

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
 Data File : VX003827.D
 Acq On : 02 Aug 2018 16:04
 Operator : JC/MD
 Sample : J4279-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WE13-GW-TANK1-IDW-072918

Quant Time: Aug 03 03:21:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	21800	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	109657	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	102770	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	46716	29.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.30%
60) 4-Bromofluorobenzene	11.14	95	43376	26.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.37%
63) Toluene-d8	8.72	98	133251	28.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.93%

Target Compounds

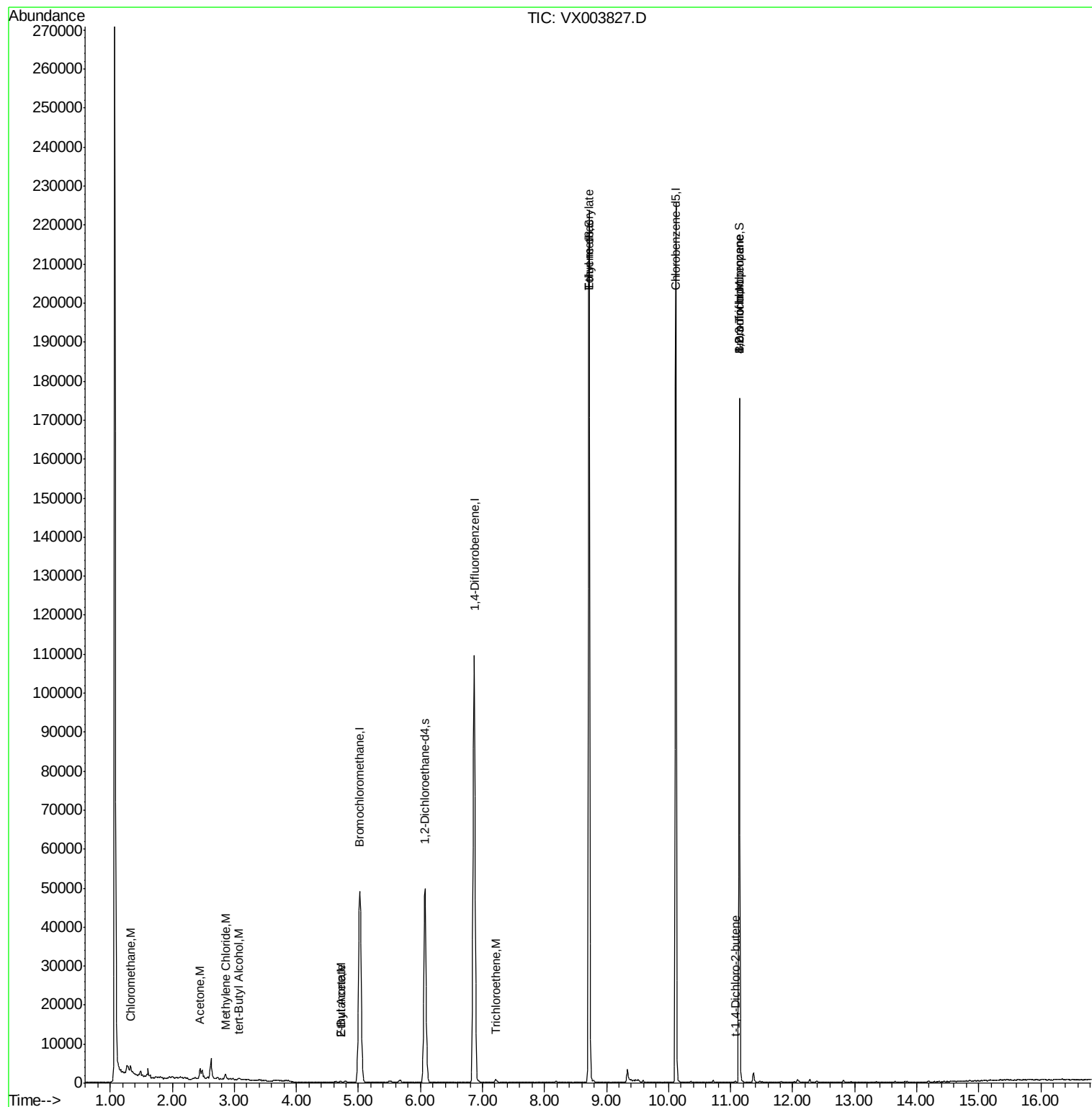
					Ovalue
3) Chloromethane	1.32	50	1350	0.87 ug/l	92
15) Acetone	2.45	58	815	3.30 ug/l #	62
18) Methylene Chloride	2.86	84	467	0.32 ug/l	98
23) tert-Butyl Alcohol	3.08	59	251	0.66 ug/l #	100
30) 2-Butanone	4.71	43	408	0.39 ug/l #	59
37) Trichloroethene	7.21	130	397	0.31 ug/l	97
43) Ethyl Acetate	4.71	43	408	0.21 ug/l	96
51) Ethyl methacrylate	8.73	69	416	0.20 ug/l	82
56) Bromoform	11.15	173	403	0.39 ug/l #	1
72) 1,2,3-Trichloropropane	11.14	75	21319	12.06 ug/l	41
77) t-1,4-Dichloro-2-butene	11.07	75	160	0.27 ug/l #	11

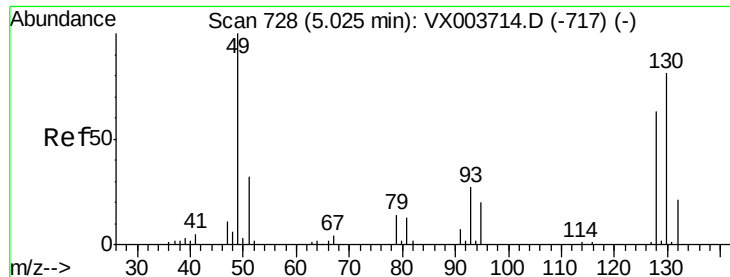
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WE13-GW-TANK1-IDW-072918

Quant Time: Aug 03 03:21:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 16:17:43 2018
Response via : Initial Calibration

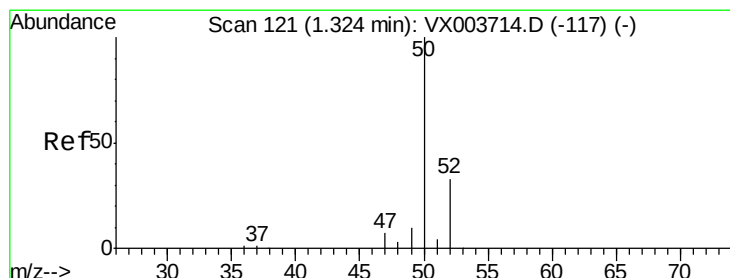
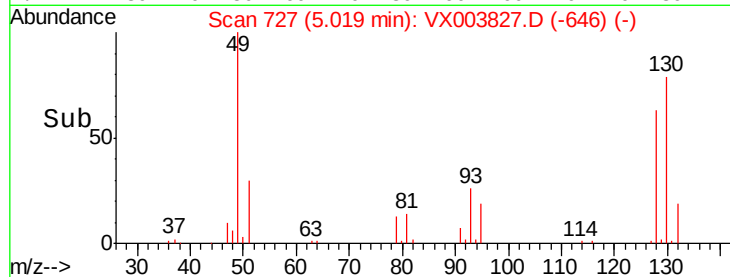
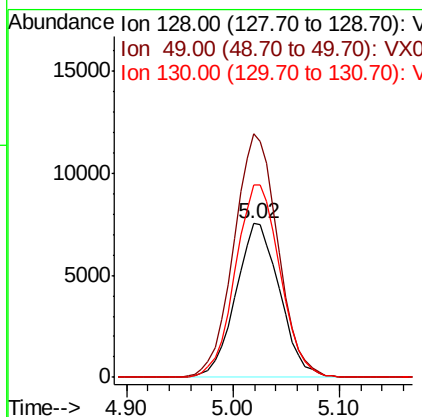
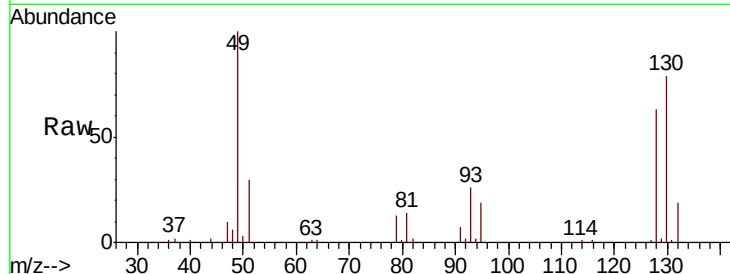




#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003827.D
 Acq: 02 Aug 2018 16:04

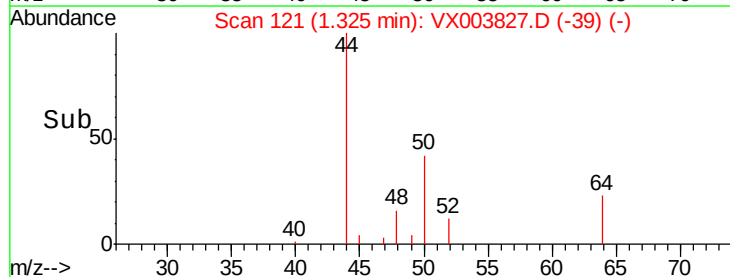
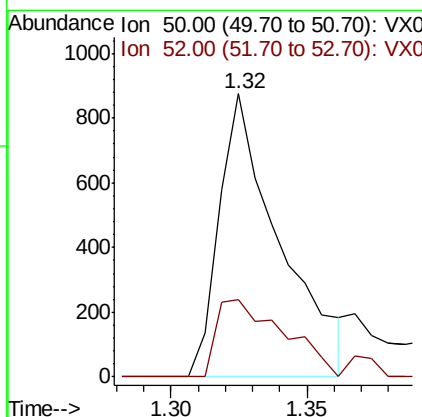
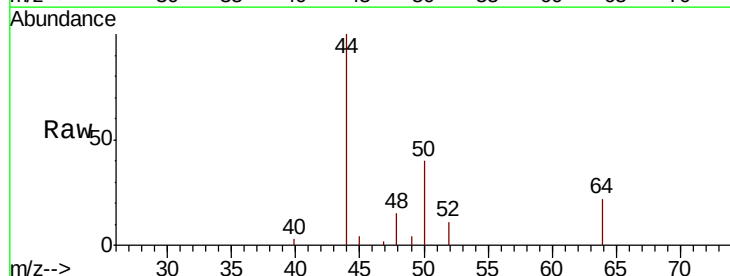
Instrument :
 MSVOA_X
 ClientSampleId :
 WE13-GW-TANK1-IDW-072918

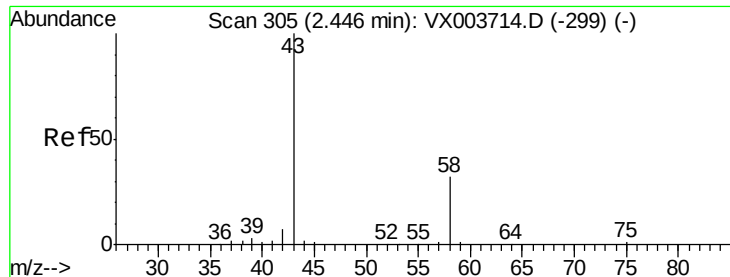
Tot Ion:128 Resp: 21800
 Ion Ratio Lower Upper
 128 100
 49 159.0 0.0 423.0
 130 127.7 0.0 324.3



#3
 Chloromethane
 Concen: 0.87 ug/l
 RT: 1.32 min Scan# 121
 Delta R.T. 0.00 min
 Lab File: VX003827.D
 Acq: 02 Aug 2018 16:04

Tgt Ion: 50 Resp: 1350
 Ion Ratio Lower Upper
 50 100
 52 27.3 25.6 38.4





#15

Acetone

Concen: 3.30 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003827.D

Acq: 02 Aug 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

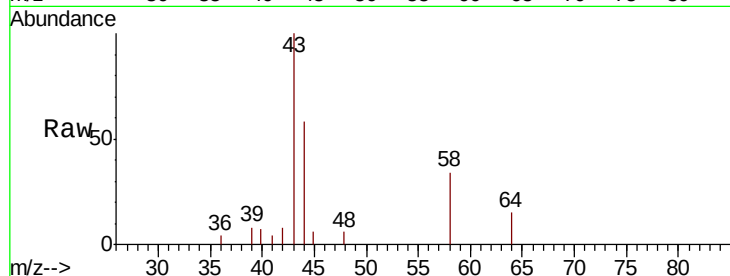
WE13-GW-TANK1-IDW-072918

Tot Ion: 58 Resp: 815

Ion Ratio Lower Upper

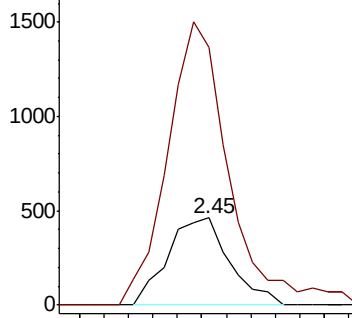
58 100

43 266.7 278.8 418.2#

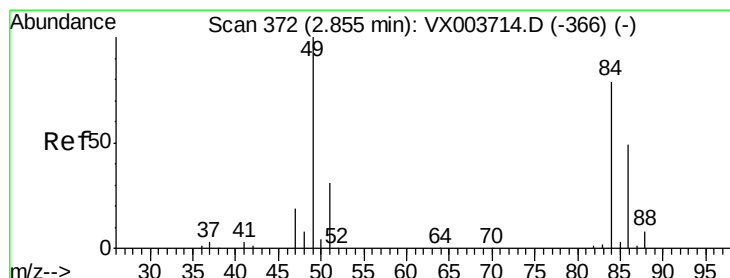
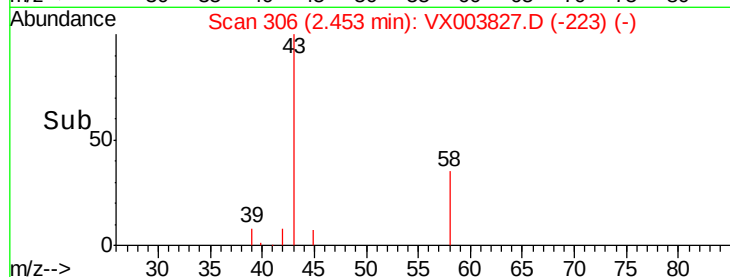


Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



Time-->



#18

Methylene Chloride

Concen: 0.32 ug/l

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003827.D

Acq: 02 Aug 2018 16:04

Tgt Ion: 84 Resp: 467

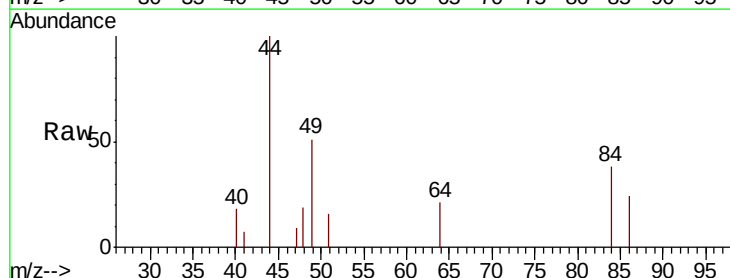
Ion Ratio Lower Upper

84 100

49 132.6 104.7 157.1

51 42.5 31.0 46.4

86 62.5 50.8 76.2

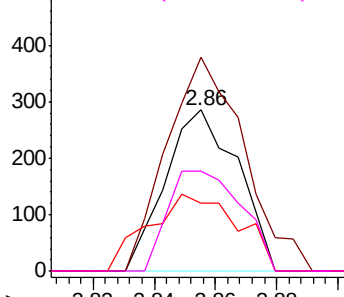


Abundance Ion 84.00 (83.70 to 84.70): VX0

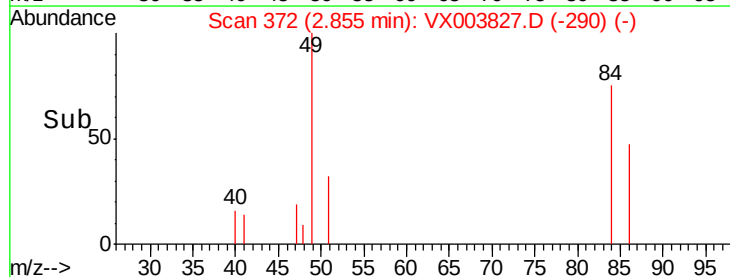
Ion 49.00 (48.70 to 49.70): VX0

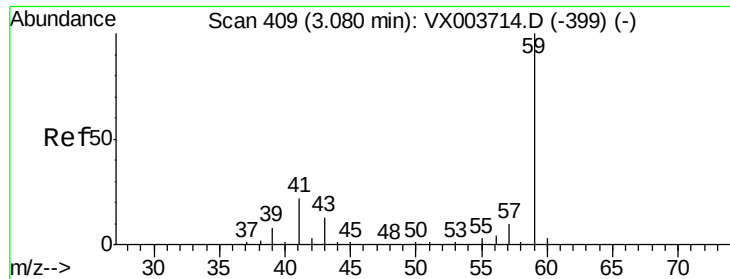
Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->





#23

tert-Butyl Alcohol

Concen: 0.66 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX003827.D

Acq: 02 Aug 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

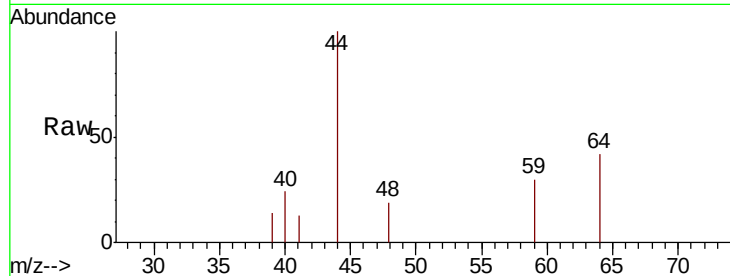
WE13-GW-TANK1-IDW-072918

Tot Ion: 59 Resp: 251

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

3.08

150

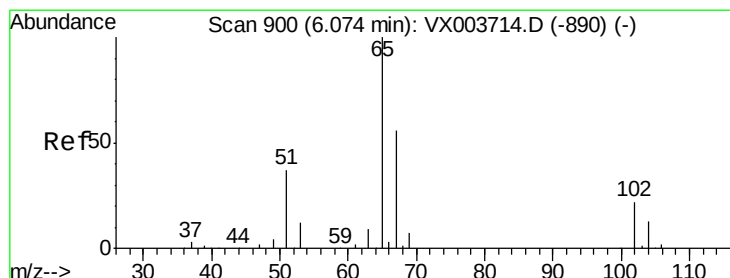
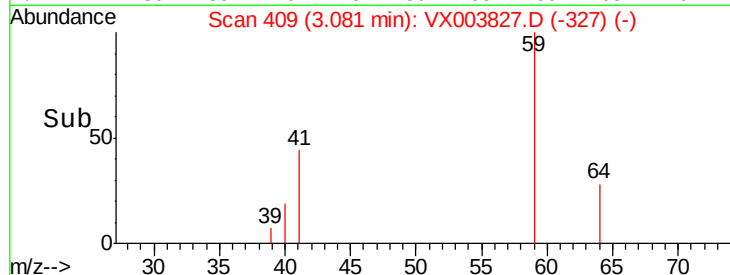
100

50

0

3.04 3.06 3.08 3.10

Time-->



#27

1,2-Dichloroethane-d4

Concen: 29.19 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003827.D

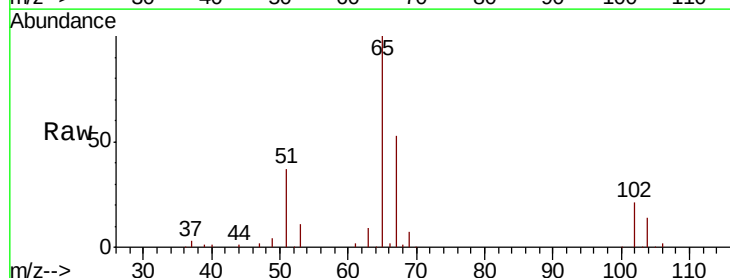
Acq: 02 Aug 2018 16:04

Tgt Ion: 65 Resp: 46716

Ion Ratio Lower Upper

65 100

67 53.2 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.07

20000

15000

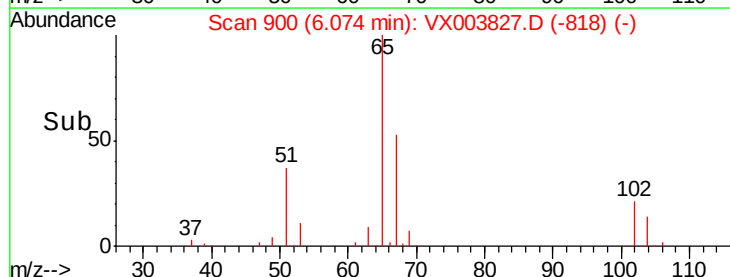
10000

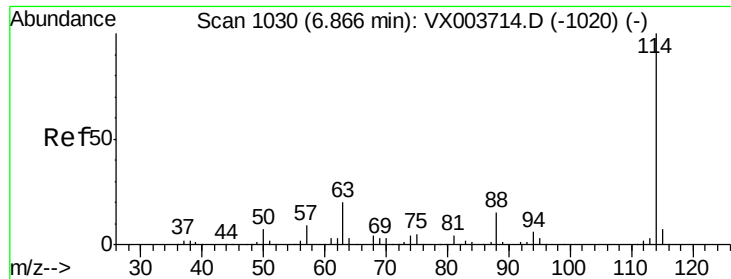
5000

0

6.00 6.10 6.20

Time-->

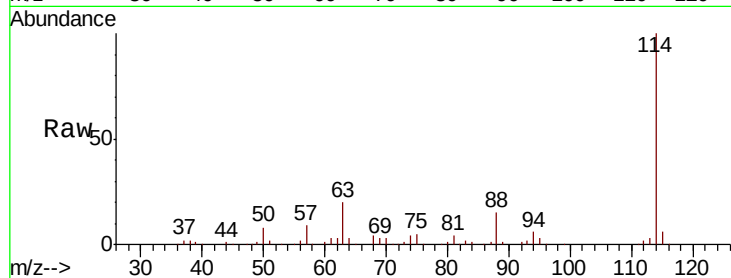




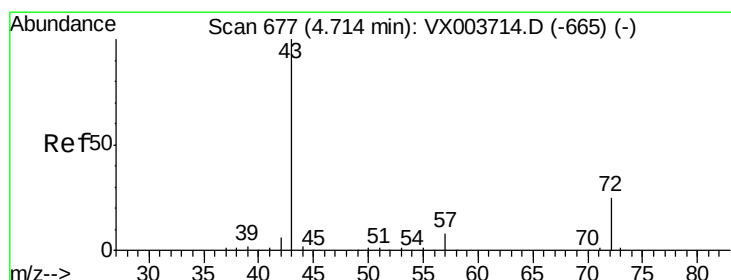
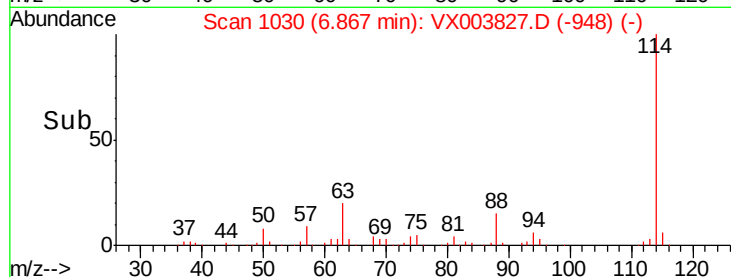
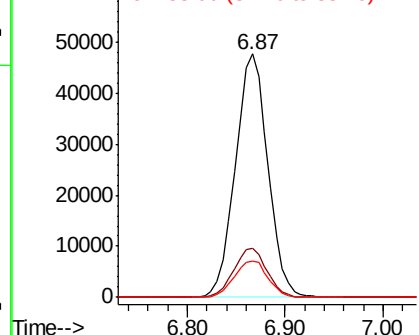
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003827.D
 Acq: 02 Aug 2018 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 WE13-GW-TANK1-IDW-072918

Tot Ion:114 Resp: 109657
 Ion Ratio Lower Upper
 114 100
 63 20.5 17.1 25.7
 88 15.5 12.6 19.0

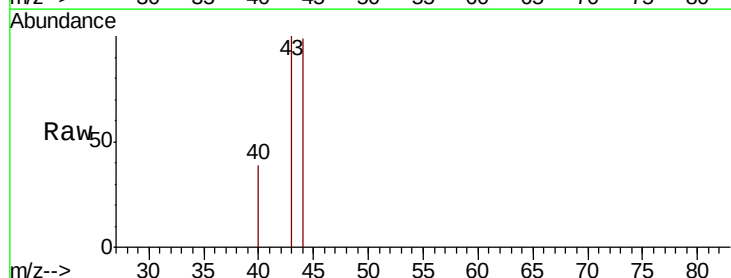


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 88.00 (87.70 to 88.70): VX0

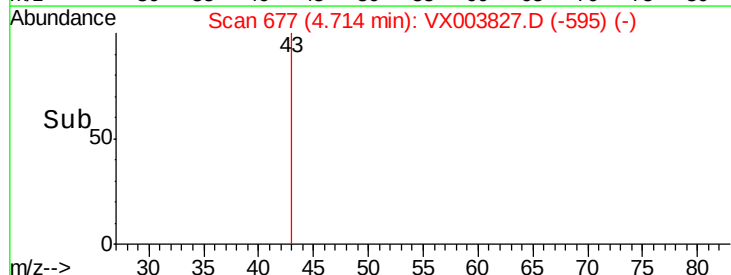
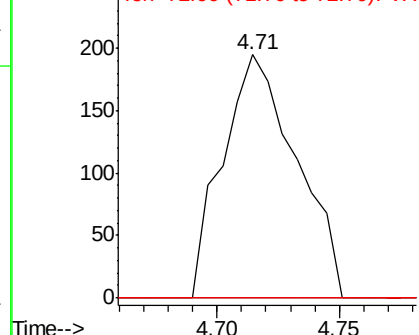


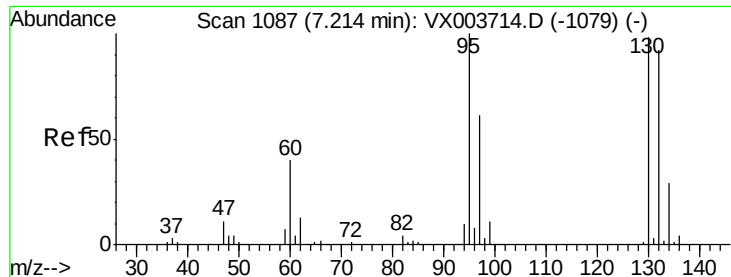
#30
 2-Butanone
 Concen: 0.39 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VX003827.D
 Acq: 02 Aug 2018 16:04

Tgt Ion: 43 Resp: 408
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.1 9.1#
 72 0.0 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0

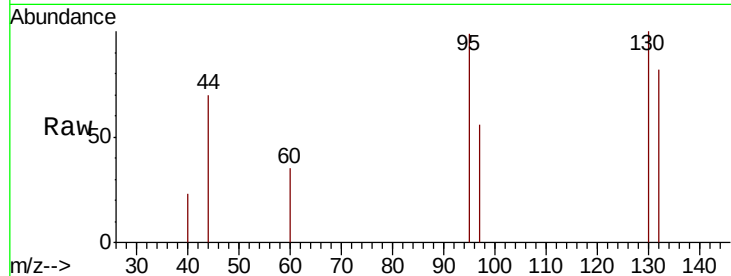




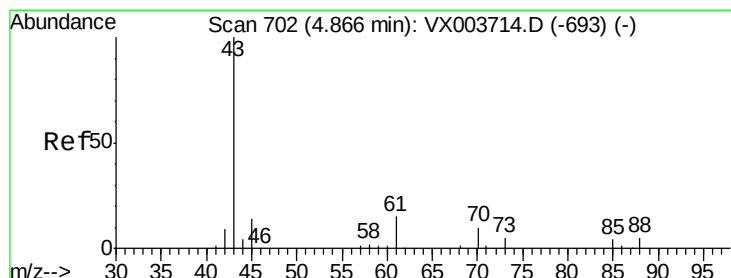
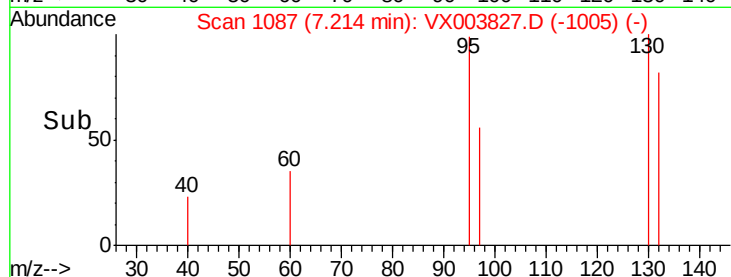
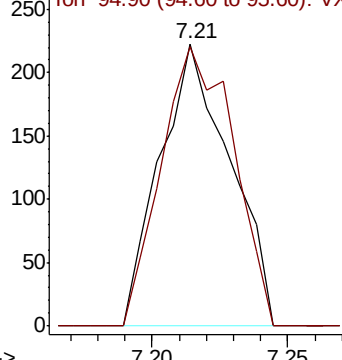
#37
 Trichloroethene
 Concen: 0.31 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003827.D
 Acq: 02 Aug 2018 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 WE13-GW-TANK1-IDW-072918

Tot Ion:130 Resp: 397
 Ion Ratio Lower Upper
 130 100
 95 99.1 81.5 122.3

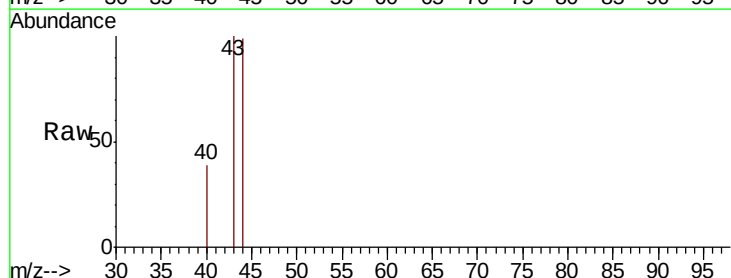


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

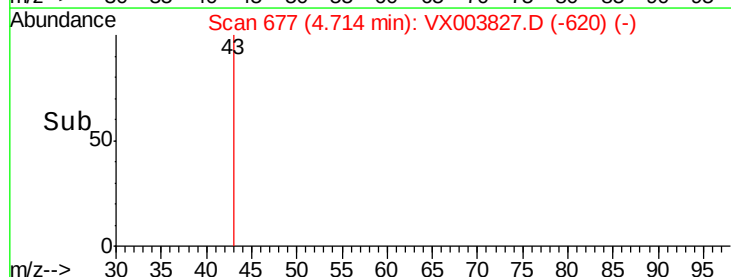
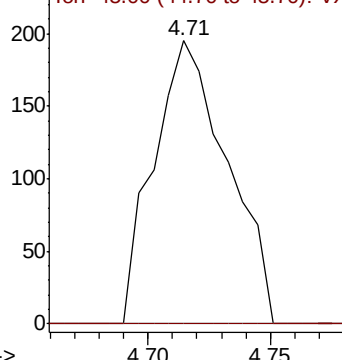


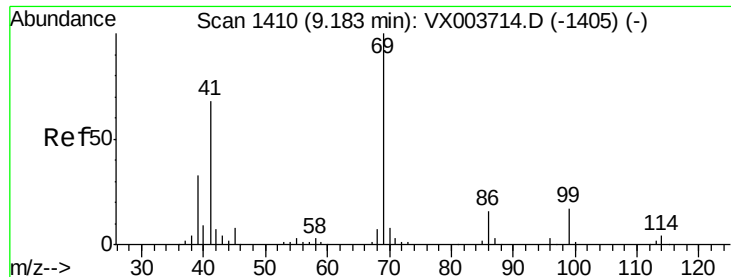
#43
 Ethyl Acetate
 Concen: 0.21 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.15 min
 Lab File: VX003827.D
 Acq: 02 Aug 2018 16:04

Tgt Ion: 43 Resp: 408
 Ion Ratio Lower Upper
 43 100
 45 15.4 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#51

Ethyl methacrylate

Concen: 0.20 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.46 min

Lab File: VX003827.D

Acq: 02 Aug 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

WE13-GW-TANK1-IDW-072918

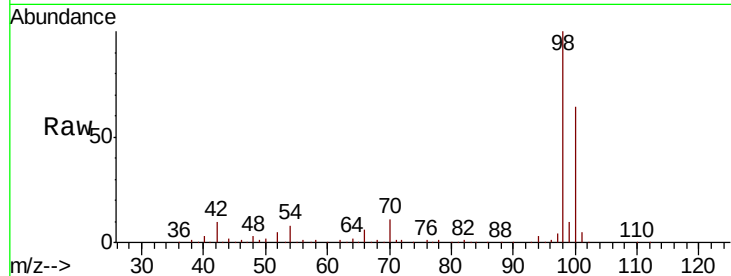
Tot Ion: 69 Resp: 416

Ion Ratio Lower Upper

69 100

41 98.7 39.1 117.3

39 37.7 21.7 65.1

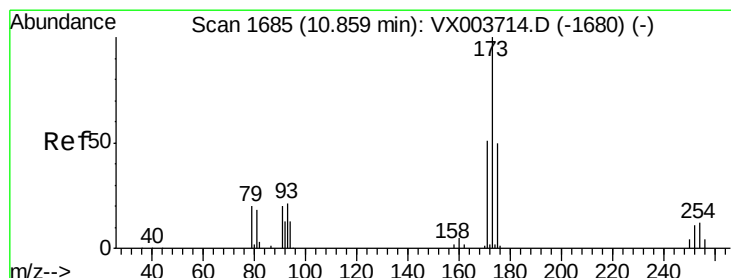
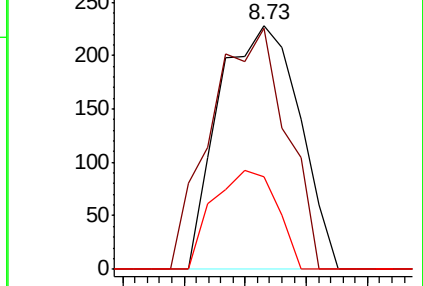
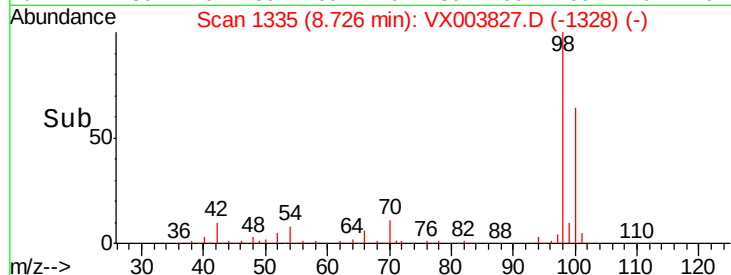


Abundance Ion 69.00 (68.70 to 69.70): VX003827.D (-1328) (-)

Ion 41.00 (40.70 to 41.70): VX003827.D (-1328) (-)

Ion 39.00 (38.70 to 39.70): VX003827.D (-1328) (-)

Time-->



#56

Bromoform

Concen: 0.39 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.29 min

Lab File: VX003827.D

Acq: 02 Aug 2018 16:04

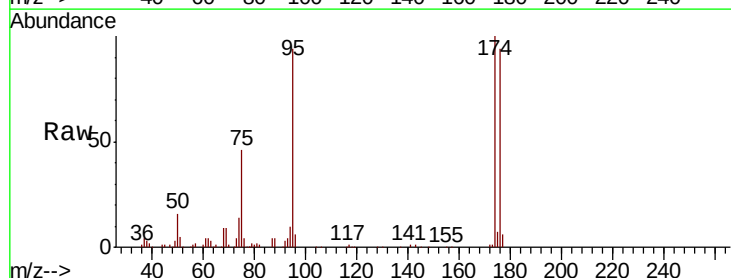
Tgt Ion: 173 Resp: 403

Ion Ratio Lower Upper

173 100

175 732.5 39.0 58.4#

254 0.0 9.6 14.4#

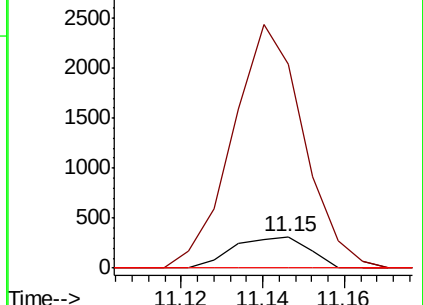
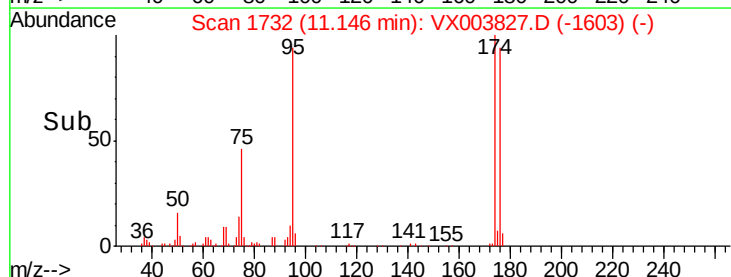


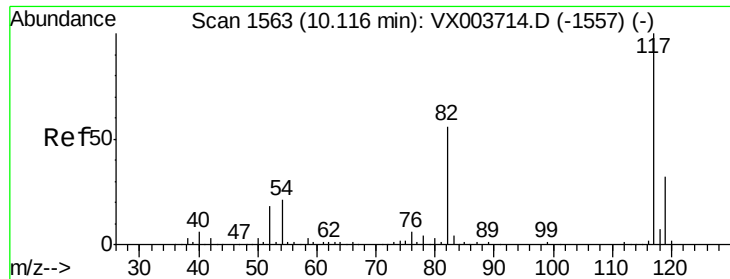
Abundance Ion 173.00 (172.70 to 173.70): VX003827.D (-1603) (-)

Ion 175.00 (174.70 to 175.70): VX003827.D (-1603) (-)

Ion 254.00 (253.70 to 254.70): VX003827.D (-1603) (-)

Time-->

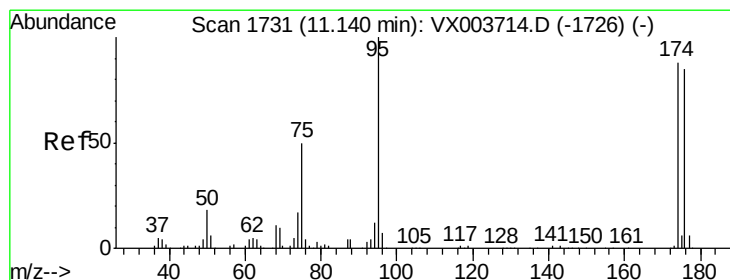
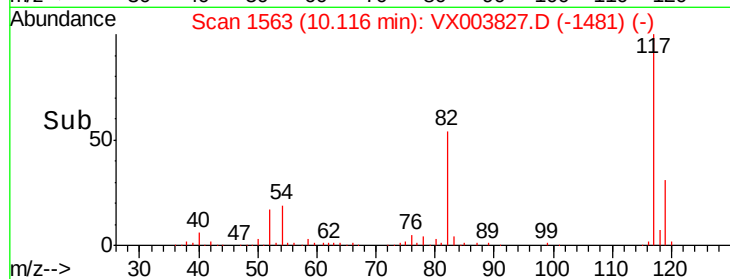
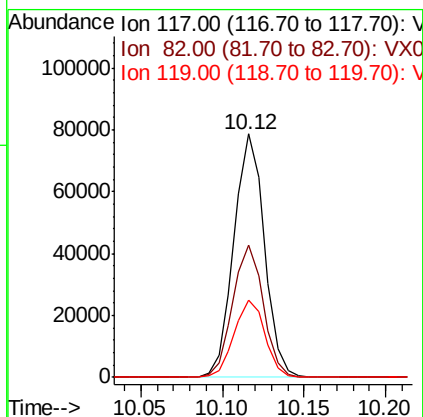
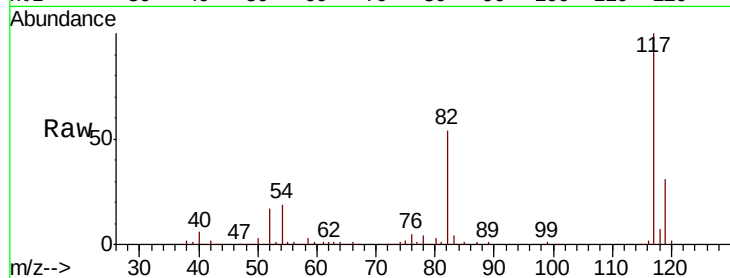




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003827.D
Acq: 02 Aug 2018 16:04

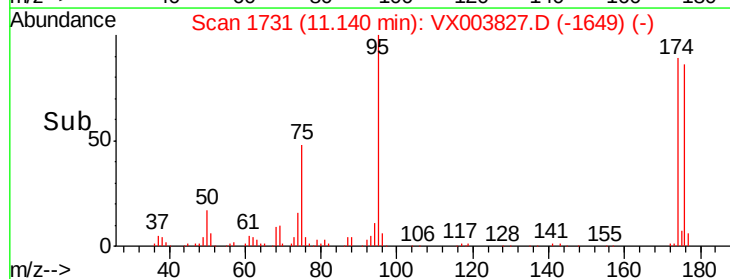
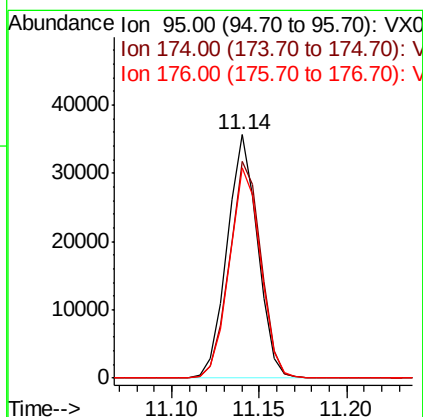
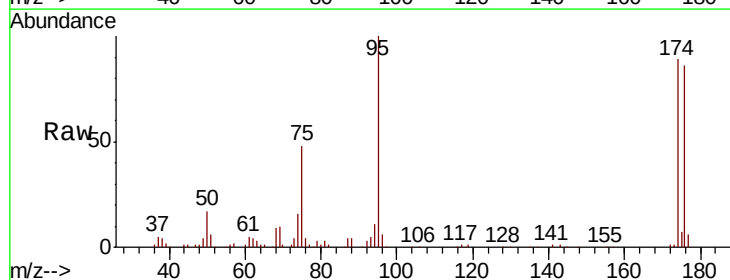
Instrument :
MSVOA_X
ClientSampleId :
WE13-GW-TANK1-IDW-072918

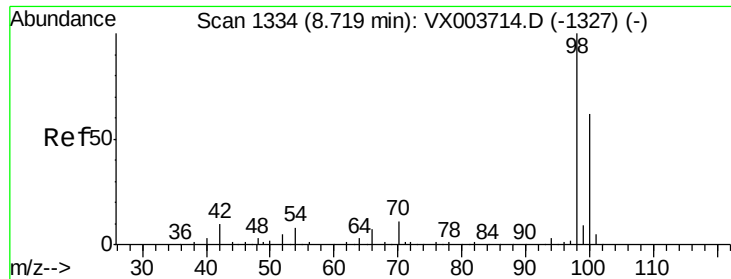
Tot Ion:117 Resp: 102770
Ion Ratio Lower Upper
117 100
82 54.5 44.3 66.5
119 31.9 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 26.21 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003827.D
Acq: 02 Aug 2018 16:04

Tgt Ion: 95 Resp: 43376
Ion Ratio Lower Upper
95 100
174 92.1 71.8 107.6
176 88.6 70.1 105.1

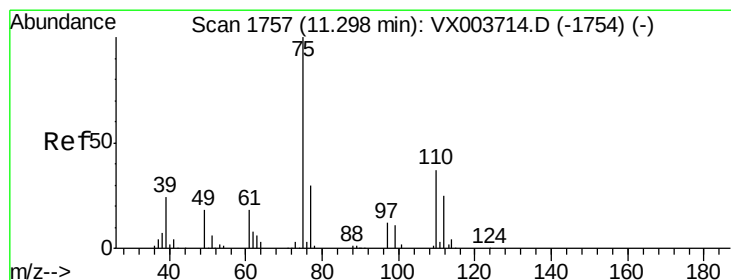
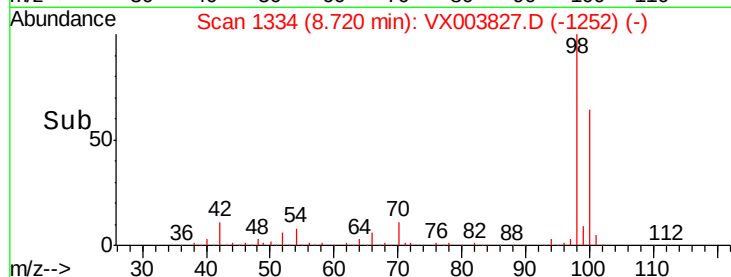
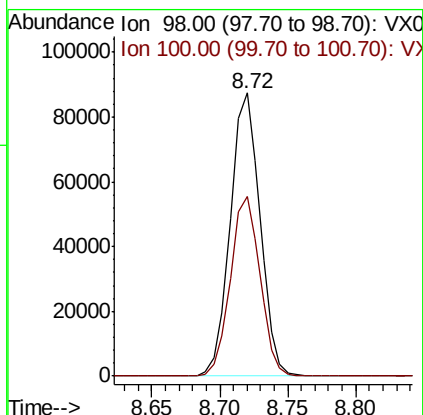
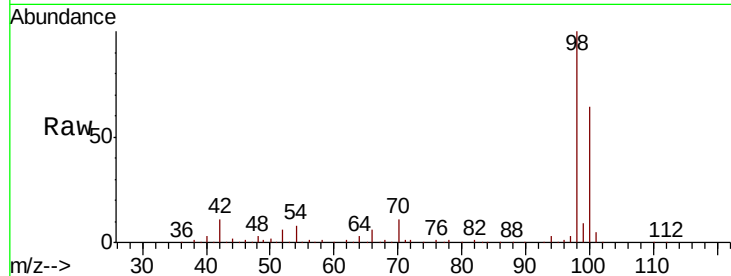




#63
Toluene-d8
Concen: 28.78 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003827.D
Acq: 02 Aug 2018 16:04

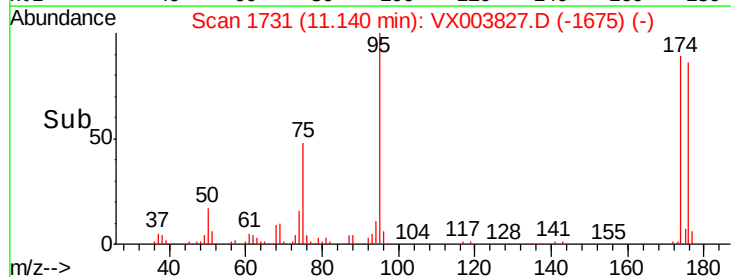
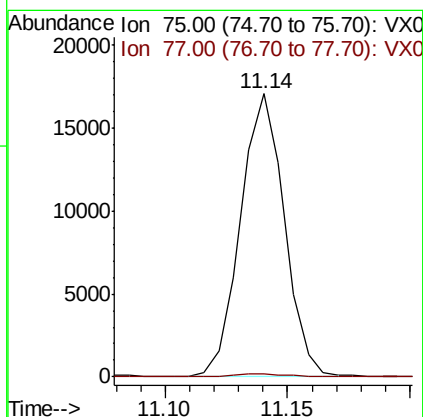
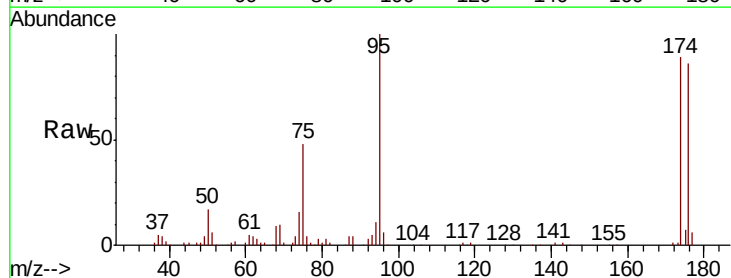
Instrument :
MSVOA_X
ClientSampleId :
WE13-GW-TANK1-IDW-072918

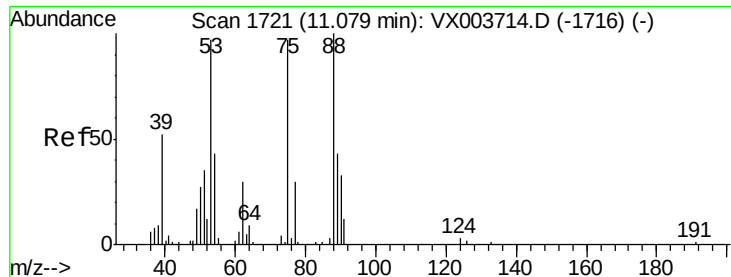
Tot Ion: 98 Resp: 133251
Ion Ratio Lower Upper
98 100
100 63.3 50.8 76.2



#72
1,2,3-Trichloropropane
Concen: 12.06 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX003827.D
Acq: 02 Aug 2018 16:04

Tgt Ion: 75 Resp: 21319
Ion Ratio Lower Upper
75 100
77 1.2 0.0 71.8





#77
t-1,4-Dichloro-2-butene
Concen: 0.27 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX003827.D
Acq: 02 Aug 2018 16:04

Instrument :
MSVOA_X
ClientSampleId :
WE13-GW-TANK1-IDW-072918

Tot Ion: 75 Resp: 160
Ion Ratio Lower Upper
75 100
53 0.0 48.3 144.9#
89 0.0 21.8 65.4#

