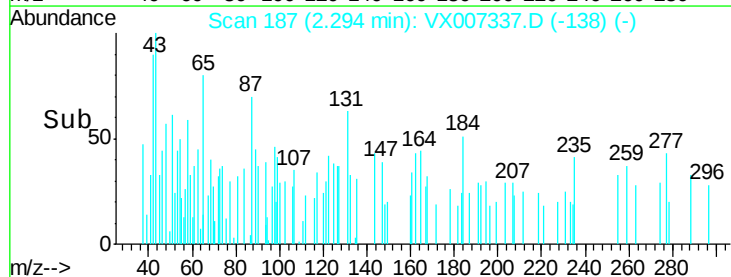
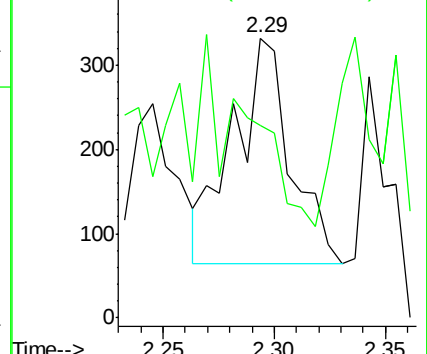
56 100

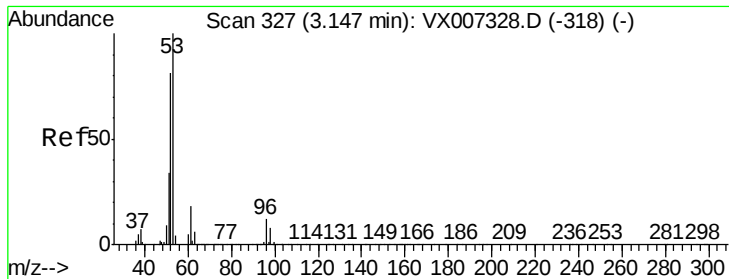
55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.216 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX007337.D

Acq: 01 Feb 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

0034-FIELD-BLANK

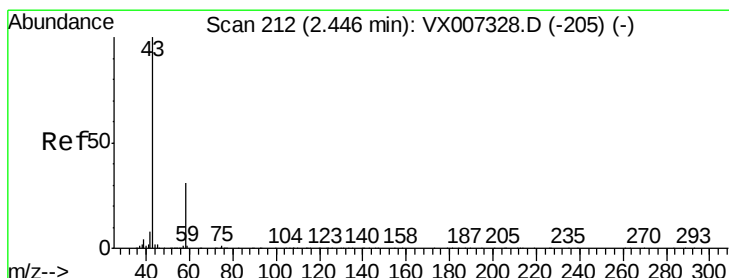
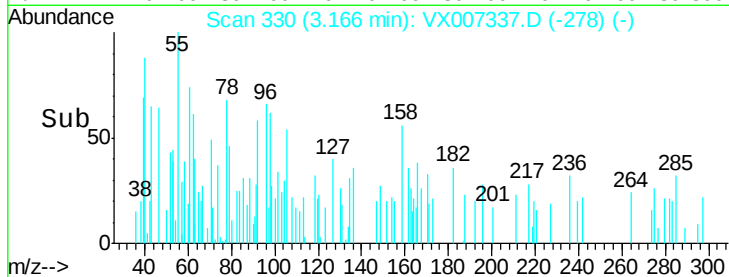
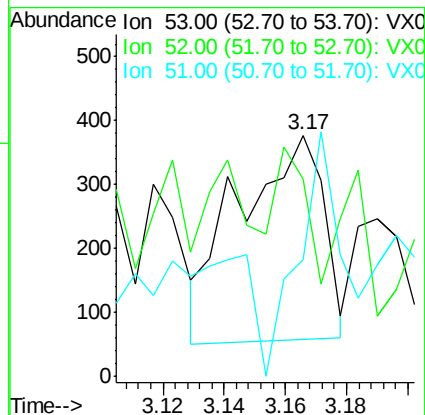
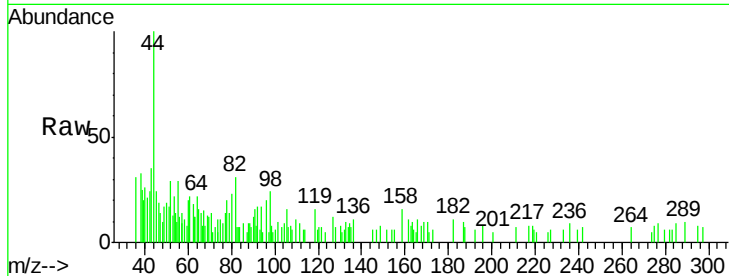
Tot Ion: 53 Resp: 618

Ion Ratio Lower Upper

53 100

52 0.0 66.4 99.6#

51 60.8 28.4 42.6#



#16

Acetone

Concen: 6.299 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007337.D

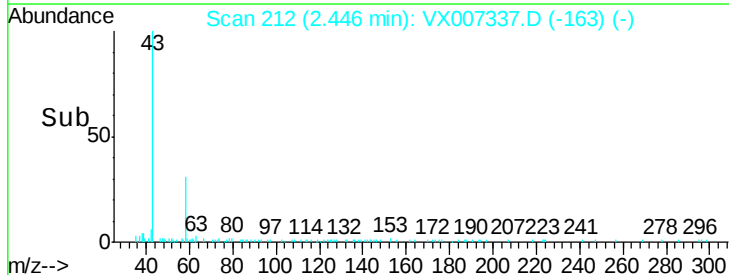
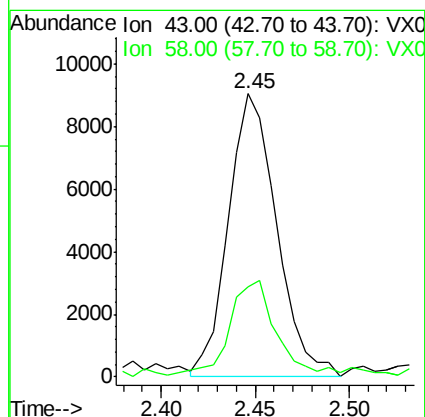
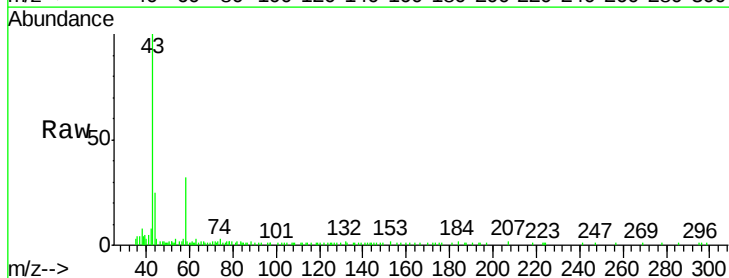
Acq: 01 Feb 2019 15:33

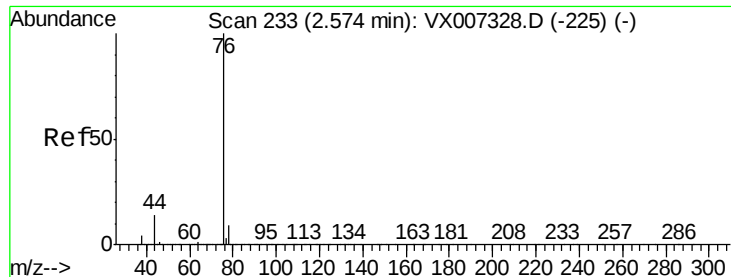
Tgt Ion: 43 Resp: 16151

Ion Ratio Lower Upper

43 100

58 30.4 24.9 37.3





#17

Carbon Disulfide

Concen: 2.489 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007337.D

Acq: 01 Feb 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

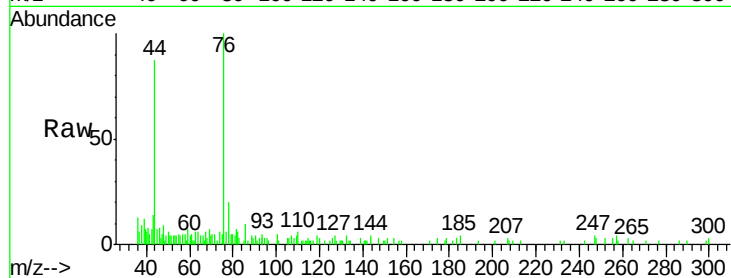
0034-FIELD-BLANK

Tot Ion: 76 Resp: 5061

Ion Ratio Lower Upper

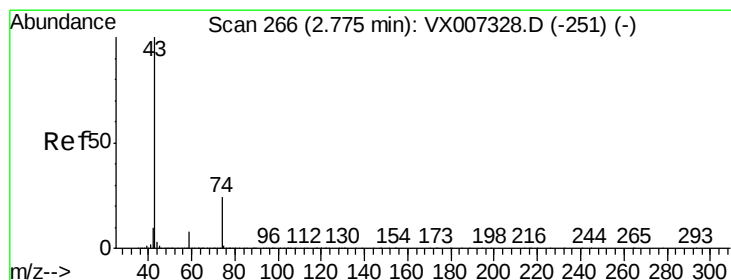
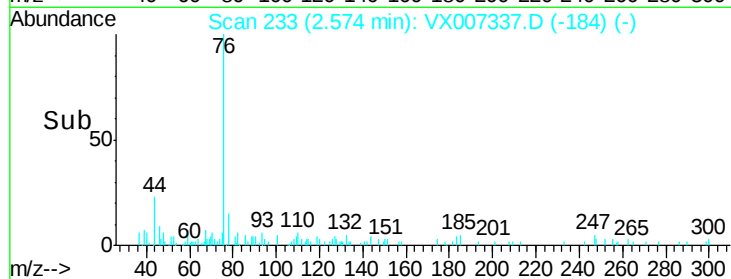
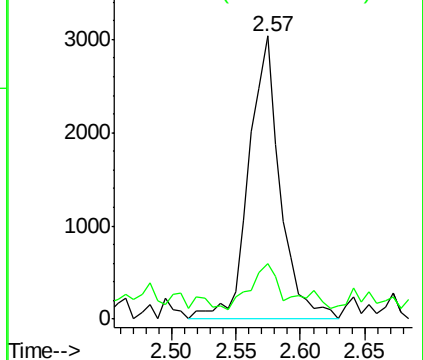
76 100

78 15.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.933 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007337.D

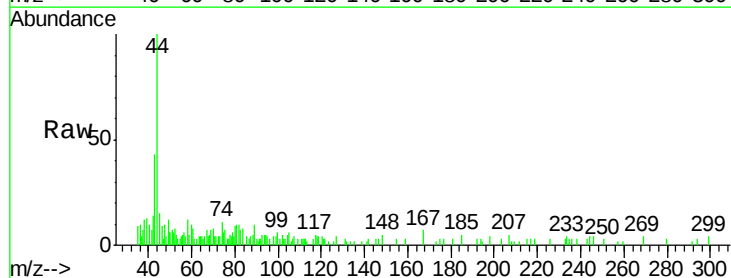
Acq: 01 Feb 2019 15:33

Tgt Ion: 43 Resp: 2298

Ion Ratio Lower Upper

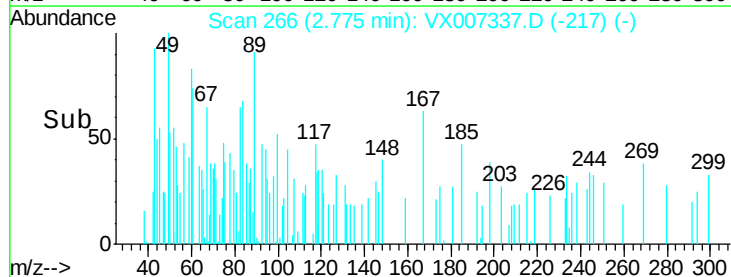
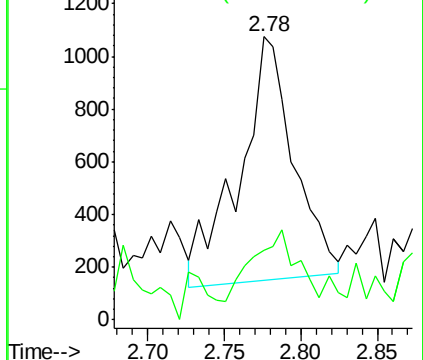
43 100

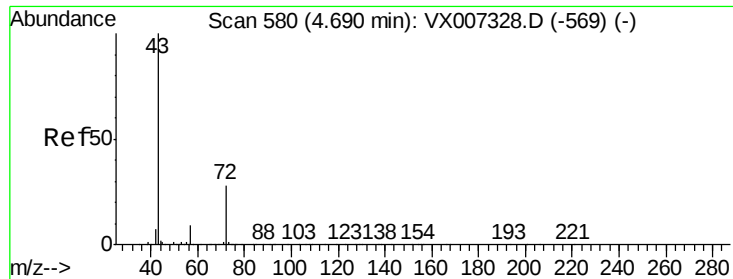
74 34.3 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

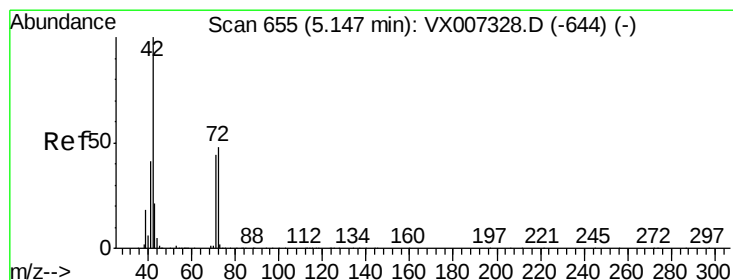
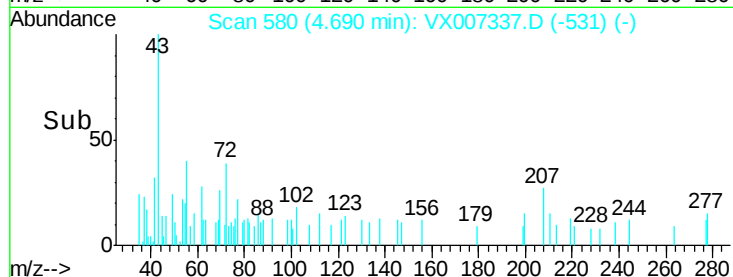
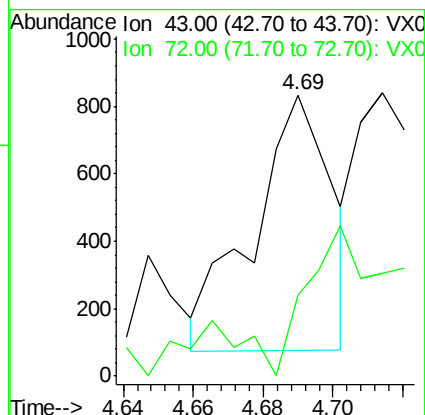
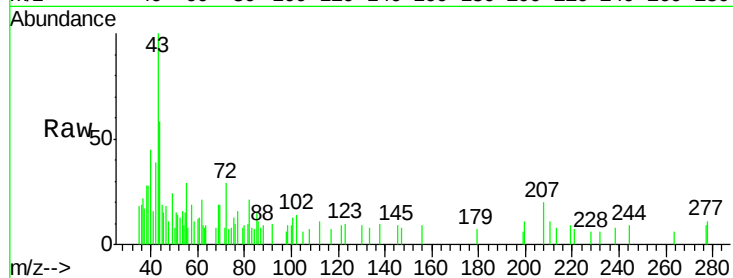




#25
2-Butanone
Concen: 0.320 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.00 min
Lab File: VX007337.D
Acq: 01 Feb 2019 15:33

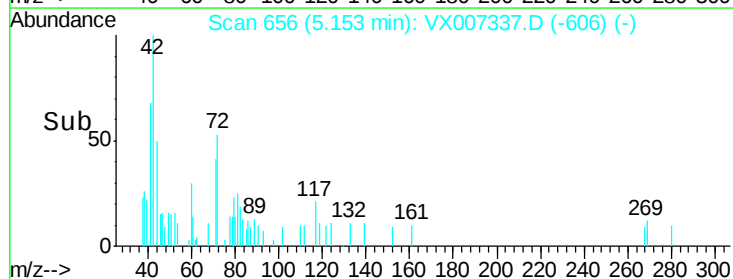
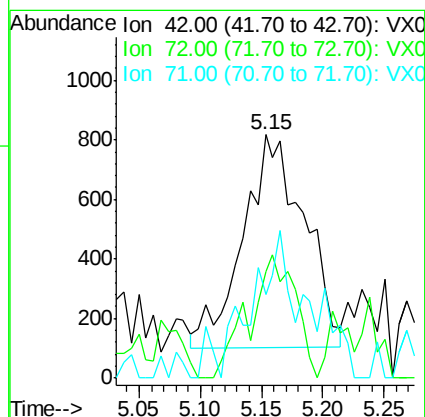
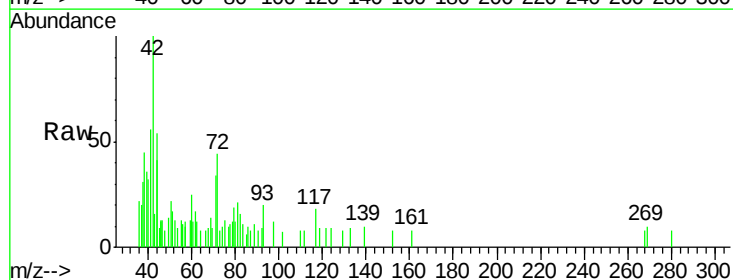
Instrument :
MSVOA_X
ClientSampleId :
0034-FIELD-BLANK

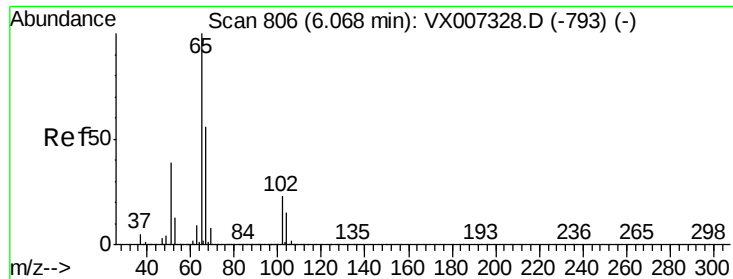
Tot Ion: 43 Resp: 1169
Ion Ratio Lower Upper
43 100
72 23.9 22.2 33.2



#29
Tetrahydrofuran
Concen: 1.086 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007337.D
Acq: 01 Feb 2019 15:33

Tgt Ion: 42 Resp: 2491
Ion Ratio Lower Upper
42 100
72 43.6 37.6 56.4
71 40.3 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 49.600 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007337.D

Acq: 01 Feb 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

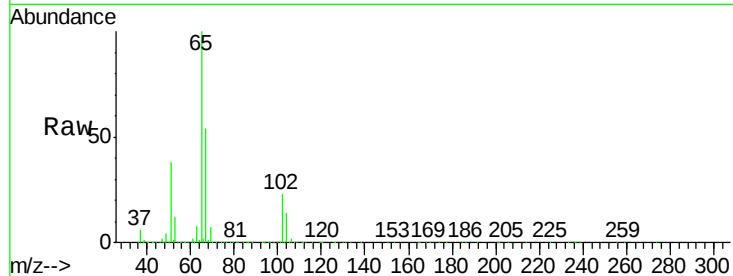
0034-FIELD-BLANK

Tot Ion: 65 Resp: 277611

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

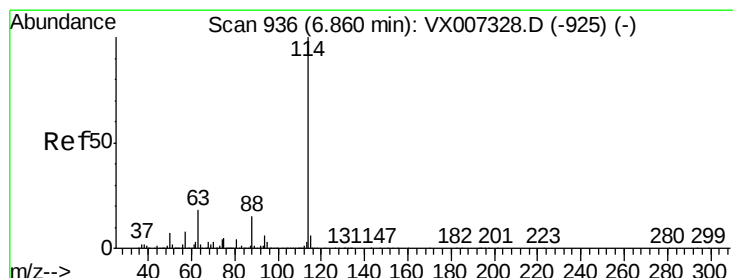
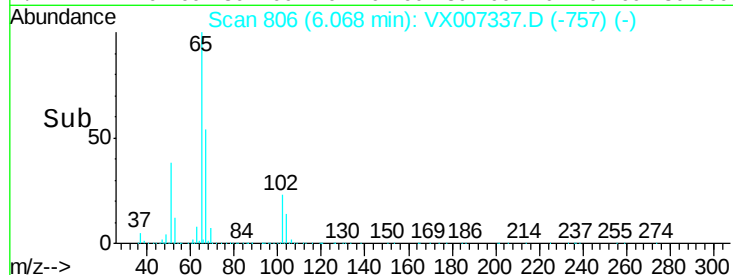
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007337.D

Acq: 01 Feb 2019 15:33

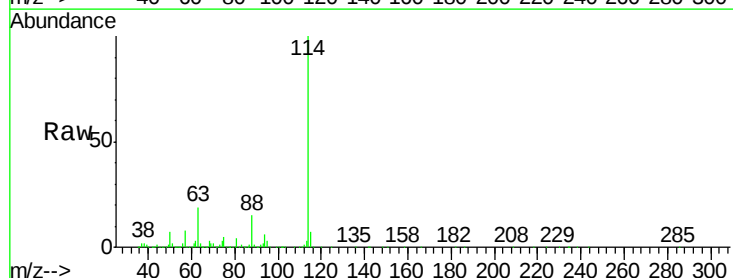
Tgt Ion: 114 Resp: 810756

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.6

88 15.1 0.0 29.6



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

6.86

400000

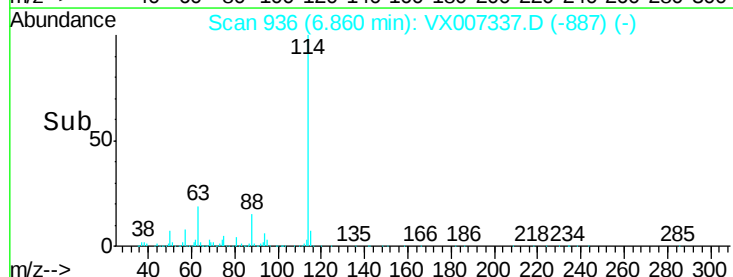
300000

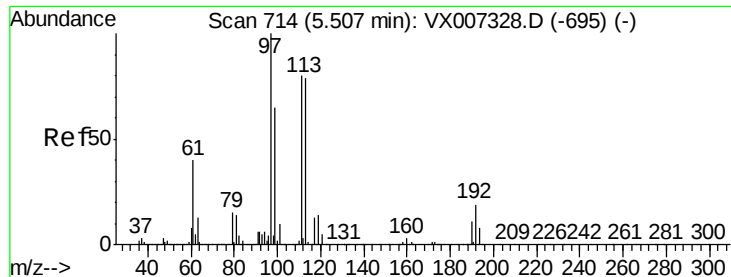
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.873 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007337.D

Acq: 01 Feb 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

0034-FIELD-BLANK

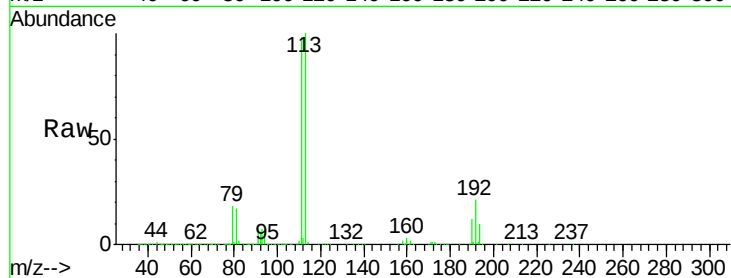
Tot Ion:113 Resp: 252542

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

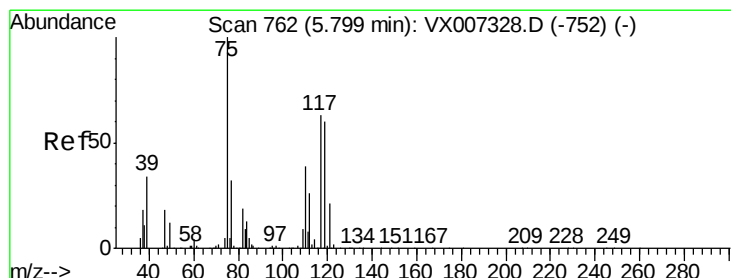
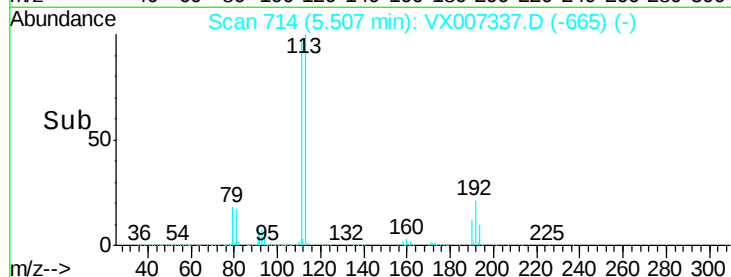
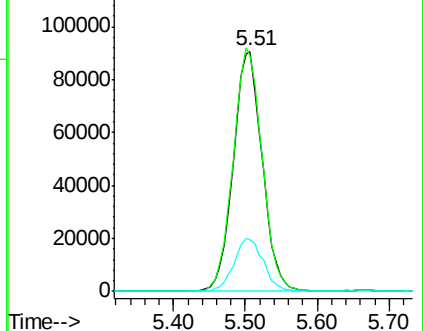
192 22.4 18.5 27.7



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: 4.691 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007337.D

Acq: 01 Feb 2019 15:33

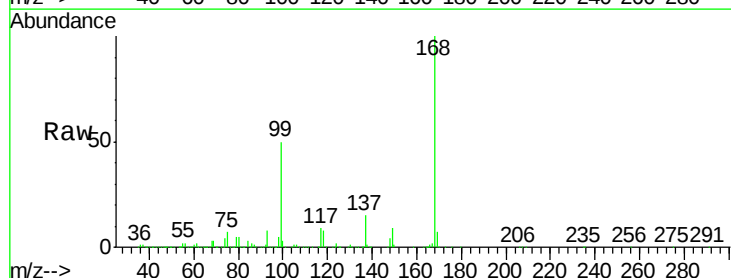
Tgt Ion: 75 Resp: 34121

Ion Ratio Lower Upper

75 100

110 10.1 20.0 59.9#

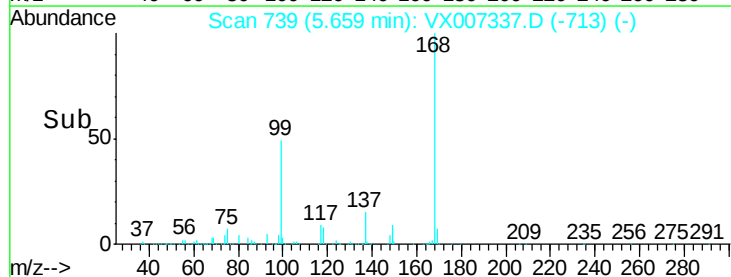
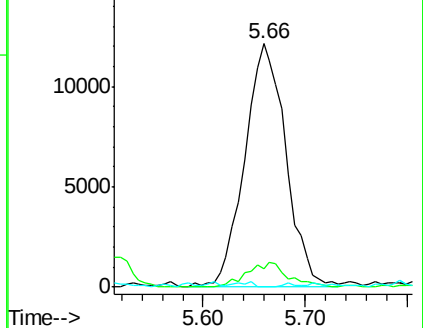
77 0.8 24.7 37.1#

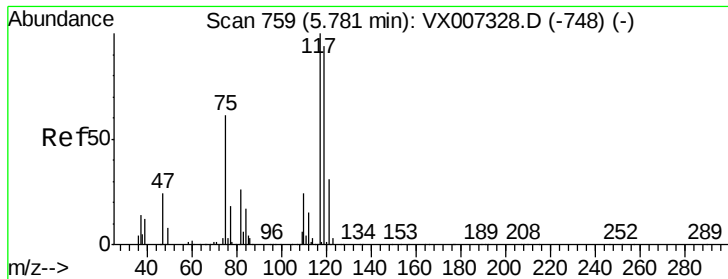


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.783 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007337.D

Acq: 01 Feb 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

0034-FIELD-BLANK

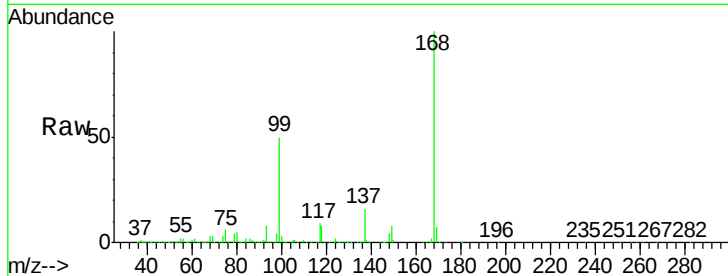
Tot Ion:117 Resp: 47869

Ion Ratio Lower Upper

117 100

119 4.4 75.3 112.9#

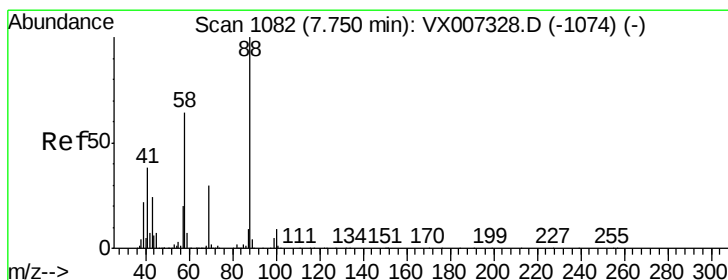
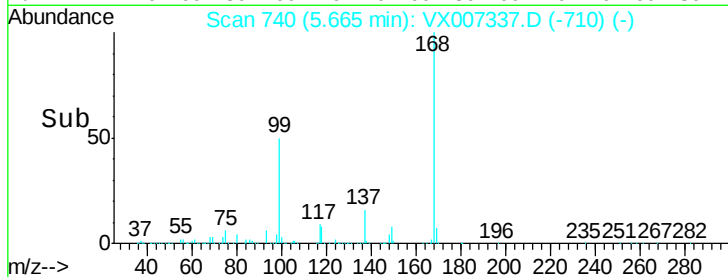
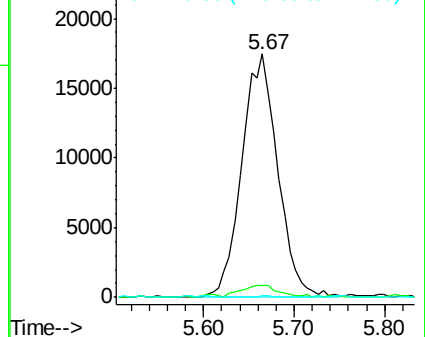
121 0.0 25.0 37.4#



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



#49

1,4-Dioxane

Concen: 7.494 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.02 min

Lab File: VX007337.D

Acq: 01 Feb 2019 15:33

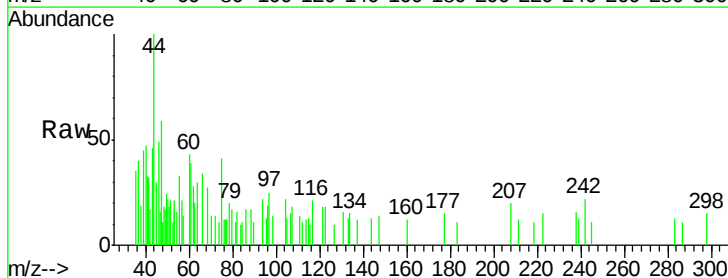
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

43 315.0 24.2 36.4#

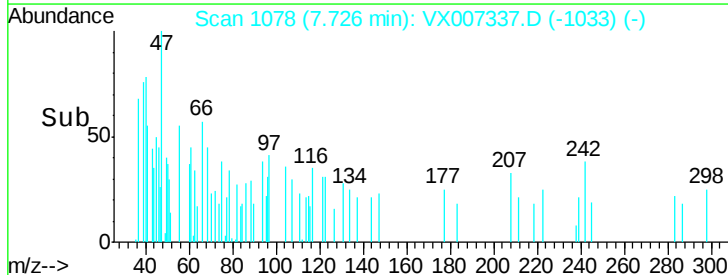
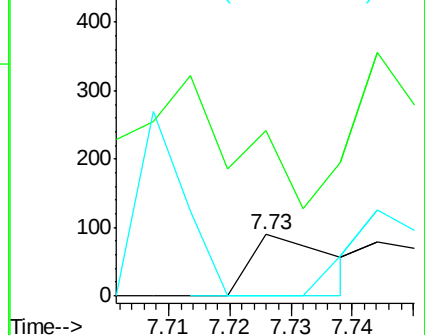
58 128.8 53.0 79.4#

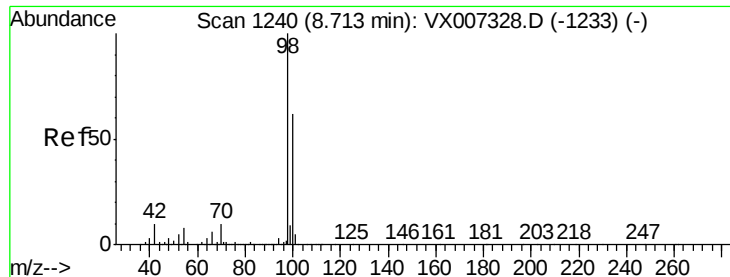


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.914 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007337.D

Acq: 01 Feb 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

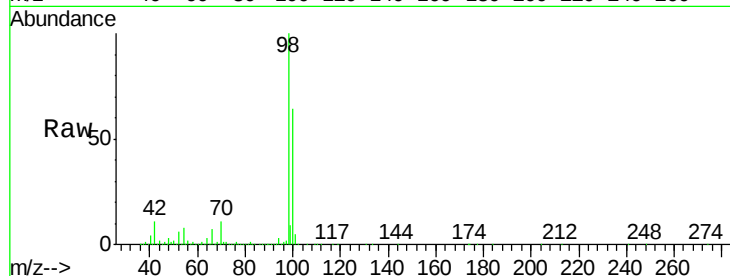
0034-FIELD-BLANK

Tot Ion: 98 Resp: 976928

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

600000

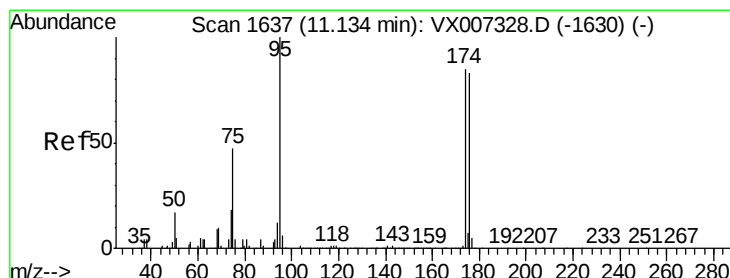
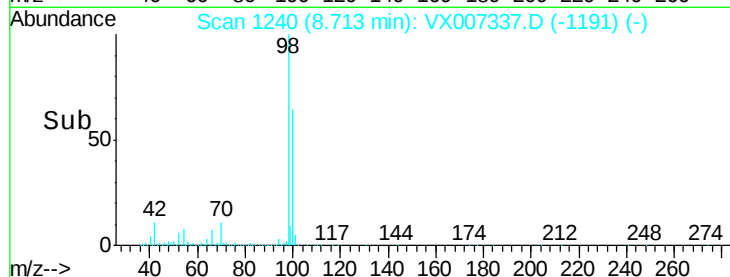
400000

200000

0

8.65 8.70 8.75 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 49.867 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007337.D

Acq: 01 Feb 2019 15:33

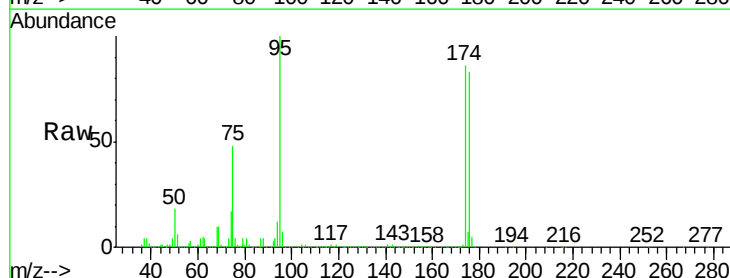
Tgt Ion: 95 Resp: 356341

Ion Ratio Lower Upper

95 100

174 92.4 0.0 189.2

176 89.0 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

300000

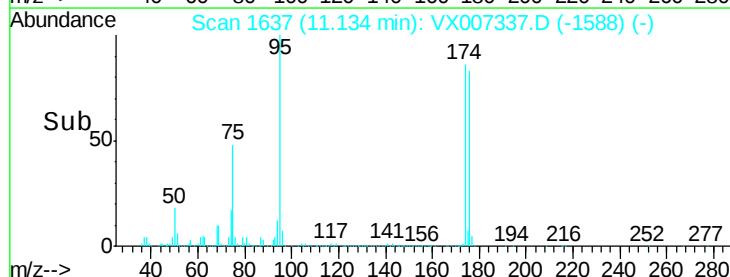
200000

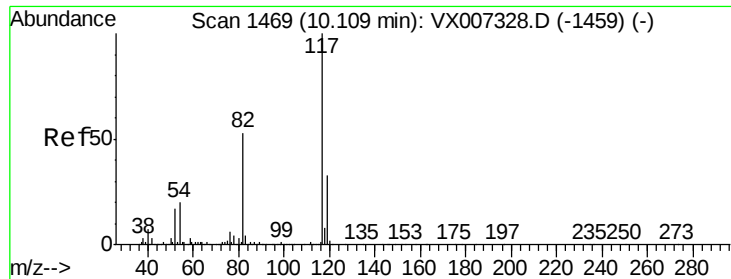
100000

0

11.10 11.20

Time-->

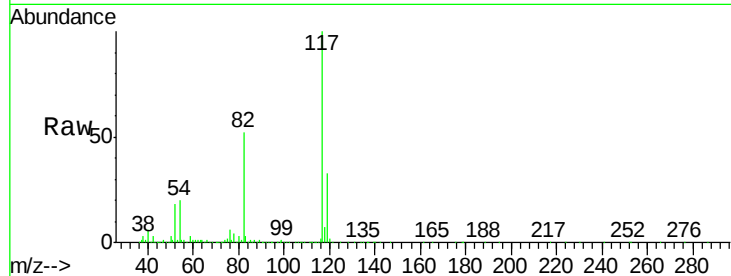




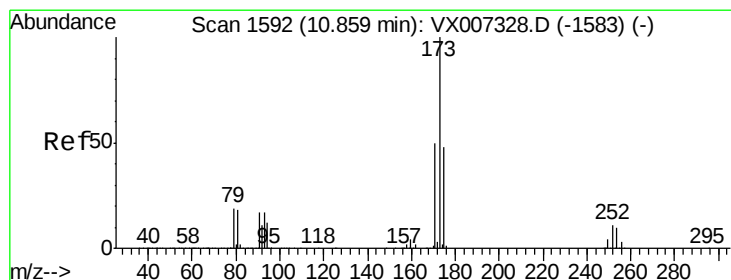
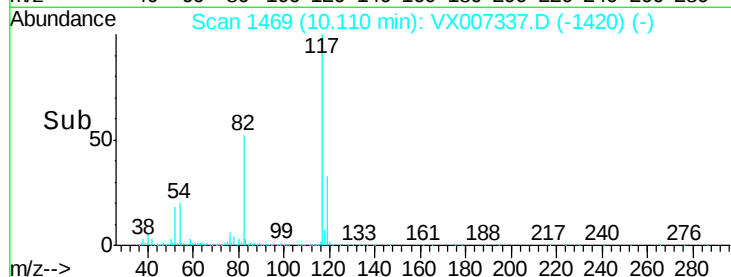
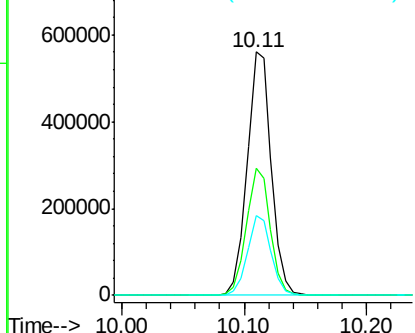
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007337.D
Acq: 01 Feb 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
0034-FIELD-BLANK

Tot Ion:117 Resp: 768935
Ion Ratio Lower Upper
117 100
82 52.4 42.1 63.1
119 32.5 26.5 39.7

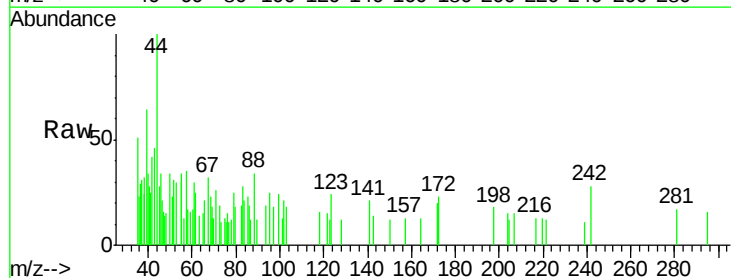


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

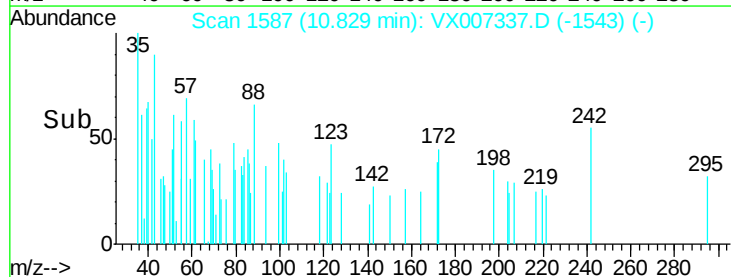
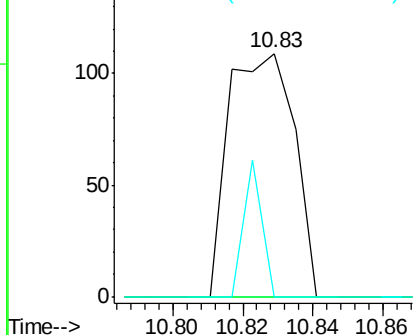


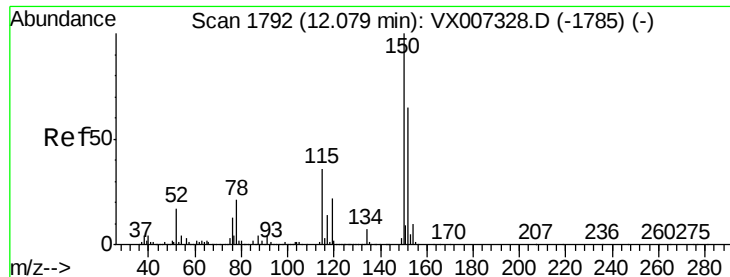
#71
Bromoform
Concen: 4.056 ug/l
RT: 10.83 min Scan# 1587
Delta R.T. -0.03 min
Lab File: VX007337.D
Acq: 01 Feb 2019 15:33

Tgt Ion:173 Resp: 142
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 15.5 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



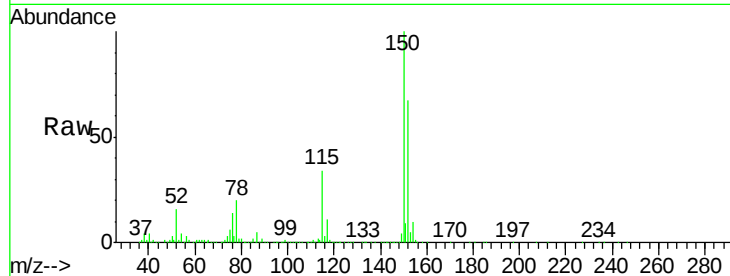


#72

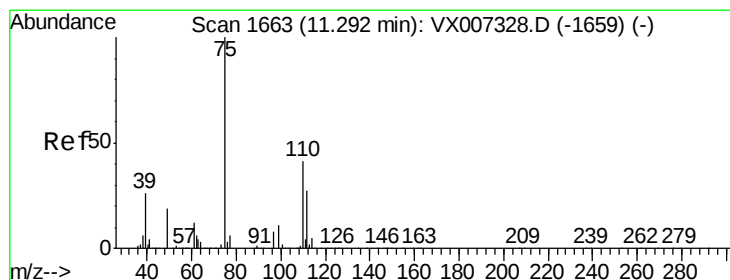
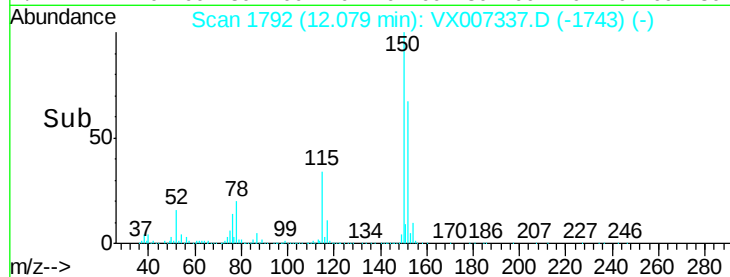
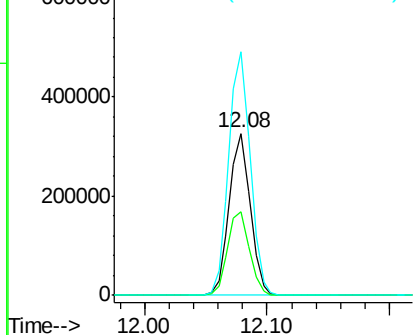
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007337.D
Acq: 01 Feb 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
0034-FIELD-BLANK

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.9	38.0	114.0
150	153.9	0.0	346.4



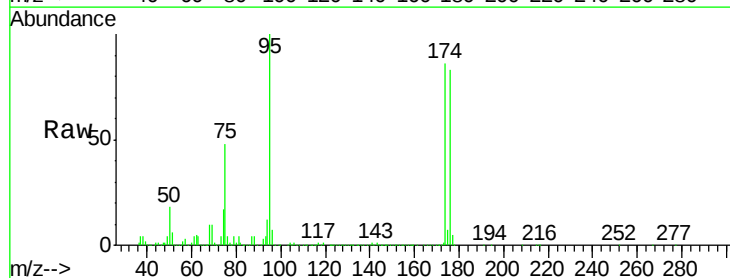
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



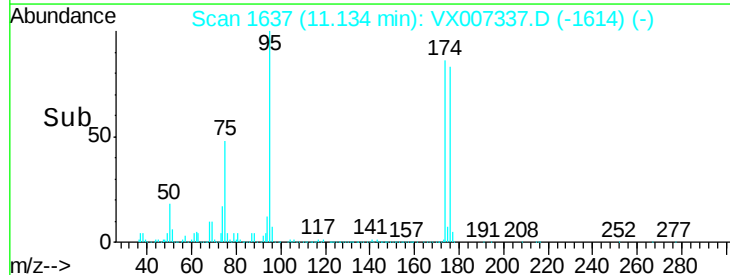
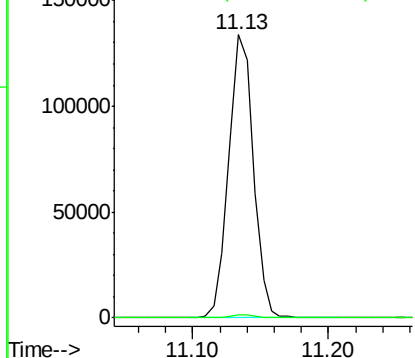
#76

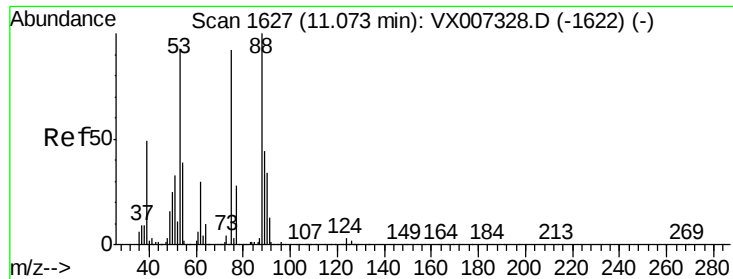
1,2,3-Trichloropropane
Concen: 22.420 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007337.D
Acq: 01 Feb 2019 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	23.0	69.0



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: 67.665 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007337.D

Acq: 01 Feb 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

0034-FIELD-BLANK

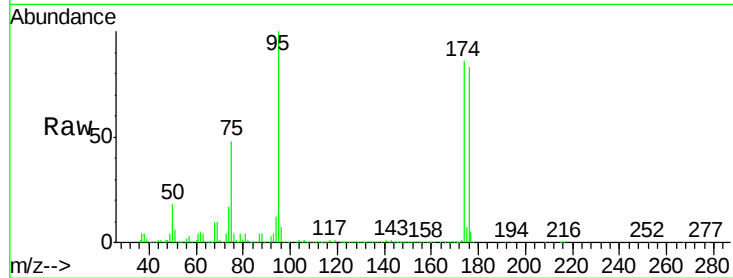
Tot Ion: 75 Resp: 169464

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.1 41.4 62.0#



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

