

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005429.D
 Acq On : 18 Oct 2018 14:50
 Operator : JC/MD
 Sample : J5588-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 19 03:33:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	330864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	494353	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	405987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	181603	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	5.50	113	147781	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
50) Toluene-d8	8.71	98	553467	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
62) 4-Bromofluorobenzene	11.14	95	182684	43.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.52%	

Target Compounds

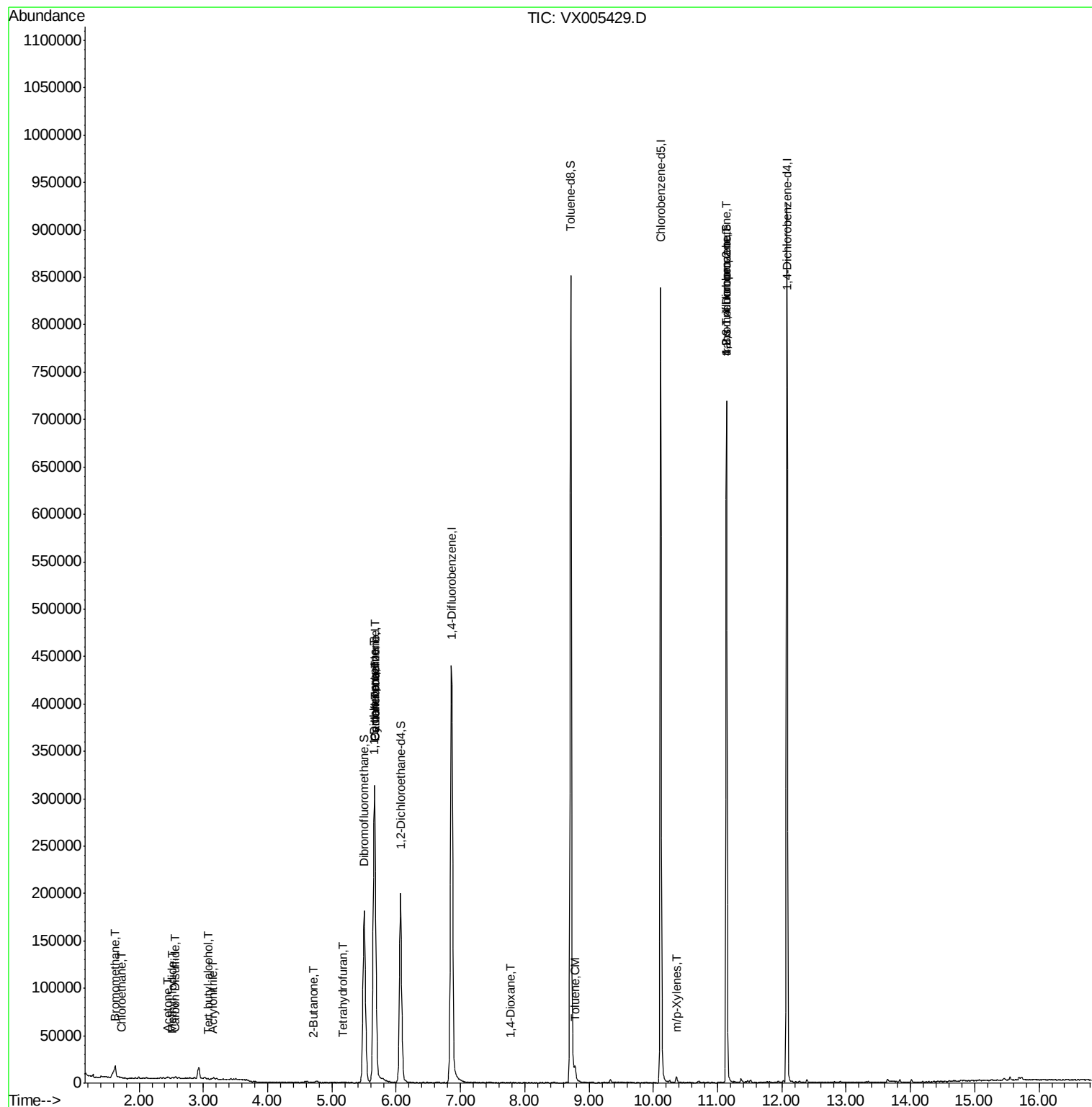
					Qvalue	
5) Bromomethane	1.64	94	1116	1.099	ug/l	89
6) Chloroethane	1.72	64	76	0.365	ug/l #	44
10) Methyl Iodide	2.51	142	1102	2.815	ug/l #	97
11) Tert butyl alcohol	3.07	59	259	0.250	ug/l #	38
13) Acrolein	2.29	56	78	Below Cal	#	1
15) Acrylonitrile	3.15	53	649	0.276	ug/l #	78
16) Acetone	2.45	43	1799	0.847	ug/l #	83
17) Carbon Disulfide	2.56	76	1890	0.215	ug/l #	92
20) Methylene Chloride	2.85	84	410	Below Cal	#	83
25) 2-Butanone	4.71	43	1225	0.394	ug/l	92
29) Tetrahydrofuran	5.17	42	721	0.364	ug/l #	87
31) Cyclohexane	5.67	56	5799	1.149	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	21494	4.489	ug/l #	41
38) Carbon Tetrachloride	5.66	117	29858	6.207	ug/l #	15
44) Trichloroethene	7.21	130	212	Below Cal		82
49) 1,4-Dioxane	7.79	88	22	0.224	ug/l #	24
52) Toluene	8.79	92	3226	0.411	ug/l	96
68) m/p-Xylenes	10.36	106	1551	0.285	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	86989	22.816	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	86989	69.326	ug/l #	10

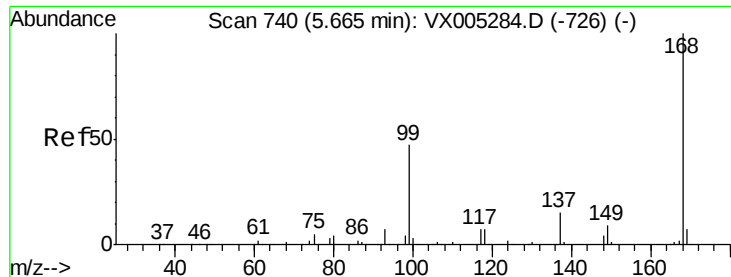
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
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: VX005429.D

Acq: 18 Oct 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

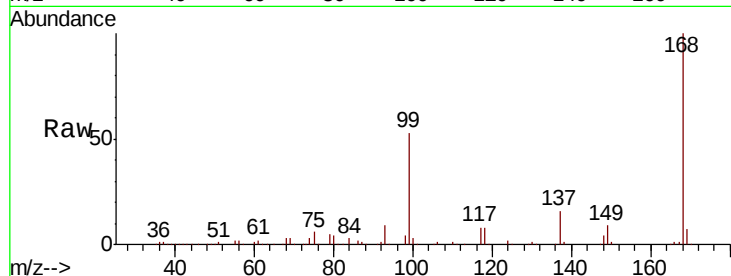
TRIP-BLANK

Tot Ion:168 Resp: 330864

Ion Ratio Lower Upper

168 100

99 52.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

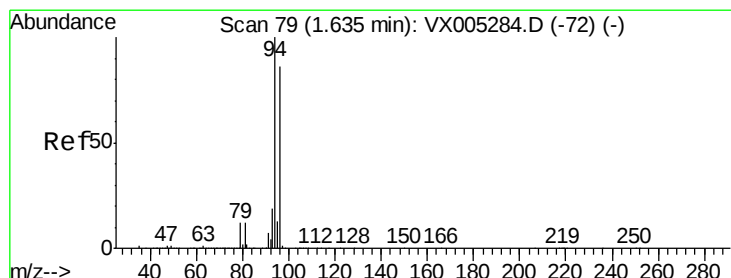
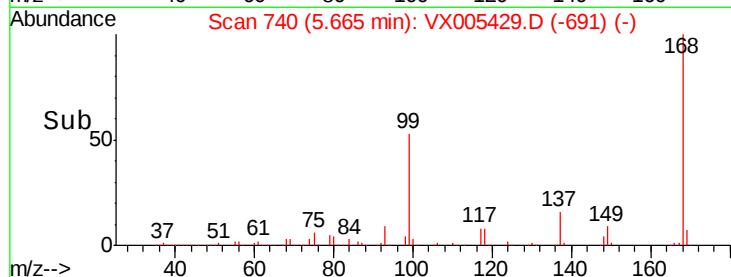
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 1.099 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005429.D

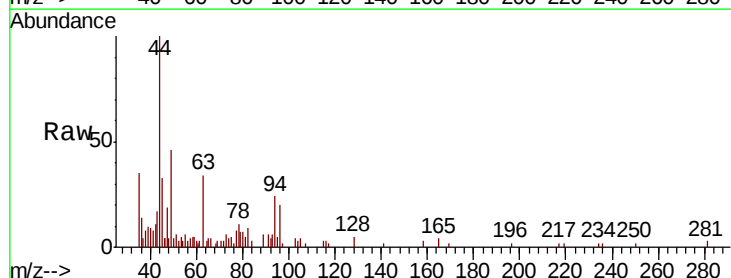
Acq: 18 Oct 2018 14:50

Tgt Ion: 94 Resp: 1116

Ion Ratio Lower Upper

94 100

96 82.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

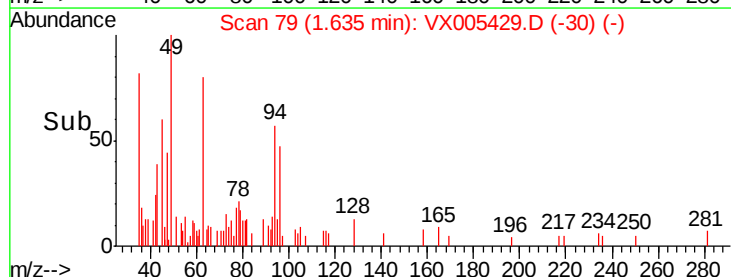
600

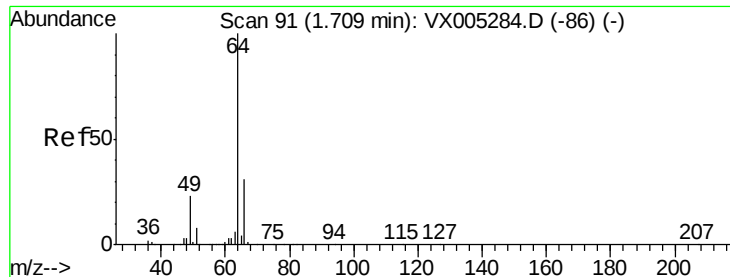
400

200

0

Time--> 1.55 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.365 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005429.D

Acq: 18 Oct 2018 14:50

Instrument :

MSVOA_X

ClientSampled :

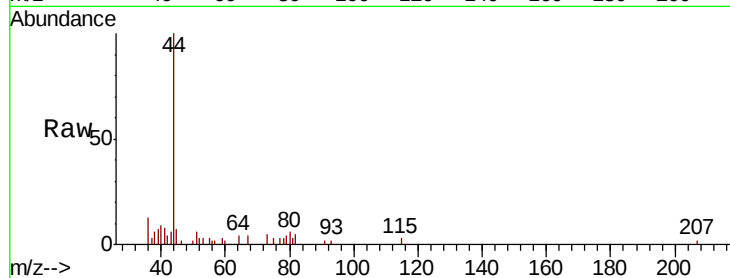
TRIP-BLANK

Tot Ion: 64 Resp: 76

Ion Ratio Lower Upper

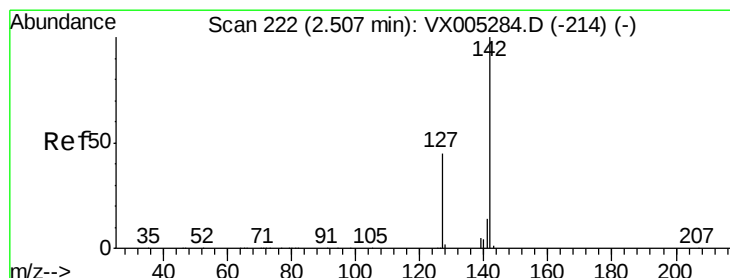
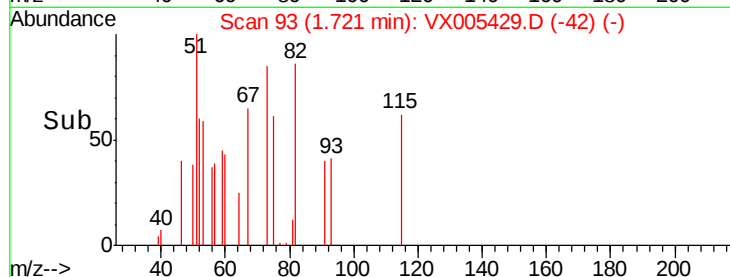
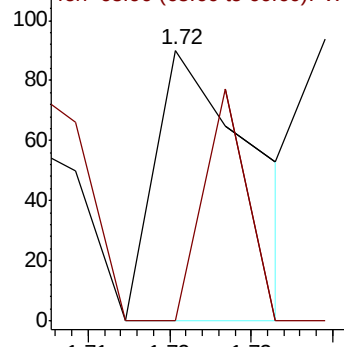
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.815 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005429.D

Acq: 18 Oct 2018 14:50

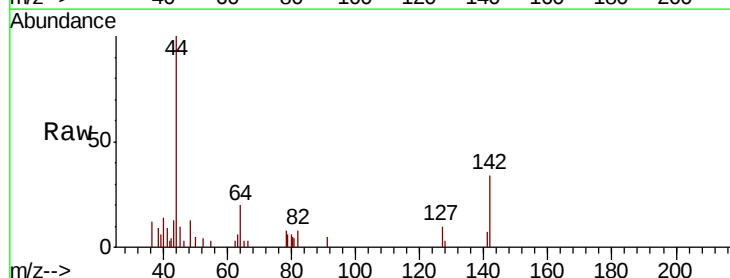
Tgt Ion: 142 Resp: 1102

Ion Ratio Lower Upper

142 100

127 43.6 33.8 50.6

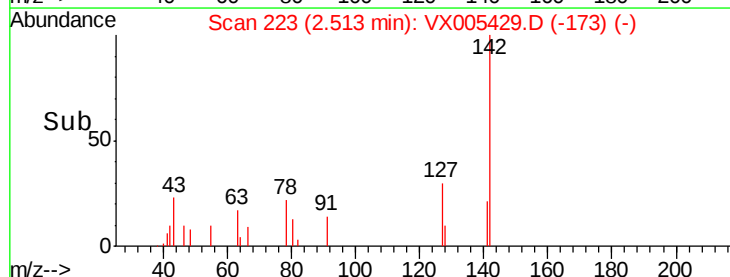
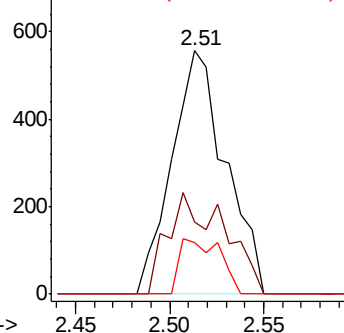
141 17.1 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

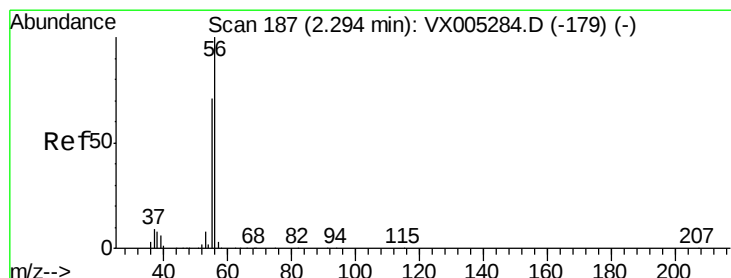
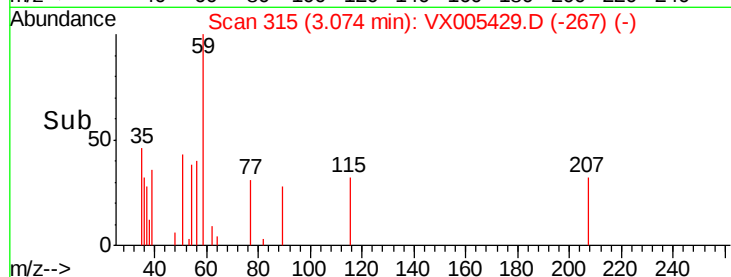
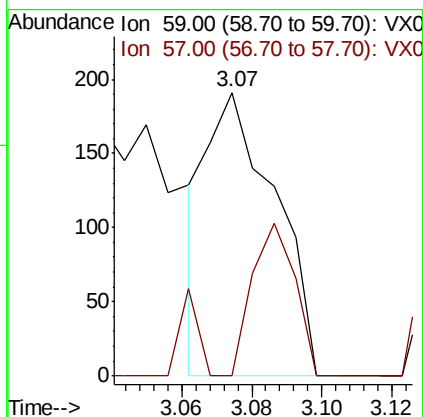
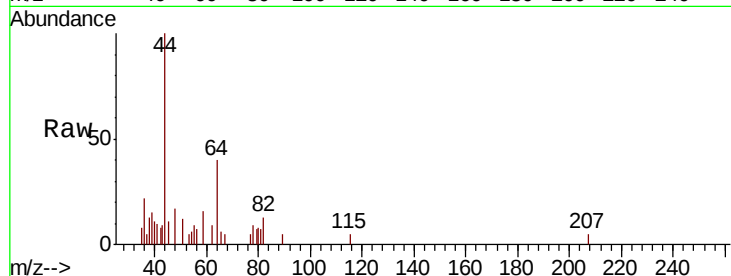




#11
Tert butvl alcohol
Concen: 0.250 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005429.D
Acq: 18 Oct 2018 14:50

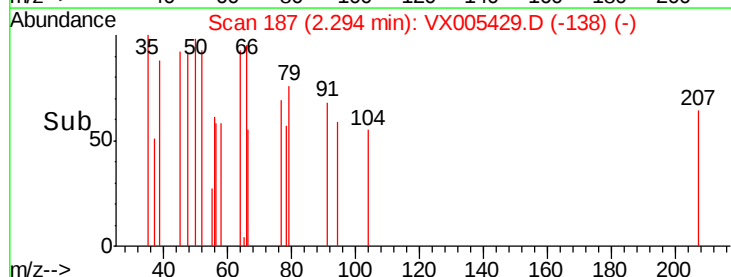
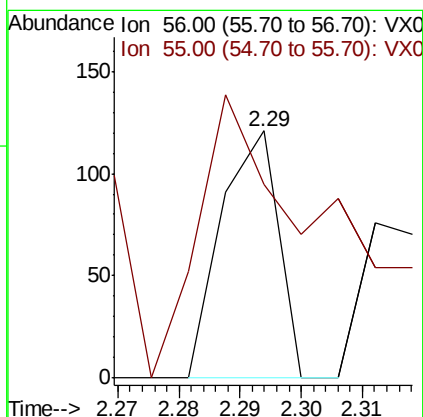
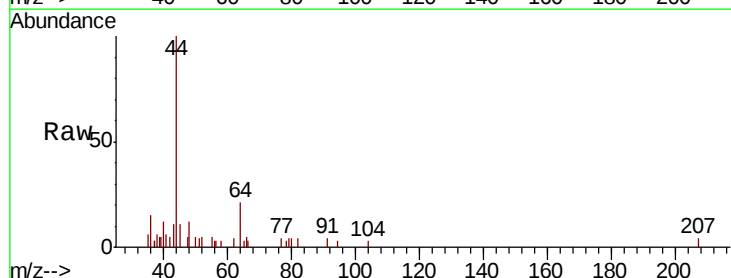
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

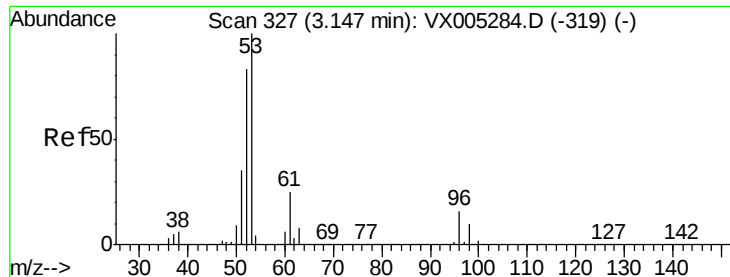
Tot Ion: 59 Resp: 259
Ion Ratio Lower Upper
59 100
57 33.6 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005429.D
Acq: 18 Oct 2018 14:50

Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 323.1 54.7 82.1#





#15

Acrylonitrile

Concen: 0.276 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005429.D

Acq: 18 Oct 2018 14:50

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

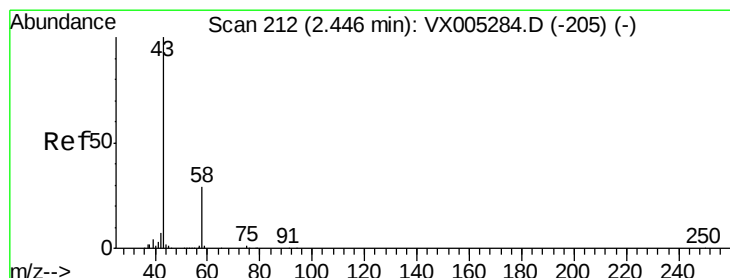
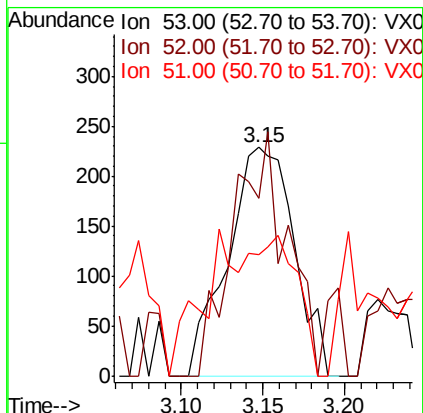
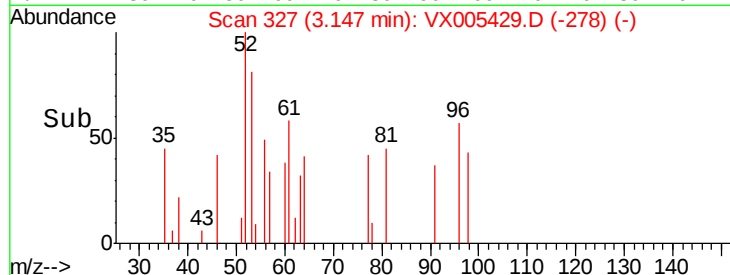
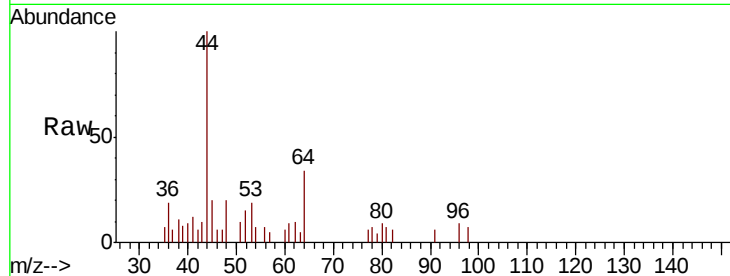
Tot Ion: 53 Resp: 649

Ion Ratio Lower Upper

53 100

52 86.6 65.2 97.8

51 0.0 28.2 42.2#



#16

Acetone

Concen: 0.847 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005429.D

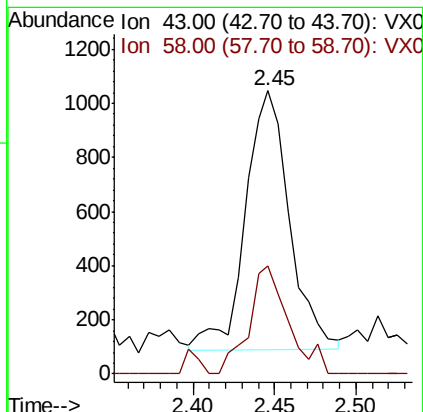
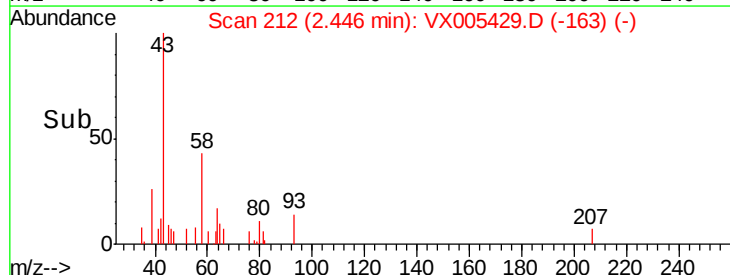
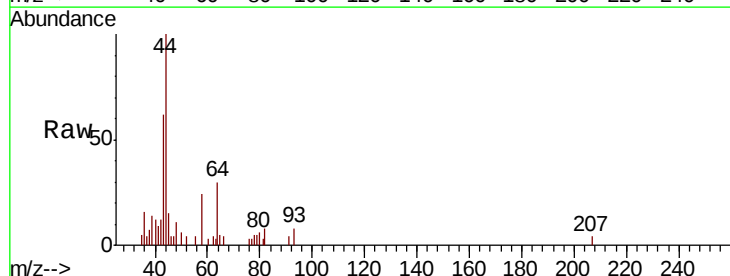
Acq: 18 Oct 2018 14:50

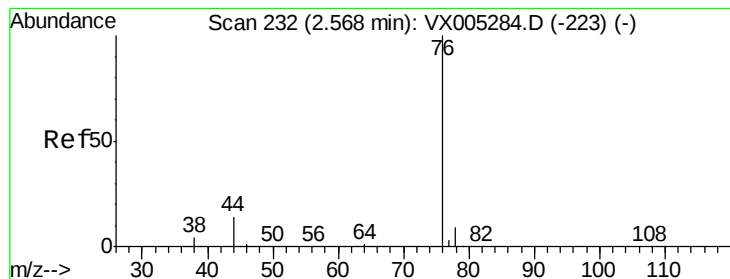
Tgt Ion: 43 Resp: 1799

Ion Ratio Lower Upper

43 100

58 42.5 26.2 39.4#





#17

Carbon Disulfide

Concen: 0.215 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005429.D

Acq: 18 Oct 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

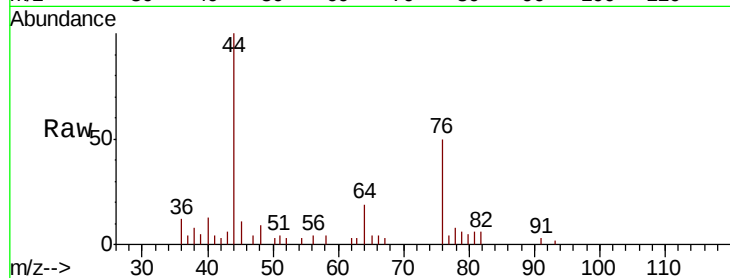
TRIP-BLANK

Tot Ion: 76 Resp: 1890

Ion Ratio Lower Upper

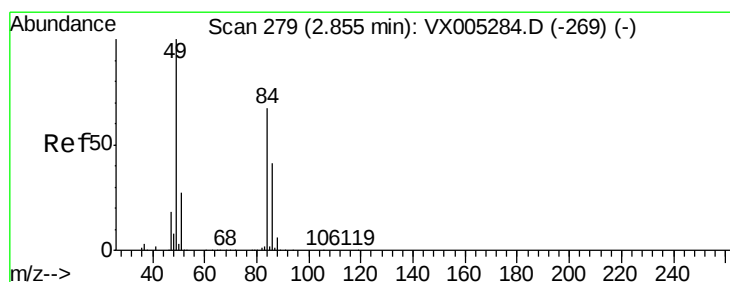
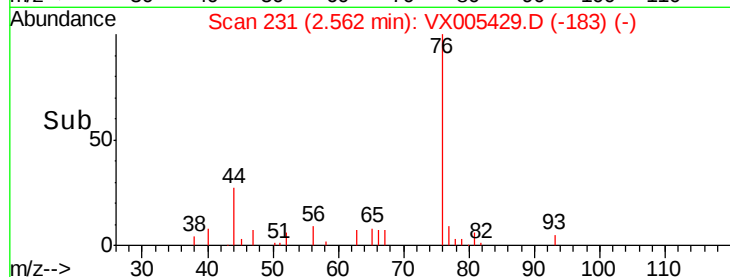
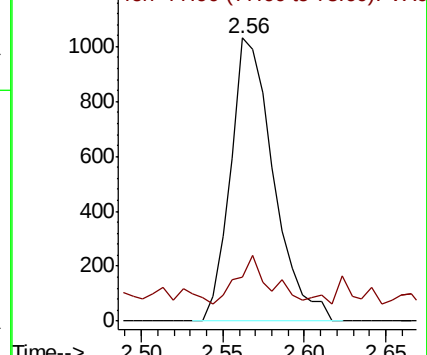
76 100

78 5.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX005429.D

Acq: 18 Oct 2018 14:50

Tgt Ion: 84 Resp: 410

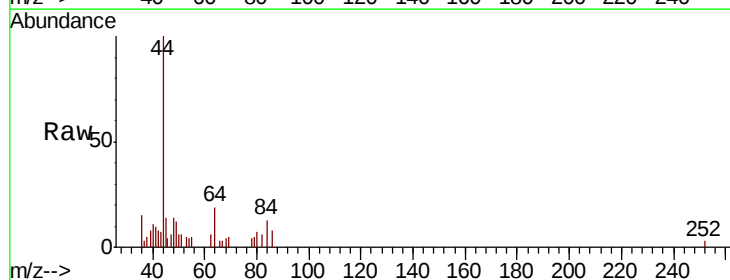
Ion Ratio Lower Upper

84 100

49 97.7 101.2 151.8#

51 46.1 29.5 44.3#

86 64.5 52.3 78.5

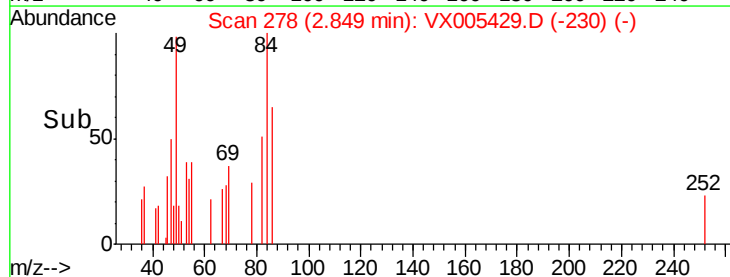
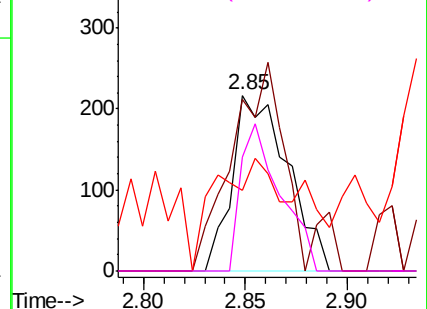


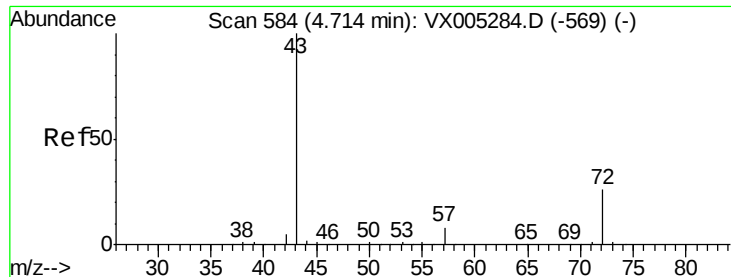
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.394 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005429.D

Acq: 18 Oct 2018 14:50

Instrument :

MSVOA_X

ClientSampled :

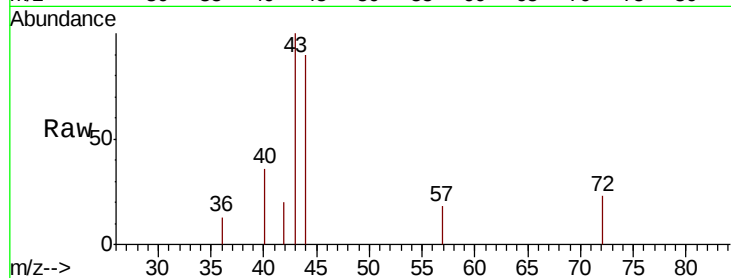
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Tot Ion: 43 Resp: 1225

Ion Ratio Lower Upper

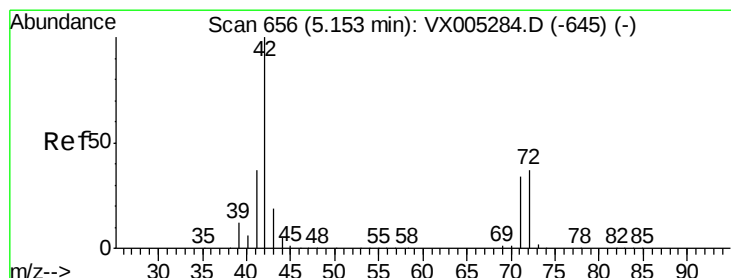
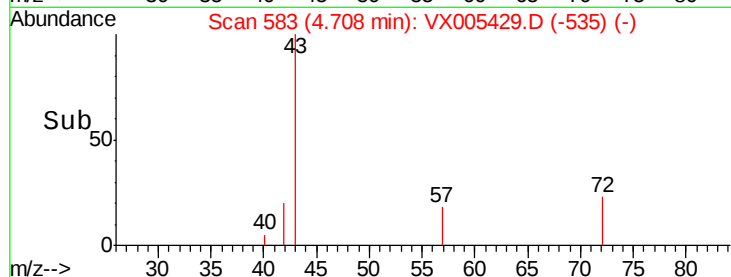
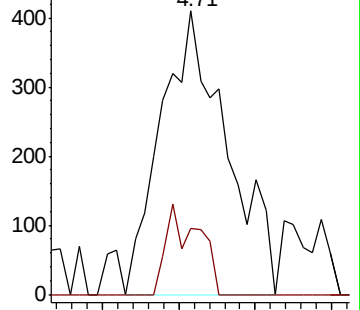
43 100

72 23.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.364 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX005429.D

Acq: 18 Oct 2018 14:50

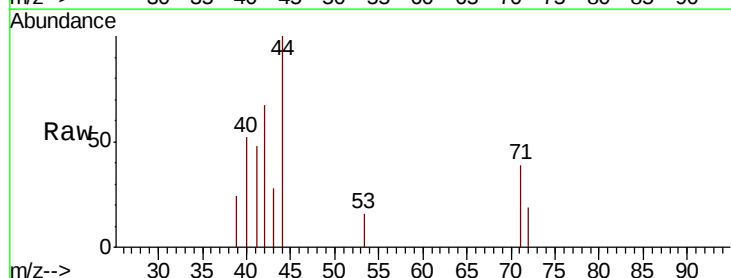
Tgt Ion: 42 Resp: 721

Ion Ratio Lower Upper

42 100

72 31.9 37.4 56.0#

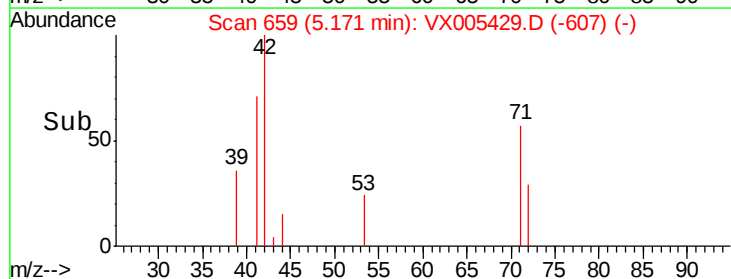
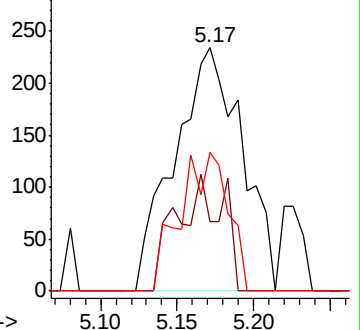
71 40.6 34.5 51.7

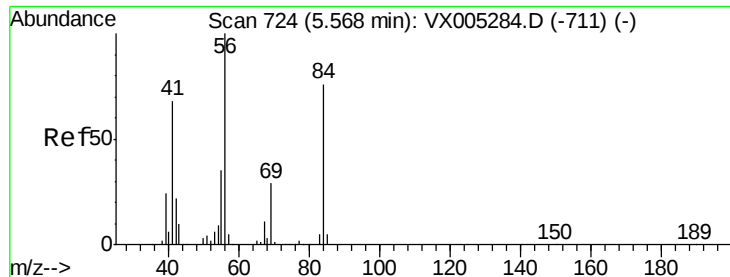


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

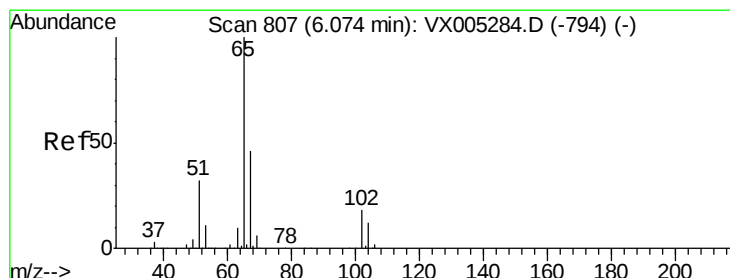
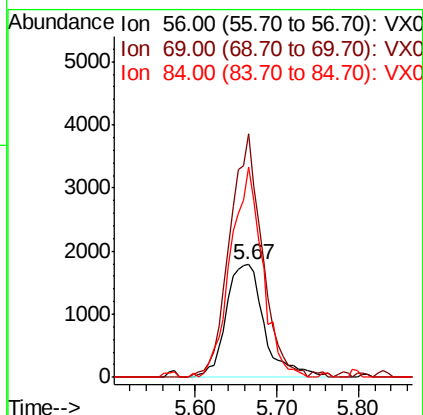
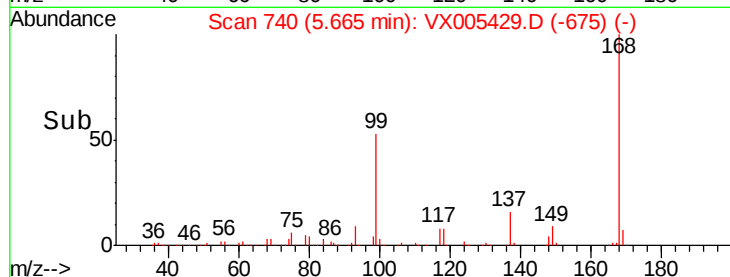
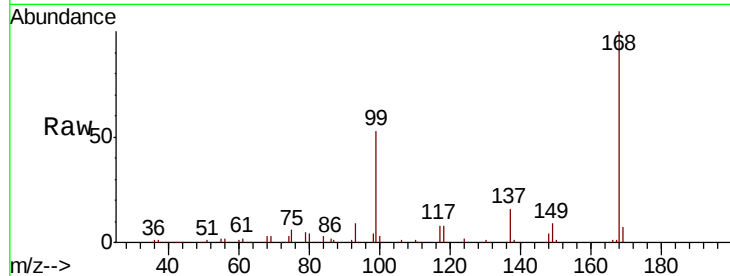




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.10 min
Lab File: VX005429.D
Acq: 18 Oct 2018 14:50

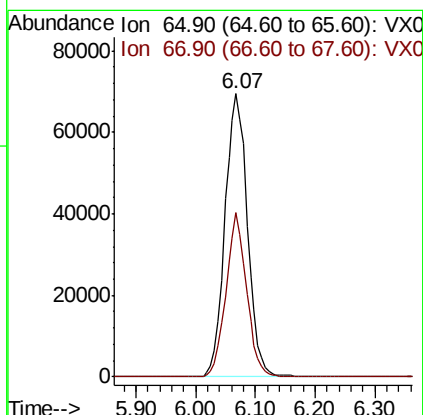
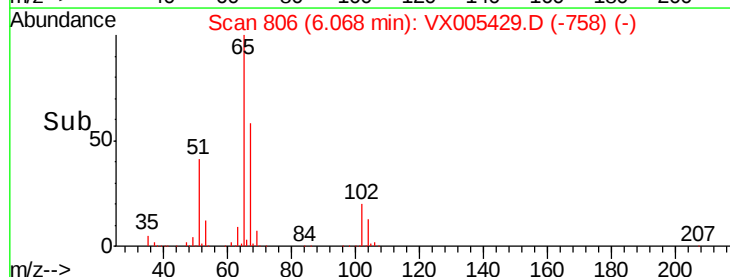
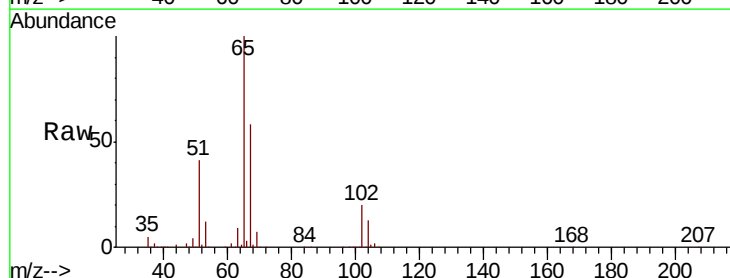
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

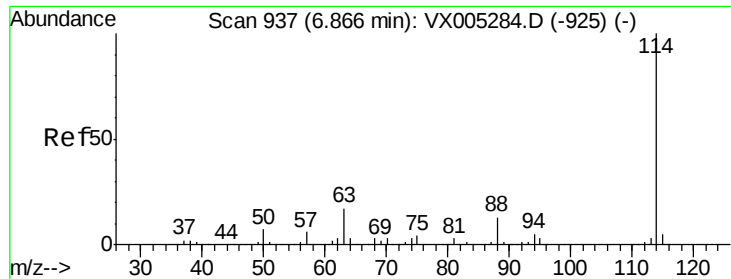
Tot Ion: 56 Resp: 5799
Ion Ratio Lower Upper
56 100
69 216.2 25.4 38.2#
84 186.8 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 49.455 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005429.D
Acq: 18 Oct 2018 14:50

Tgt Ion: 65 Resp: 181603
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8

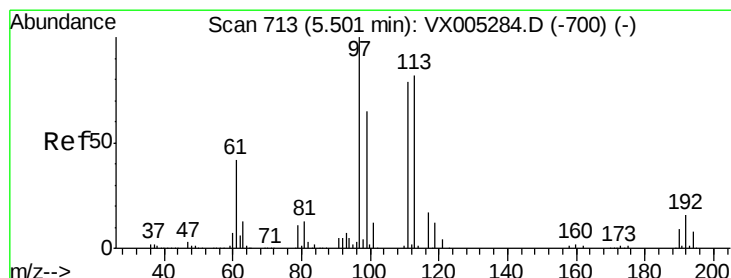
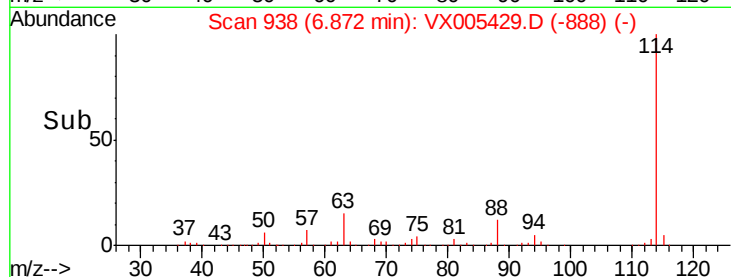
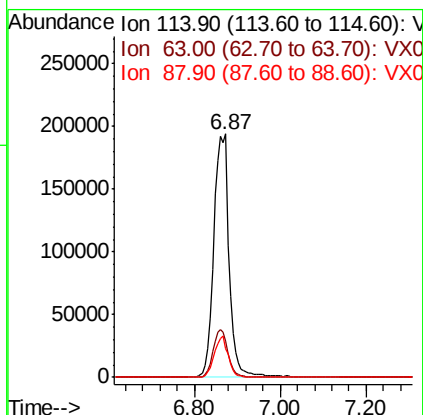
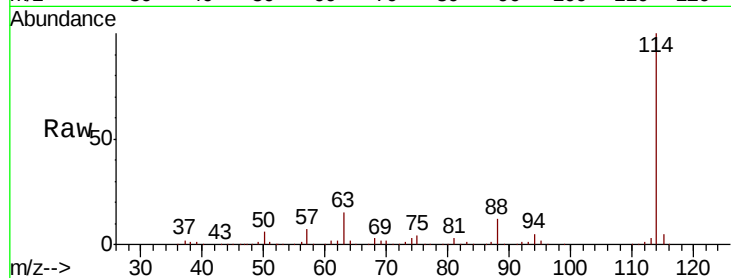




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VX005429.D
 Acq: 18 Oct 2018 14:50

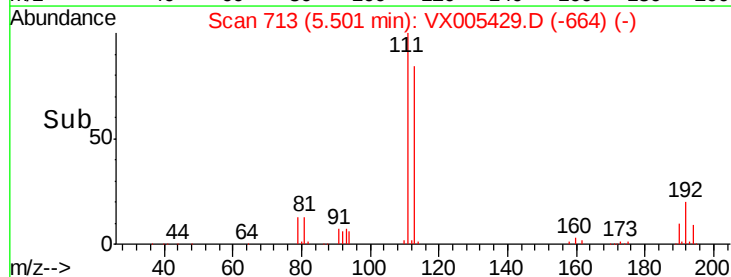
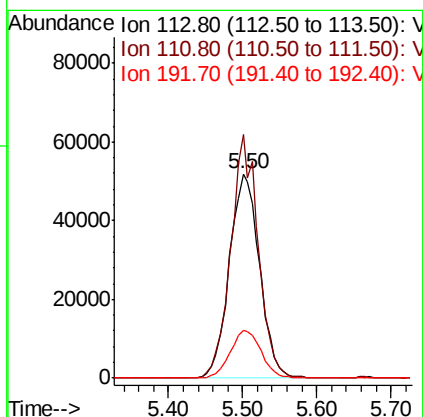
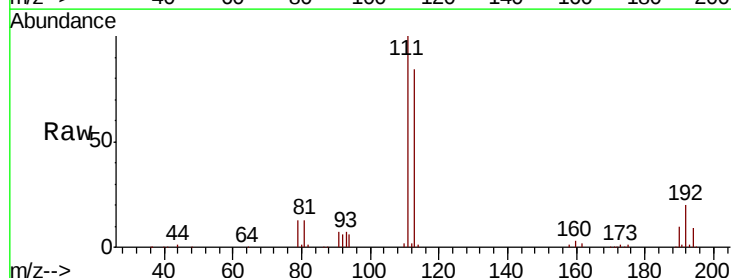
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

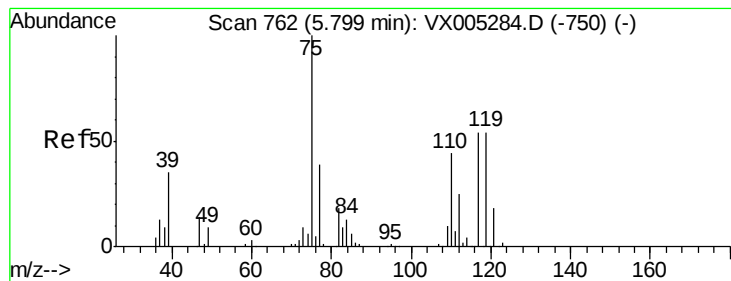
Tot Ion:114 Resp: 494353
 Ion Ratio Lower Upper
 114 100
 63 14.9 0.0 39.0
 88 11.8 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 45.135 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005429.D
 Acq: 18 Oct 2018 14:50

Tgt Ion:113 Resp: 147781
 Ion Ratio Lower Upper
 113 100
 111 108.2 82.4 123.6
 192 23.8 19.4 29.2





#36

1,1-Dichloropropene

Concen: 4.489 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX005429.D

Acq: 18 Oct 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

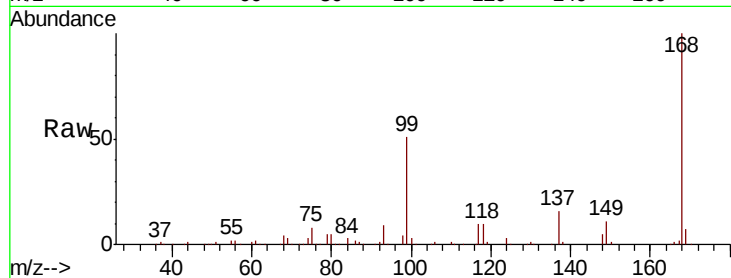
Tot Ion: 75 Resp: 21494

Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

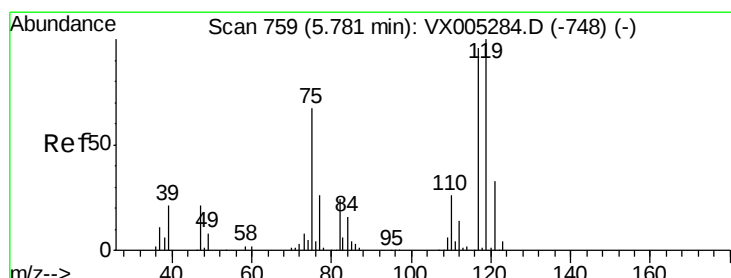
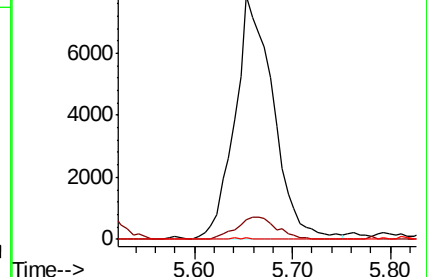
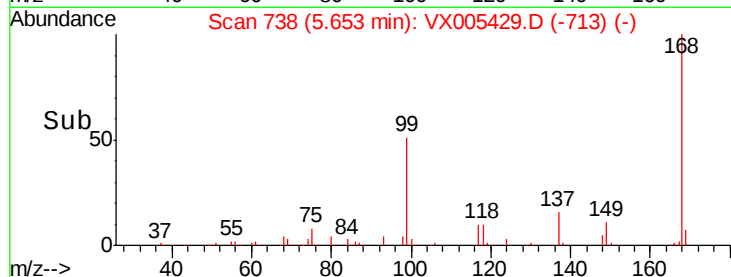
77 0.2 24.6 36.8#



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: 6.207 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005429.D

Acq: 18 Oct 2018 14:50

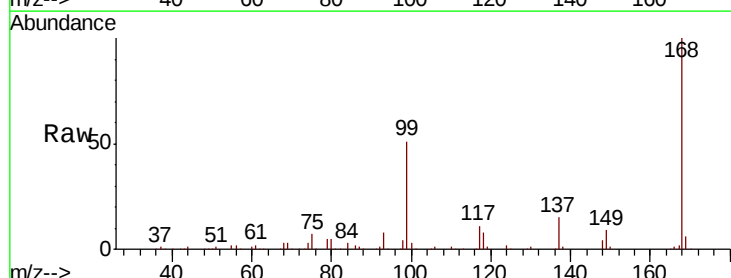
Tgt Ion: 117 Resp: 29858

Ion Ratio Lower Upper

117 100

119 5.1 78.8 118.2#

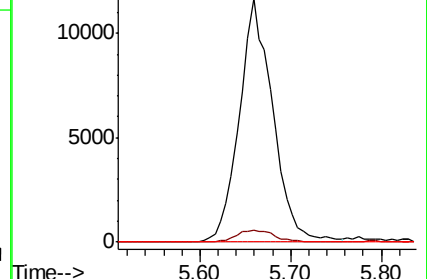
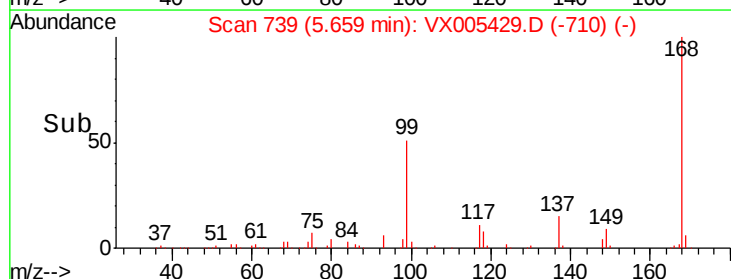
121 0.0 24.9 37.3#

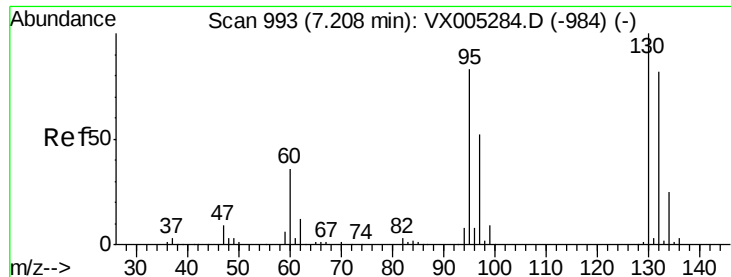


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

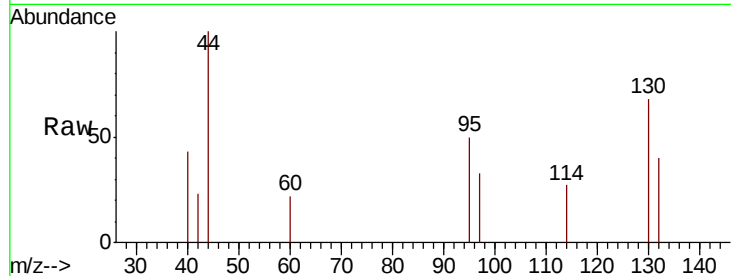




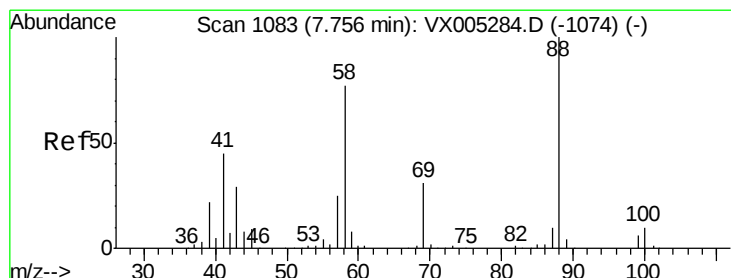
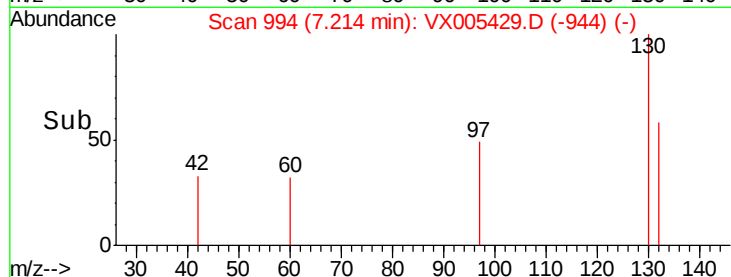
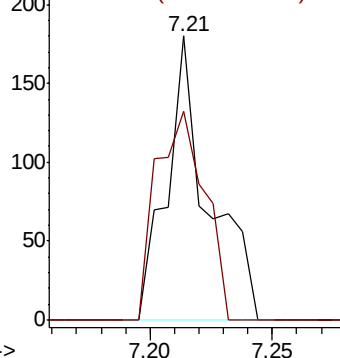
#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005429.D
 Acq: 18 Oct 2018 14:50

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion:130 Resp: 212
 Ion Ratio Lower Upper
 130 100
 95 73.3 0.0 181.6

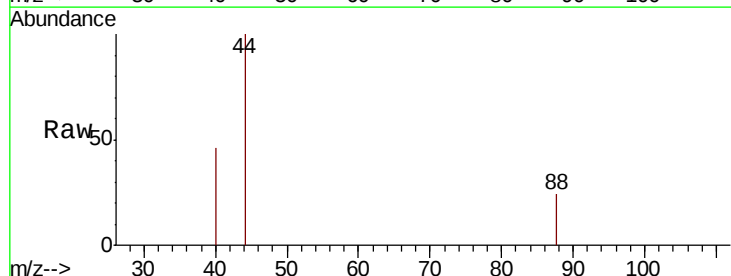


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

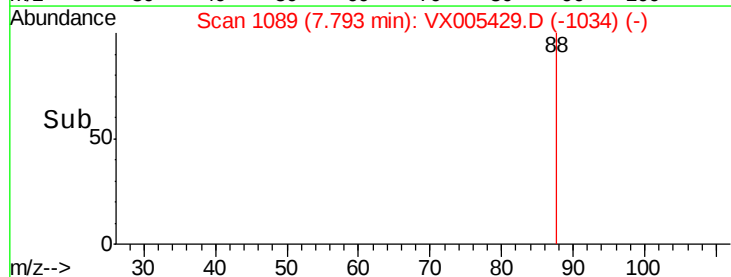
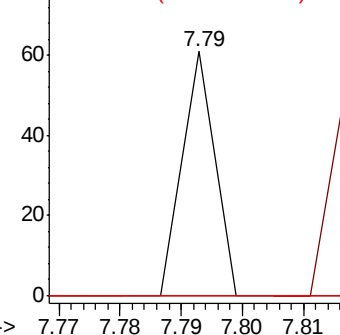


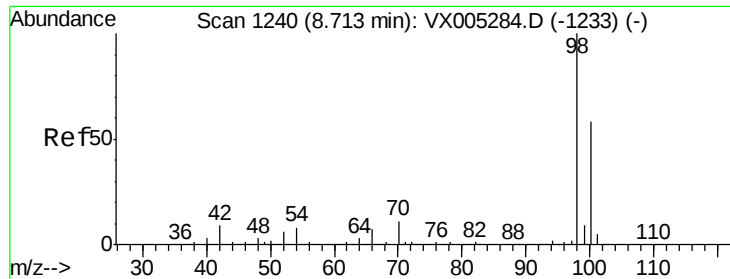
#49
 1,4-Dioxane
 Concen: 0.224 ug/l
 RT: 7.79 min Scan# 1089
 Delta R.T. 0.04 min
 Lab File: VX005429.D
 Acq: 18 Oct 2018 14:50

Tgt Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 0.0 24.7 37.1#
 58 0.0 55.3 82.9#



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

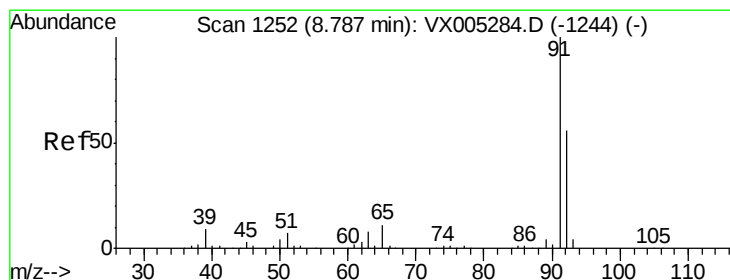
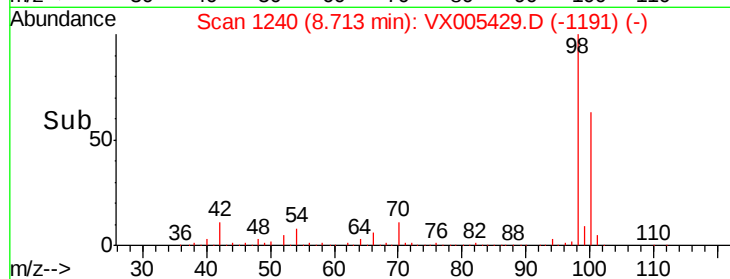
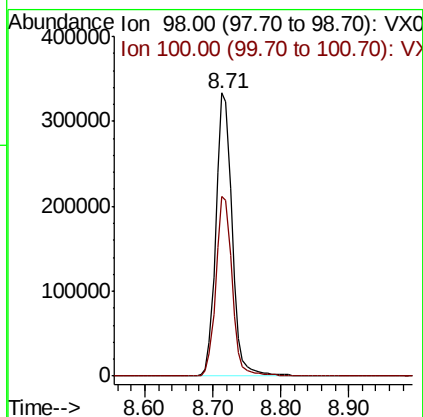
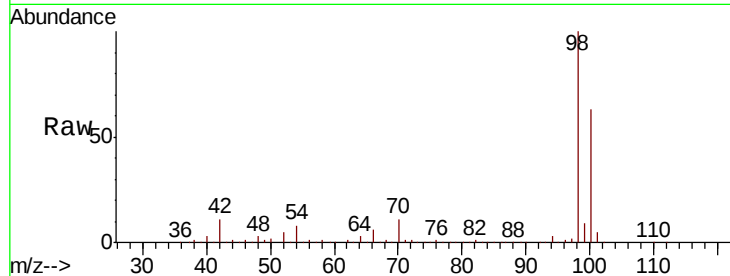




#50
Toluene-d8
Concen: 49.238 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005429.D
Acq: 18 Oct 2018 14:50

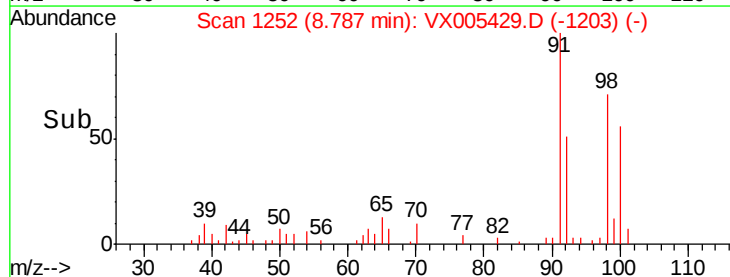
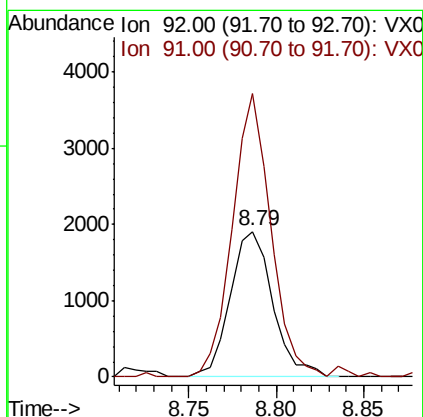
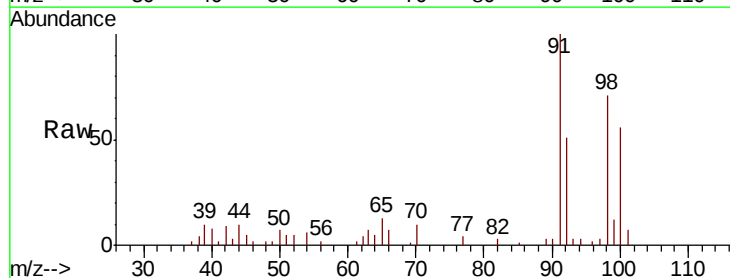
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

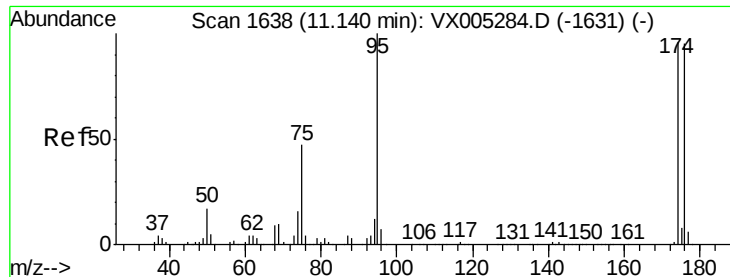
Tot Ion: 98 Resp: 553467
Ion Ratio Lower Upper
98 100
100 63.6 52.9 79.3



#52
Toluene
Concen: 0.411 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005429.D
Acq: 18 Oct 2018 14:50

Tgt Ion: 92 Resp: 3226
Ion Ratio Lower Upper
92 100
91 176.2 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 43.262 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005429.D

Acq: 18 Oct 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

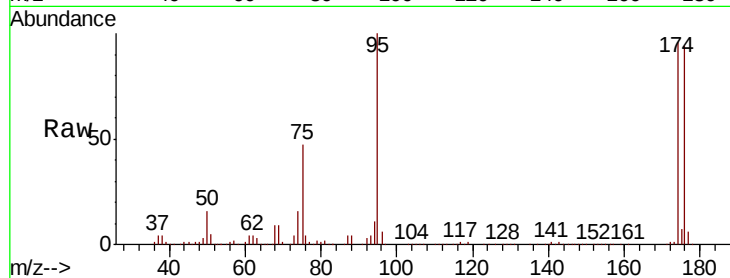
Tot Ion: 95 Resp: 182684

Ion Ratio Lower Upper

95 100

174 94.7 0.0 185.2

176 90.9 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX005429.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005429.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005429.D (-1589) (-)

11.14

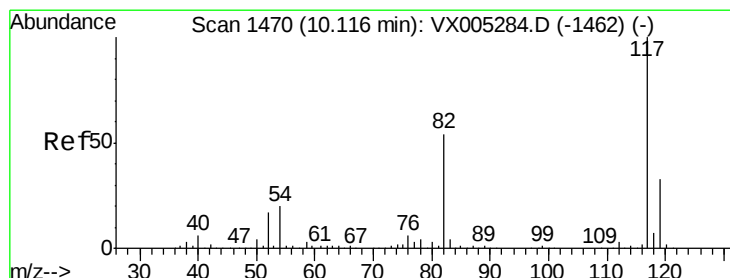
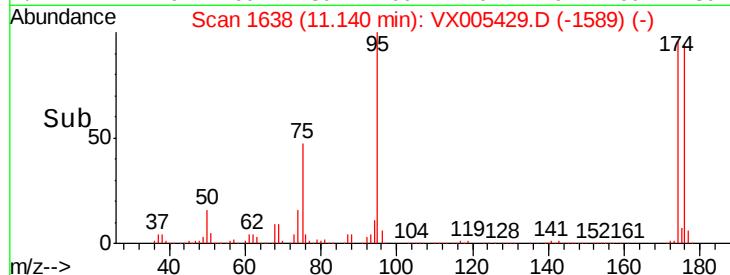
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005429.D

Acq: 18 Oct 2018 14:50

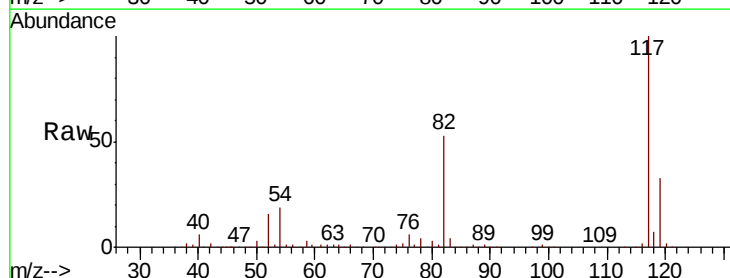
Tgt Ion: 117 Resp: 405987

Ion Ratio Lower Upper

117 100

82 52.7 47.8 71.6

119 32.5 29.3 43.9



Abundance Ion 116.90 (116.60 to 117.60): VX005429.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005429.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005429.D (-1421) (-)

10.12

400000

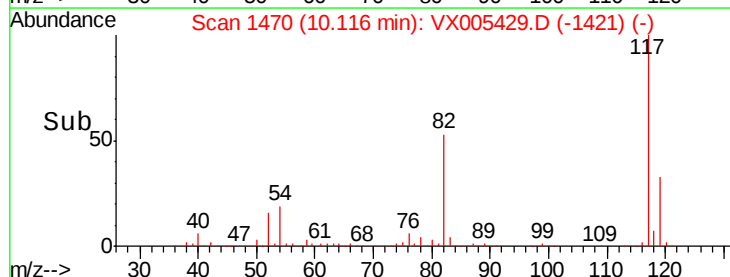
300000

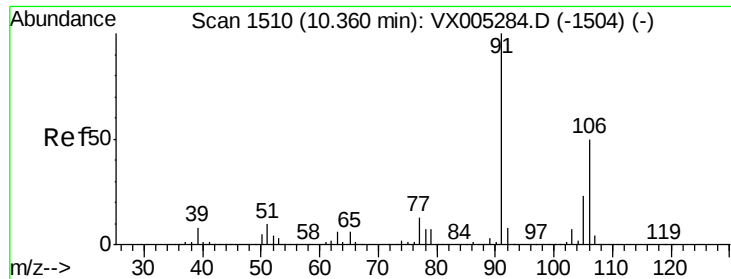
200000

100000

0

Time-->

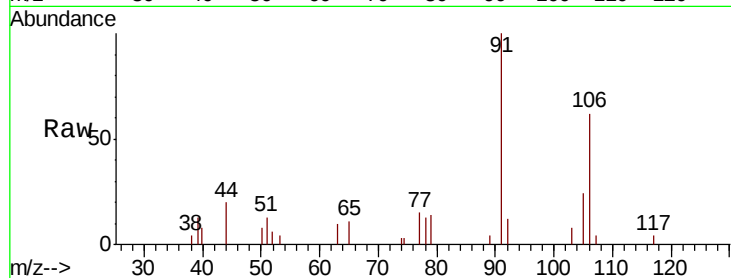




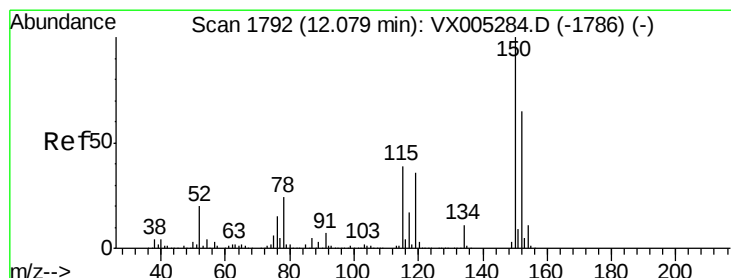
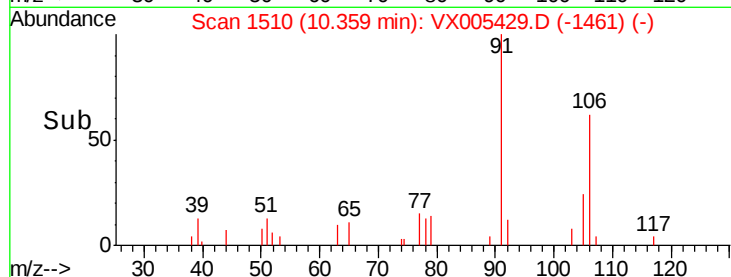
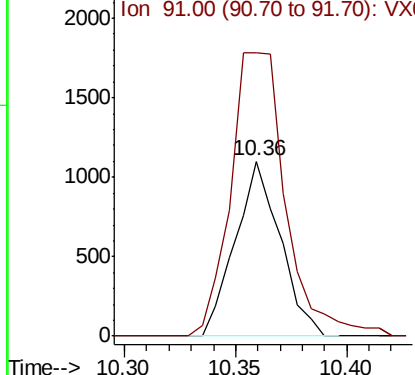
#68
m/p-Xvlenes
Concen: 0.285 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005429.D
Acq: 18 Oct 2018 14:50

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion:106 Resp: 1551
Ion Ratio Lower Upper
106 100
91 198.8 157.1 235.7

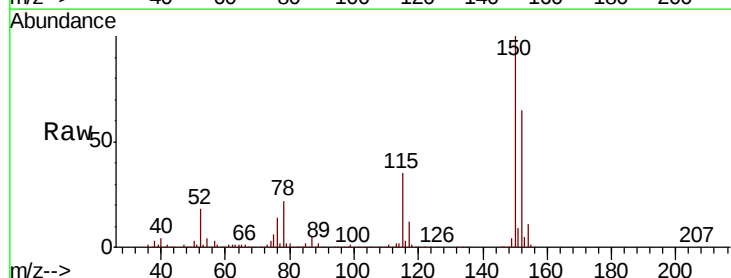


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

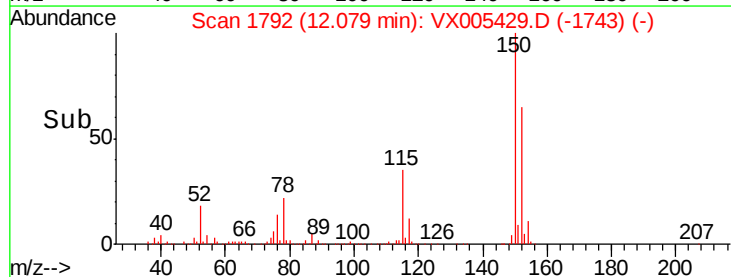
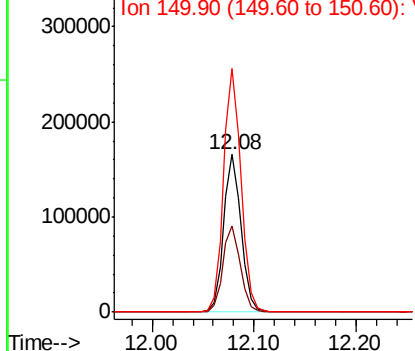


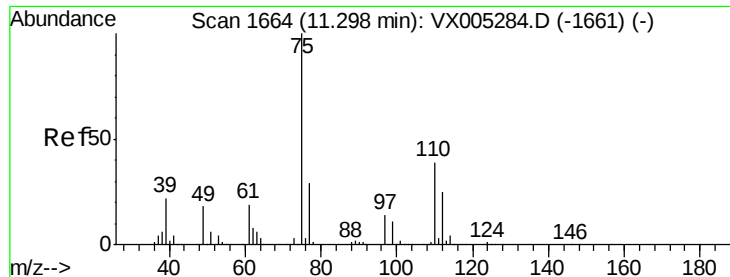
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005429.D
Acq: 18 Oct 2018 14:50

Tgt Ion:152 Resp: 196556
Ion Ratio Lower Upper
152 100
115 54.8 39.0 117.0
150 155.4 0.0 351.0



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





#76

1,2,3-Trichloropropane

Concen: 22.816 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005429.D

Acq: 18 Oct 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

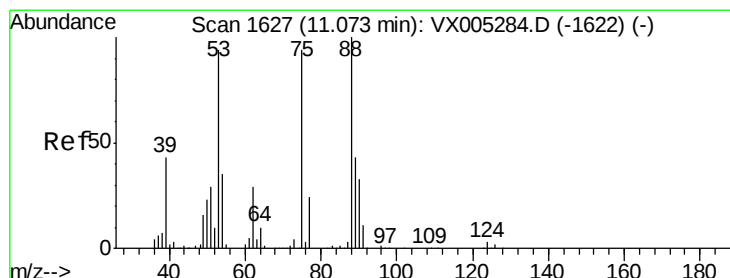
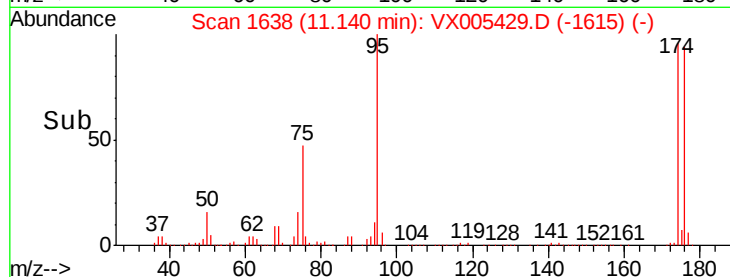
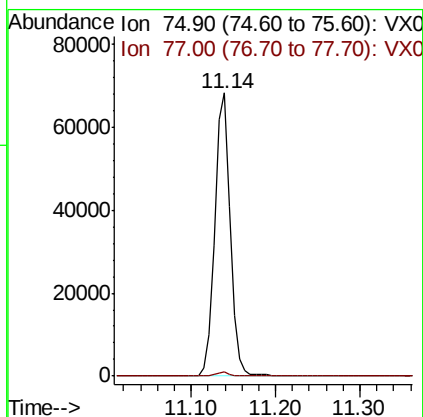
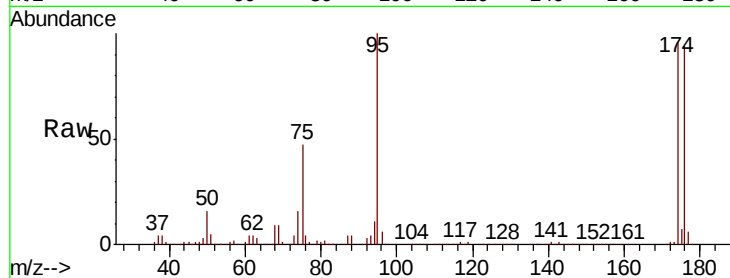
TRIP-BLANK

Tot Ion: 75 Resp: 86989

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.326 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005429.D

Acq: 18 Oct 2018 14:50

Tgt Ion: 75 Resp: 86989

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

