

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
 Data File : VX012713.D
 Acq On : 30 Sep 2019 18:16
 Operator : JC/SP
 Sample : K5081-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20190926

Quant Time: Oct 01 03:48:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	290841	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96775	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	118732	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
35) Dibromofluoromethane	5.49	113	88143	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	8.71	98	342072	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	11.14	95	118616	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

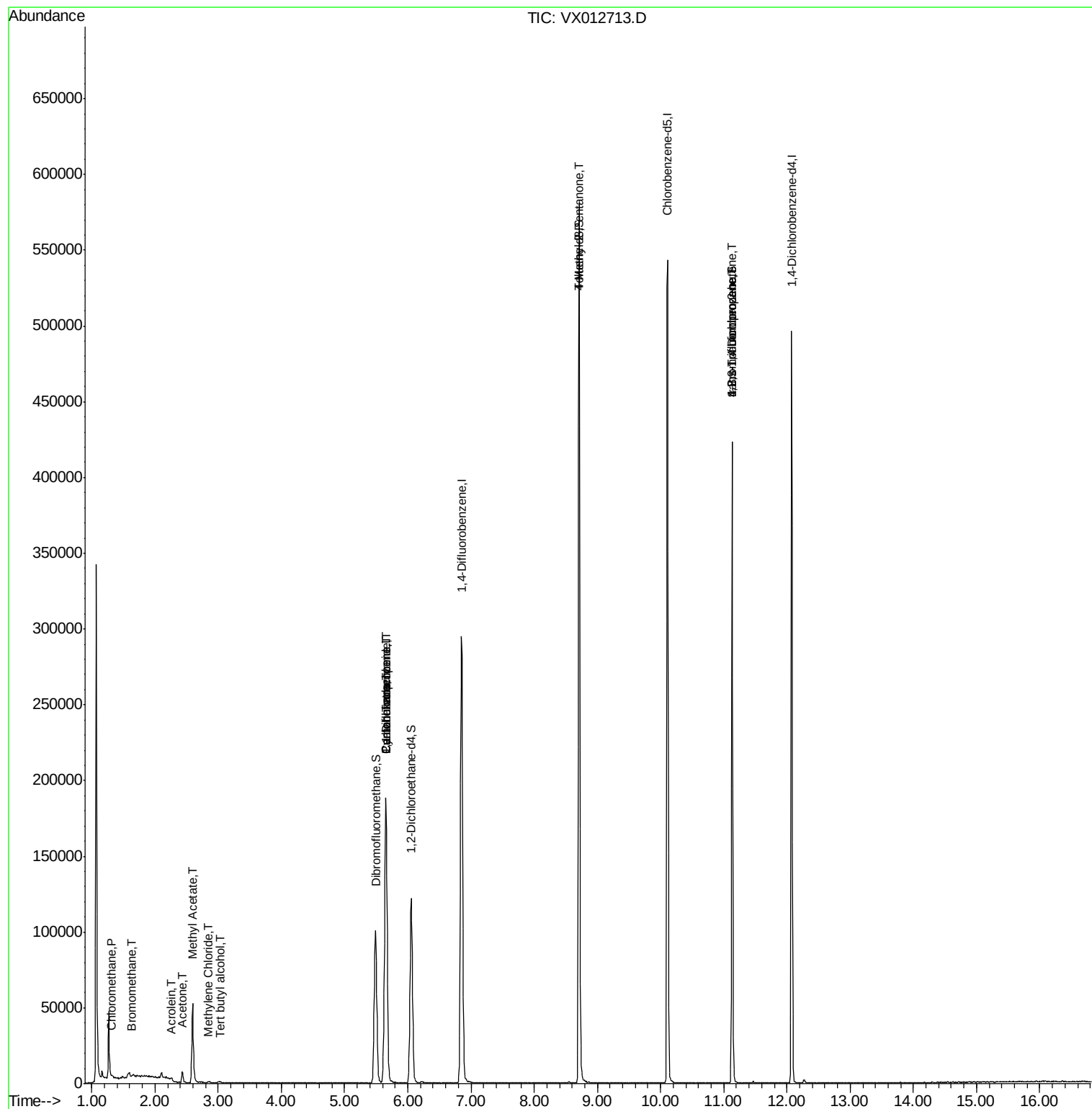
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1032	0.475	ug/l	89
5) Bromomethane	1.64	94	199	0.235	ug/l	88
11) Tert butyl alcohol	3.04	59	1099	1.798	ug/l	97
13) Acrolein	2.27	56	124	10.582	ug/l #	1
16) Acetone	2.43	43	7437	5.738	ug/l	98
18) Methyl Acetate	2.59	43	13448	4.406	ug/l #	54
20) Methylene Chloride	2.84	84	543	0.248	ug/l #	76
31) Cyclohexane	5.65	56	3916	1.150	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14383	5.131	ug/l #	53
38) Carbon Tetrachloride	5.65	117	18080	6.349	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1699	0.502	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	62023	24.228	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	62023	69.433	ug/l #	8

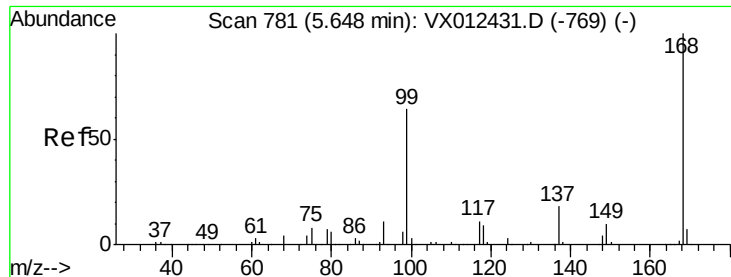
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012713.D

Acq: 30 Sep 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

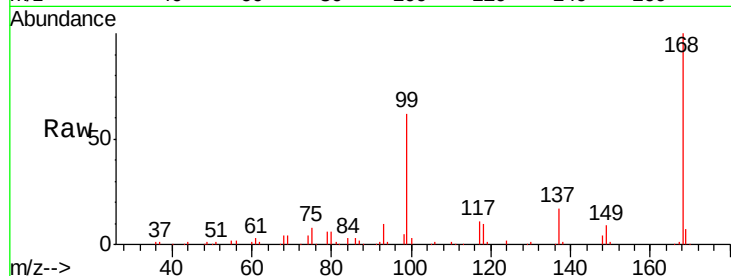
SA-PZ148-20190926

Tgt Ion:168 Resp: 168042

Ion Ratio Lower Upper

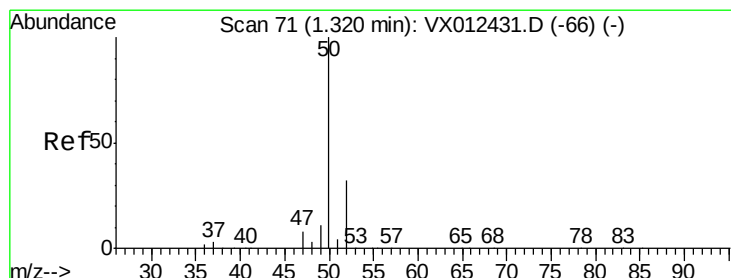
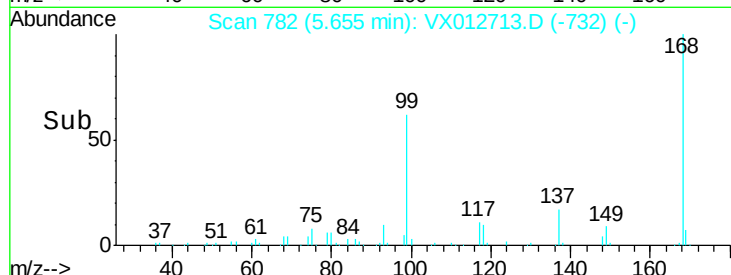
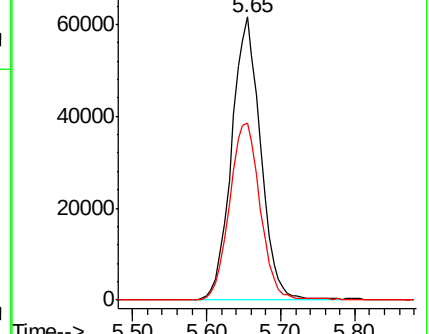
168 100

99 62.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.475 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012713.D

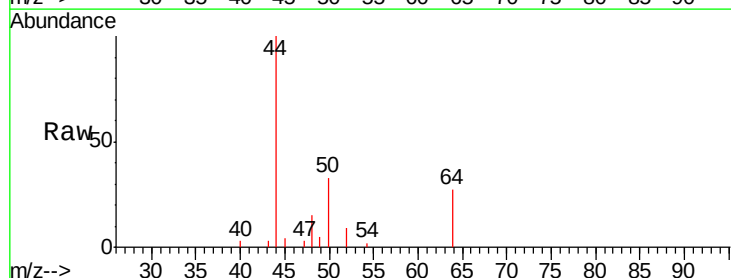
Acq: 30 Sep 2019 18:16

Tgt Ion: 50 Resp: 1032

Ion Ratio Lower Upper

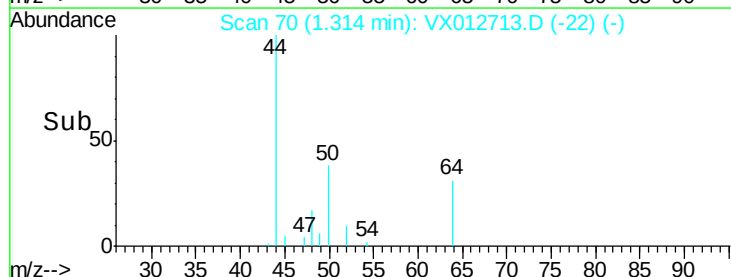
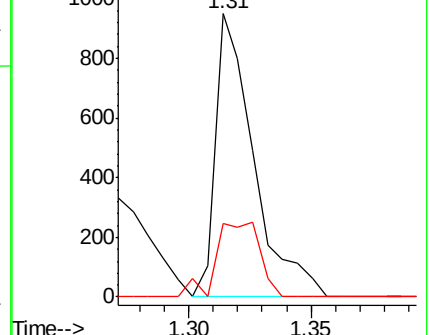
50 100

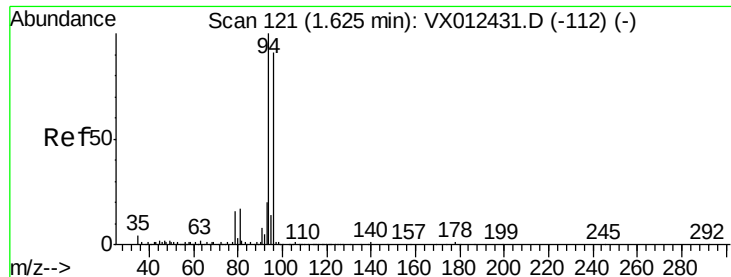
52 25.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.235 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012713.D

Acq: 30 Sep 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

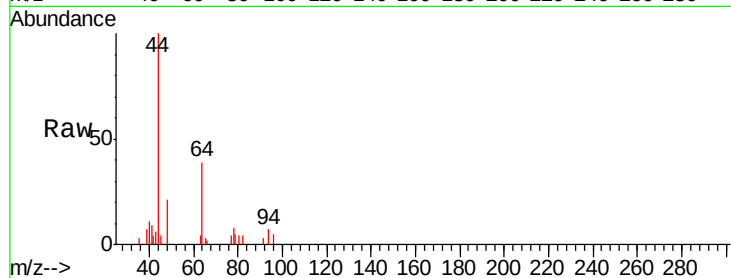
SA-PZ148-20190926

Tgt Ion: 94 Resp: 199

Ion Ratio Lower Upper

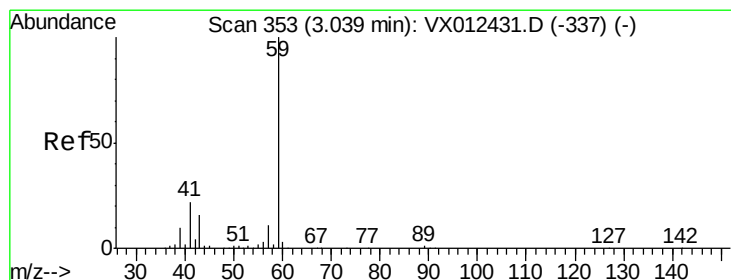
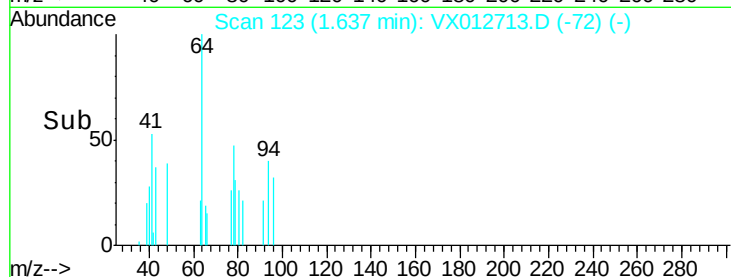
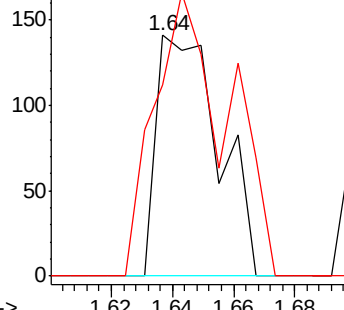
94 100

96 79.4 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 1.798 ug/l

RT: 3.04 min Scan# 353

Delta R.T. 0.00 min

Lab File: VX012713.D

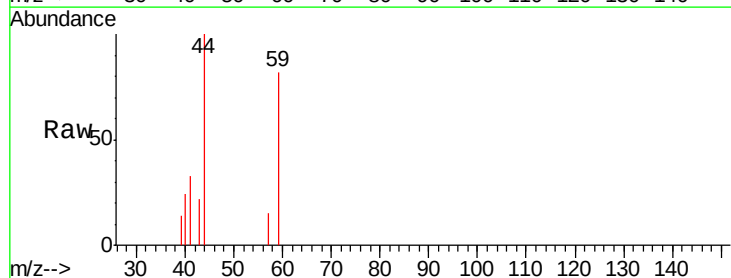
Acq: 30 Sep 2019 18:16

Tgt Ion: 59 Resp: 1099

Ion Ratio Lower Upper

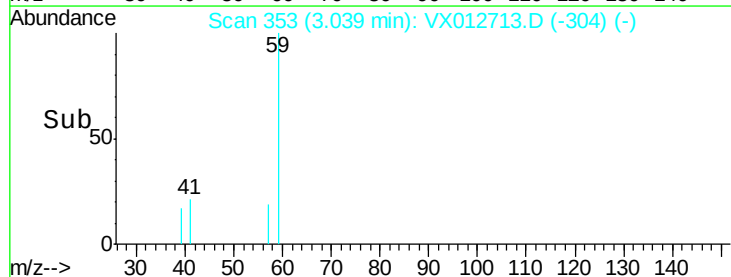
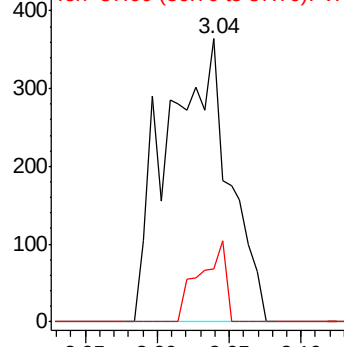
59 100

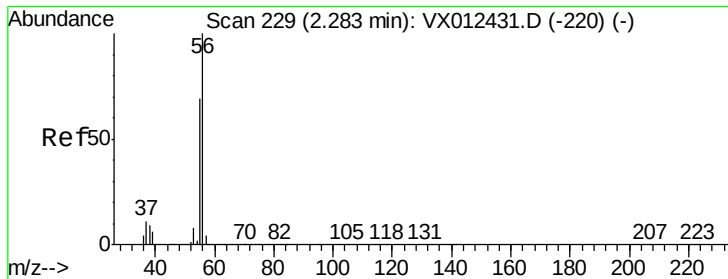
57 11.6 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 10.582 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX012713.D

Acq: 30 Sep 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

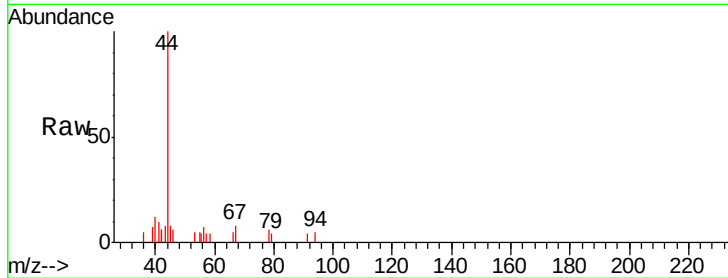
SA-PZ148-20190926

Tgt Ion: 56 Resp: 124

Ion Ratio Lower Upper

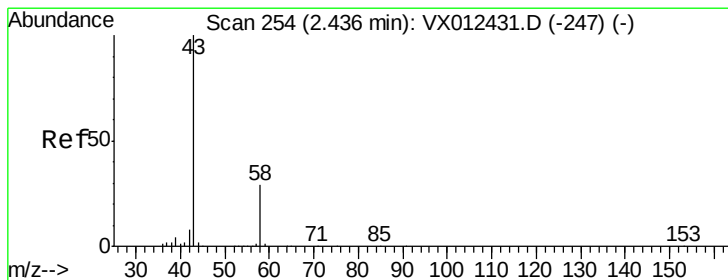
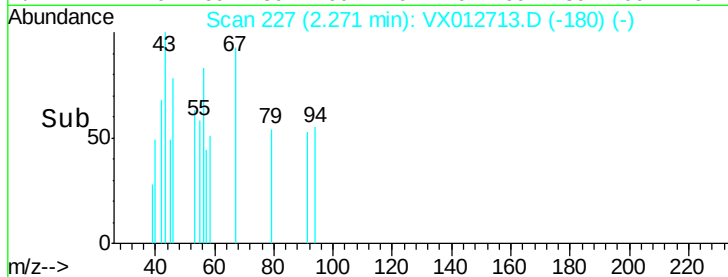
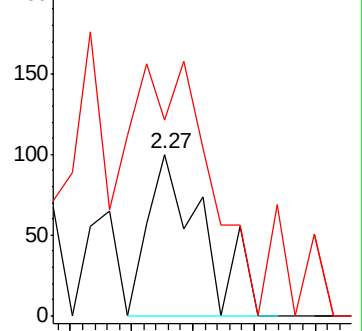
56 100

55 191.9 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 5.738 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012713.D

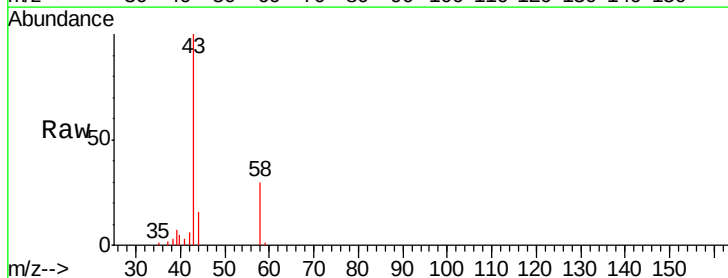
Acq: 30 Sep 2019 18:16

Tgt Ion: 43 Resp: 7437

Ion Ratio Lower Upper

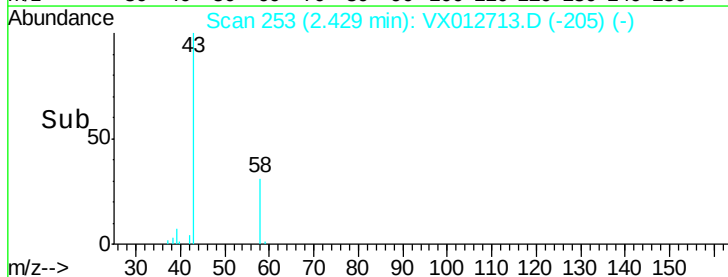
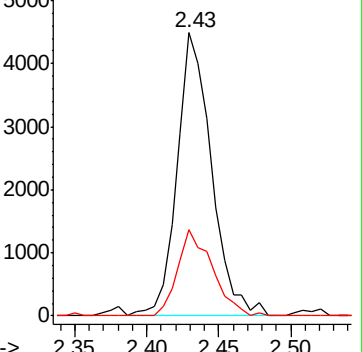
43 100

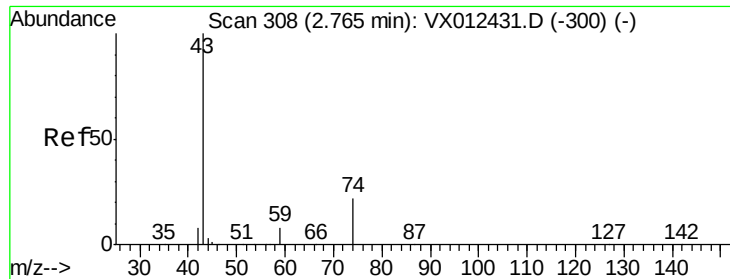
58 30.3 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

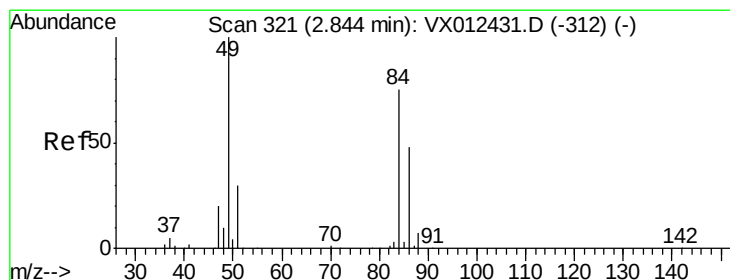
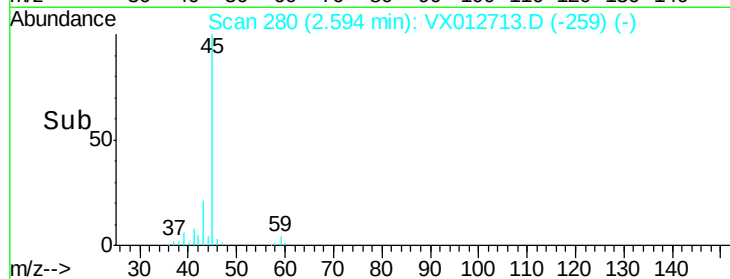
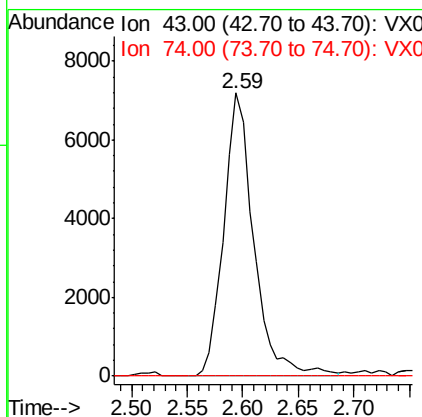
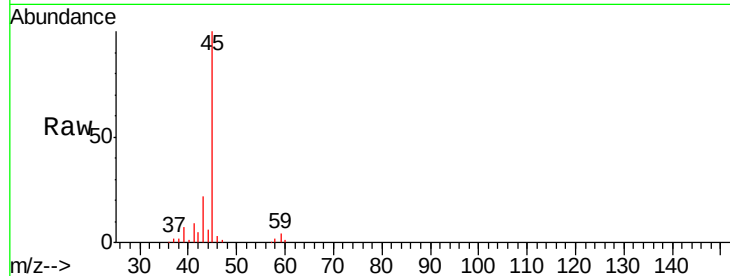




#18
Methyl Acetate
Concen: 4.406 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012713.D
Acq: 30 Sep 2019 18:16

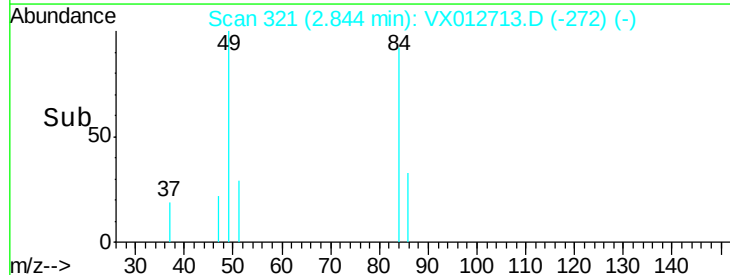
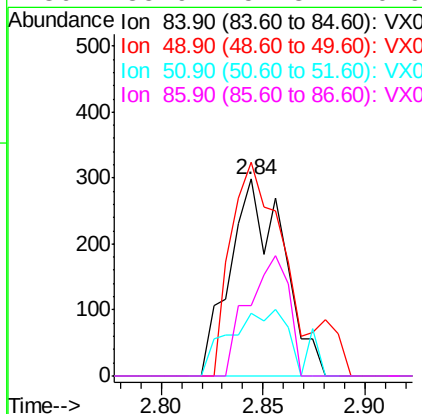
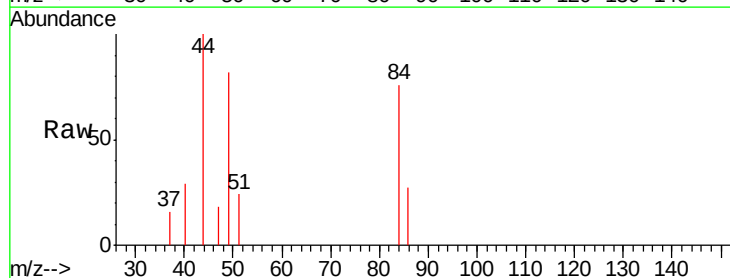
Instrument :
MSVOA_X
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SA-PZ148-20190926

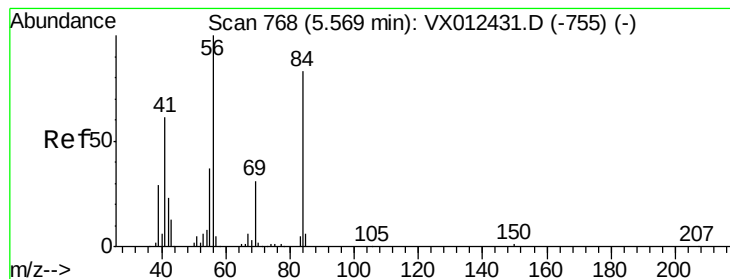
Tgt Ion: 43 Resp: 13448
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.248 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012713.D
Acq: 30 Sep 2019 18:16

Tgt Ion: 84 Resp: 543
Ion Ratio Lower Upper
84 100
49 108.7 106.8 160.2
51 31.9 32.3 48.5#
86 35.9 51.3 76.9#





#31

Cyclohexane

Concen: 1.150 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012713.D

Acq: 30 Sep 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20190926

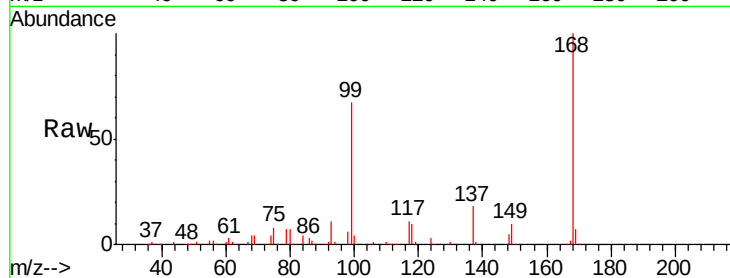
Tgt Ion: 56 Resp: 3916

Ion Ratio Lower Upper

56 100

69 173.3 25.0 37.6#

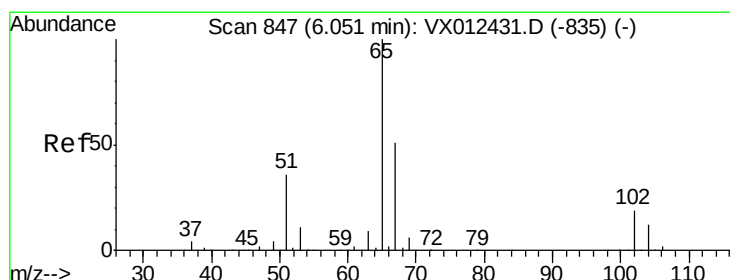
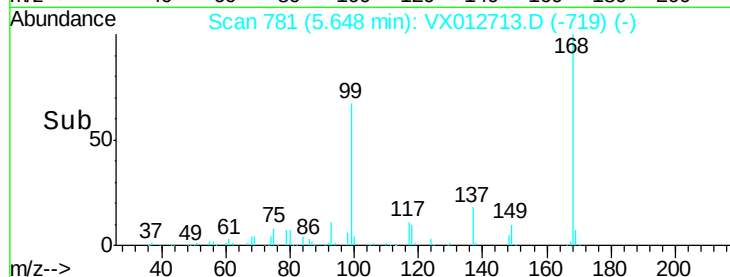
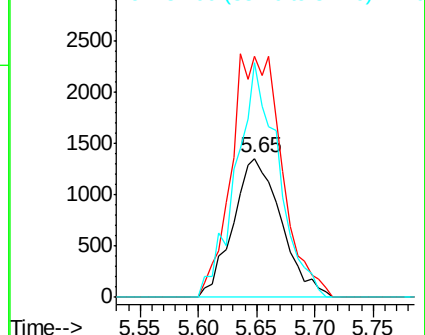
84 168.6 66.4 99.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.521 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012713.D

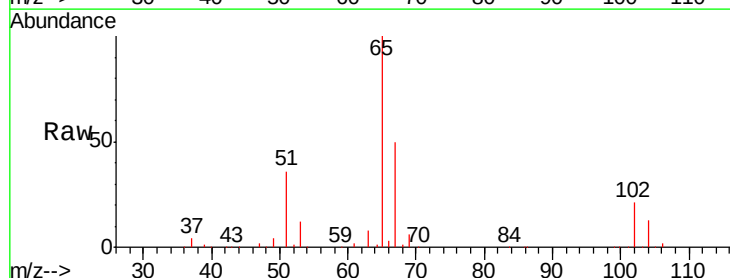
Acq: 30 Sep 2019 18:16

Tgt Ion: 65 Resp: 118732

Ion Ratio Lower Upper

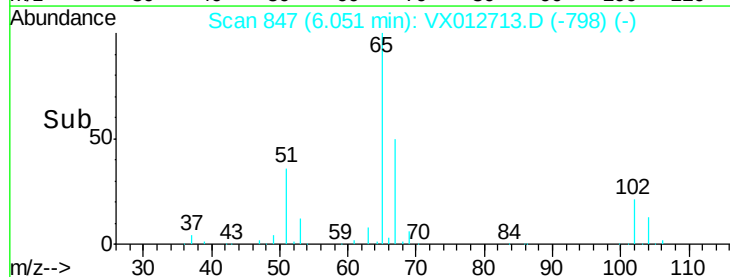
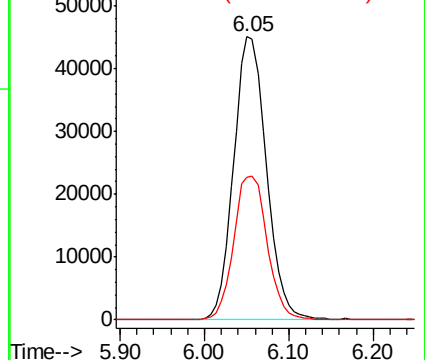
65 100

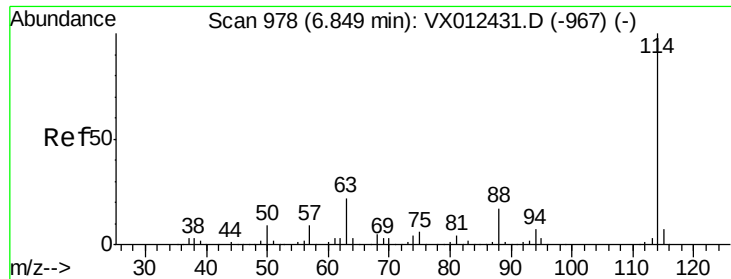
67 51.8 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

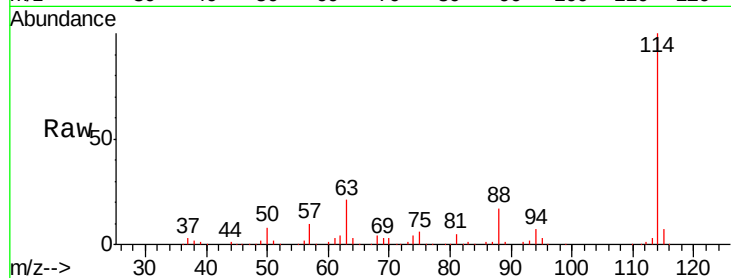




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012713.D
 Acq: 30 Sep 2019 18:16

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20190926

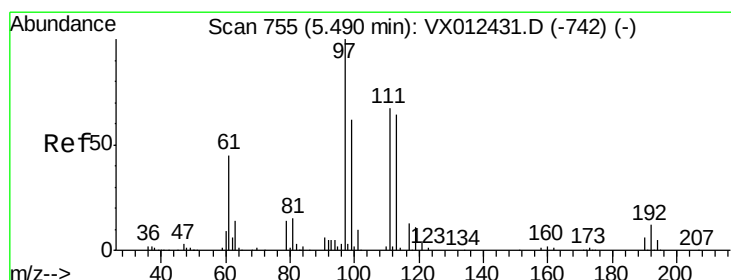
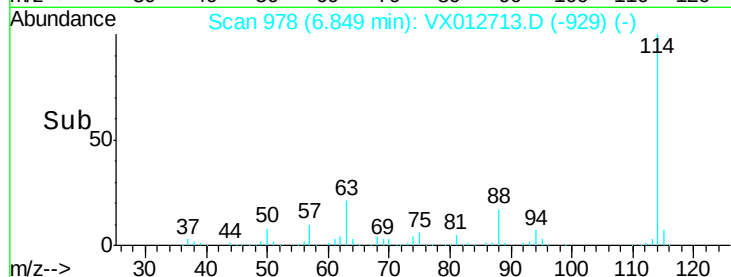
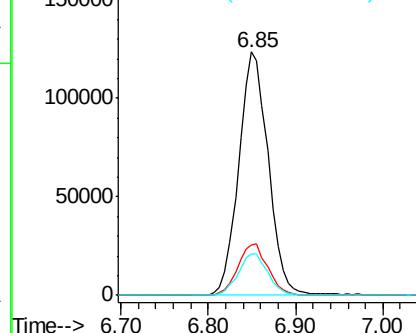
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.2
88	17.1	0.0	33.2



Abundance Ion 113.90 (113.60 to 114.60): V

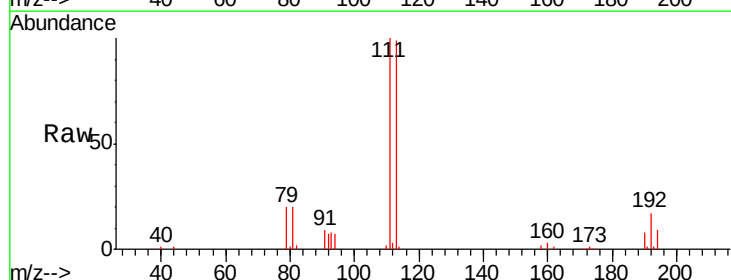
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35
 Dibromofluoromethane
 Concen: 50.888 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012713.D
 Acq: 30 Sep 2019 18:16

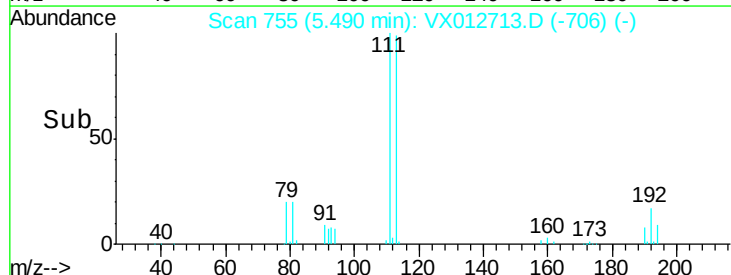
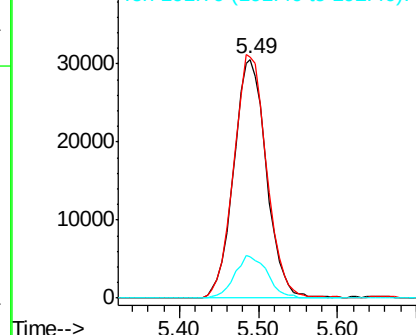
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.4	125.2
192	17.8	14.4	21.6

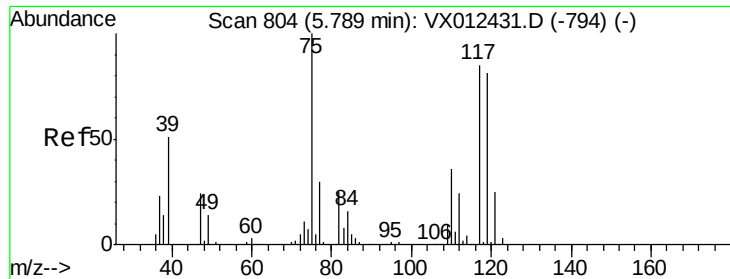


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

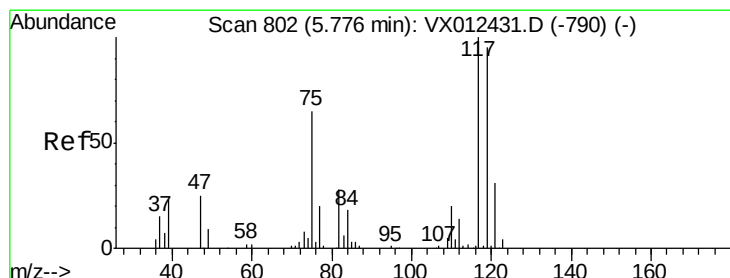
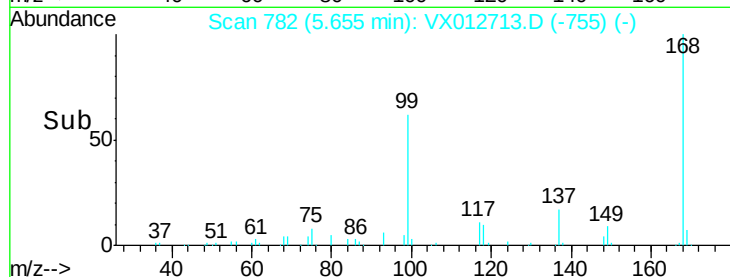
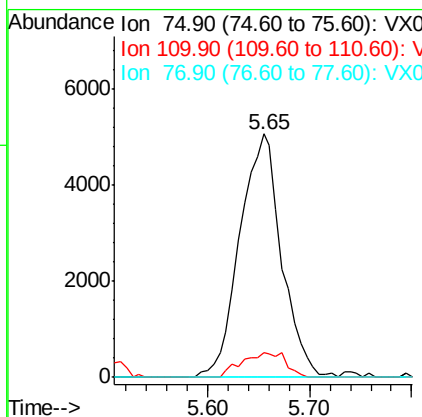
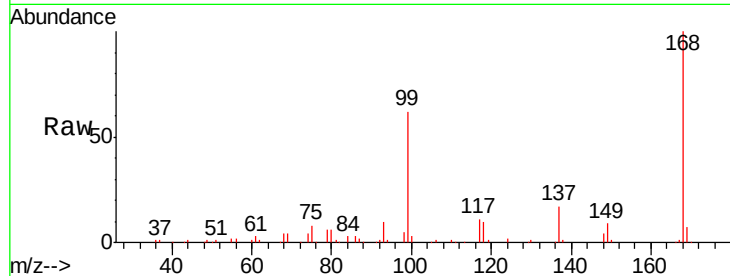




#36
 1,1-Dichloropropene
 Concen: 5.131 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012713.D
 Acq: 30 Sep 2019 18:16

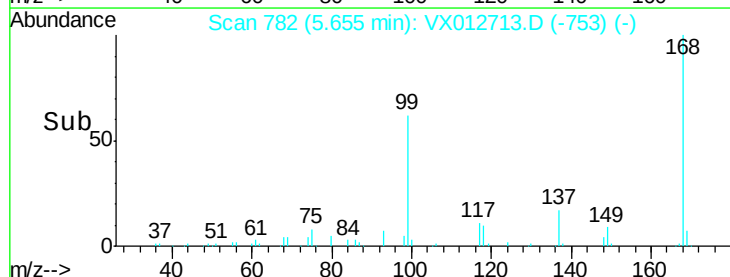
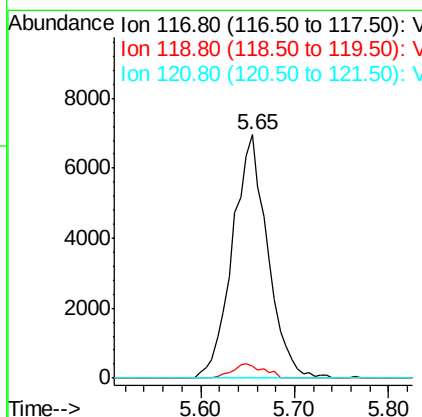
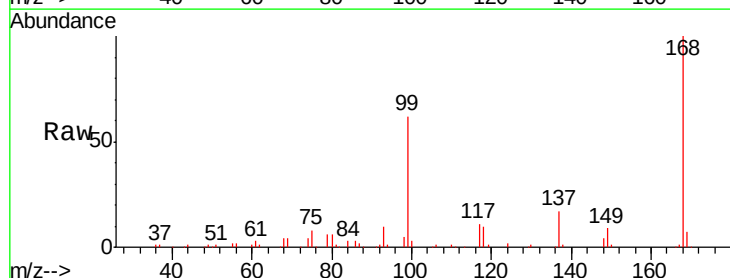
Instrument :
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 SA-PZ148-20190926

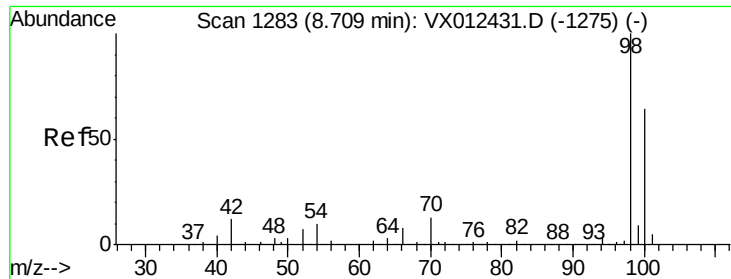
Tgt Ion: 75 Resp: 14383
 Ion Ratio Lower Upper
 75 100
 110 10.8 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.349 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012713.D
 Acq: 30 Sep 2019 18:16

Tgt Ion: 117 Resp: 18080
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.7 113.5#
 121 0.0 24.2 36.4#

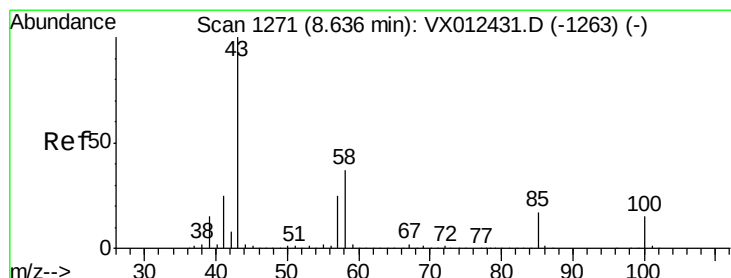
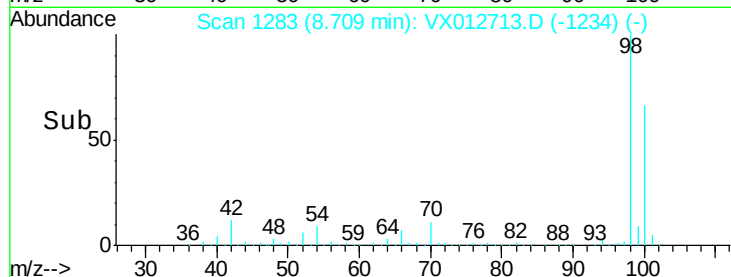
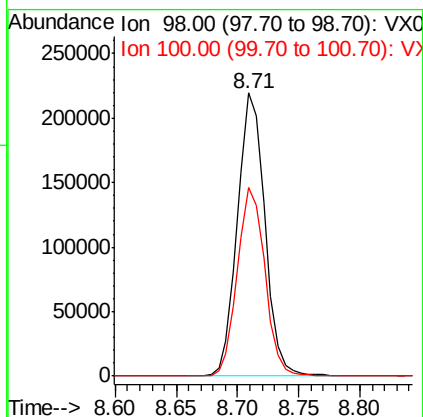
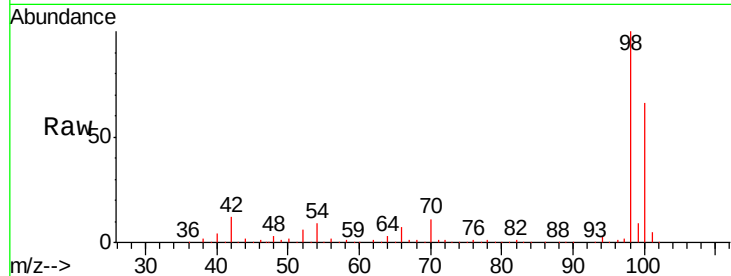




#50
Toluene-d8
Concen: 51.282 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012713.D
Acq: 30 Sep 2019 18:16

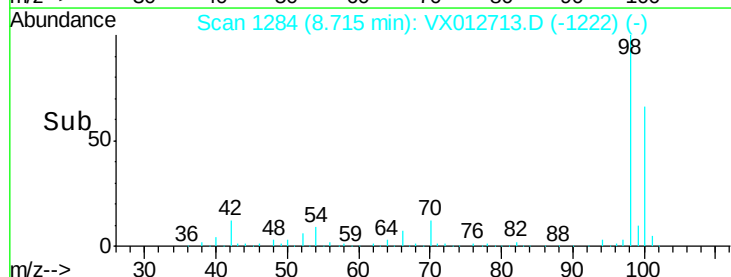
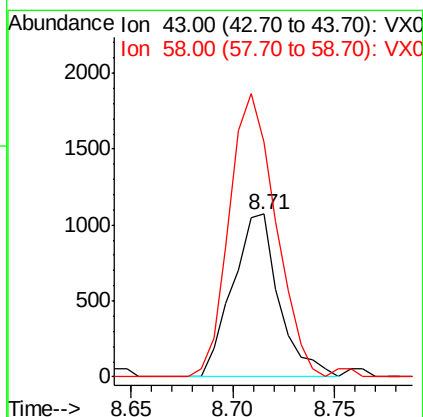
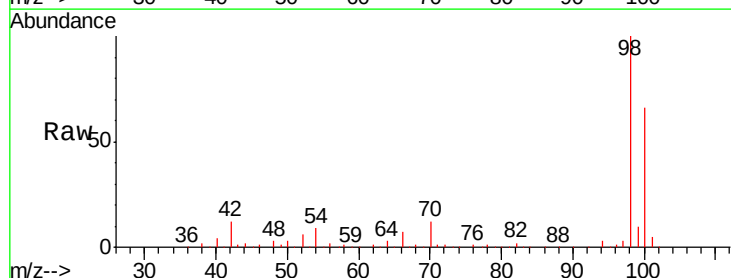
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20190926

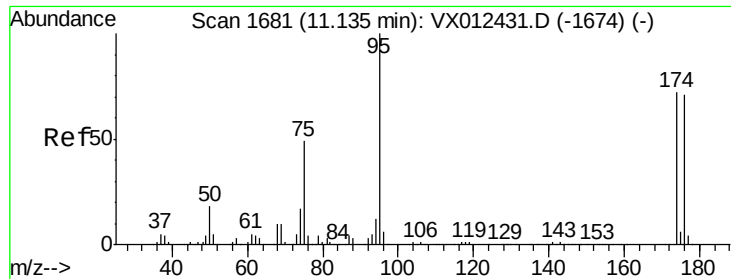
Tgt Ion: 98 Resp: 342072
Ion Ratio Lower Upper
98 100
100 67.2 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.502 ug/l
RT: 8.71 min Scan# 1284
Delta R.T. 0.08 min
Lab File: VX012713.D
Acq: 30 Sep 2019 18:16

Tgt Ion: 43 Resp: 1699
Ion Ratio Lower Upper
43 100
58 173.1 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 45.225 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012713.D

Acq: 30 Sep 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20190926

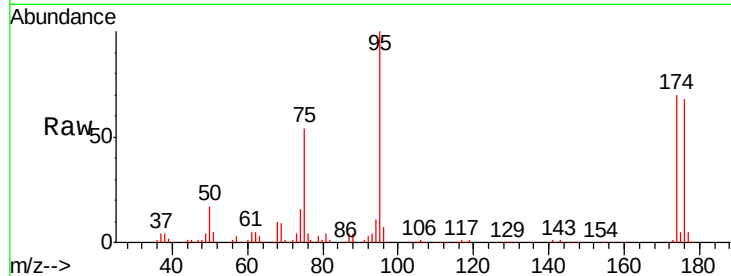
Tgt Ion: 95 Resp: 118616

Ion Ratio Lower Upper

95 100

174 67.3 0.0 140.0

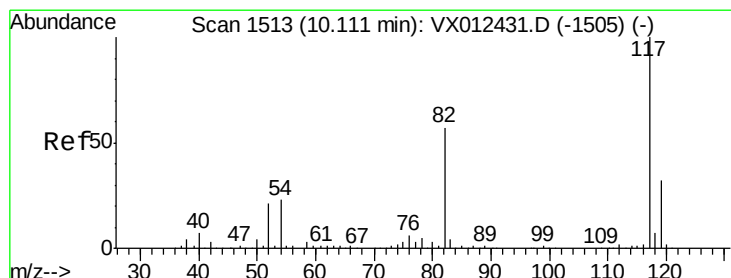
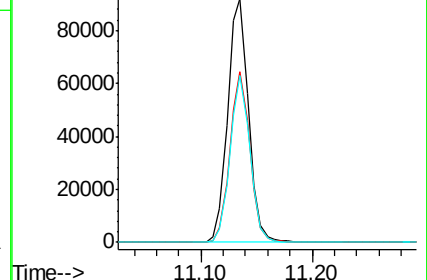
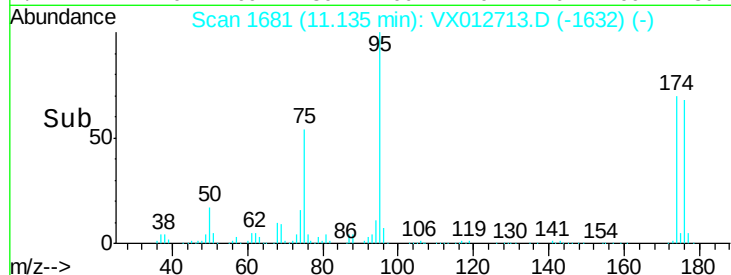
176 65.3 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012713.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012713.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012713.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012713.D

Acq: 30 Sep 2019 18:16

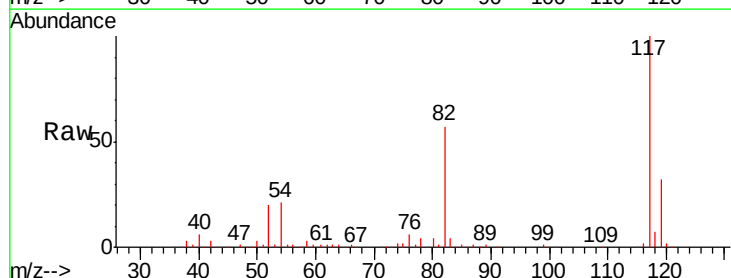
Tgt Ion: 117 Resp: 247359

Ion Ratio Lower Upper

117 100

82 57.4 45.9 68.9

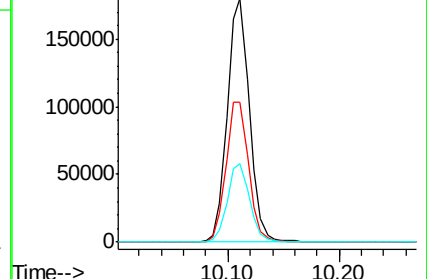
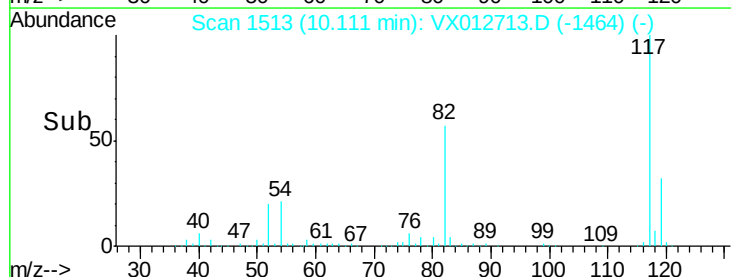
119 32.1 25.3 37.9

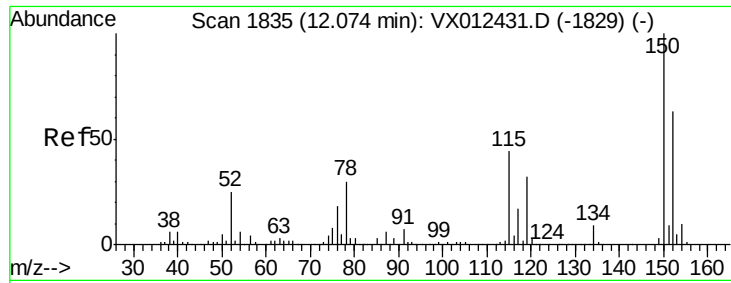


Abundance Ion 116.90 (116.60 to 117.60): VX012713.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012713.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012713.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012713.D

Acq: 30 Sep 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20190926

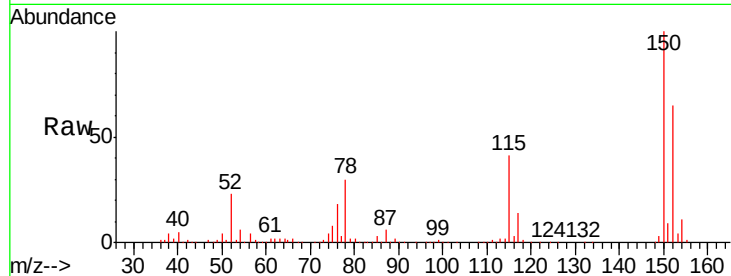
Tgt Ion:152 Resp: 96775

Ion Ratio Lower Upper

152 100

115 63.4 44.1 132.3

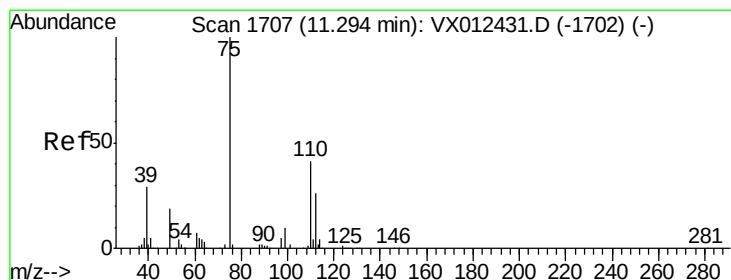
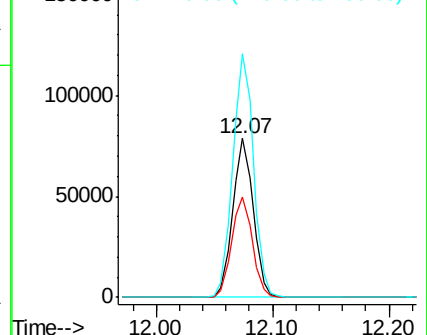
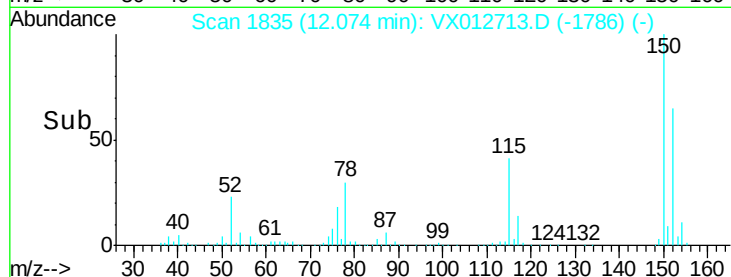
150 154.3 0.0 343.8



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: 24.228 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012713.D

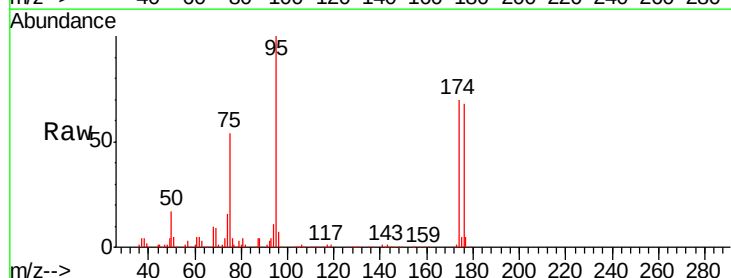
Acq: 30 Sep 2019 18:16

Tgt Ion: 75 Resp: 62023

Ion Ratio Lower Upper

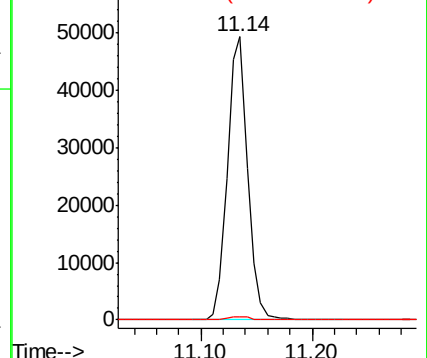
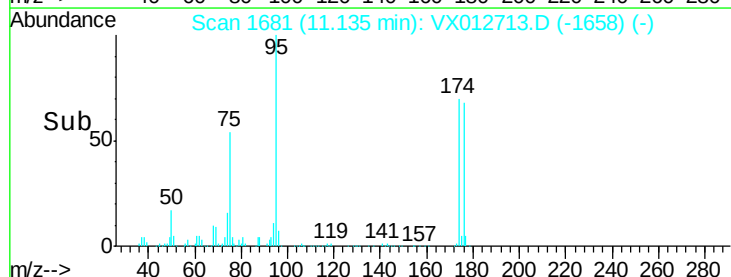
75 100

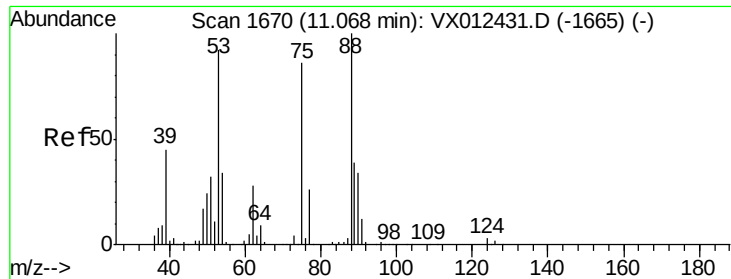
77 1.3 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 69.433 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012713.D

Acq: 30 Sep 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20190926

Tgt Ion: 75 Resp: 62023

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

