

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111418\
 Data File : VX005986.D
 Acq On : 14 Nov 2018 20:35
 Operator : JC/MD
 Sample : J5921-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-TANK2-N48963

Quant Time: Nov 15 00:27:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	127113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	191328	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.12	117	162359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	79877	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	74108	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
35) Dibromofluoromethane	5.51	113	59149	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
50) Toluene-d8	8.71	98	215622	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.14	95	74537	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	

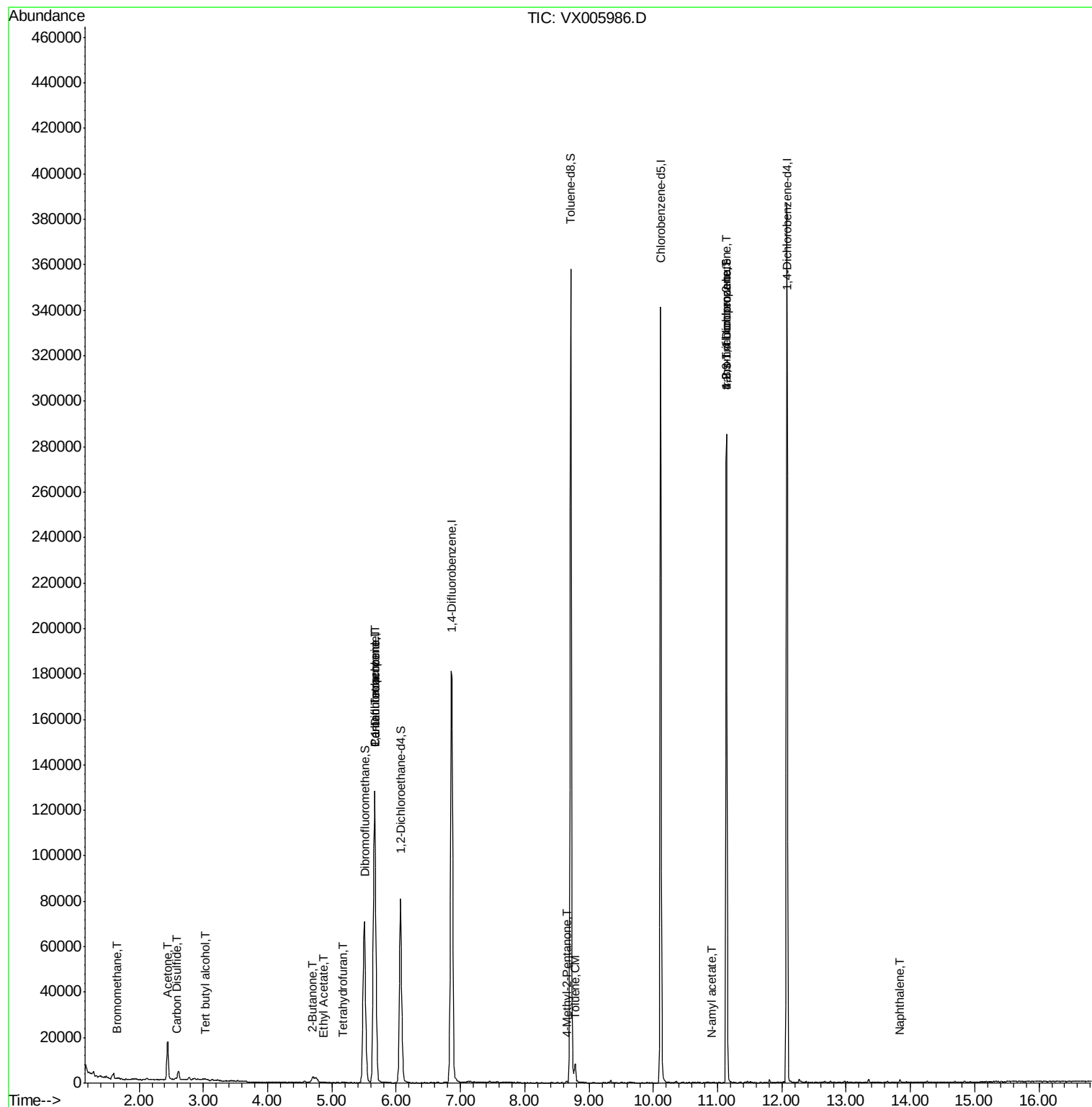
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	263	0.285	ug/l	98
11) Tert butyl alcohol	3.03	59	557	1.331	ug/l #	72
16) Acetone	2.44	43	18371	23.349	ug/l	99
17) Carbon Disulfide	2.57	76	758	0.226	ug/l #	74
18) Methyl Acetate	2.78	43	1235	Below Cal		95
25) 2-Butanone	4.70	43	5010	4.050	ug/l	100
29) Tetrahydrofuran	5.16	42	427	0.538	ug/l #	41
36) 1,1-Dichloropropene	5.67	75	8361	4.533	ug/l #	50
37) Ethyl Acetate	4.87	43	521	0.215	ug/l #	69
38) Carbon Tetrachloride	5.67	117	11157	6.042	ug/l #	16
51) 4-Methyl-2-Pentanone	8.65	43	475	0.214	ug/l	89
52) Toluene	8.79	92	2567	0.854	ug/l	99
74) N-amyl acetate	10.91	43	44	1.267	ug/l #	44
76) 1,2,3-Trichloropropane	11.13	75	36583	22.492	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	36583	71.687	ug/l #	9
95) Naphthalene	13.83	128	807	1.315	ug/l	99

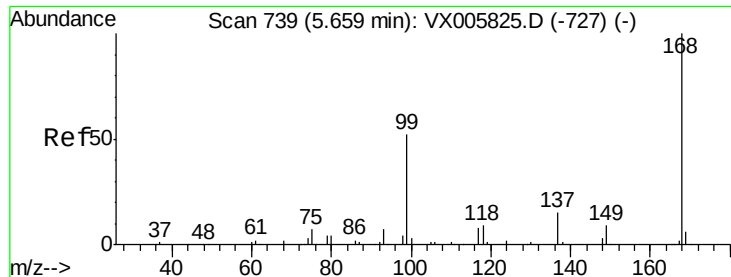
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005986.D

Acq: 14 Nov 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

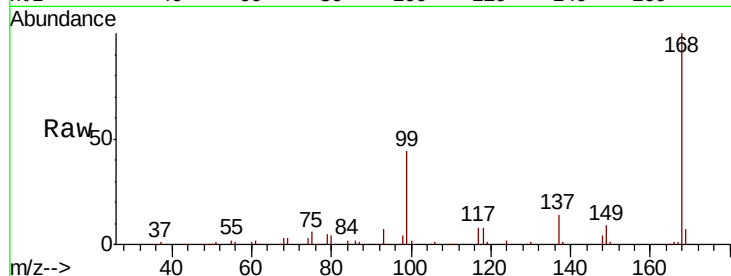
SP-TANK2-N48963

Tot Ion:168 Resp: 127113

Ion Ratio Lower Upper

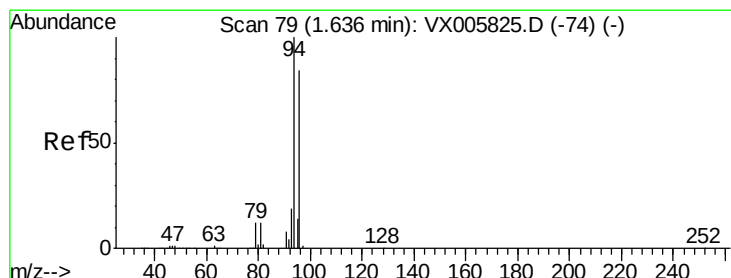
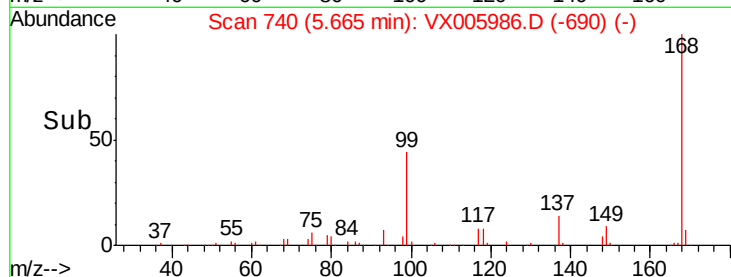
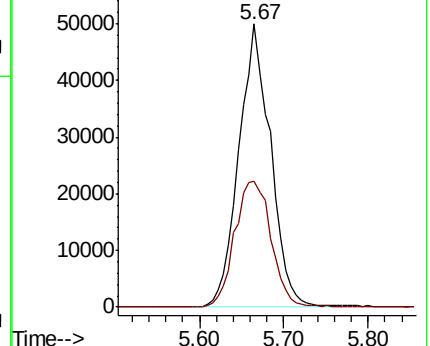
168 100

99 44.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.285 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX005986.D

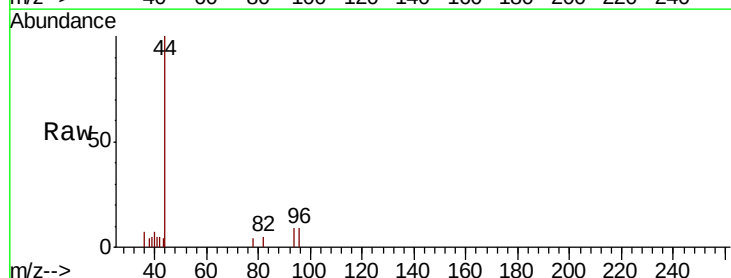
Acq: 14 Nov 2018 20:35

Tgt Ion: 94 Resp: 263

Ion Ratio Lower Upper

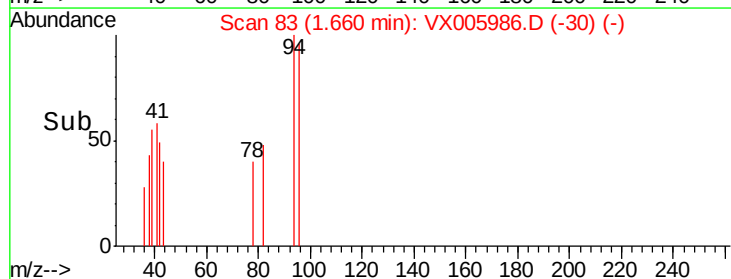
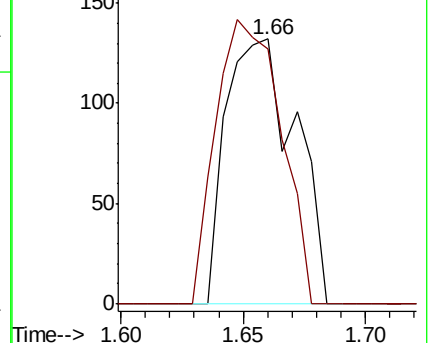
94 100

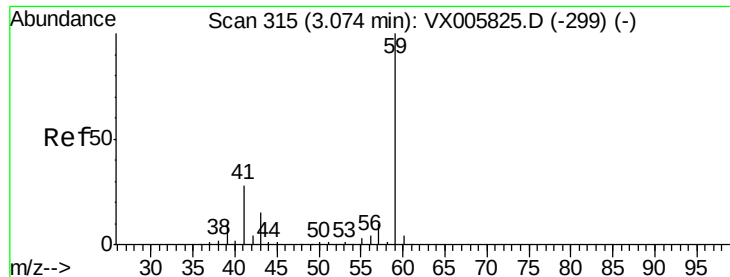
96 96.2 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

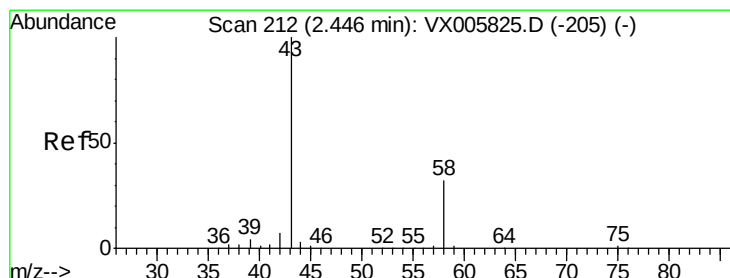
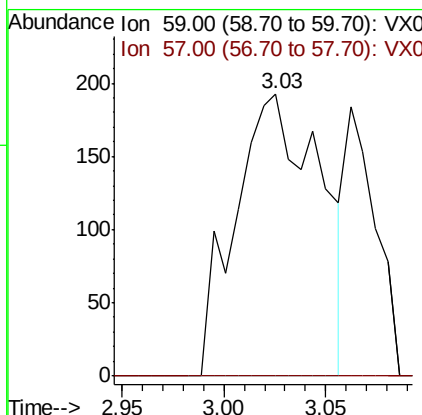
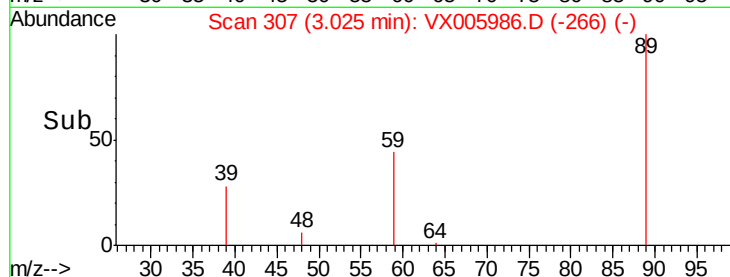
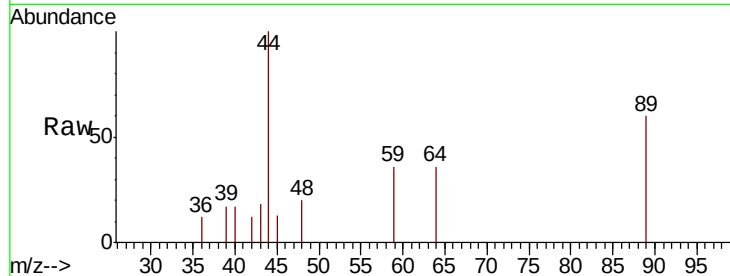




#11
Tert butyl alcohol
Concen: 1.331 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005986.D
Acq: 14 Nov 2018 20:35

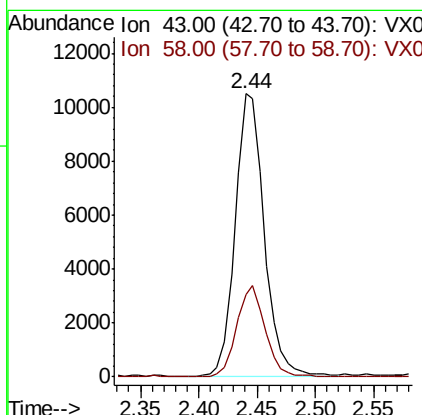
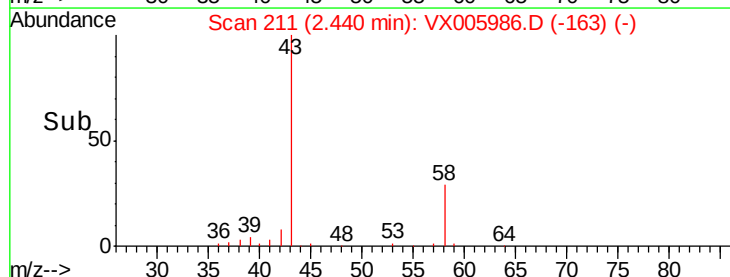
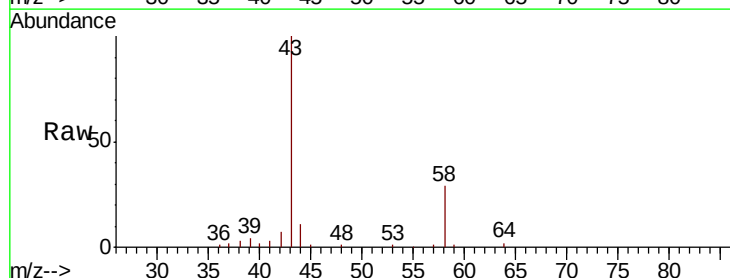
Instrument :
MSVOA_X
ClientSampleId :
SP-TANK2-N48963

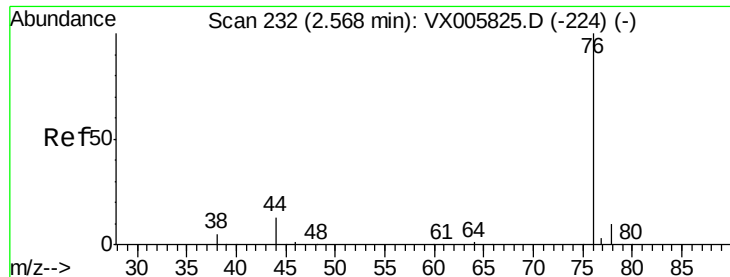
Tot Ion: 59 Resp: 557
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 23.349 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX005986.D
Acq: 14 Nov 2018 20:35

Tgt Ion: 43 Resp: 18371
Ion Ratio Lower Upper
43 100
58 29.0 23.8 35.6





#17

Carbon Disulfide

Concen: 0.226 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005986.D

Acq: 14 Nov 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

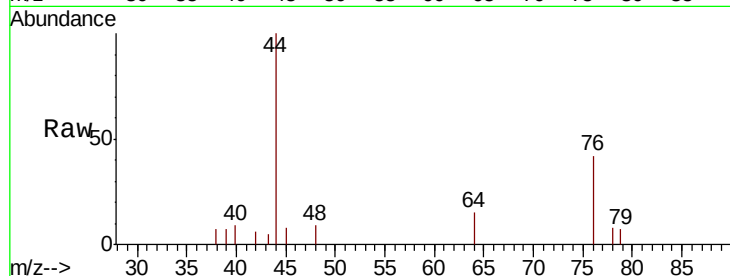
SP-TANK2-N48963

Tot Ion: 76 Resp: 758

Ion Ratio Lower Upper

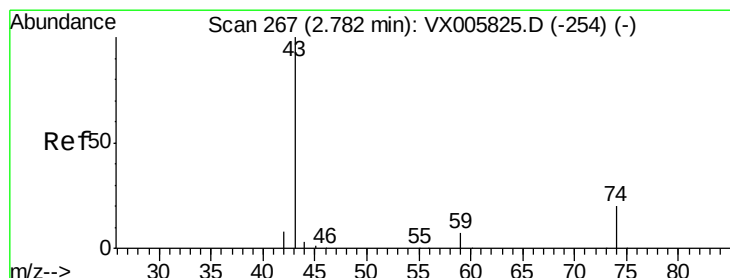
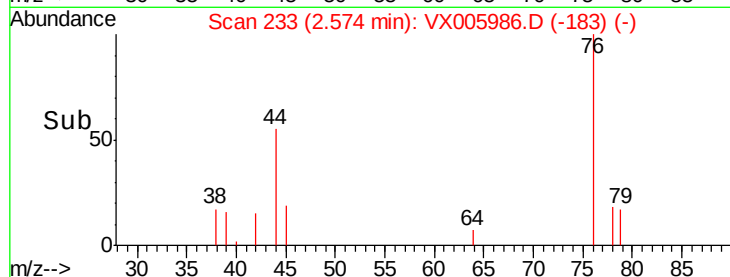
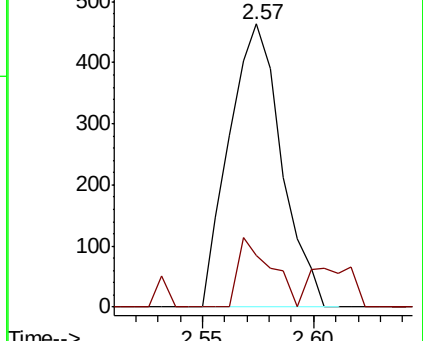
76 100

78 18.4 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005986.D

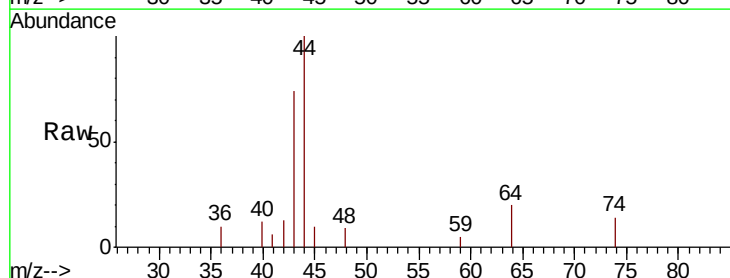
Acq: 14 Nov 2018 20:35

Tgt Ion: 43 Resp: 1235

Ion Ratio Lower Upper

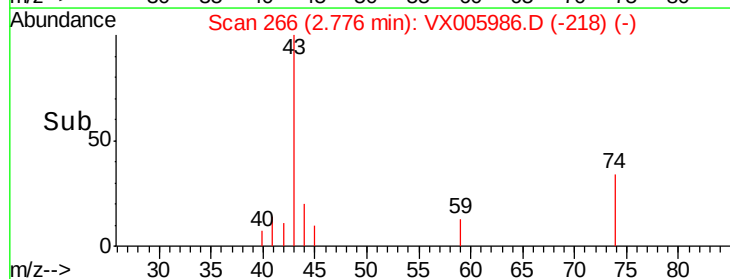
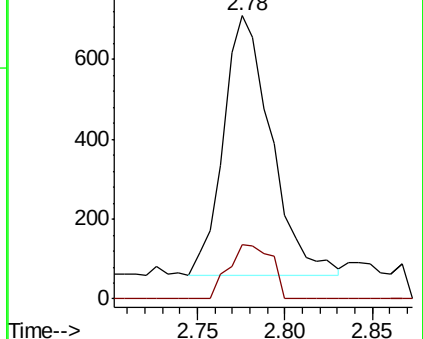
43 100

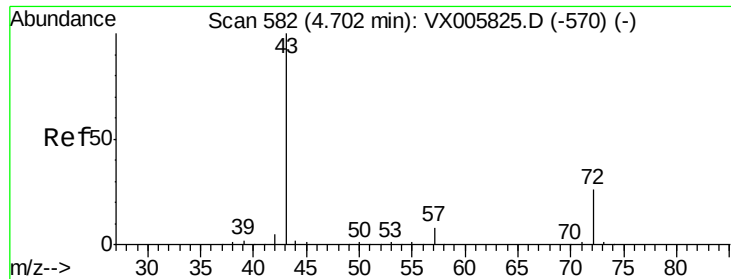
74 18.7 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 4.050 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005986.D

Acq: 14 Nov 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

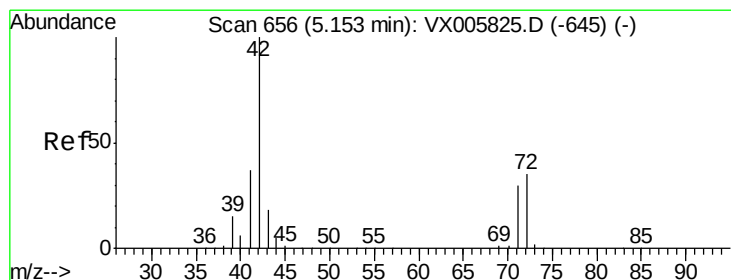
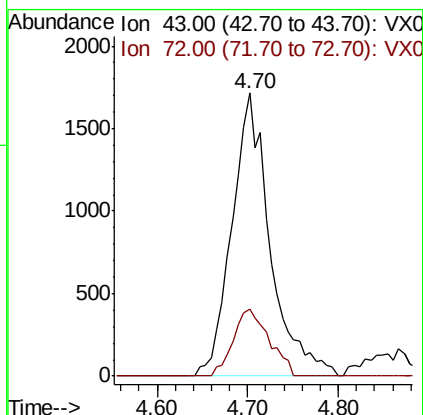
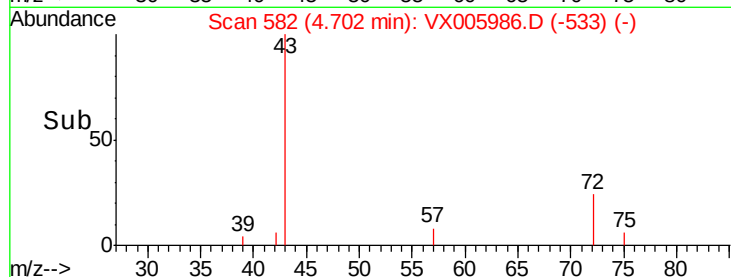
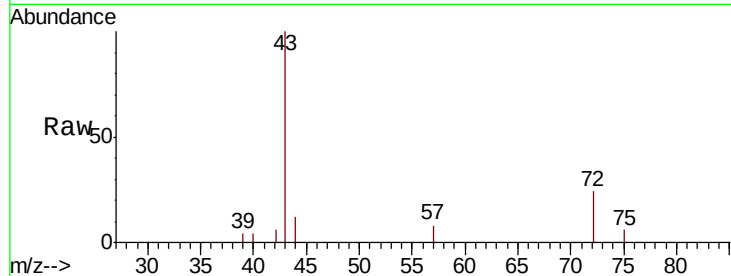
SP-TANK2-N48963

Tot Ion: 43 Resp: 5010

Ion Ratio Lower Upper

43 100

72 23.9 19.2 28.8



#29

Tetrahydrofuran

Concen: 0.538 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005986.D

Acq: 14 Nov 2018 20:35

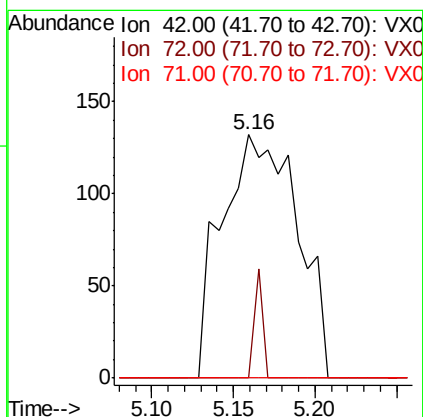
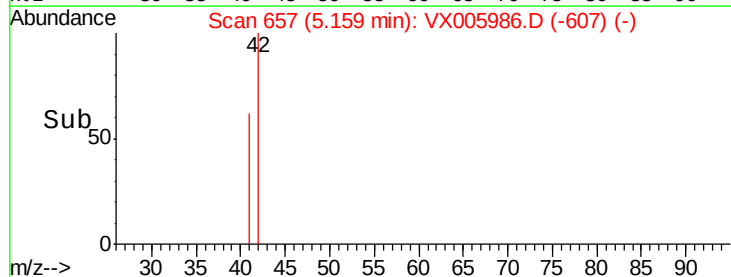
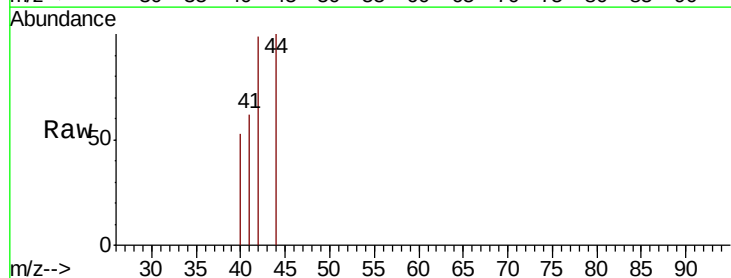
Tgt Ion: 42 Resp: 427

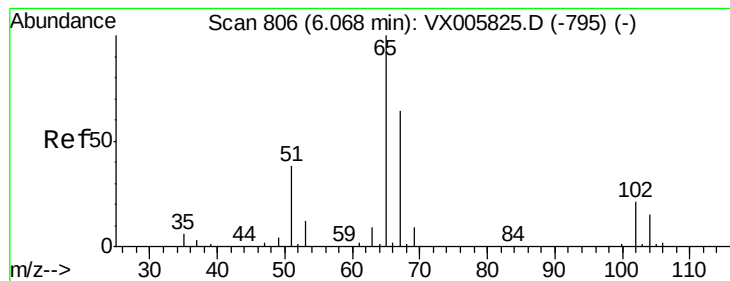
Ion Ratio Lower Upper

42 100

72 5.2 32.0 48.0#

71 0.0 29.8 44.8#





#33

1,2-Dichloroethane-d4

Concen: 50.713 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005986.D

Acq: 14 Nov 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

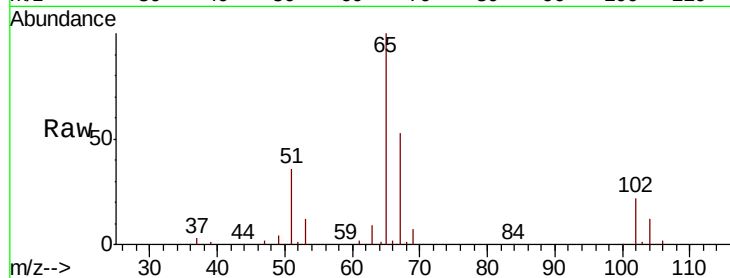
SP-TANK2-N48963

Tot Ion: 65 Resp: 74108

Ion Ratio Lower Upper

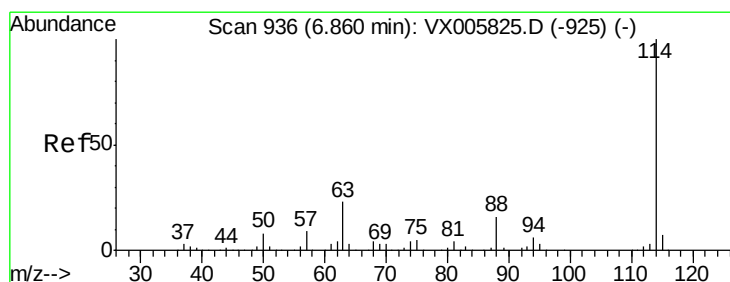
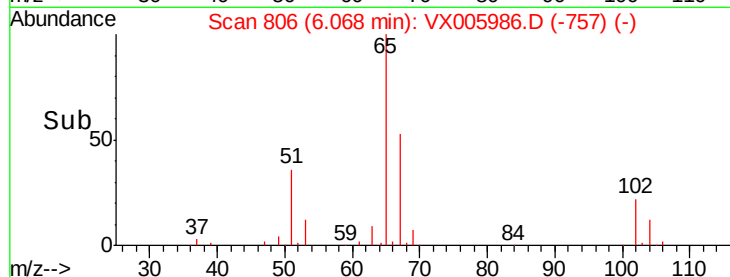
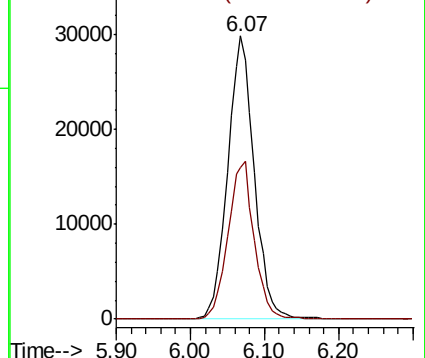
65 100

67 55.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 938

Delta R.T. 0.01 min

Lab File: VX005986.D

Acq: 14 Nov 2018 20:35

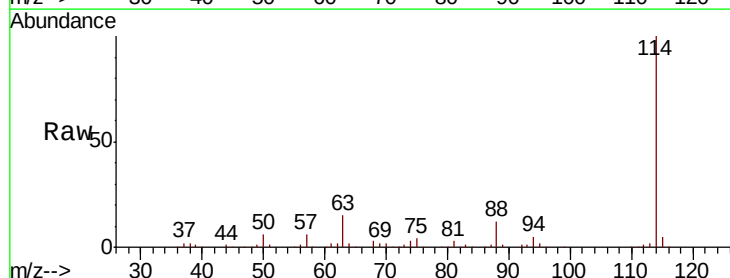
Tgt Ion: 114 Resp: 191328

Ion Ratio Lower Upper

114 100

63 15.0 0.0 42.8

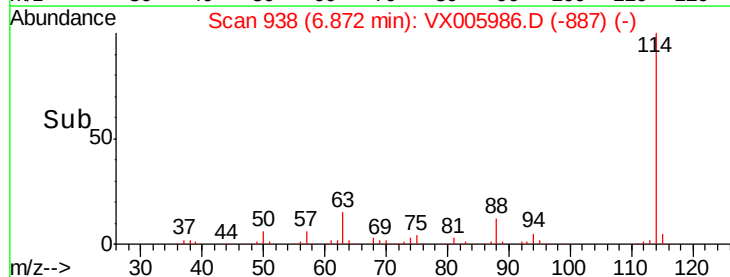
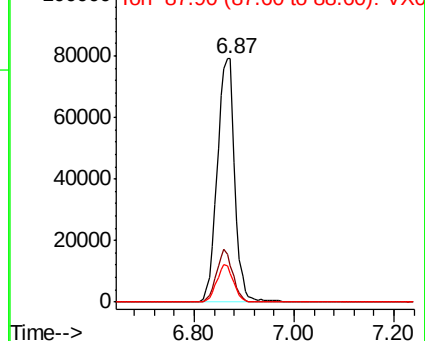
88 11.7 0.0 31.2

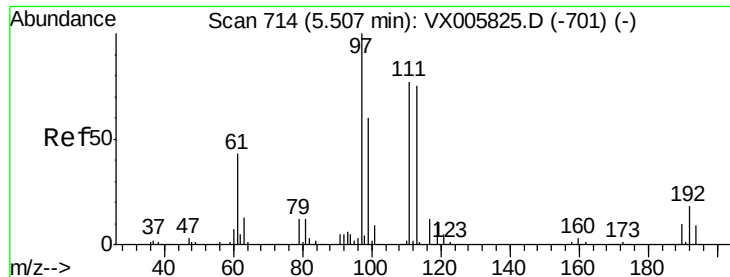


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.453 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX005986.D

Acq: 14 Nov 2018 20:35

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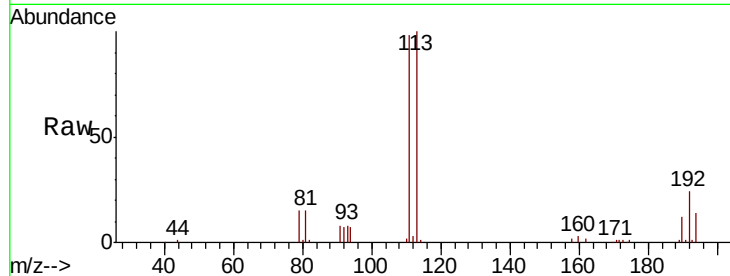
Tot Ion:113 Resp: 59149

Ion Ratio Lower Upper

113 100

111 104.4 82.3 123.5

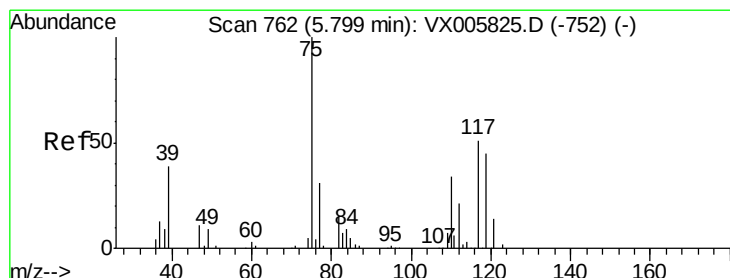
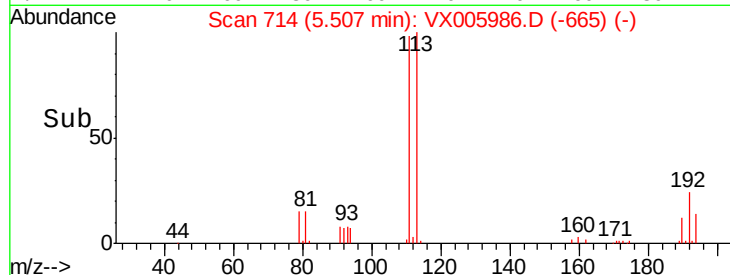
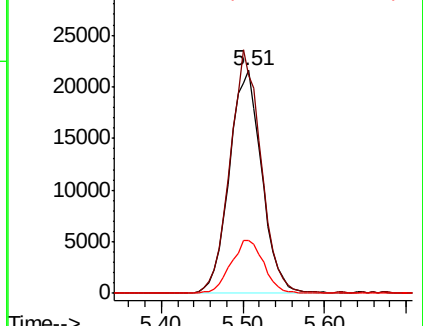
192 24.2 17.9 26.9



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: 4.533 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005986.D

Acq: 14 Nov 2018 20:35

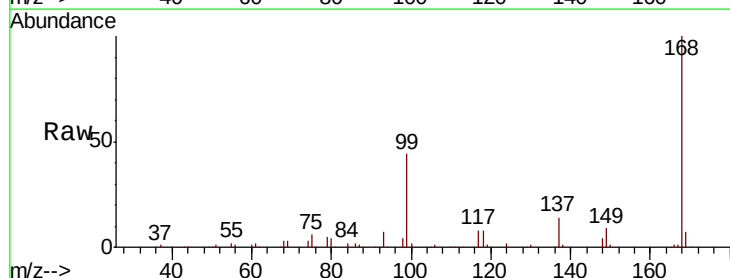
Tgt Ion: 75 Resp: 8361

Ion Ratio Lower Upper

75 100

110 9.4 17.4 52.2#

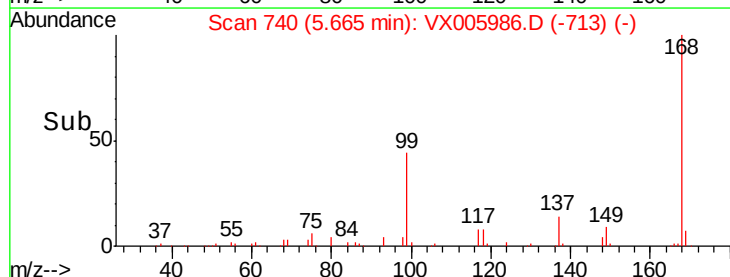
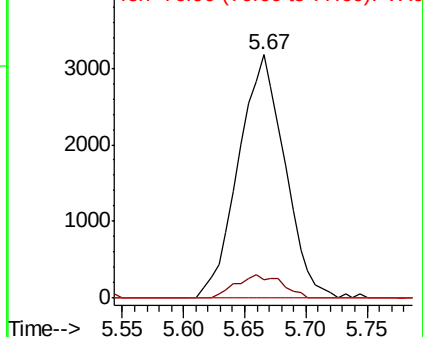
77 0.0 25.8 38.6#

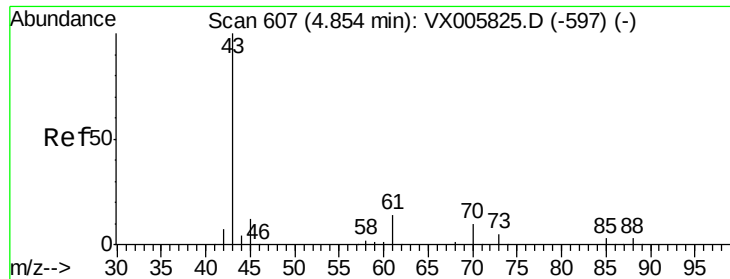


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.215 ug/l

RT: 4.87 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX005986.D

Acq: 14 Nov 2018 20:35

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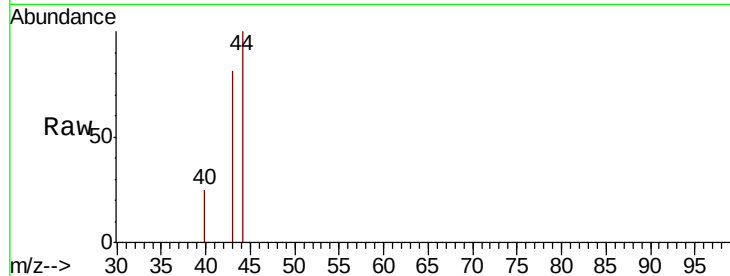
Tot Ion: 43 Resp: 521

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

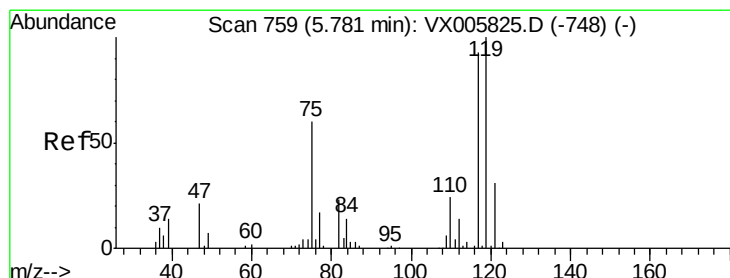
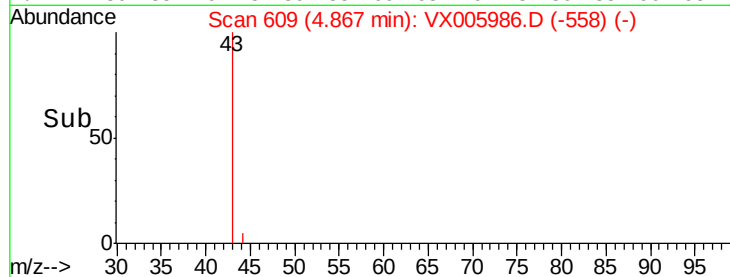
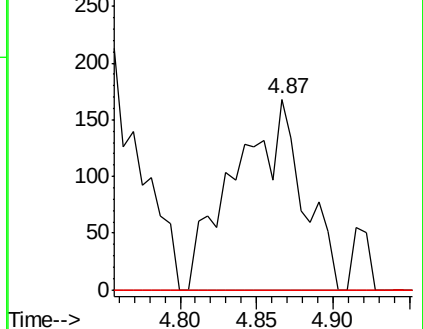
70 0.0 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 6.042 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005986.D

Acq: 14 Nov 2018 20:35

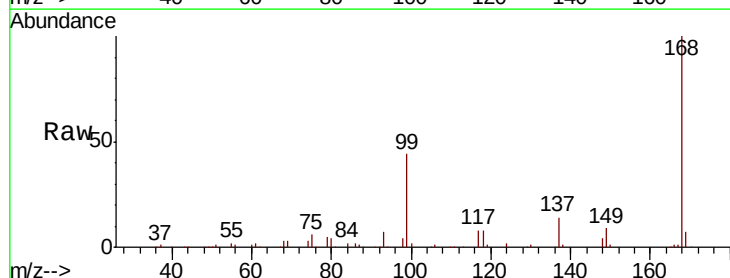
Tgt Ion: 117 Resp: 11157

Ion Ratio Lower Upper

117 100

119 6.2 78.1 117.1#

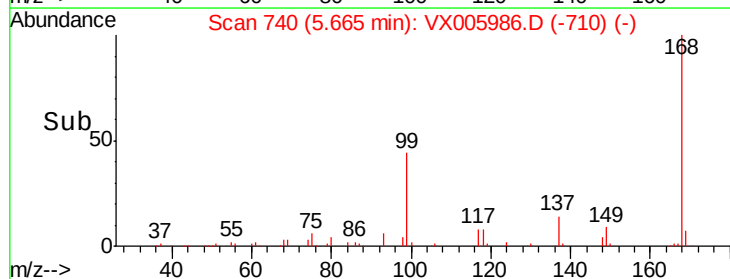
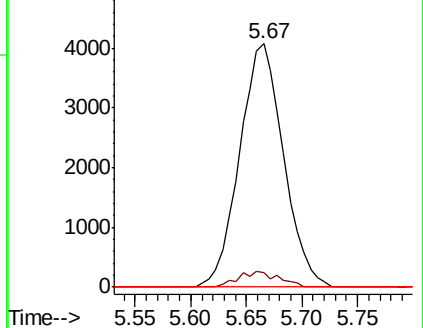
121 0.0 24.6 36.8#

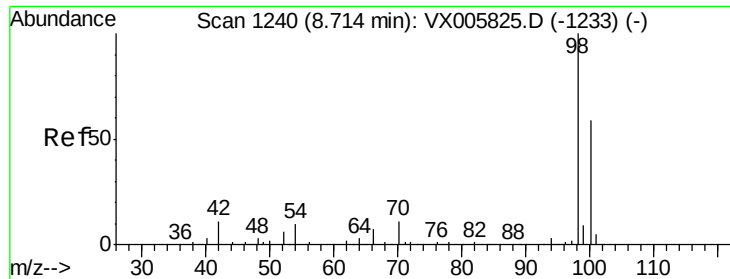


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

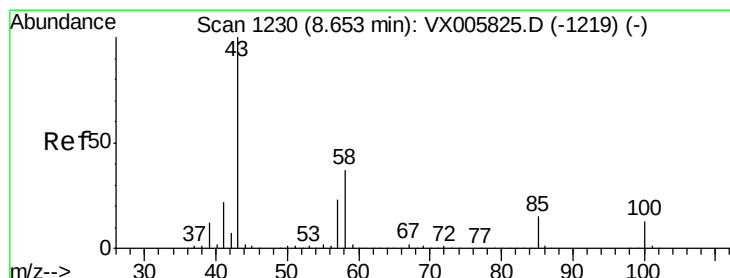
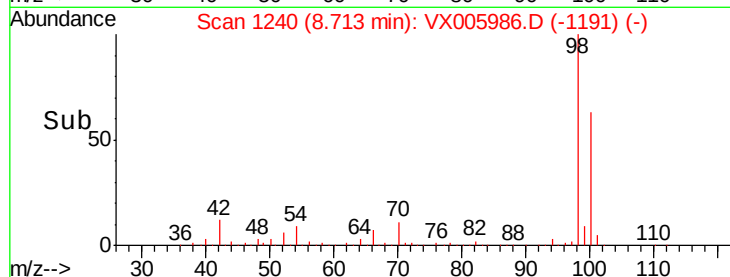
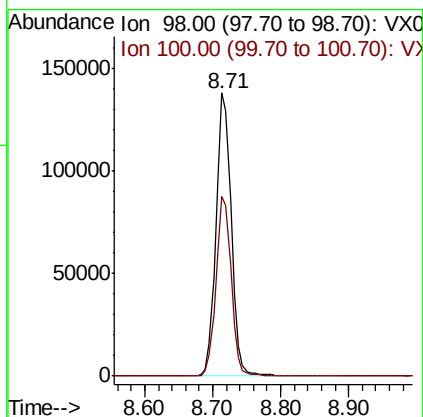
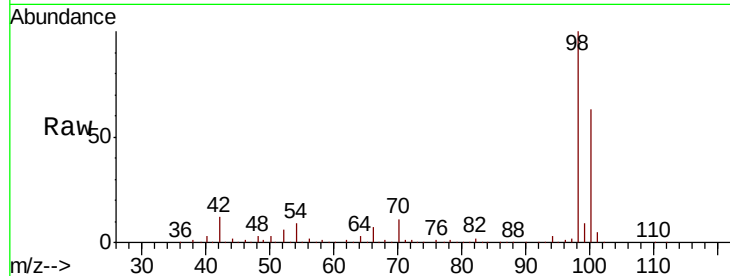




#50
Toluene-d8
Concen: 49.839 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005986.D
Acq: 14 Nov 2018 20:35

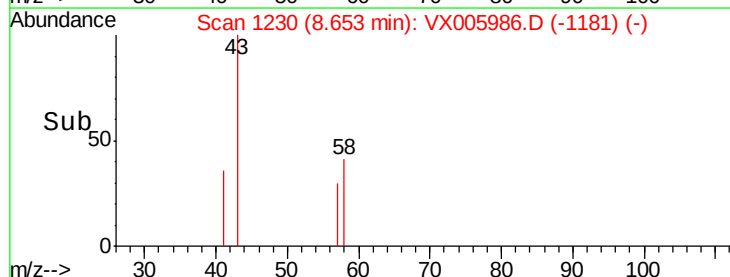
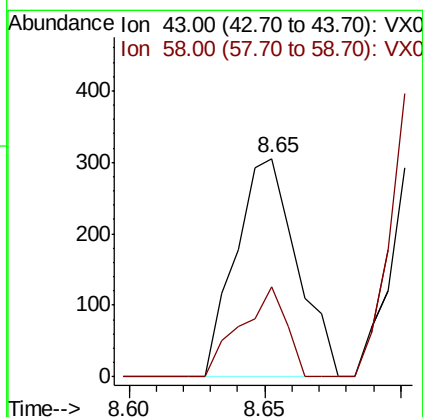
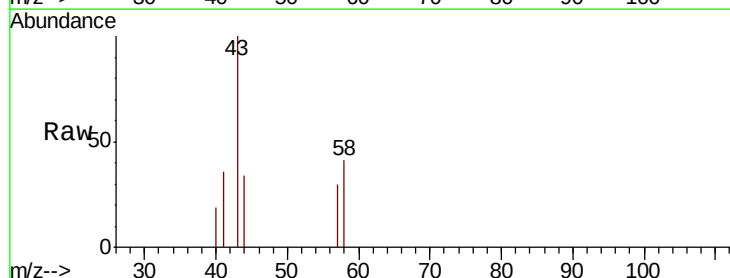
Instrument :
MSVOA_X
ClientSampleId :
SP-TANK2-N48963

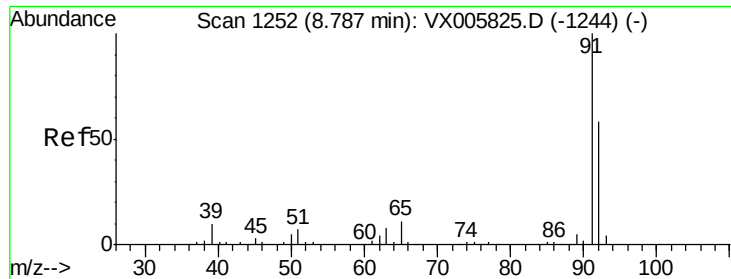
Tot Ion: 98 Resp: 215622
Ion Ratio Lower Upper
98 100
100 63.3 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.214 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX005986.D
Acq: 14 Nov 2018 20:35

Tgt Ion: 43 Resp: 475
Ion Ratio Lower Upper
43 100
58 30.7 29.7 44.5





#52

Toluene

Concen: 0.854 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005986.D

Acq: 14 Nov 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

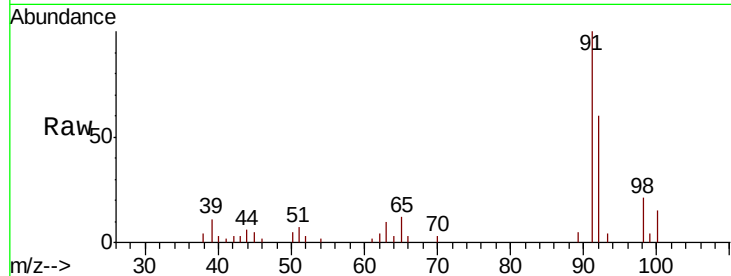
SP-TANK2-N48963

Tot Ion: 92 Resp: 2567

Ion Ratio Lower Upper

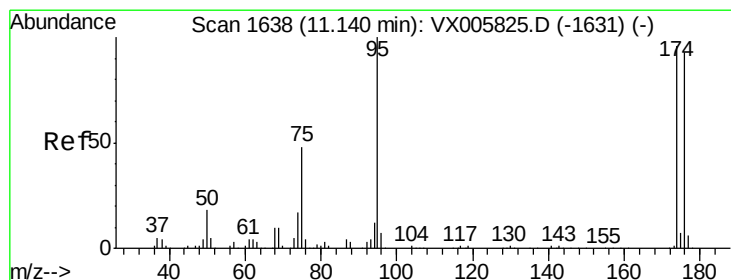
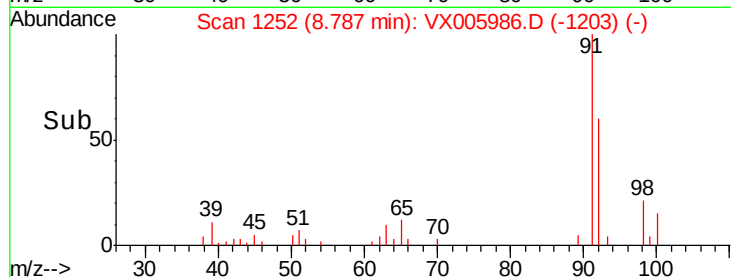
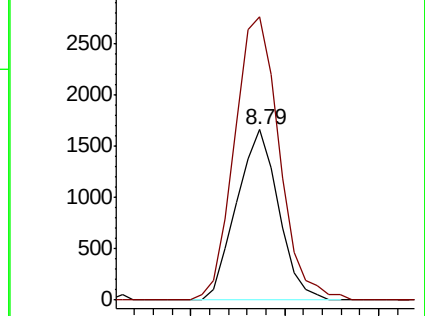
92 100

91 177.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.919 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005986.D

Acq: 14 Nov 2018 20:35

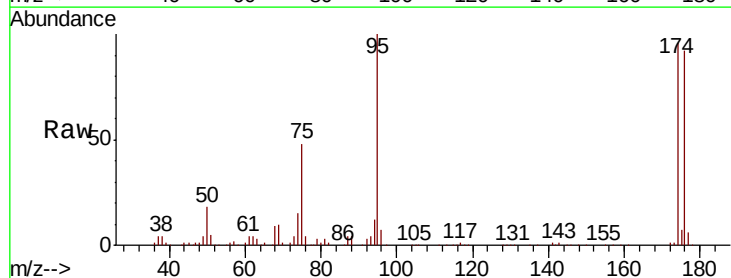
Tgt Ion: 95 Resp: 74537

Ion Ratio Lower Upper

95 100

174 90.9 0.0 184.4

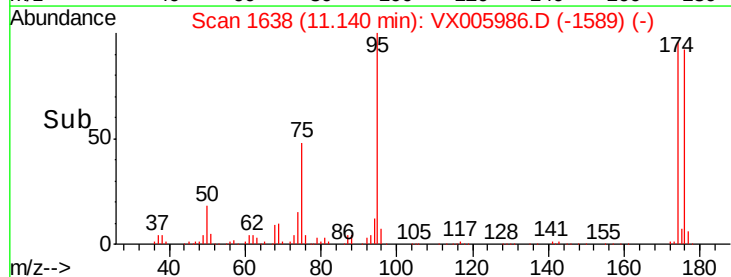
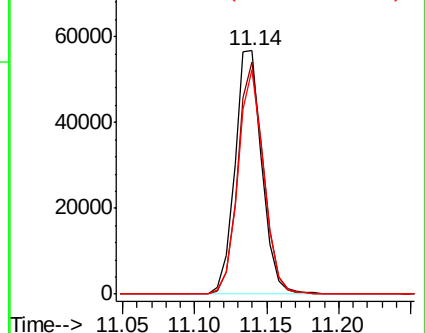
176 87.7 0.0 177.4

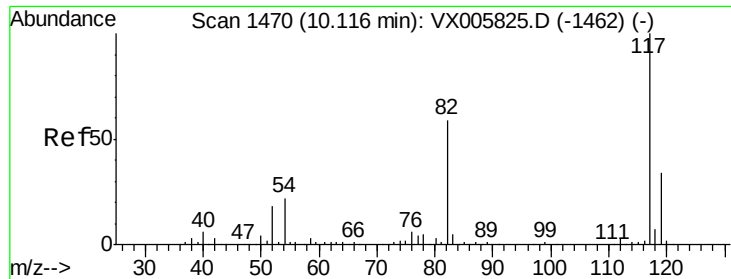


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

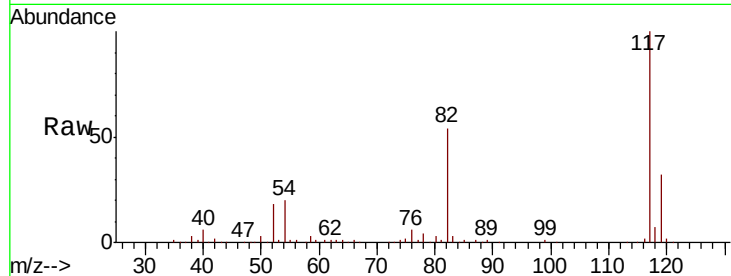




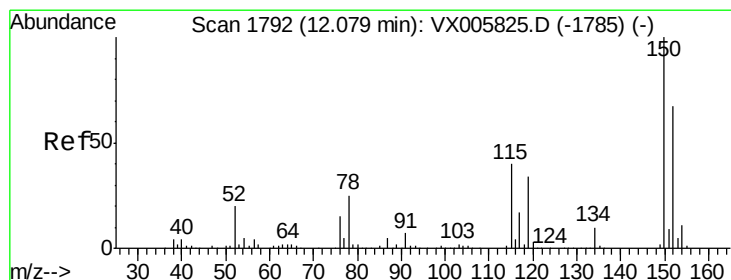
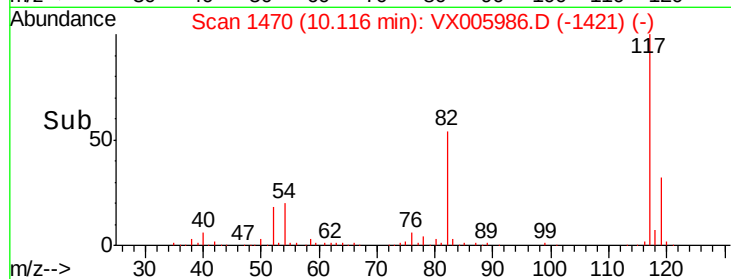
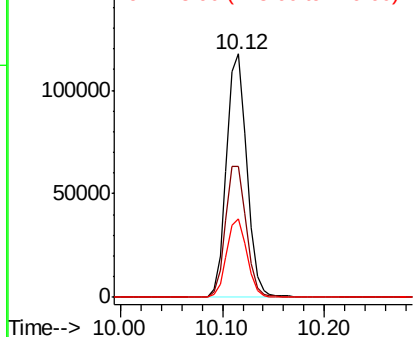
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005986.D
Acq: 14 Nov 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
SP-TANK2-N48963

Tot Ion:117 Resp: 162359
Ion Ratio Lower Upper
117 100
82 53.8 44.1 66.1
119 32.3 26.2 39.2

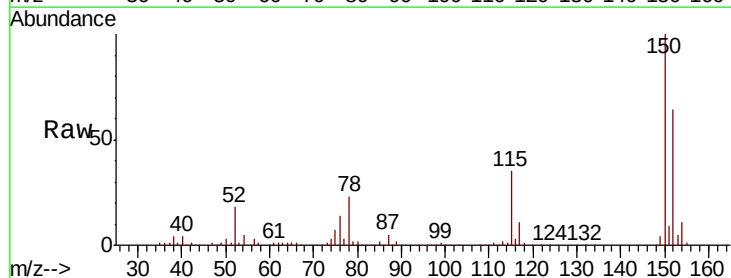


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

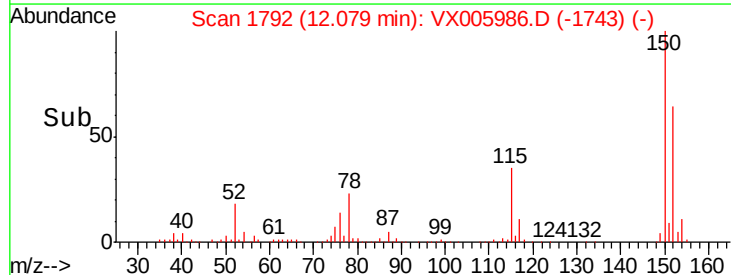
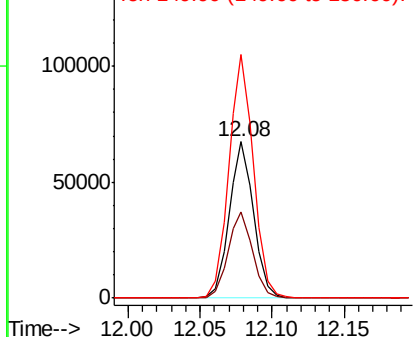


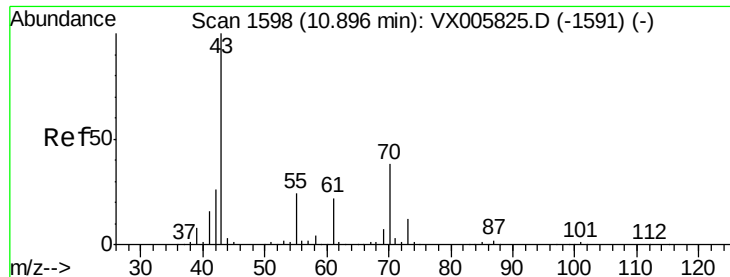
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005986.D
Acq: 14 Nov 2018 20:35

Tgt Ion:152 Resp: 79877
Ion Ratio Lower Upper
152 100
115 55.7 39.4 118.1
150 156.8 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





#74

N-amvl acetate

Concen: 1.267 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX005986.D

Acq: 14 Nov 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

SP-TANK2-N48963

Tot Ion: 43 Resp: 44

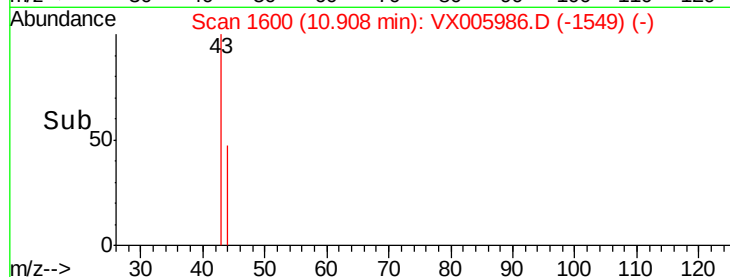
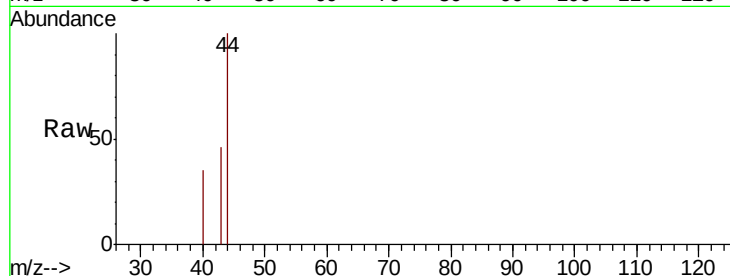
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#

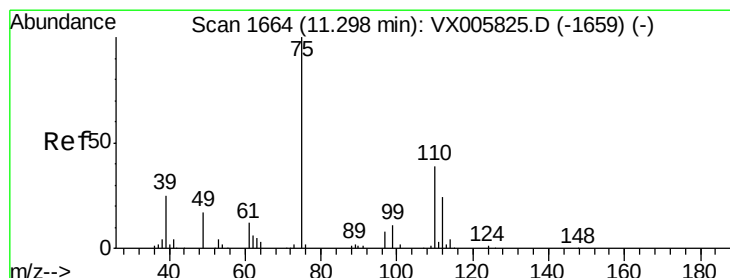
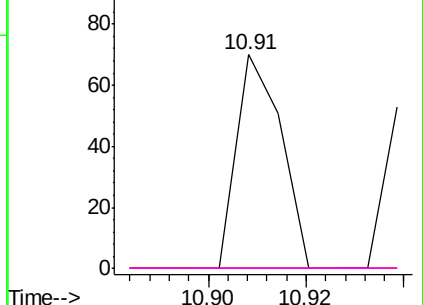


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.492 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005986.D

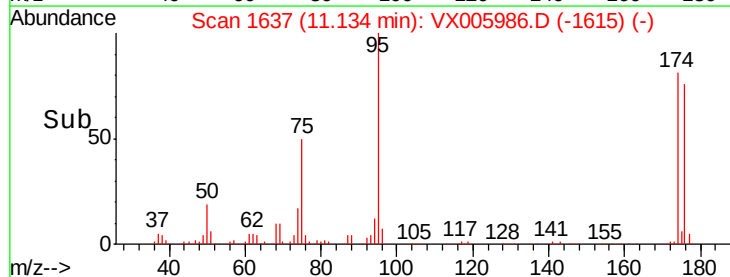
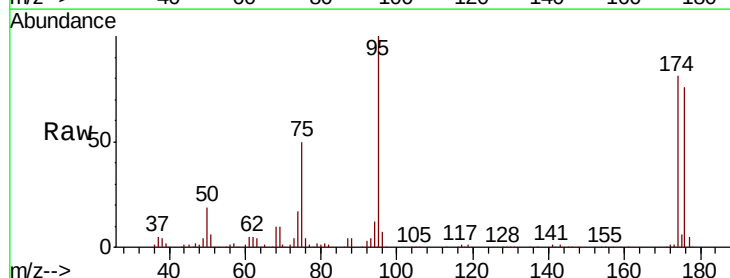
Acq: 14 Nov 2018 20:35

Tgt Ion: 75 Resp: 36583

Ion Ratio Lower Upper

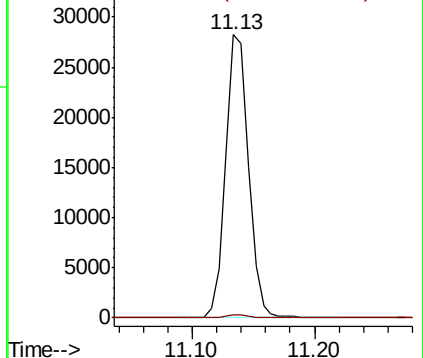
75 100

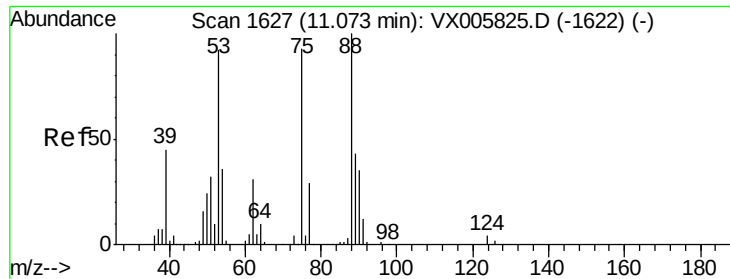
77 1.2 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

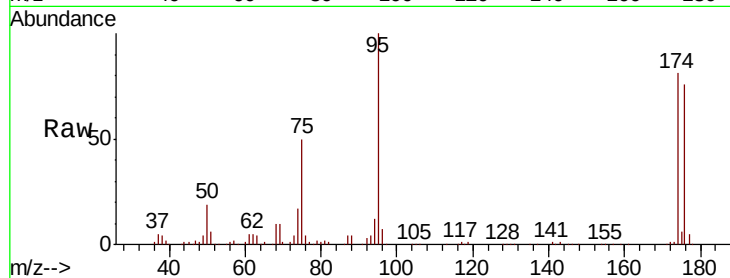




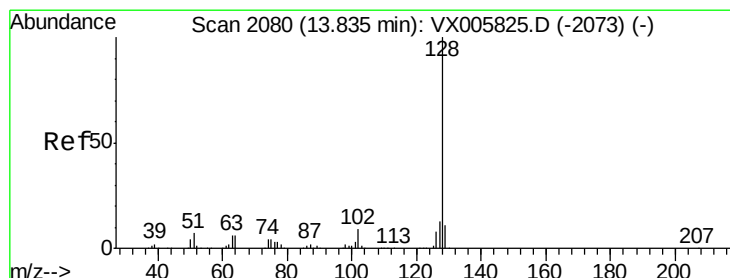
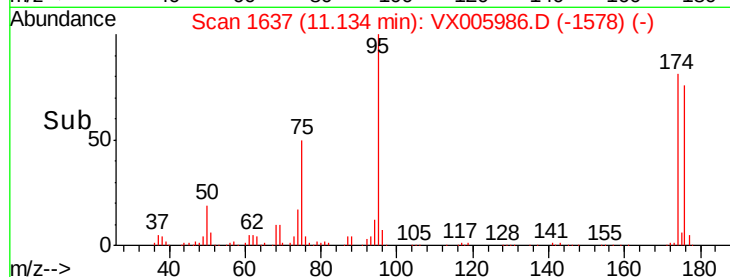
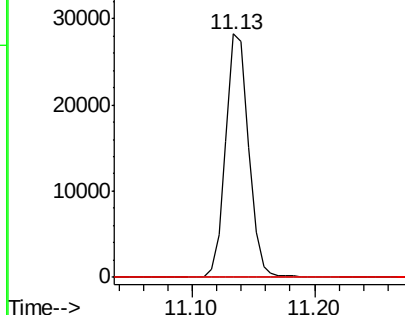
#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.687 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX005986.D
 Acq: 14 Nov 2018 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-TANK2-N48963

Tot Ion: 75 Resp: 36583
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.2 120.2#
 89 0.0 39.8 59.8#

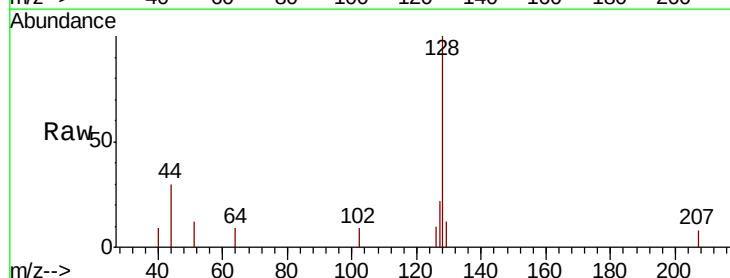


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 53.00 (52.70 to 53.70): VX0
 Ion 88.90 (88.60 to 89.60): VX0



#95
 Naphthalene
 Concen: 1.315 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX005986.D
 Acq: 14 Nov 2018 20:35

Tgt Ion: 128 Resp: 807
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.4 15.6
 129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

