

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
 Data File : VX003826.D
 Acq On : 02 Aug 2018 15:38
 Operator : JC/MD
 Sample : J4279-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WE13-GW-TANK2-IDW-072918

Quant Time: Aug 03 03:21:19 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	5.03	128	21870	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	112849	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	104593	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	47813	29.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.27%
60) 4-Bromofluorobenzene	11.14	95	44246	26.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.57%
63) Toluene-d8	8.72	98	135339	28.72	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.73%

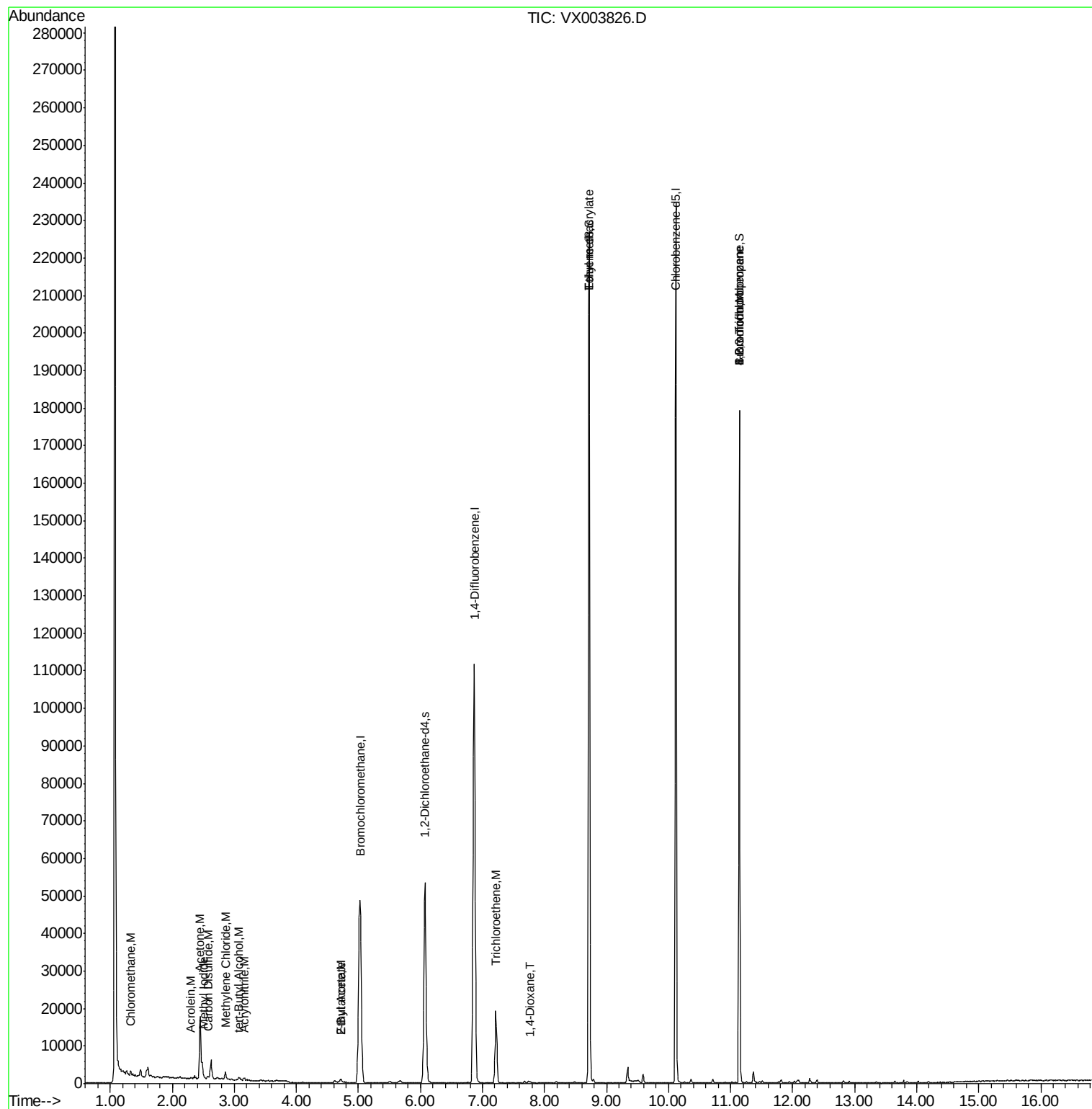
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.32	50	1375	0.88	ug/l	89
11) Methyl Iodide	2.51	142	380	0.22	ug/l #	71
13) Acrolein	2.30	56	110	0.61	ug/l	92
14) Acrylonitrile	3.15	53	184	0.20	ug/l #	24
15) Acetone	2.45	58	5732	23.11	ug/l	83
16) Carbon Disulfide	2.57	76	966	0.28	ug/l #	91
18) Methylene Chloride	2.86	84	745	0.50	ug/l #	79
23) tert-Butyl Alcohol	3.07	59	834	2.17	ug/l #	83
30) 2-Butanone	4.71	43	1906	1.79	ug/l #	80
37) Trichloroethene	7.22	130	7808	5.85	ug/l	88
43) Ethyl Acetate	4.71	43	1906	0.96	ug/l #	66
45) 1,4-Dioxane	7.77	88	122	3.60	ug/l #	79
51) Ethyl methacrylate	8.73	69	453	0.22	ug/l	92
56) Bromoform	11.14	173	449	0.42	ug/l #	1
72) 1,2,3-Trichloropropane	11.14	75	21577	11.99	ug/l	41

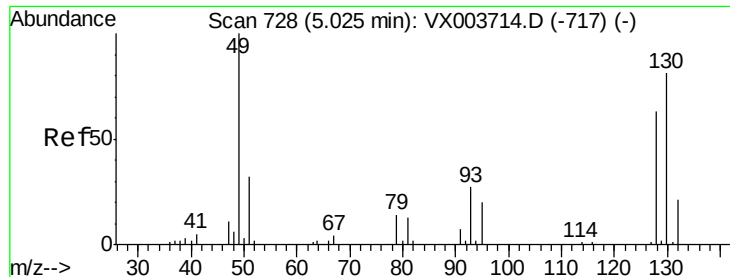
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 03 03:21:19 2018
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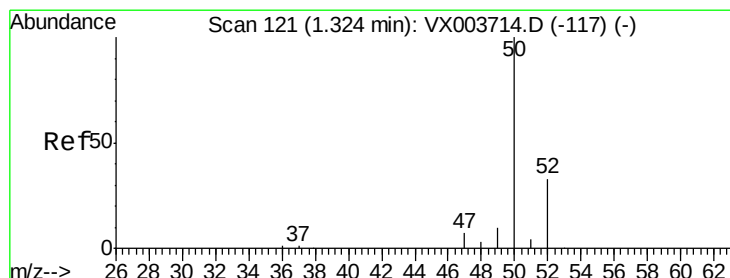
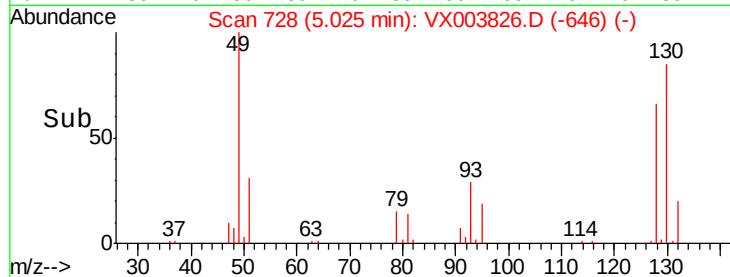
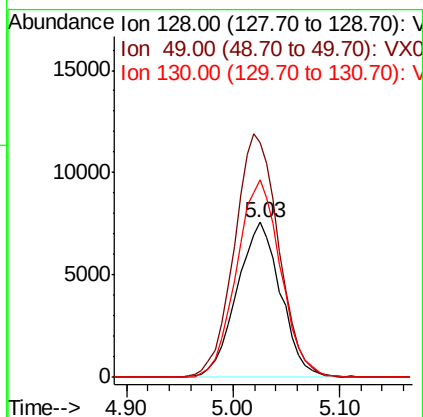
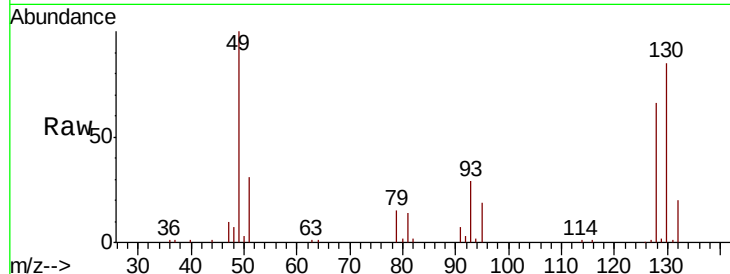




#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX003826.D
 Acq: 02 Aug 2018 15:38

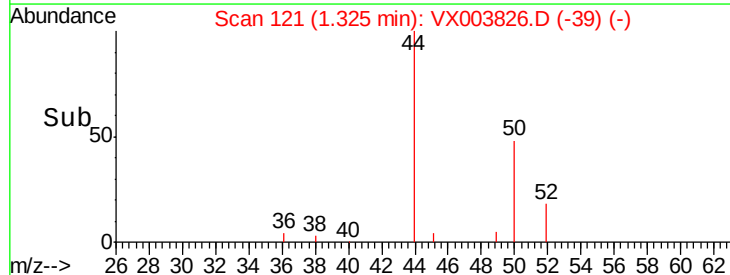
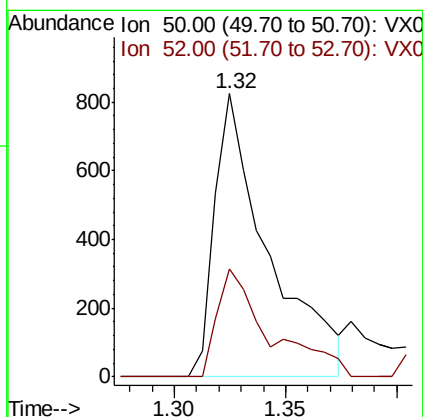
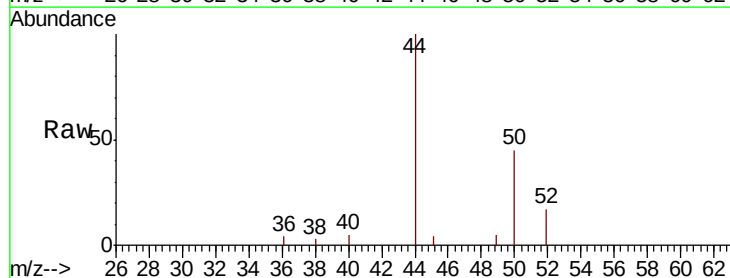
Instrument :
 MSVOA_X
 ClientSampleId :
 WE13-GW-TANK2-IDW-072918

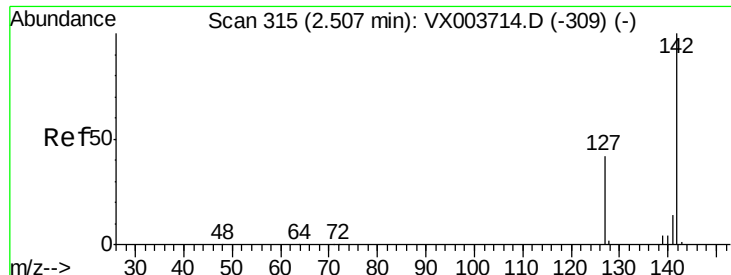
Tot Ion:128 Resp: 21870
 Ion Ratio Lower Upper
 128 100
 49 158.6 0.0 423.0
 130 128.6 0.0 324.3



#3
 Chloromethane
 Concen: 0.88 ug/l
 RT: 1.32 min Scan# 121
 Delta R.T. 0.00 min
 Lab File: VX003826.D
 Acq: 02 Aug 2018 15:38

Tgt Ion: 50 Resp: 1375
 Ion Ratio Lower Upper
 50 100
 52 38.0 25.6 38.4

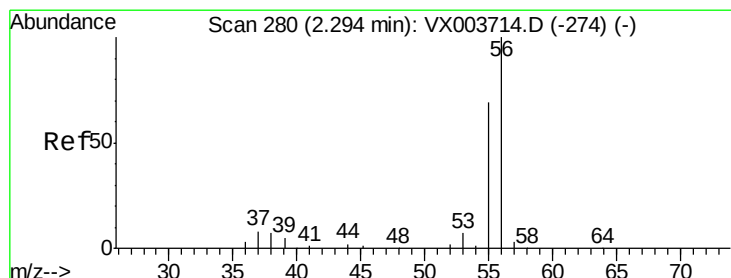
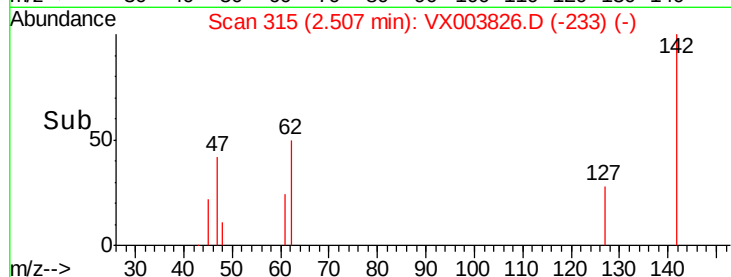
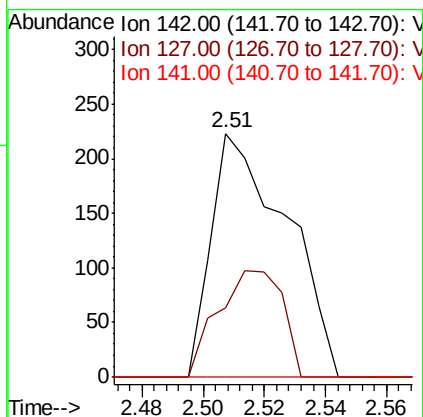
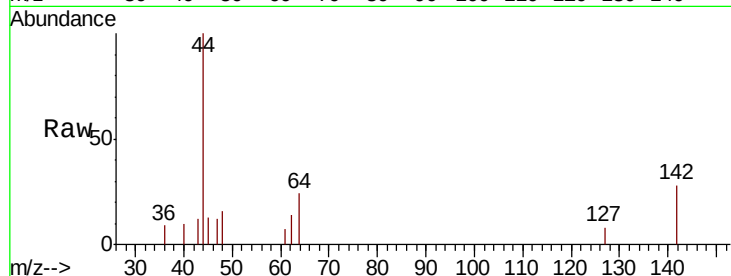




#11
Methvl Iodide
Concen: 0.22 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003826.D
Acq: 02 Aug 2018 15:38

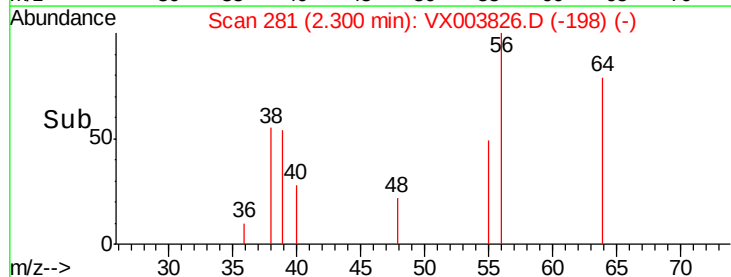
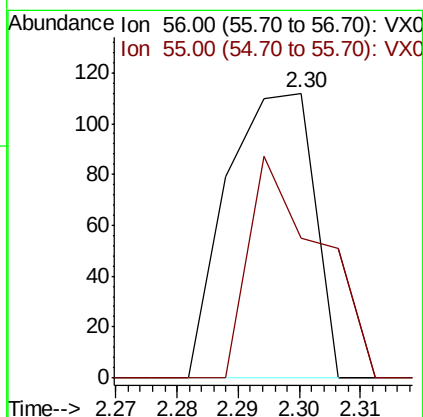
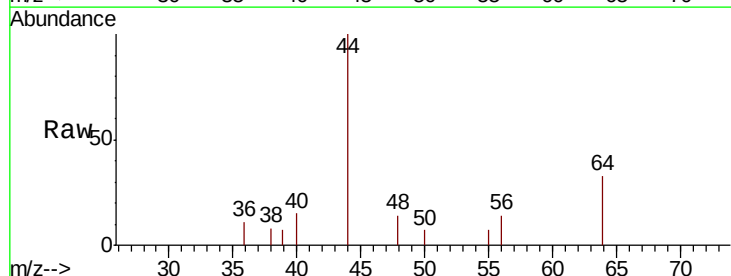
Instrument :
MSVOA_X
ClientSampleId :
WE13-GW-TANK2-IDW-072918

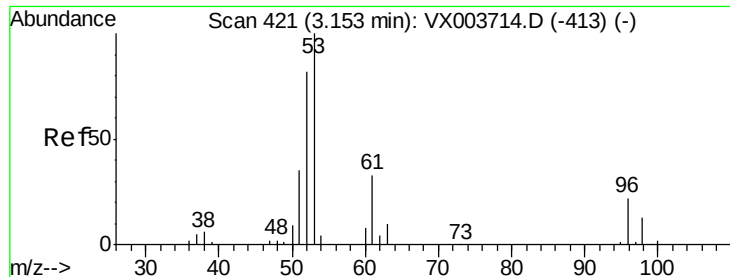
Tot Ion:142 Resp: 380
Ion Ratio Lower Upper
142 100
127 28.3 23.2 69.6
141 0.0 7.4 22.2#



#13
Acrolein
Concen: 0.61 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003826.D
Acq: 02 Aug 2018 15:38

Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 64.5 57.3 85.9





#14

Acrylonitrile

Concen: 0.20 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003826.D

Acq: 02 Aug 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

WE13-GW-TANK2-IDW-072918

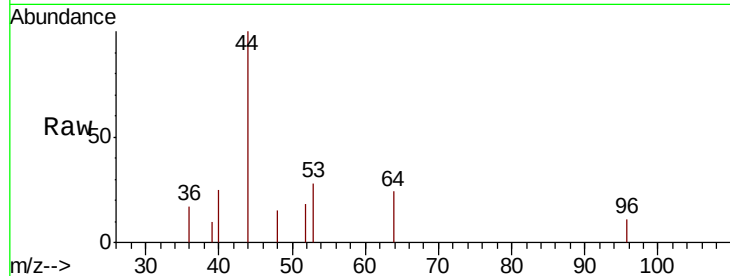
Tot Ion: 53 Resp: 184

Ion Ratio Lower Upper

53 100

52 0.0 41.5 124.6#

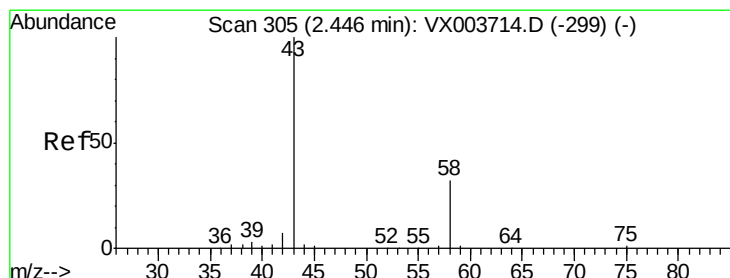
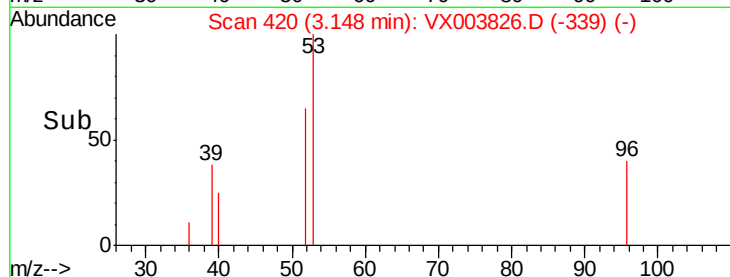
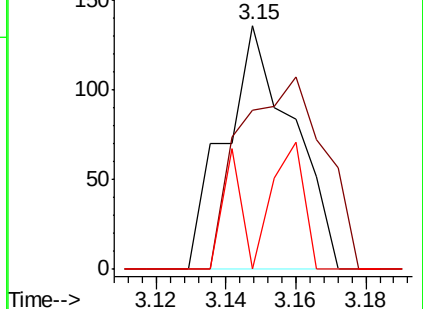
51 13.6 17.9 53.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#15

Acetone

Concen: 23.11 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003826.D

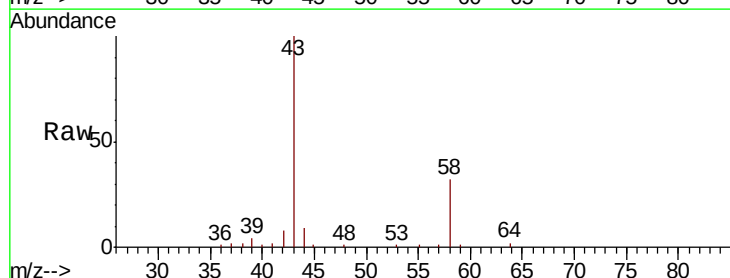
Acq: 02 Aug 2018 15:38

Tgt Ion: 58 Resp: 5732

Ion Ratio Lower Upper

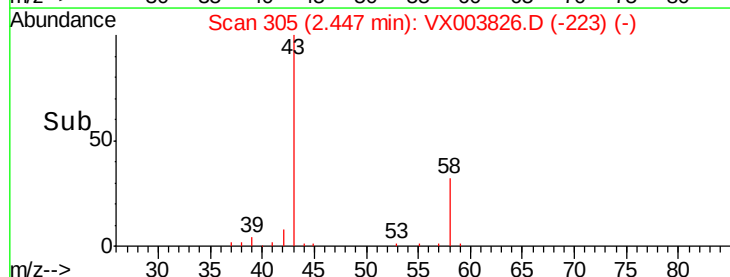
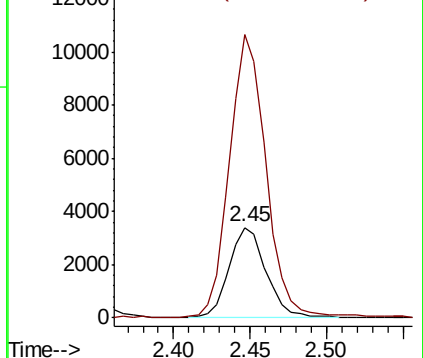
58 100

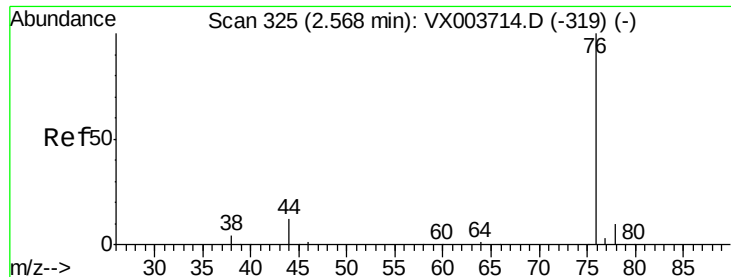
43 311.1 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

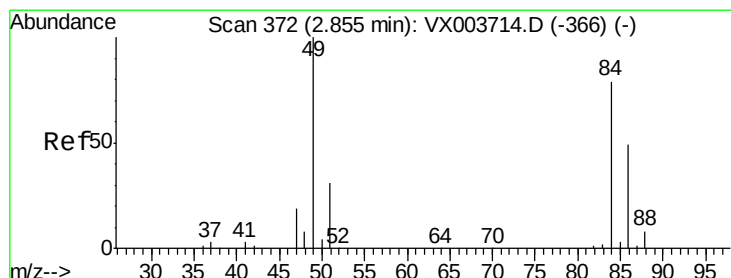
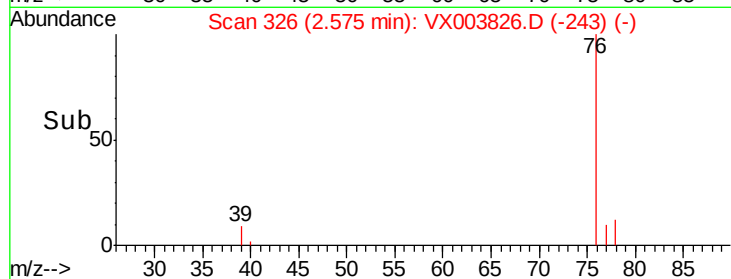
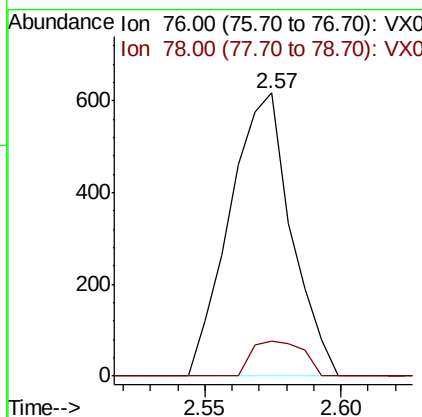
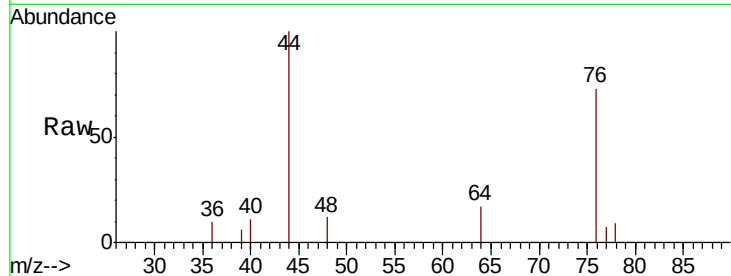




#16
Carbon Disulfide
Concen: 0.28 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX003826.D
Acq: 02 Aug 2018 15:38

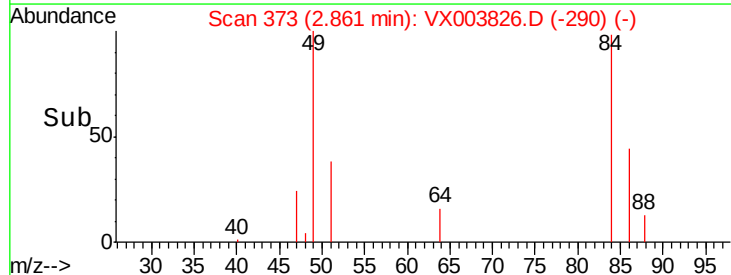
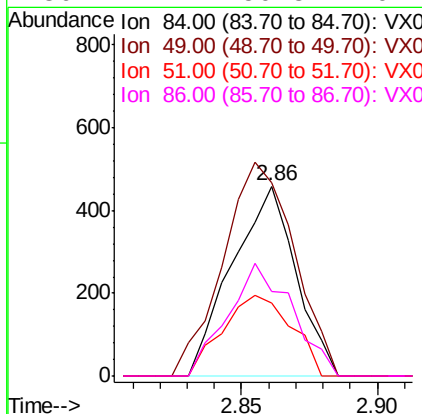
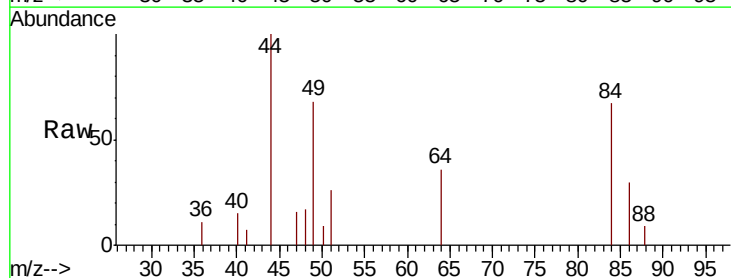
Instrument :
MSVOA_X
ClientSampleId :
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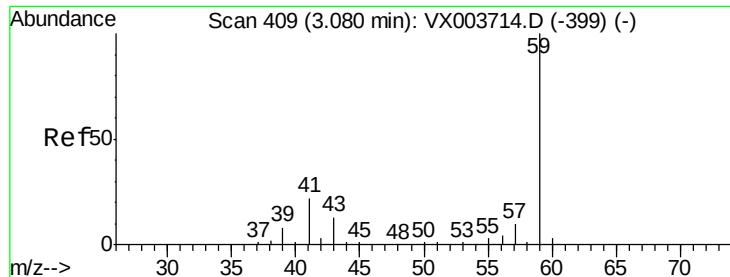
Tot Ion: 76 Resp: 966
Ion Ratio Lower Upper
76 100
78 12.3 7.4 11.0#



#18
Methylene Chloride
Concen: 0.50 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003826.D
Acq: 02 Aug 2018 15:38

Tgt Ion: 84 Resp: 745
Ion Ratio Lower Upper
84 100
49 102.0 104.7 157.1#
51 38.8 31.0 46.4
86 44.4 50.8 76.2#

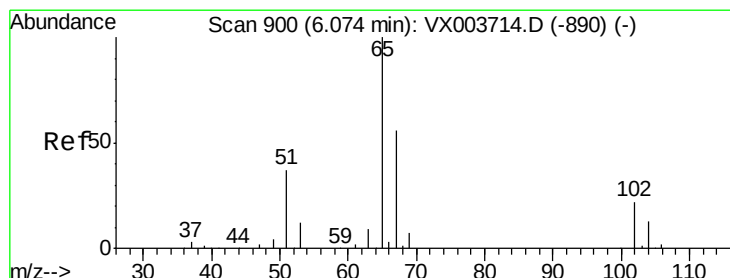
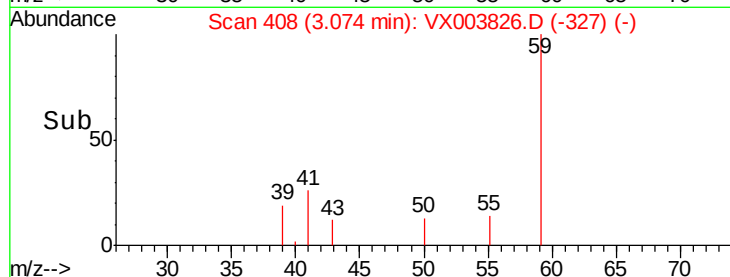
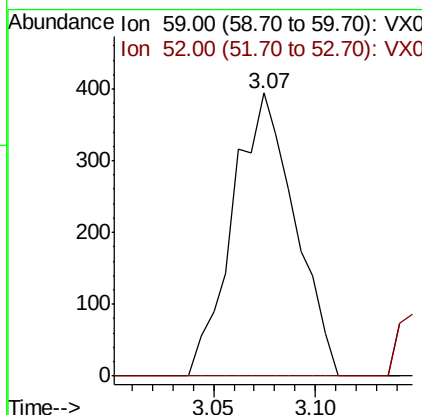
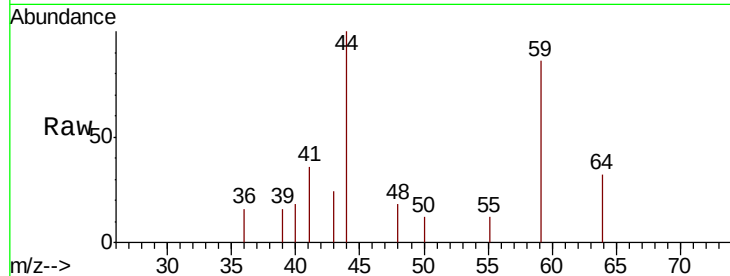




#23
 tert-Butyl Alcohol
 Concen: 2.17 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003826.D
 Acq: 02 Aug 2018 15:38

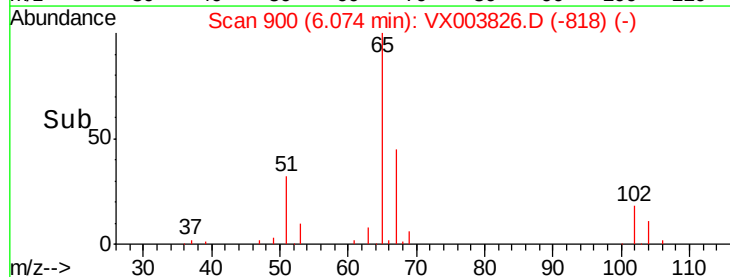
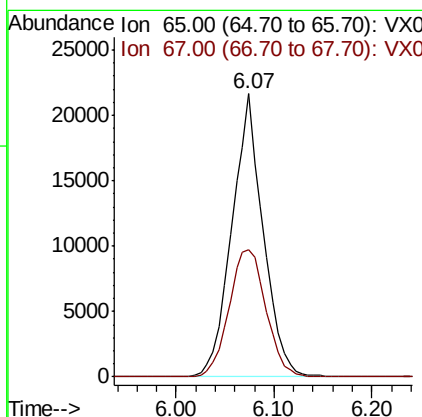
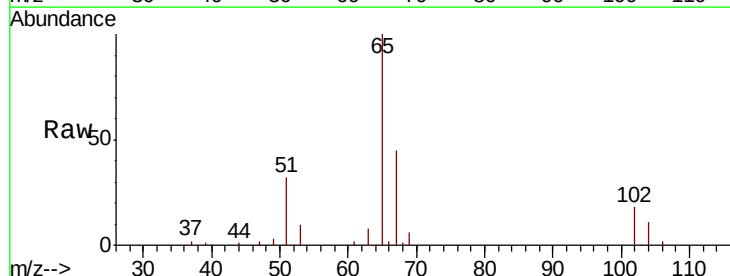
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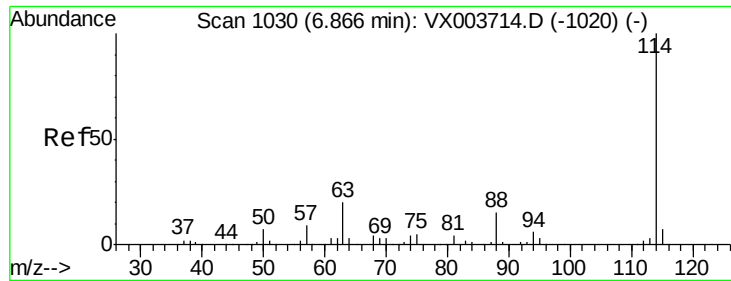
Tot Ion: 59 Resp: 834
 Ion Ratio Lower Upper
 59 100
 52 21.5 0.2 0.2#



#27
 1,2-Dichloroethane-d4
 Concen: 29.78 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003826.D
 Acq: 02 Aug 2018 15:38

Tgt Ion: 65 Resp: 47813
 Ion Ratio Lower Upper
 65 100
 67 52.9 40.9 61.3

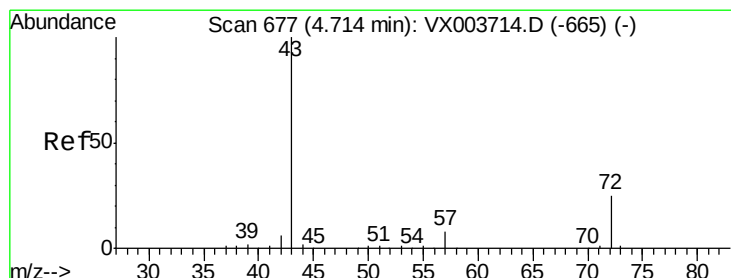
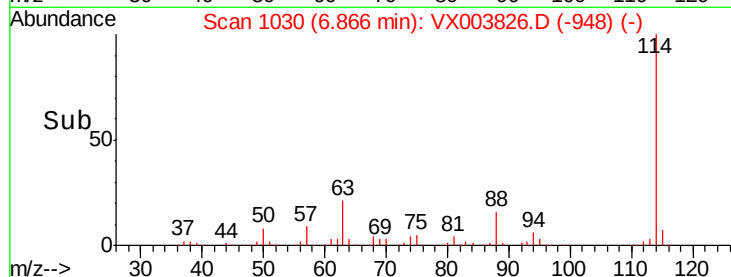
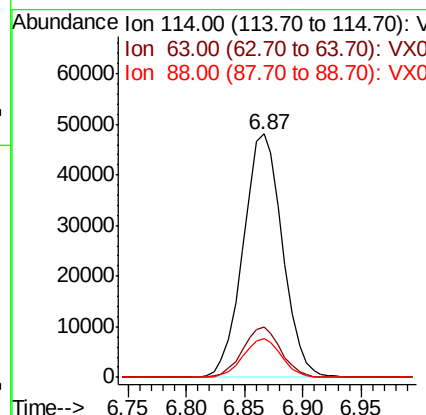
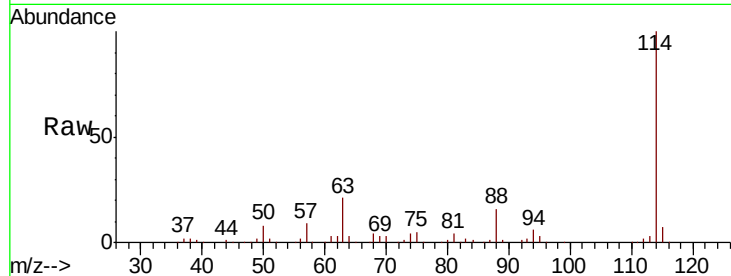




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003826.D
 Acq: 02 Aug 2018 15:38

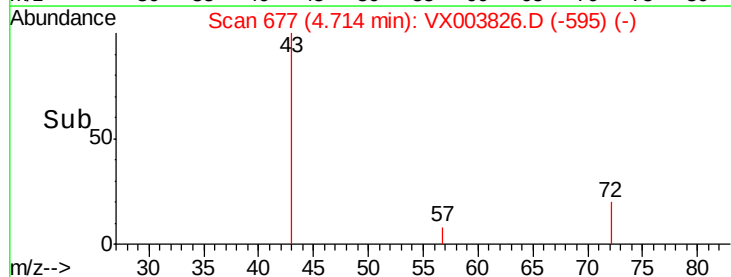
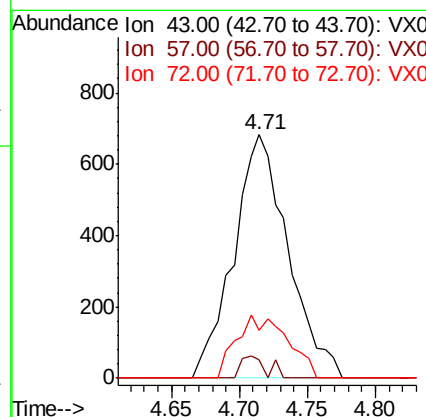
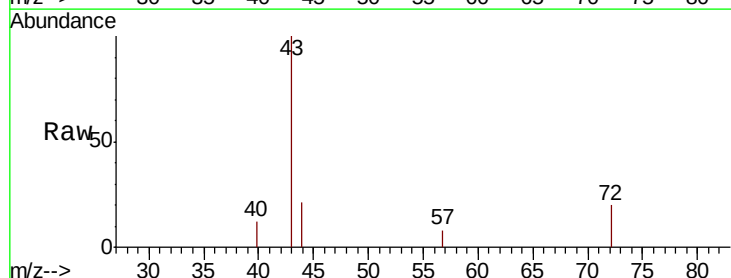
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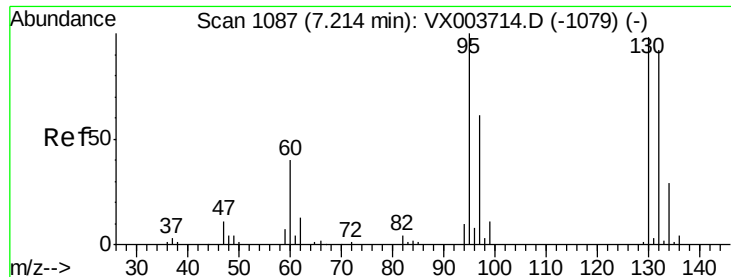
Tot Ion:114 Resp: 112849
 Ion Ratio Lower Upper
 114 100
 63 20.1 17.1 25.7
 88 15.5 12.6 19.0



#30
 2-Butanone
 Concen: 1.79 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VX003826.D
 Acq: 02 Aug 2018 15:38

Tgt Ion: 43 Resp: 1906
 Ion Ratio Lower Upper
 43 100
 57 3.3 6.1 9.1#
 72 11.8 18.1 27.1#





#37

Trichloroethene

Concen: 5.85 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003826.D

Acq: 02 Aug 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

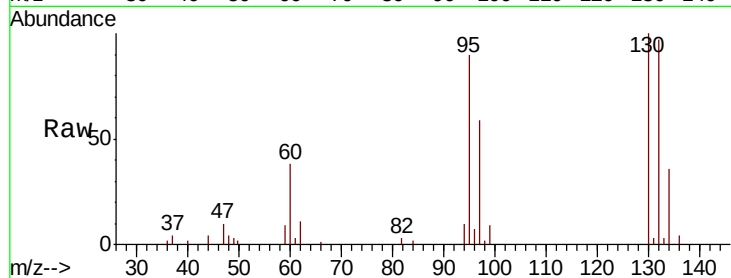
WE13-GW-TANK2-IDW-072918

Tot Ion:130 Resp: 7808

Ion Ratio Lower Upper

130 100

95 89.9 81.5 122.3



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

4000

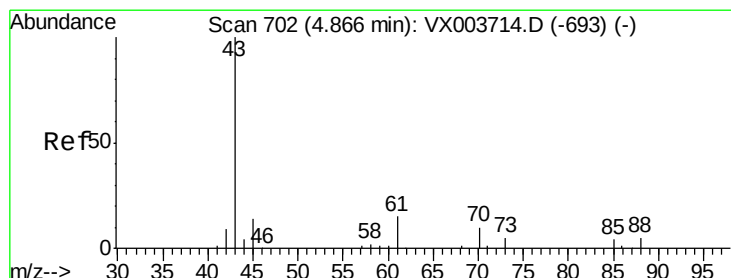
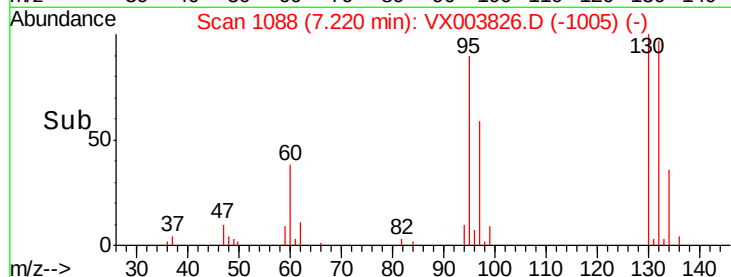
3000

2000

1000

0

Time-->



#43

Ethyl Acetate

Concen: 0.96 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.15 min

Lab File: VX003826.D

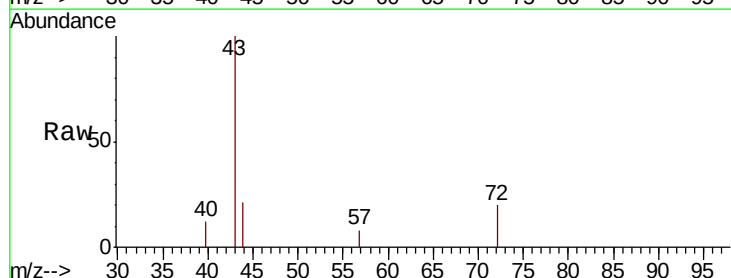
Acq: 02 Aug 2018 15:38

Tgt Ion: 43 Resp: 1906

Ion Ratio Lower Upper

43 100

45 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

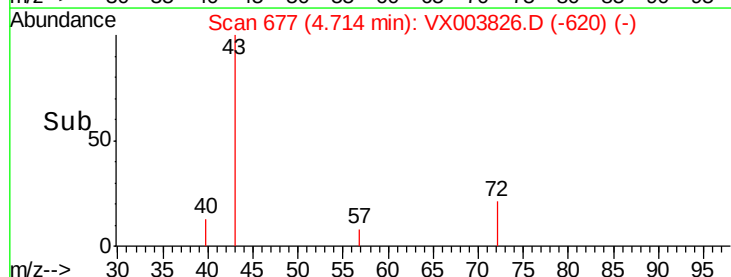
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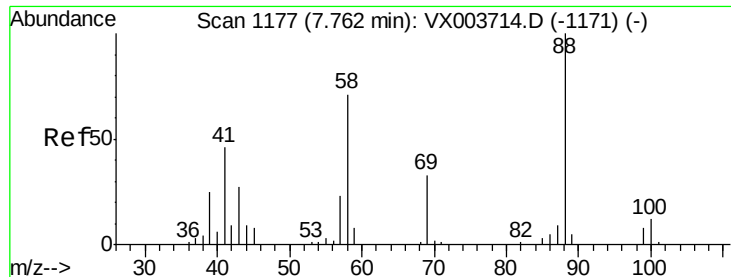
400

200

0

Time-->

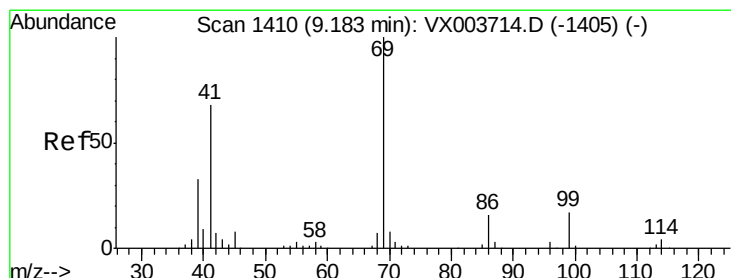
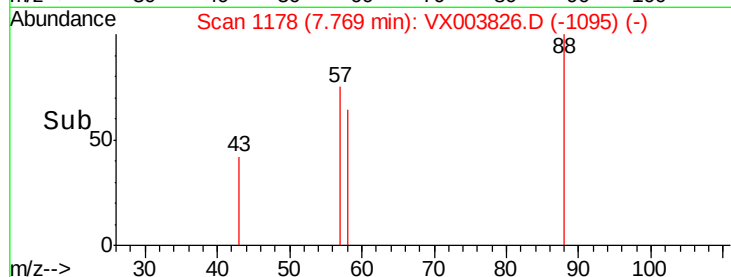
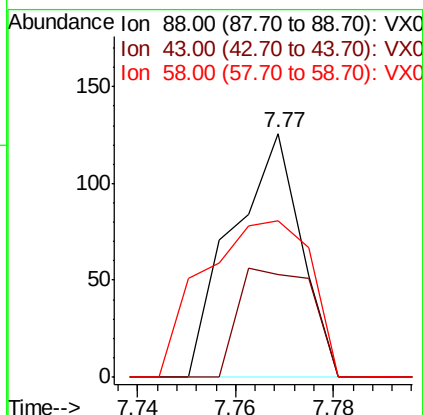
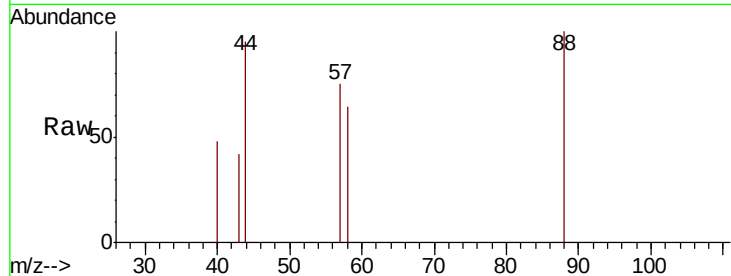




#45
 1,4-Dioxane
 Concen: 3.60 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: VX003826.D
 Acq: 02 Aug 2018 15:38

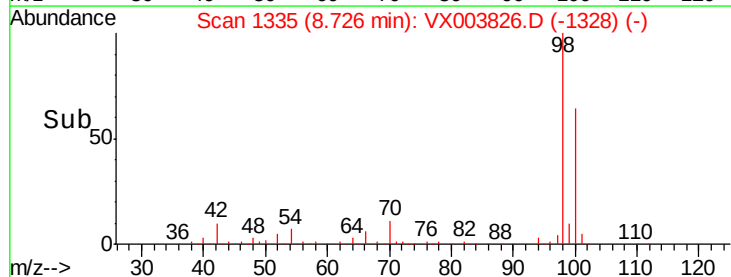
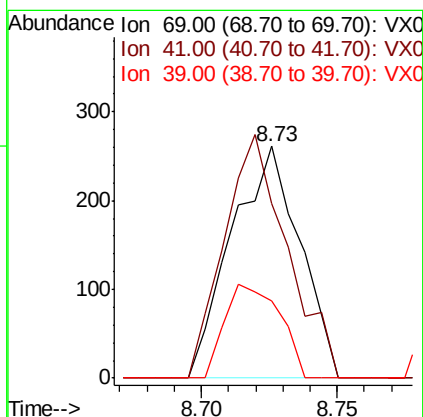
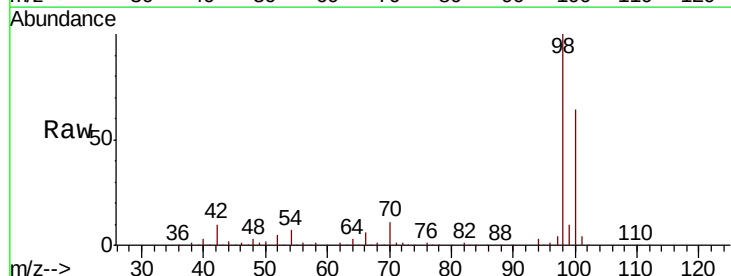
Instrument :
 MSVOA_X
 ClientSampleId :
 WE13-GW-TANK2-IDW-072918

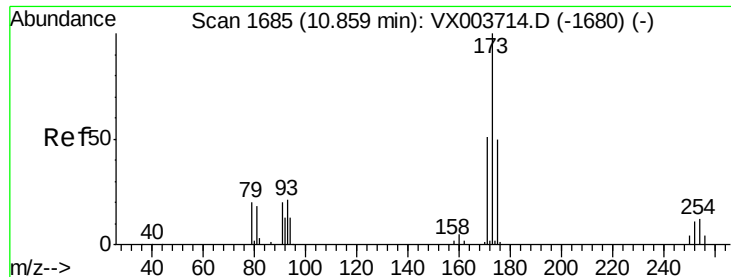
Tot Ion: 88 Resp: 122
 Ion Ratio Lower Upper
 88 100
 43 48.4 43.2 64.8
 58 100.8 60.2 90.2#



#51
 Ethyl methacrylate
 Concen: 0.22 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. -0.46 min
 Lab File: VX003826.D
 Acq: 02 Aug 2018 15:38

Tgt Ion: 69 Resp: 453
 Ion Ratio Lower Upper
 69 100
 41 75.5 39.1 117.3
 39 33.3 21.7 65.1

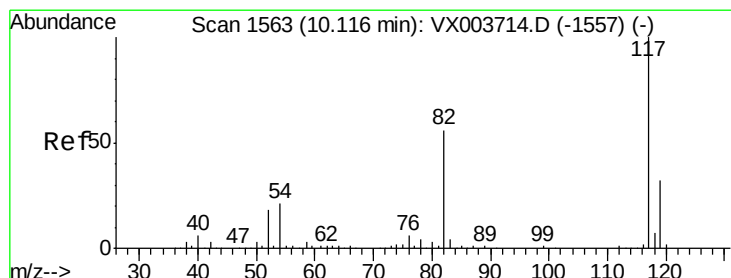
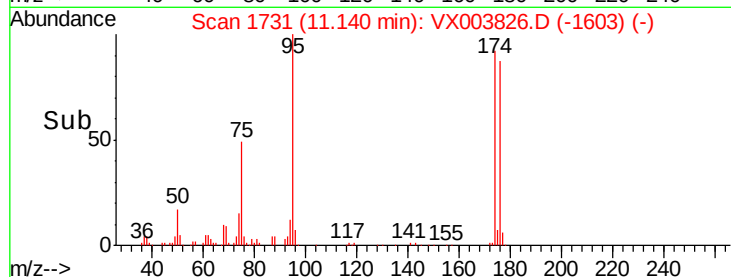
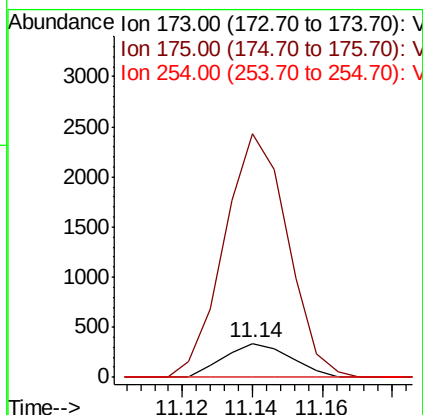
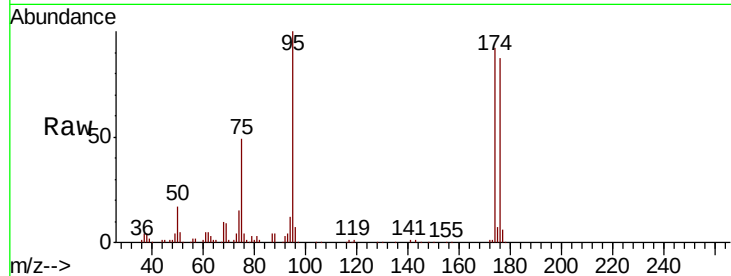




#56
Bromoform
Concen: 0.42 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.28 min
Lab File: VX003826.D
Acq: 02 Aug 2018 15:38

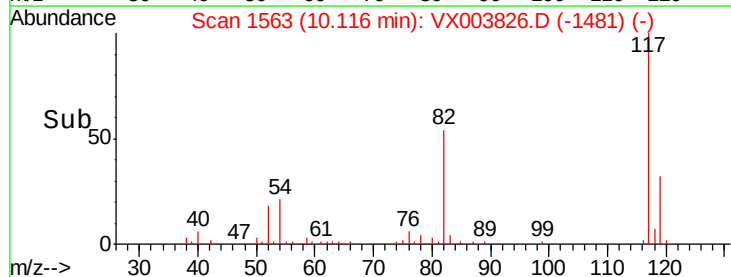
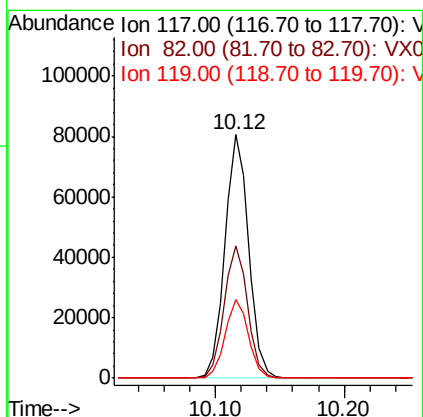
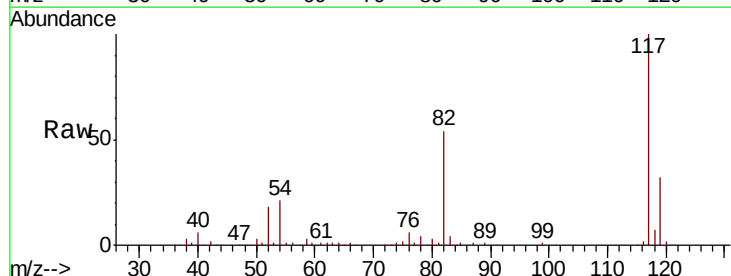
Instrument :
MSVOA_X
ClientSampleId :
WE13-GW-TANK2-IDW-072918

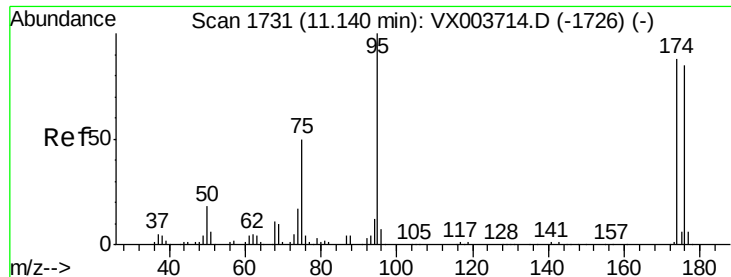
Tot Ion:173 Resp: 449
Ion Ratio Lower Upper
173 100
175 683.1 39.0 58.4#
254 0.0 9.6 14.4#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003826.D
Acq: 02 Aug 2018 15:38

Tgt Ion:117 Resp: 104593
Ion Ratio Lower Upper
117 100
82 54.2 44.3 66.5
119 31.8 25.7 38.5

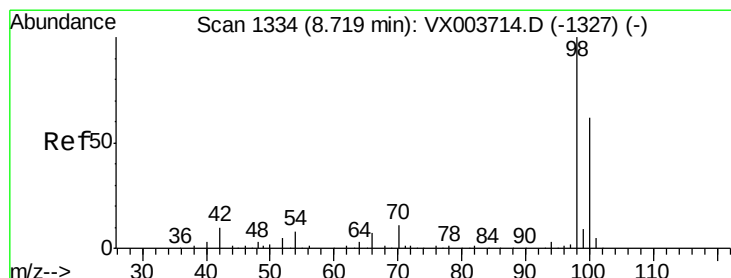
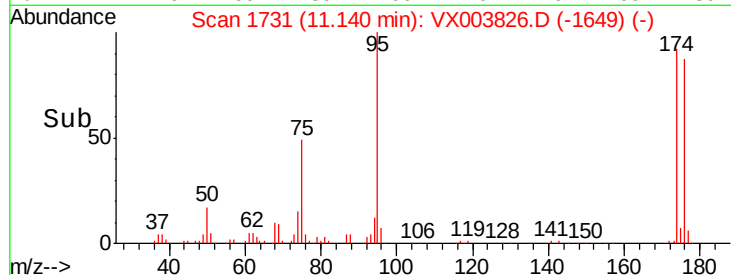
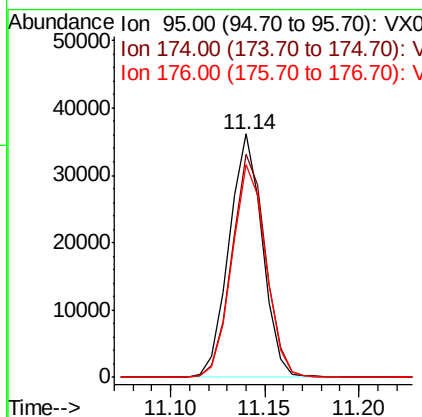
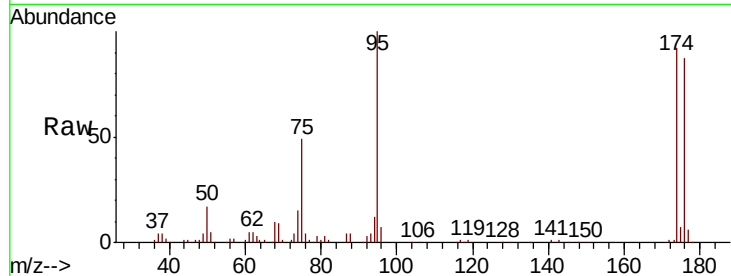




#60
4-Bromofluorobenzene
Concen: 26.27 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003826.D
Acq: 02 Aug 2018 15:38

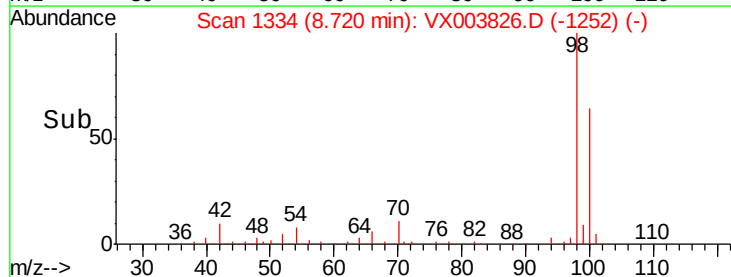
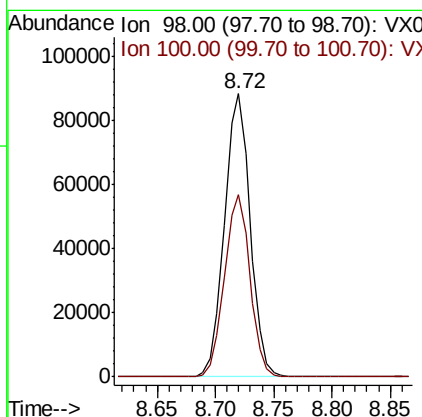
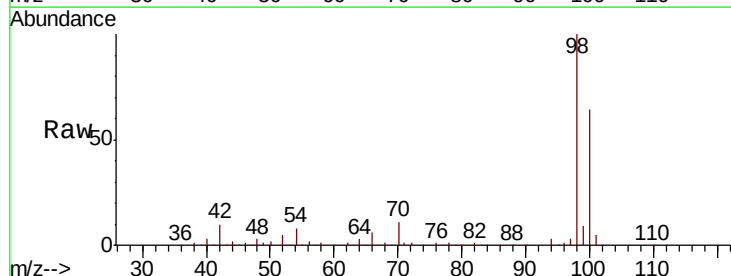
Instrument :
MSVOA_X
ClientSampleId :
WE13-GW-TANK2-IDW-072918

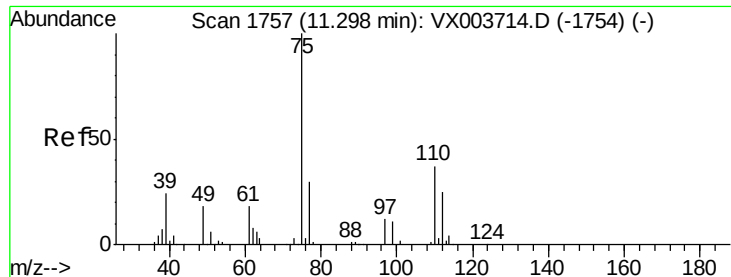
Tot Ion: 95 Resp: 44246
Ion Ratio Lower Upper
95 100
174 93.3 71.8 107.6
176 89.1 70.1 105.1



#63
Toluene-d8
Concen: 28.72 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003826.D
Acq: 02 Aug 2018 15:38

Tgt Ion: 98 Resp: 135339
Ion Ratio Lower Upper
98 100
100 63.8 50.8 76.2





#72
 1,2,3-Trichloropropane
 Concen: 11.99 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003826.D
 Acq: 02 Aug 2018 15:38

Instrument :
 MSVOA_X
 ClientSampleId :
 WE13-GW-TANK2-IDW-072918

Tot Ion: 75 Resp: 21577
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 71.8

