

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003775.D
 Acq On : 01 Aug 2018 03:29
 Operator : JC/SP
 Sample : J4136-04
 Misc : 10.11G/5.0mL/MSVOA X/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CON-SB-03-19-21

Quant Time: Aug 01 06:45:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	100900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	147528	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	107249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	44970	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	47126	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
35) Dibromofluoromethane	5.51	113	43466	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	8.72	98	130261	35.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.94%	
62) 4-Bromofluorobenzene	11.14	95	38530	28.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.70%	

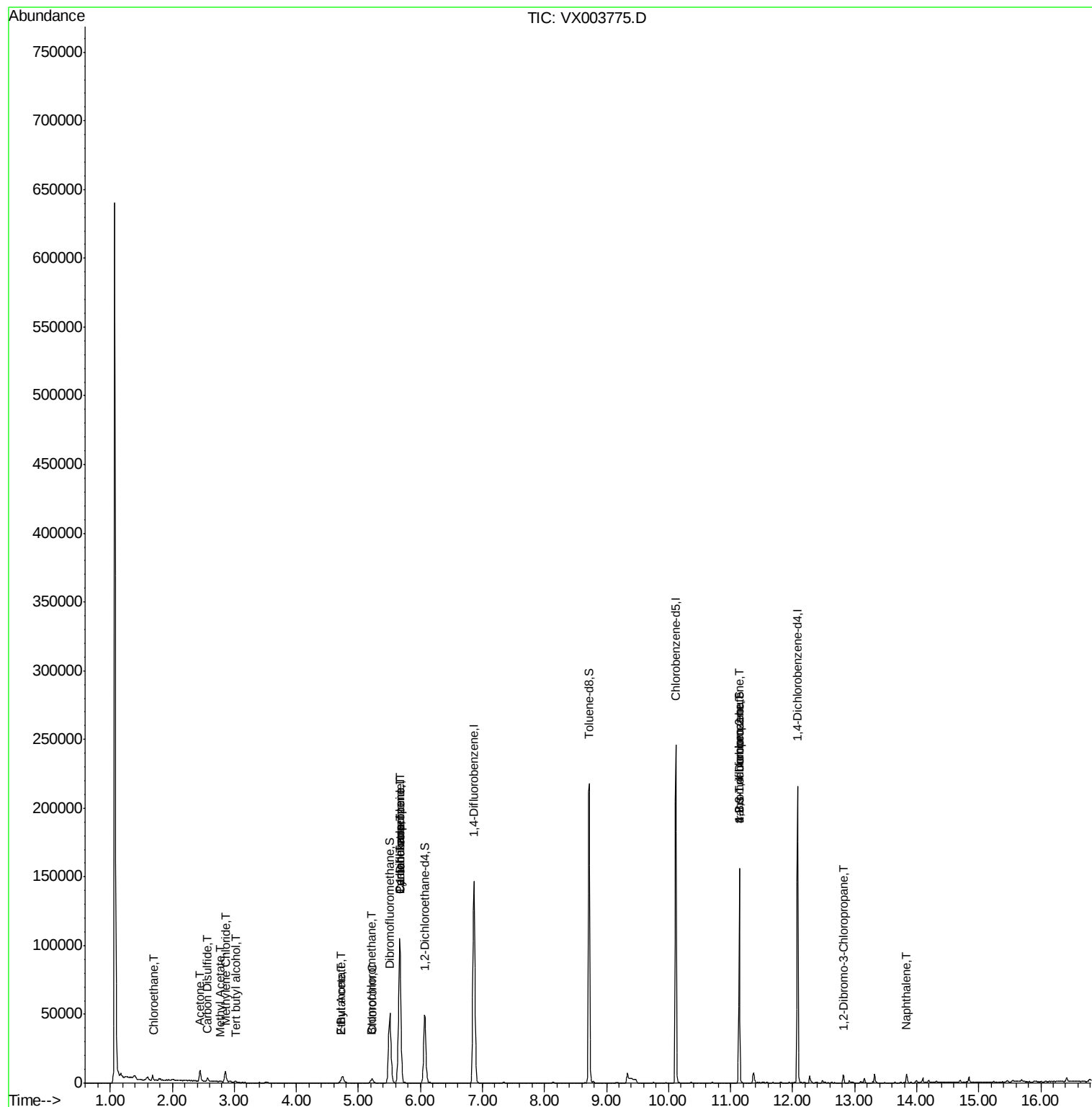
Target Compounds				Qvalue		
5) Bromomethane	1.65	94	48	Below Cal	#	2
6) Chloroethane	1.71	64	668	0.88	ug/l #	42
11) Tert butyl alcohol	3.02	59	671	4.06	ug/l #	73
16) Acetone	2.45	43	8049	20.65	ug/l	93
17) Carbon Disulfide	2.57	76	3296	1.12	ug/l #	88
18) Methyl Acetate	2.78	43	440	0.40	ug/l #	73
20) Methylene Chloride	2.86	84	3917	0.67	ug/l	89
25) 2-Butanone	4.71	43	929	1.63	ug/l	92
28) Bromochloromethane	5.20	49	230	0.30	ug/l #	8
30) Chloroform	5.22	83	3606	2.17	ug/l	90
31) Cyclohexane	5.66	56	1854	1.14	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	6880	4.98	ug/l #	48
37) Ethyl Acetate	4.71	43	929	0.88	ug/l #	68
38) Carbon Tetrachloride	5.67	117	9056	7.09	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	18752	30.25	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	18752	89.61	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.81	75	150	1.03	ug/l #	1
95) Naphthalene	13.83	128	4118	1.76	ug/l	98

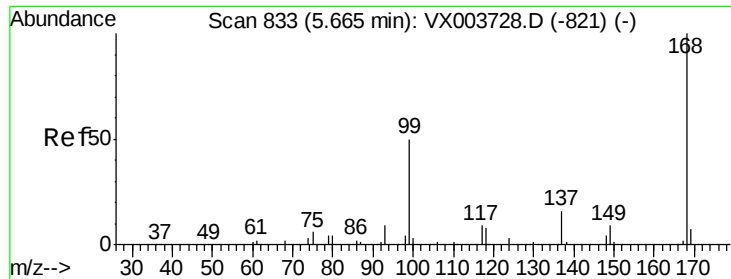
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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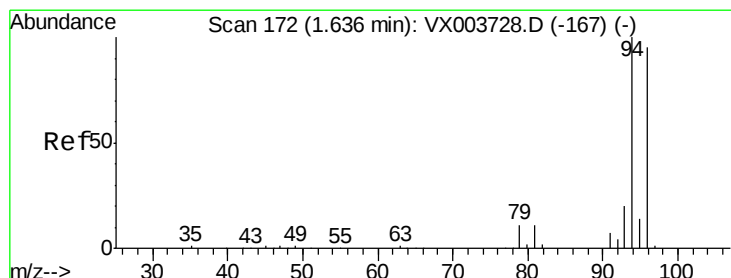
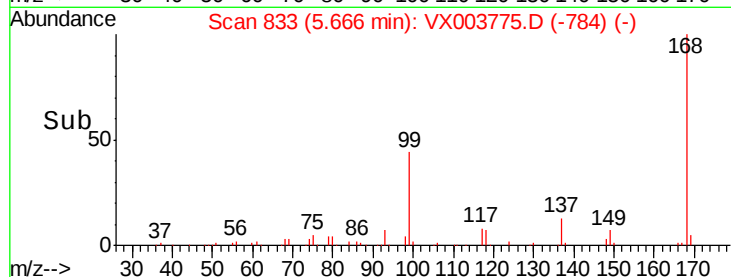
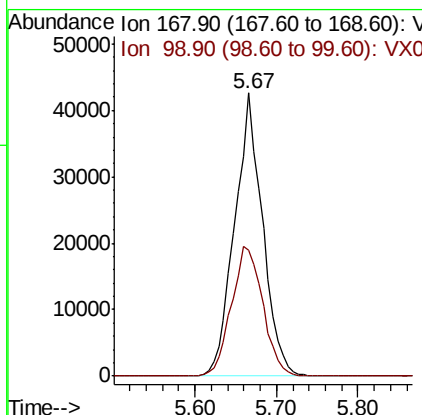
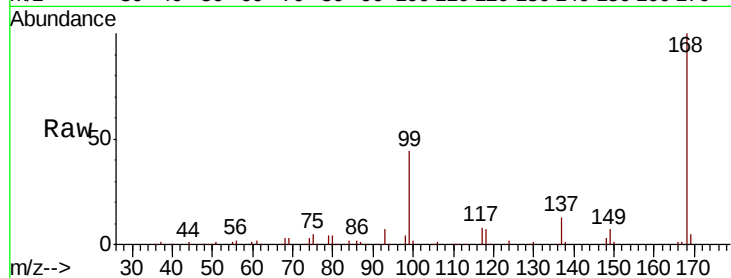




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003775.D
Acq: 01 Aug 2018 03:29

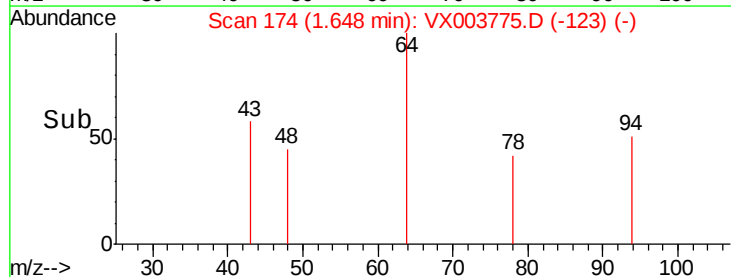
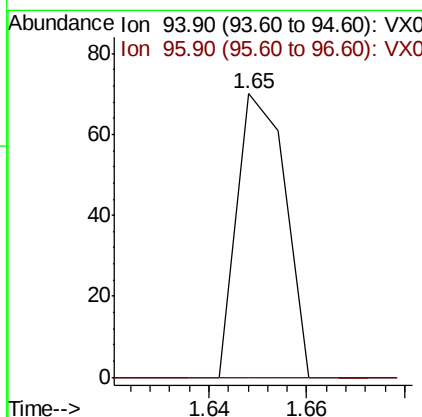
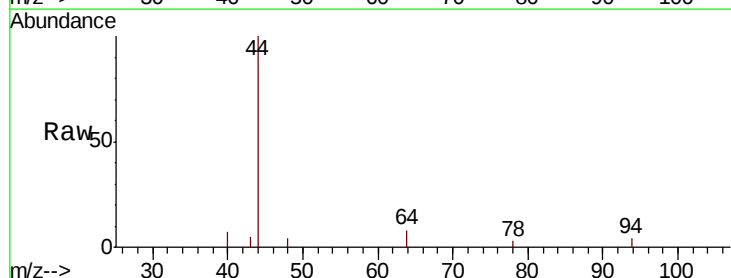
Instrument :
MSVOA_X
ClientSampleId :
CON-SB-03-19-21

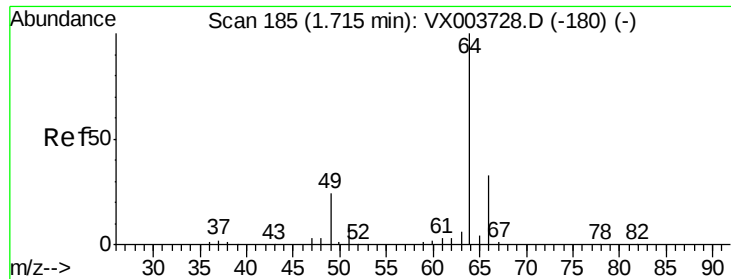
Tot Ion:168 Resp: 100900
Ion Ratio Lower Upper
168 100
99 44.5 40.2 60.2



#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 174
Delta R.T. 0.01 min
Lab File: VX003775.D
Acq: 01 Aug 2018 03:29

Tgt Ion: 94 Resp: 48
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#





#6

Chloroethane

Concen: 0.88 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.00 min

Lab File: VX003775.D

Acq: 01 Aug 2018 03:29

Instrument :

MSVOA_X

ClientSampleId :

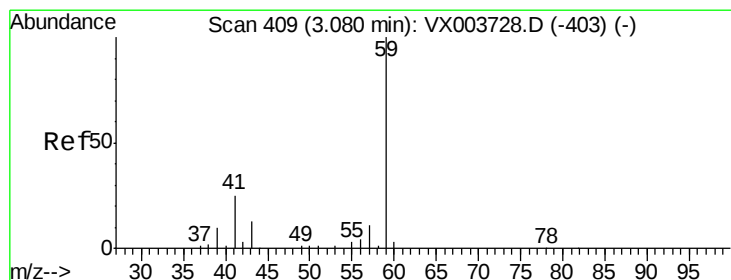
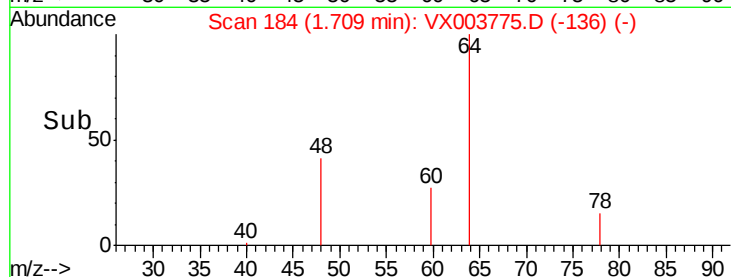
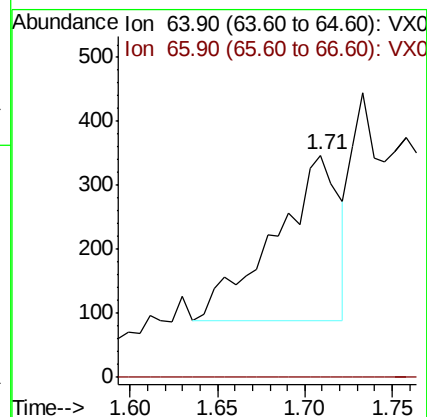
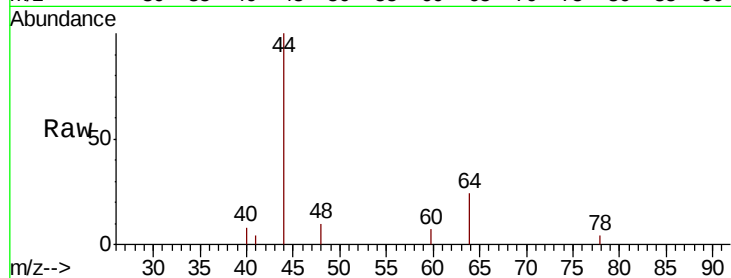
CON-SB-03-19-21

Tot Ion: 64 Resp: 668

Ion Ratio Lower Upper

64 100

66 0.0 26.4 39.6#



#11

Tert butyl alcohol

Concen: 4.06 ug/l

RT: 3.02 min Scan# 399

Delta R.T. -0.06 min

Lab File: VX003775.D

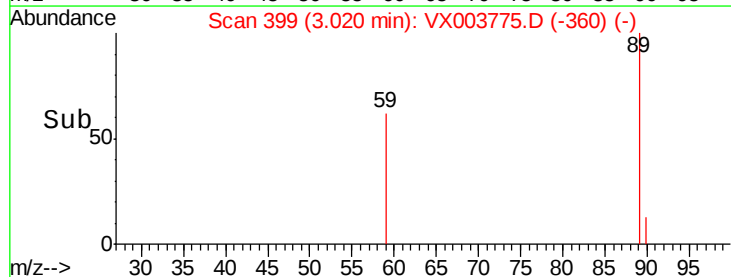
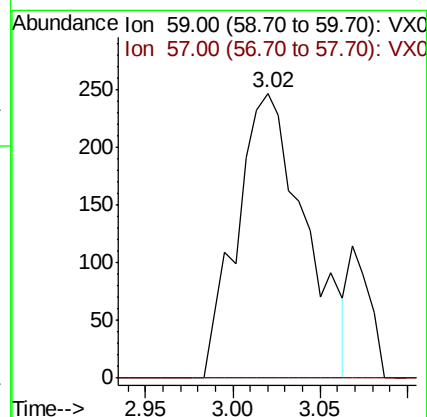
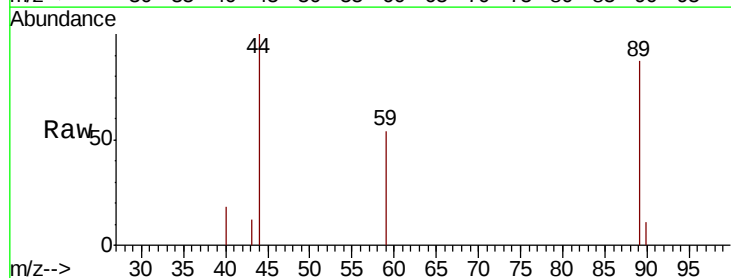
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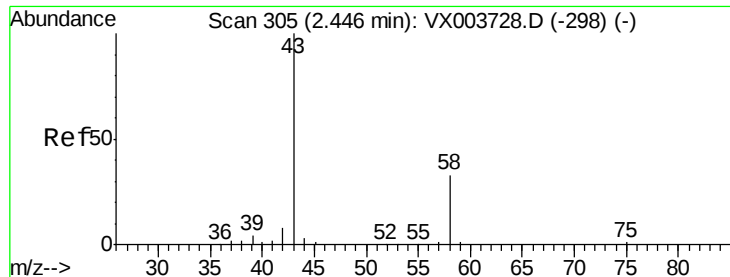
Tgt Ion: 59 Resp: 671

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#





#16

Acetone

Concen: 20.65 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003775.D

Acq: 01 Aug 2018 03:29

Instrument :

MSVOA_X

ClientSampleId :

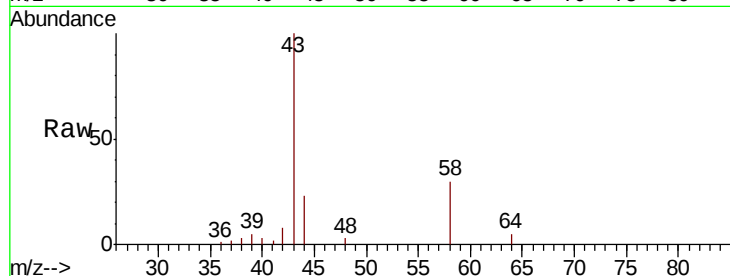
CON-SB-03-19-21

Tot Ion: 43 Resp: 8049

Ion Ratio Lower Upper

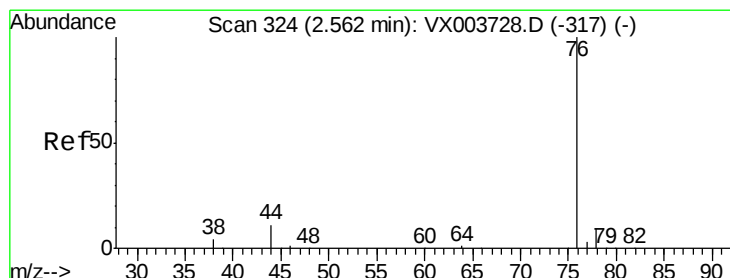
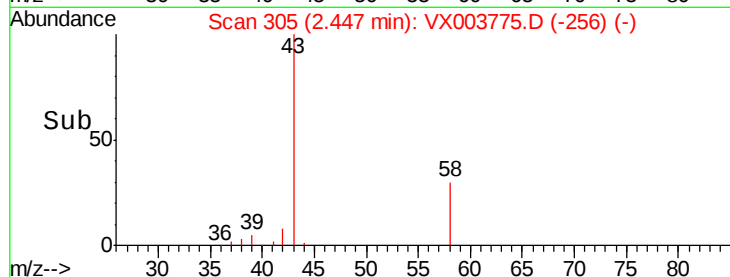
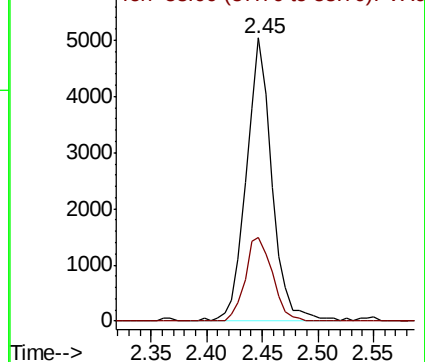
43 100

58 29.7 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.12 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003775.D

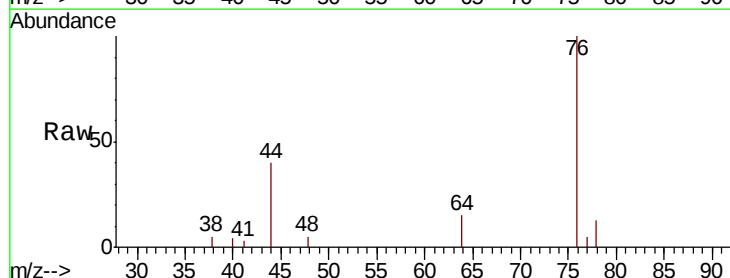
Acq: 01 Aug 2018 03:29

Tgt Ion: 76 Resp: 3296

Ion Ratio Lower Upper

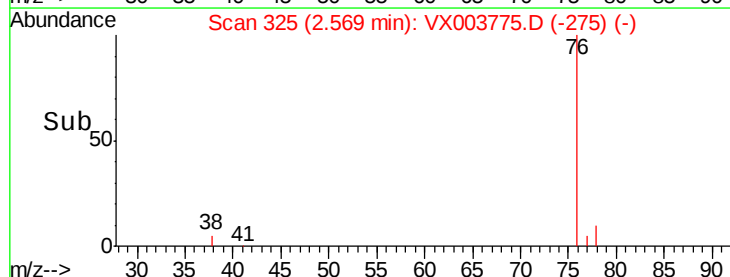
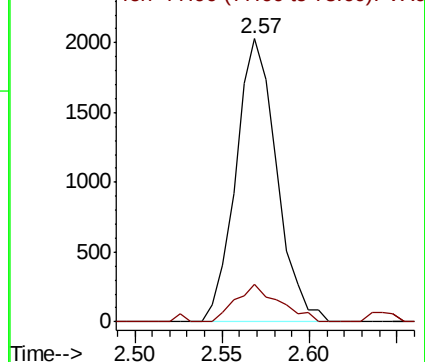
76 100

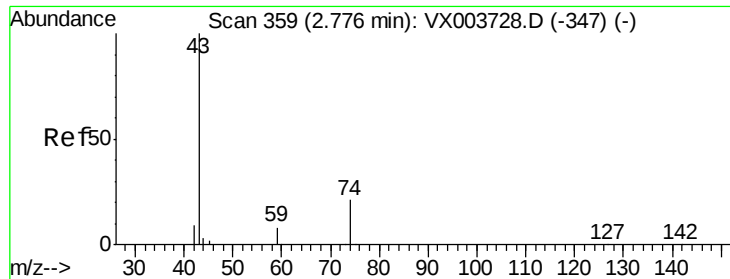
78 13.4 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

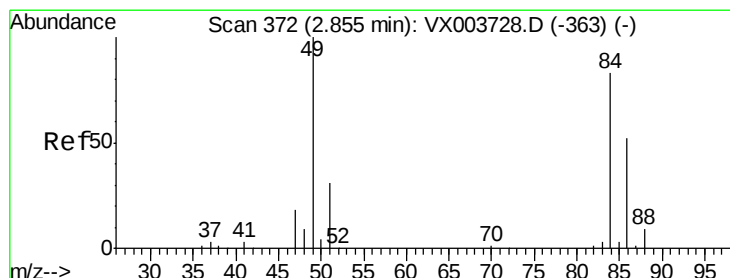
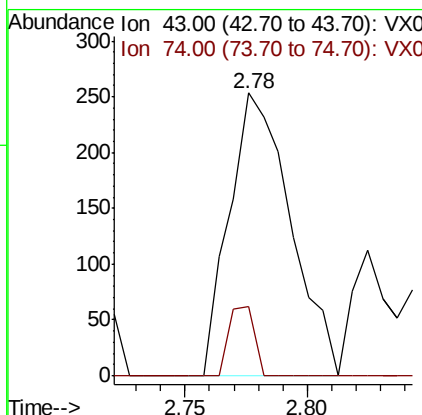
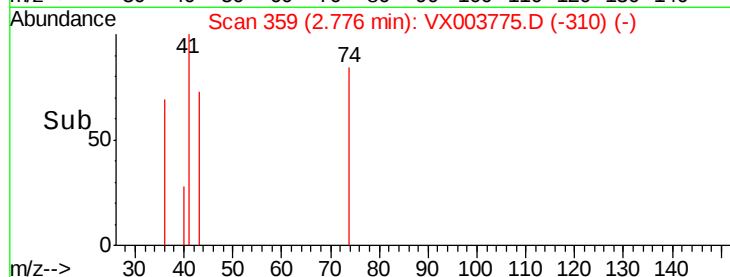
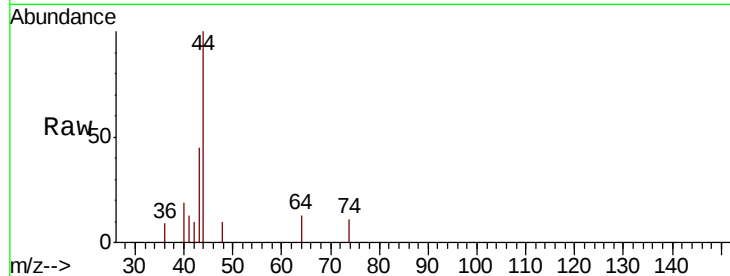




#18
Methyl Acetate
Concen: 0.40 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.00 min
Lab File: VX003775.D
Acq: 01 Aug 2018 03:29

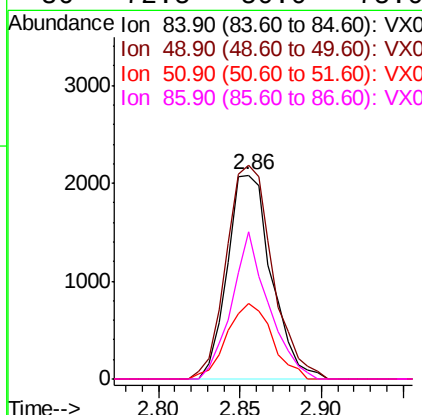
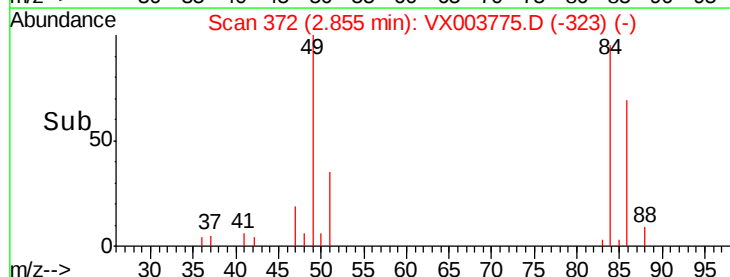
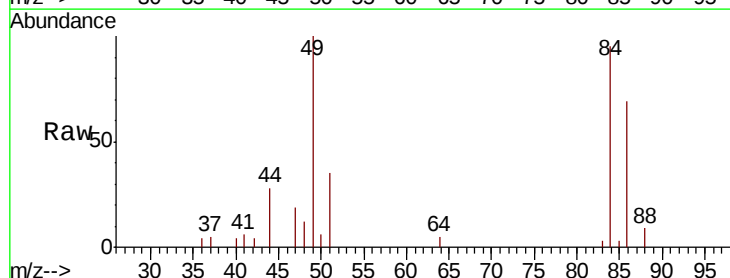
Instrument :
MSVOA_X
ClientSampleId :
CON-SB-03-19-21

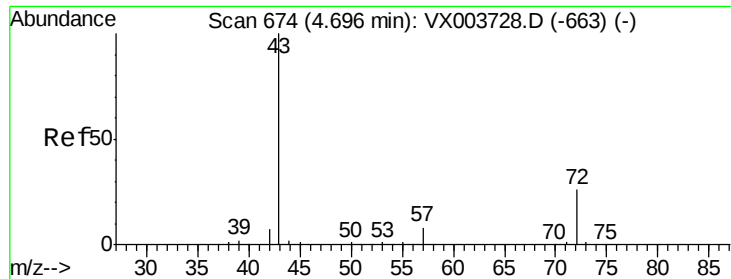
Tot Ion: 43 Resp: 440
Ion Ratio Lower Upper
43 100
74 10.2 18.9 28.3#



#20
Methylene Chloride
Concen: 0.67 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003775.D
Acq: 01 Aug 2018 03:29

Tgt Ion: 84 Resp: 3917
Ion Ratio Lower Upper
84 100
49 104.7 95.8 143.8
51 37.0 29.6 44.4
86 72.5 50.0 75.0

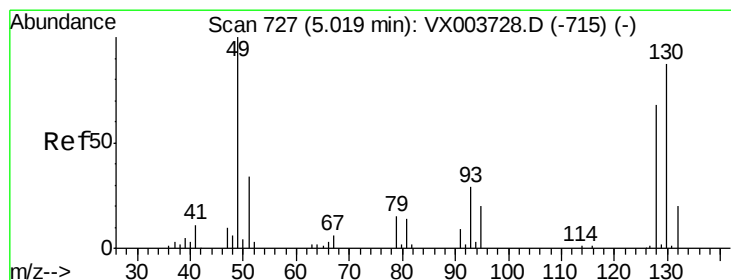
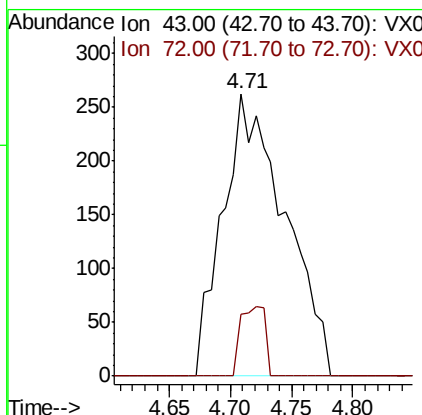
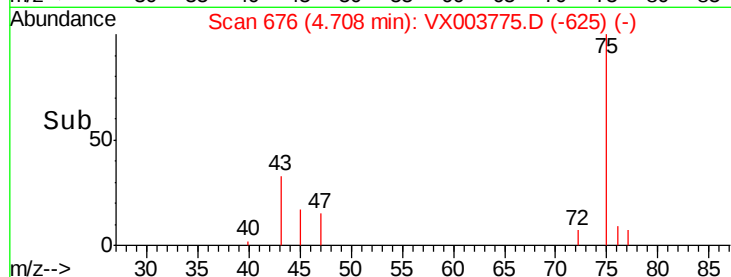
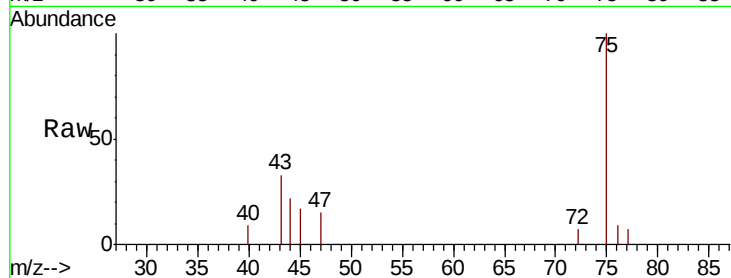




#25
 2-Butanone
 Concen: 1.63 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX003775.D
 Acq: 01 Aug 2018 03:29

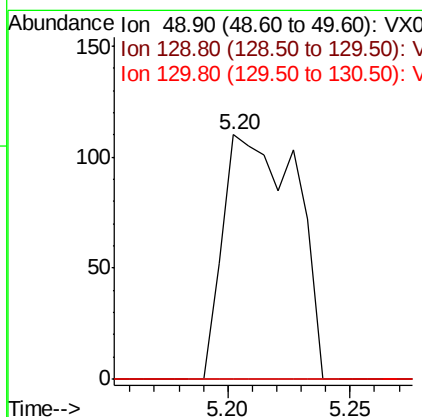
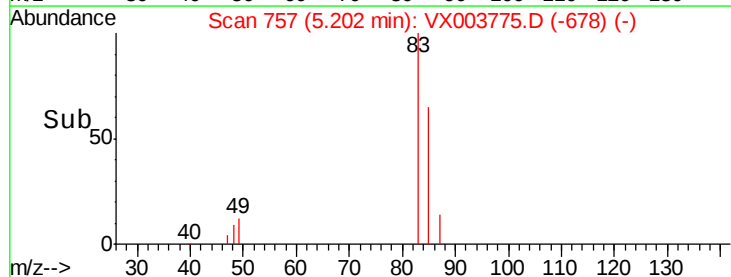
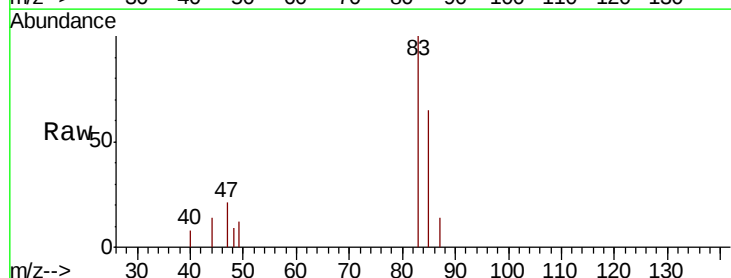
Instrument :
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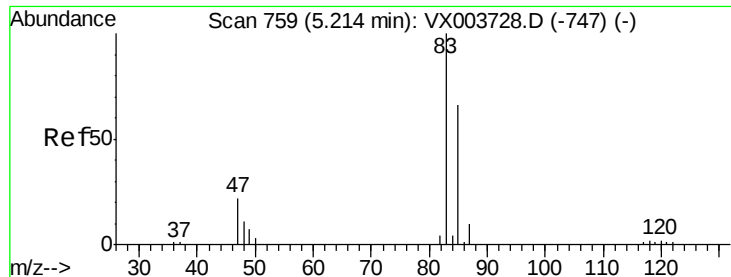
Tot Ion: 43 Resp: 929
 Ion Ratio Lower Upper
 43 100
 72 22.1 20.9 31.3



#28
 Bromochloromethane
 Concen: 0.30 ug/l
 RT: 5.20 min Scan# 757
 Delta R.T. 0.18 min
 Lab File: VX003775.D
 Acq: 01 Aug 2018 03:29

Tgt Ion: 49 Resp: 230
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 0.0 68.9 103.3#

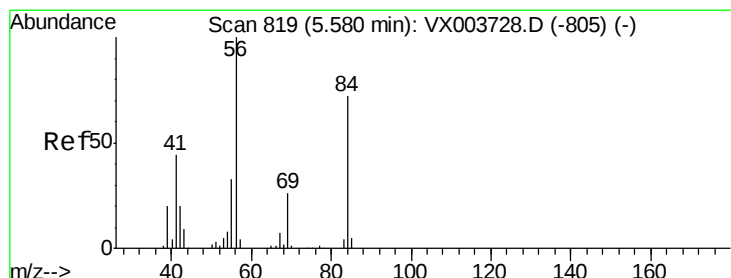
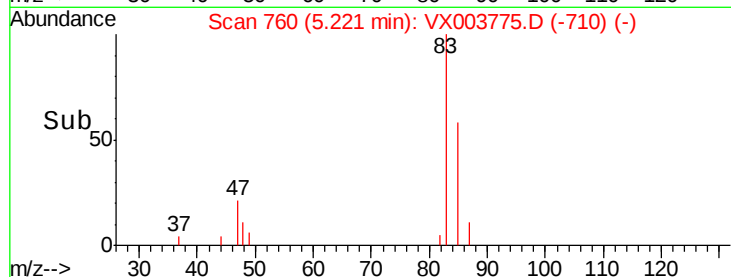
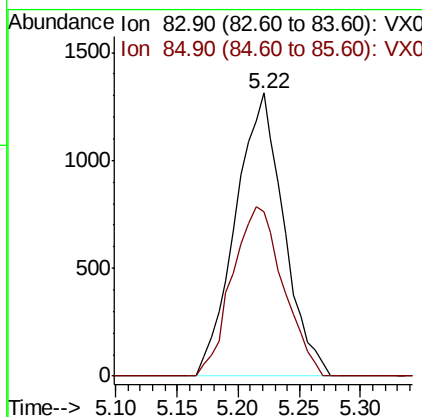
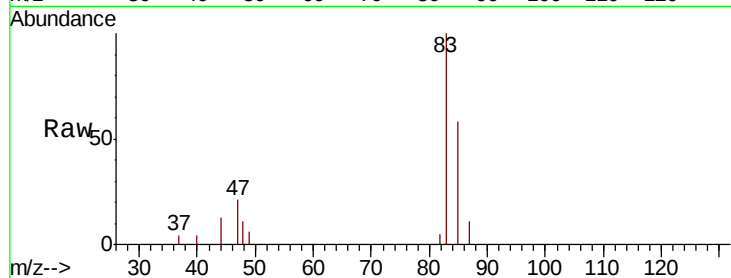




#30
Chloroform
Concen: 2.17 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003775.D
Acq: 01 Aug 2018 03:29

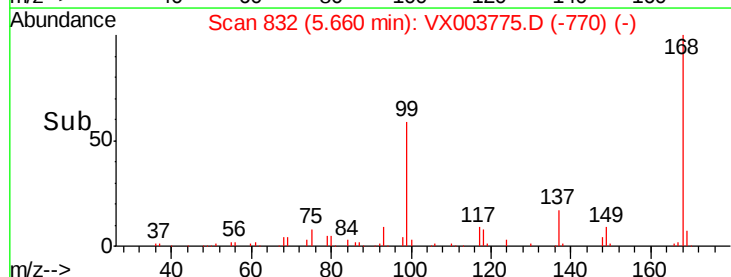
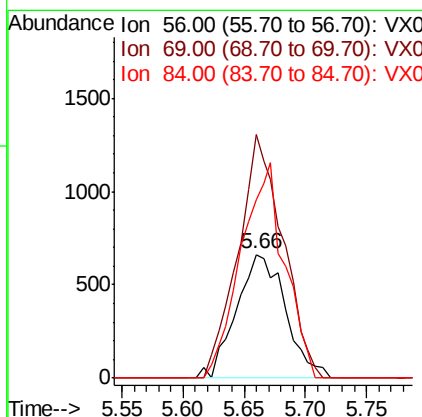
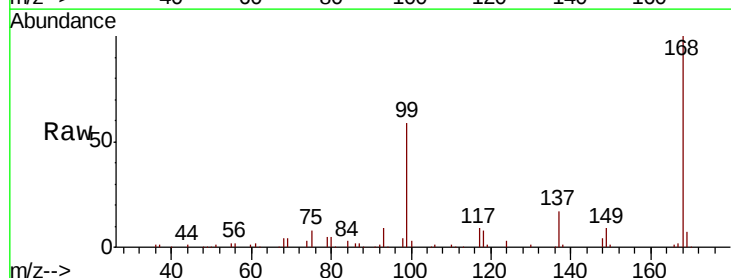
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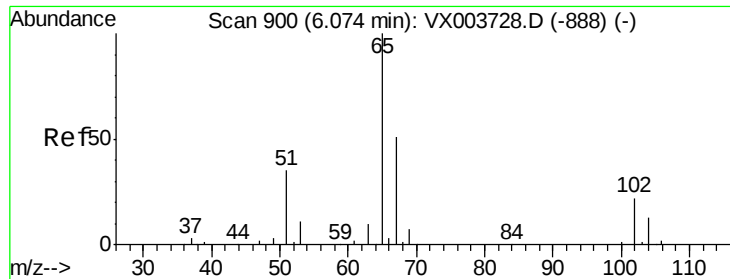
Tot Ion: 83 Resp: 3606
Ion Ratio Lower Upper
83 100
85 58.0 52.8 79.2



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX003775.D
Acq: 01 Aug 2018 03:29

Tgt Ion: 56 Resp: 1854
Ion Ratio Lower Upper
56 100
69 197.1 20.6 30.8#
84 144.0 57.9 86.9#

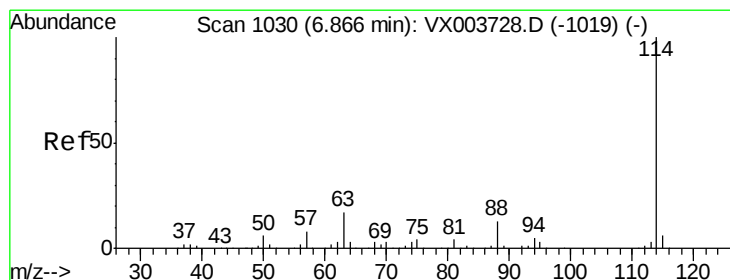
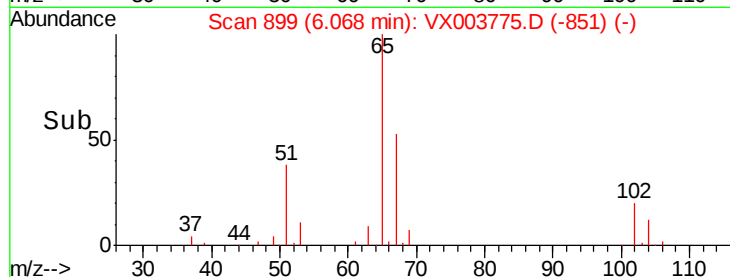
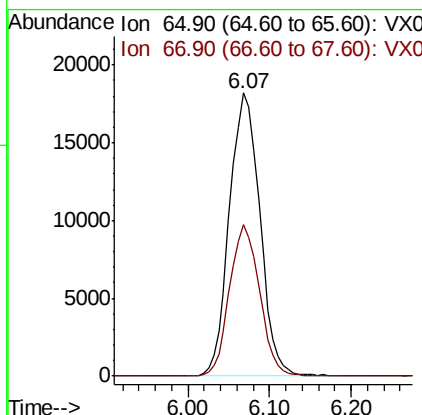
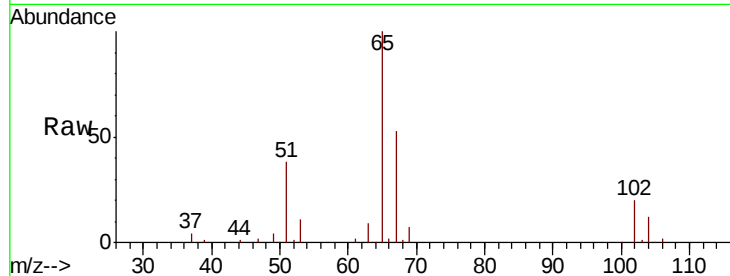




#33
 1,2-Dichloroethane-d4
 Concen: 46.18 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003775.D
 Acq: 01 Aug 2018 03:29

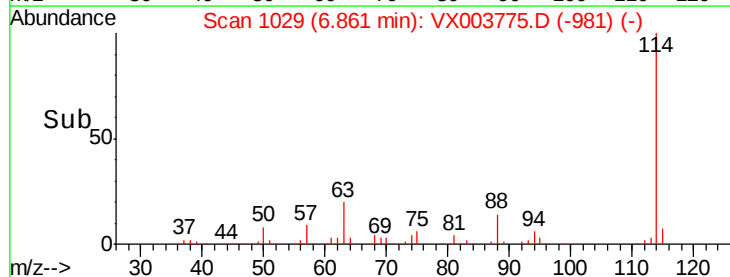
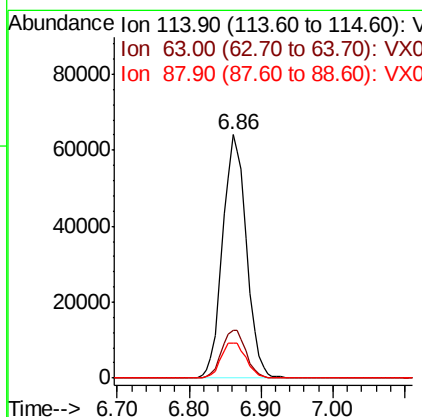
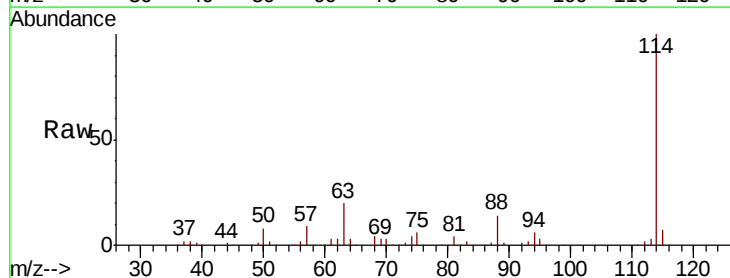
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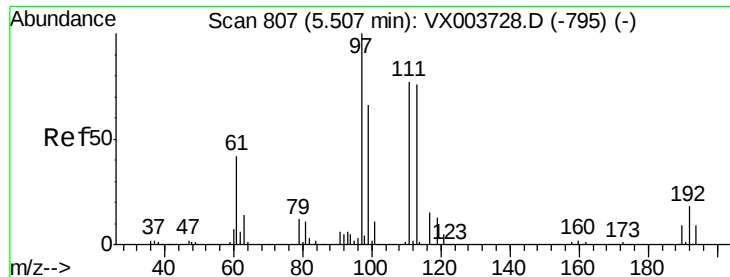
Tot Ion: 65 Resp: 47126
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003775.D
 Acq: 01 Aug 2018 03:29

Tgt Ion: 114 Resp: 147528
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 34.0
 88 14.5 0.0 26.4

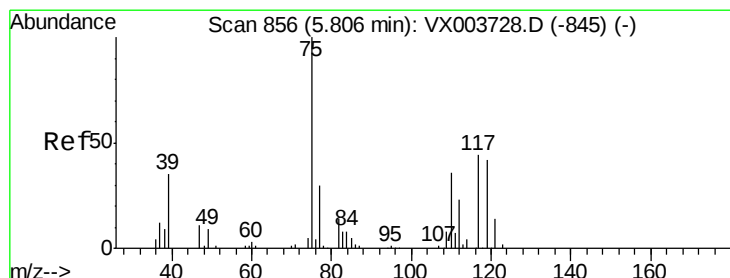
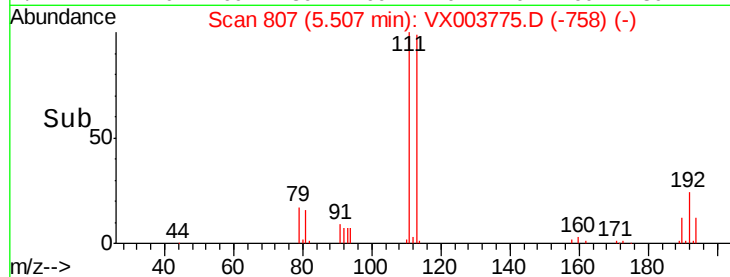
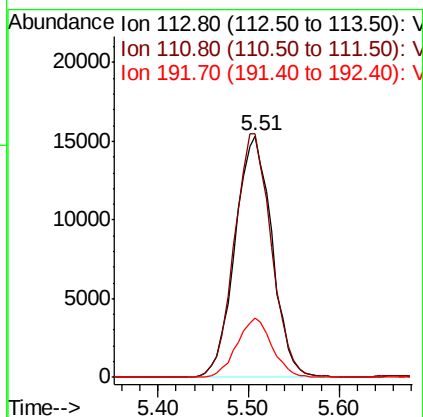
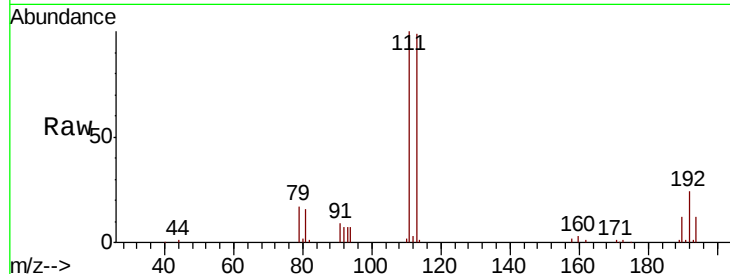




#35
 Dibromofluoromethane
 Concen: 50.04 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003775.D
 Acq: 01 Aug 2018 03:29

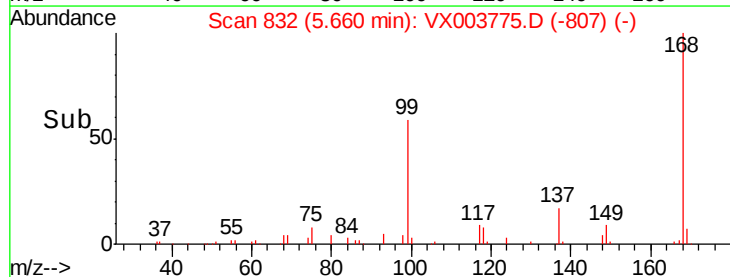
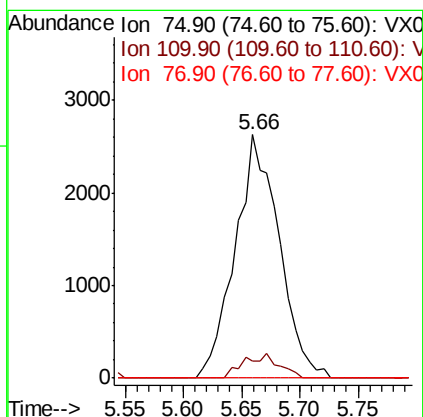
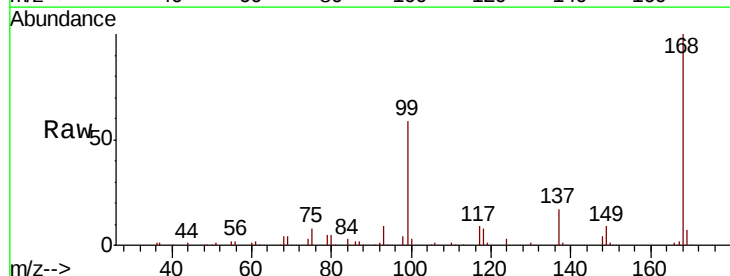
Instrument :
 MSVOA_X
 ClientSampleId :
 CON-SB-03-19-21

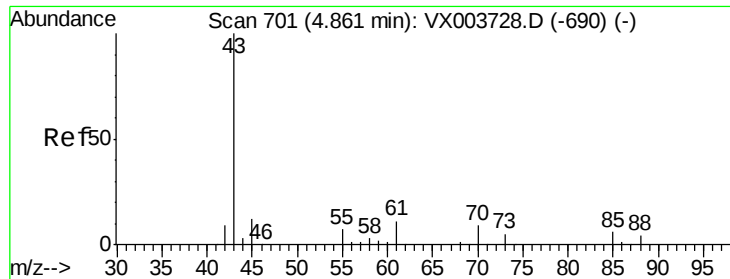
Tot Ion:113 Resp: 43466
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.8 122.6
 192 23.0 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 4.98 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.15 min
 Lab File: VX003775.D
 Acq: 01 Aug 2018 03:29

Tgt Ion: 75 Resp: 6880
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.3 54.8#
 77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.88 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.15 min

Lab File: VX003775.D

Acq: 01 Aug 2018 03:29

Instrument :

MSVOA_X

ClientSampleId :

CON-SB-03-19-21

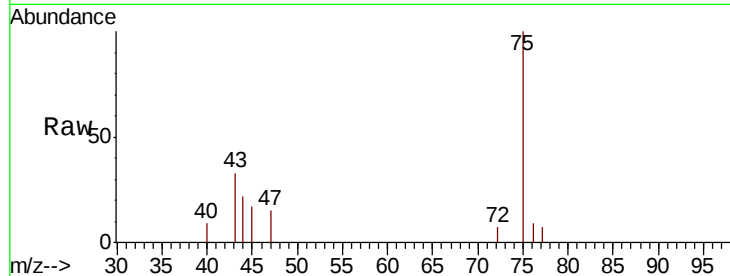
Tot Ion: 43 Resp: 929

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

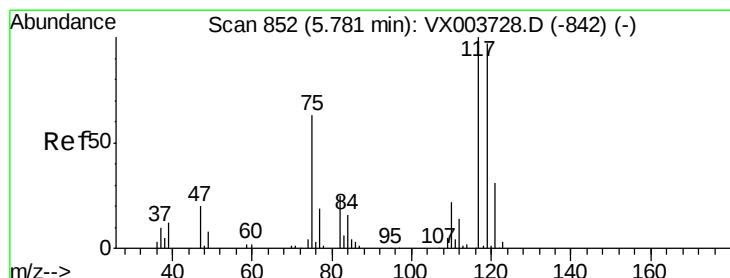
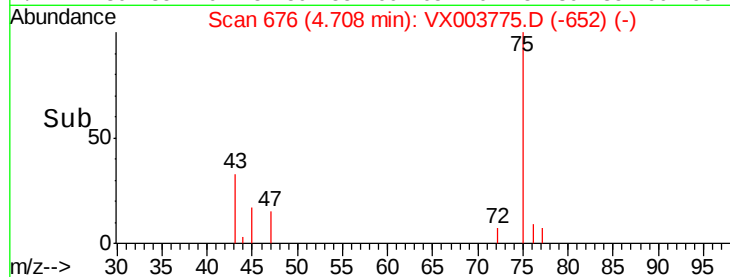
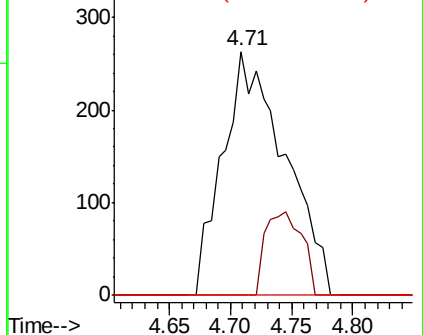
70 0.0 8.2 12.2#



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: 7.09 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX003775.D

Acq: 01 Aug 2018 03:29

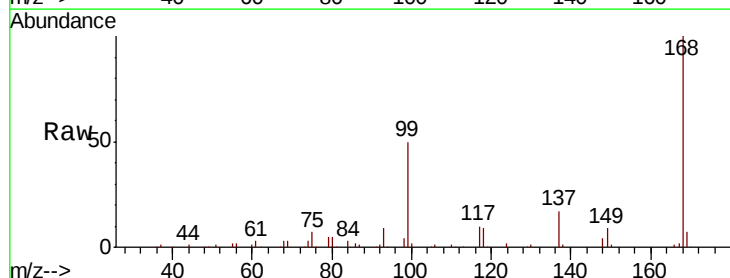
Tgt Ion: 117 Resp: 9056

Ion Ratio Lower Upper

117 100

119 4.7 77.2 115.8#

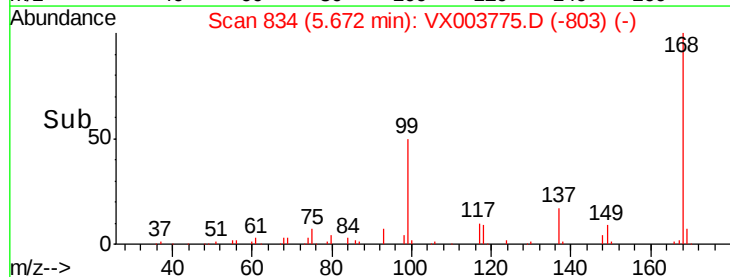
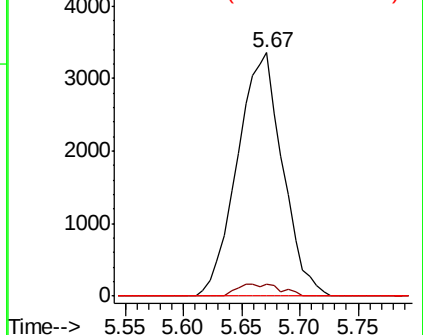
121 0.0 25.0 37.4#

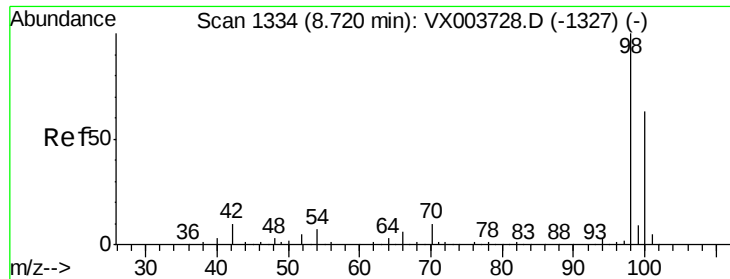


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 35.97 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003775.D

Acq: 01 Aug 2018 03:29

Instrument :

MSVOA_X

ClientSampleId :

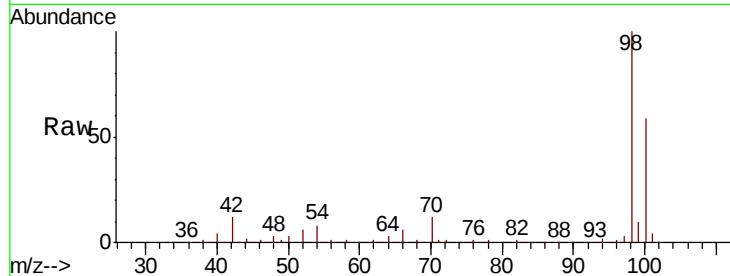
CON-SB-03-19-21

Tot Ion: 98 Resp: 130261

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

100000

80000

60000

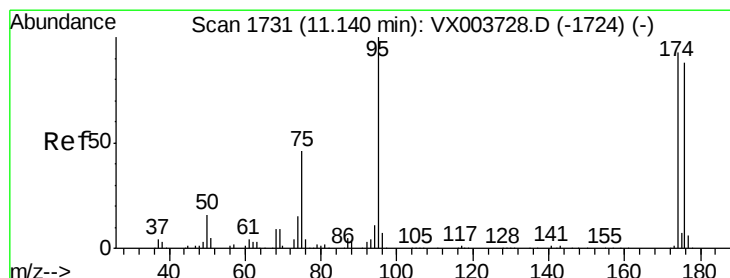
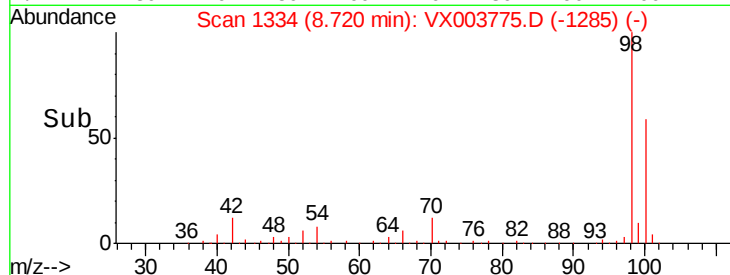
40000

20000

0

Time-->

8.65 8.70 8.75 8.80



#62

4-Bromofluorobenzene

Concen: 28.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003775.D

Acq: 01 Aug 2018 03:29

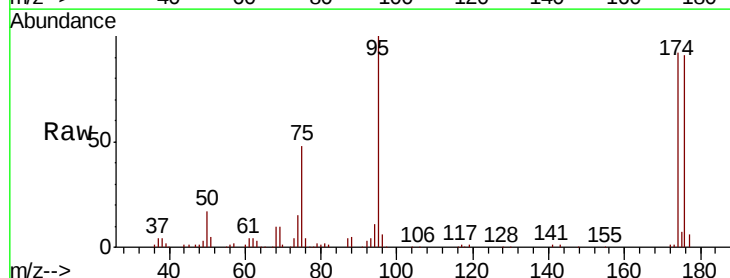
Tgt Ion: 95 Resp: 38530

Ion Ratio Lower Upper

95 100

174 91.9 0.0 186.2

176 89.3 0.0 179.2



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

40000

30000

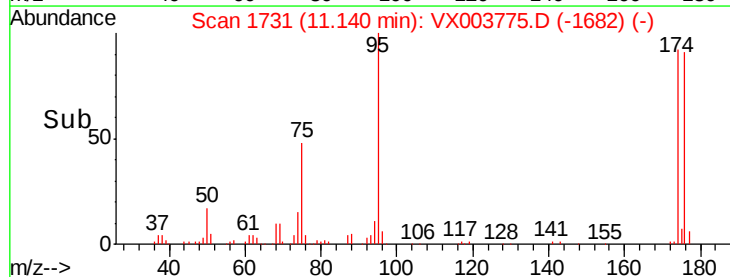
20000

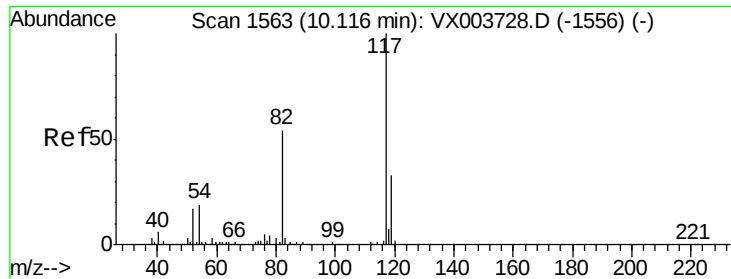
10000

0

Time-->

11.10 11.20

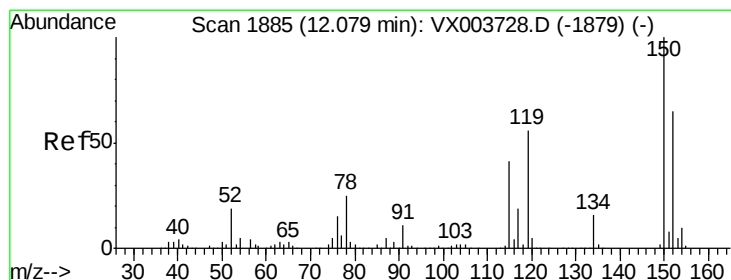
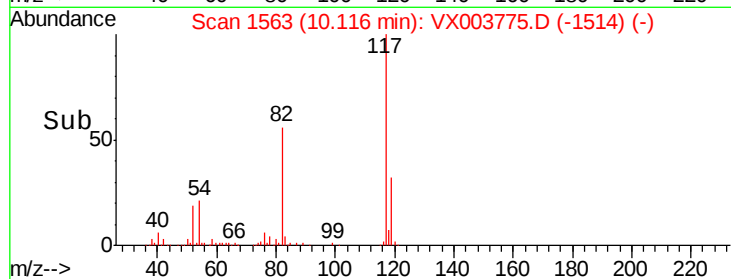
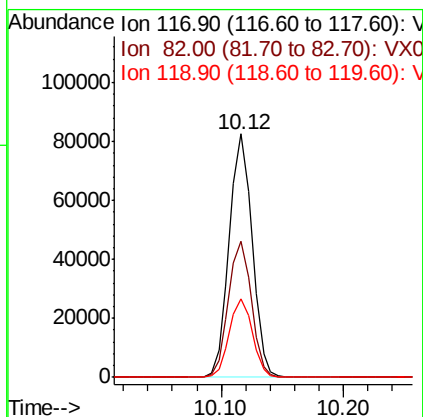
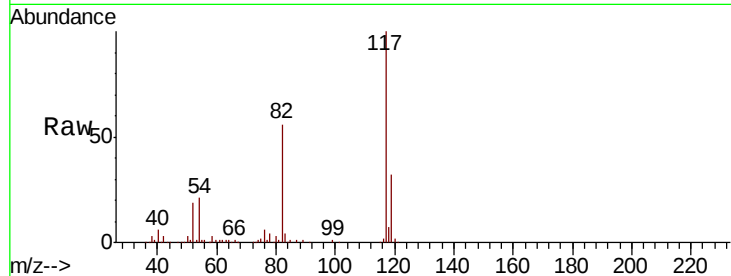




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003775.D
Acq: 01 Aug 2018 03:29

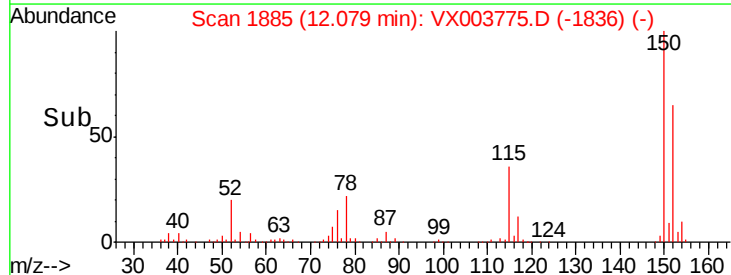
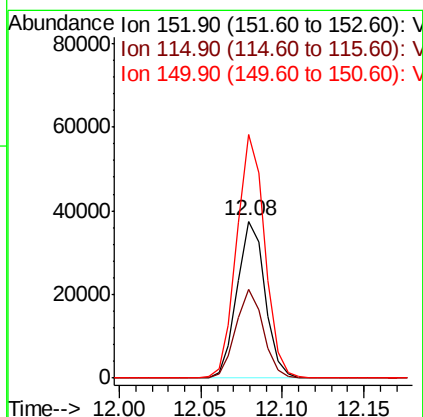
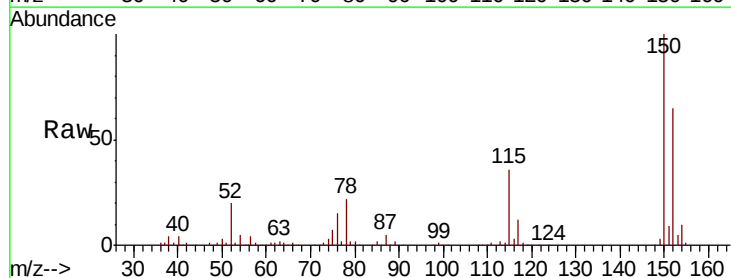
Instrument :
MSVOA_X
ClientSampleId :
CON-SB-03-19-21

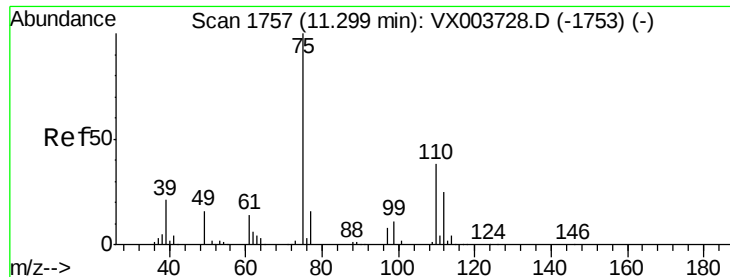
Tot Ion:117 Resp: 107249
Ion Ratio Lower Upper
117 100
82 55.7 43.2 64.8
119 32.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003775.D
Acq: 01 Aug 2018 03:29

Tgt Ion:152 Resp: 44970
Ion Ratio Lower Upper
152 100
115 55.1 38.5 115.3
150 155.7 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 30.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003775.D

Acq: 01 Aug 2018 03:29

Instrument :

MSVOA_X

ClientSampleId :

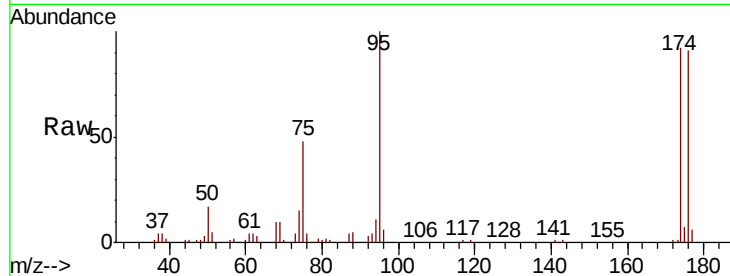
CON-SB-03-19-21

Tot Ion: 75 Resp: 18752

Ion Ratio Lower Upper

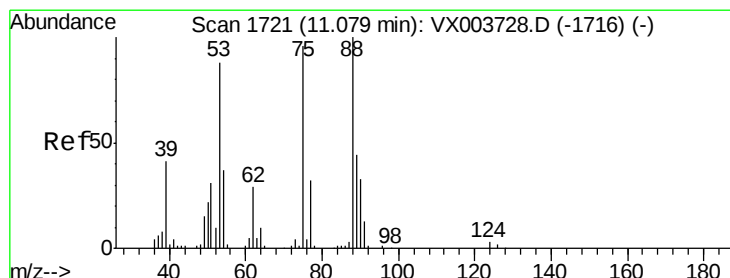
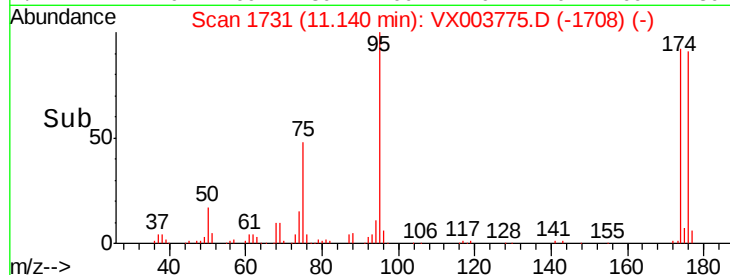
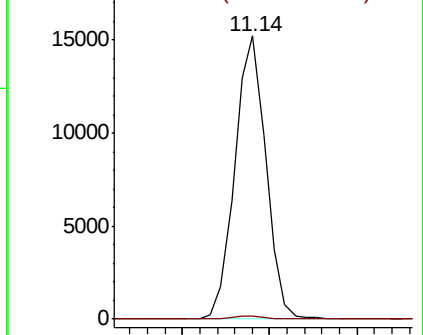
75 100

77 1.1 21.6 65.0#



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: 89.61 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003775.D

Acq: 01 Aug 2018 03:29

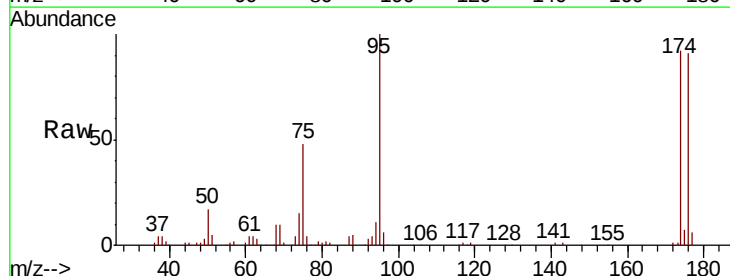
Tgt Ion: 75 Resp: 18752

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

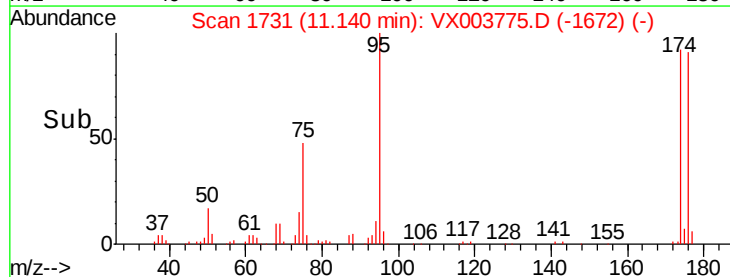
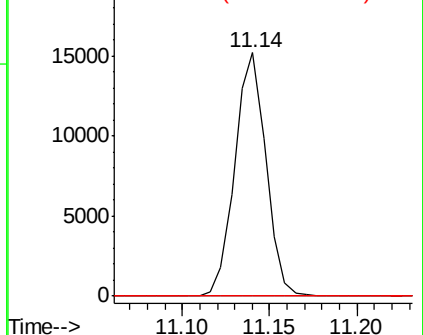
89 0.0 39.1 58.7#

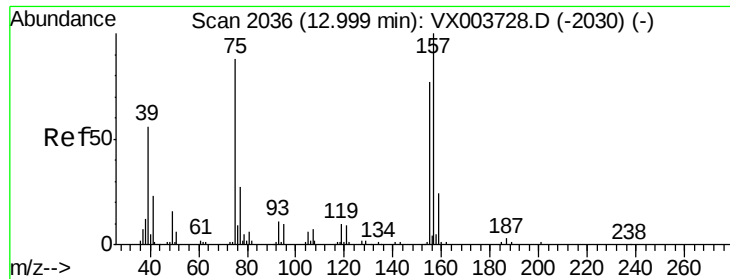


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.03 ug/l

RT: 12.81 min Scan# 2005

Delta R.T. -0.19 min

Lab File: VX003775.D

Acq: 01 Aug 2018 03:29

Instrument :

MSVOA_X

ClientSampleId :

CON-SB-03-19-21

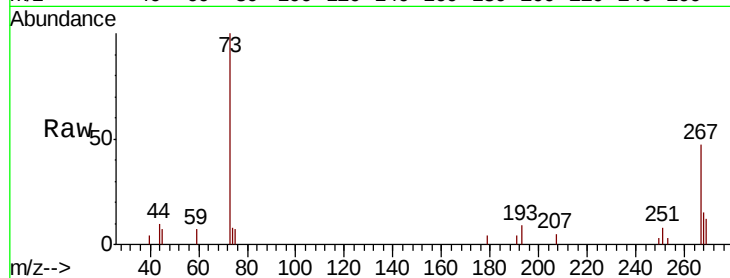
Tot Ion: 75 Resp: 150

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.7#

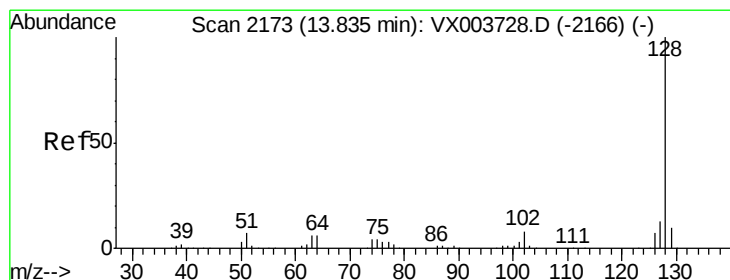
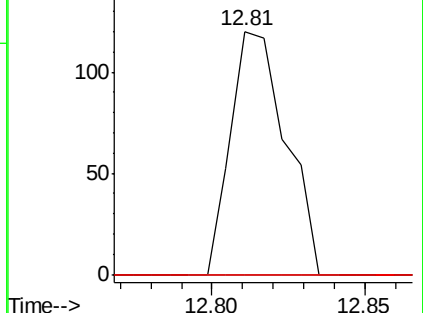
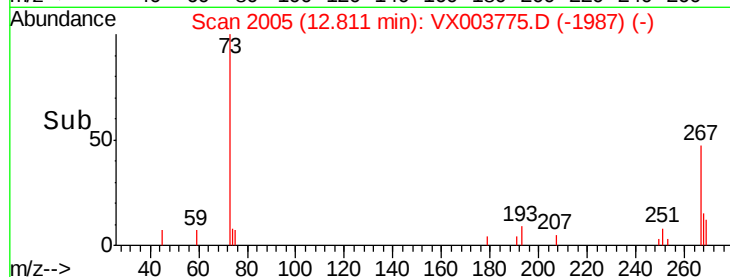
157 0.0 63.7 191.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 1.76 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003775.D

Acq: 01 Aug 2018 03:29

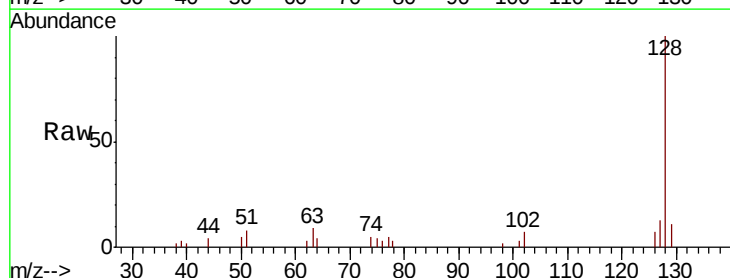
Tgt Ion:128 Resp: 4118

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

129 10.2 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

