

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004061.D
 Acq On : 15 Aug 2018 06:33
 Operator : JC/MD
 Sample : J4439-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-296-SRI3

Quant Time: Aug 15 09:41:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	273172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	442416	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	424454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225501	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	208117	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
35) Dibromofluoromethane	5.51	113	169787	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	8.72	98	633609	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.14	95	215514	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

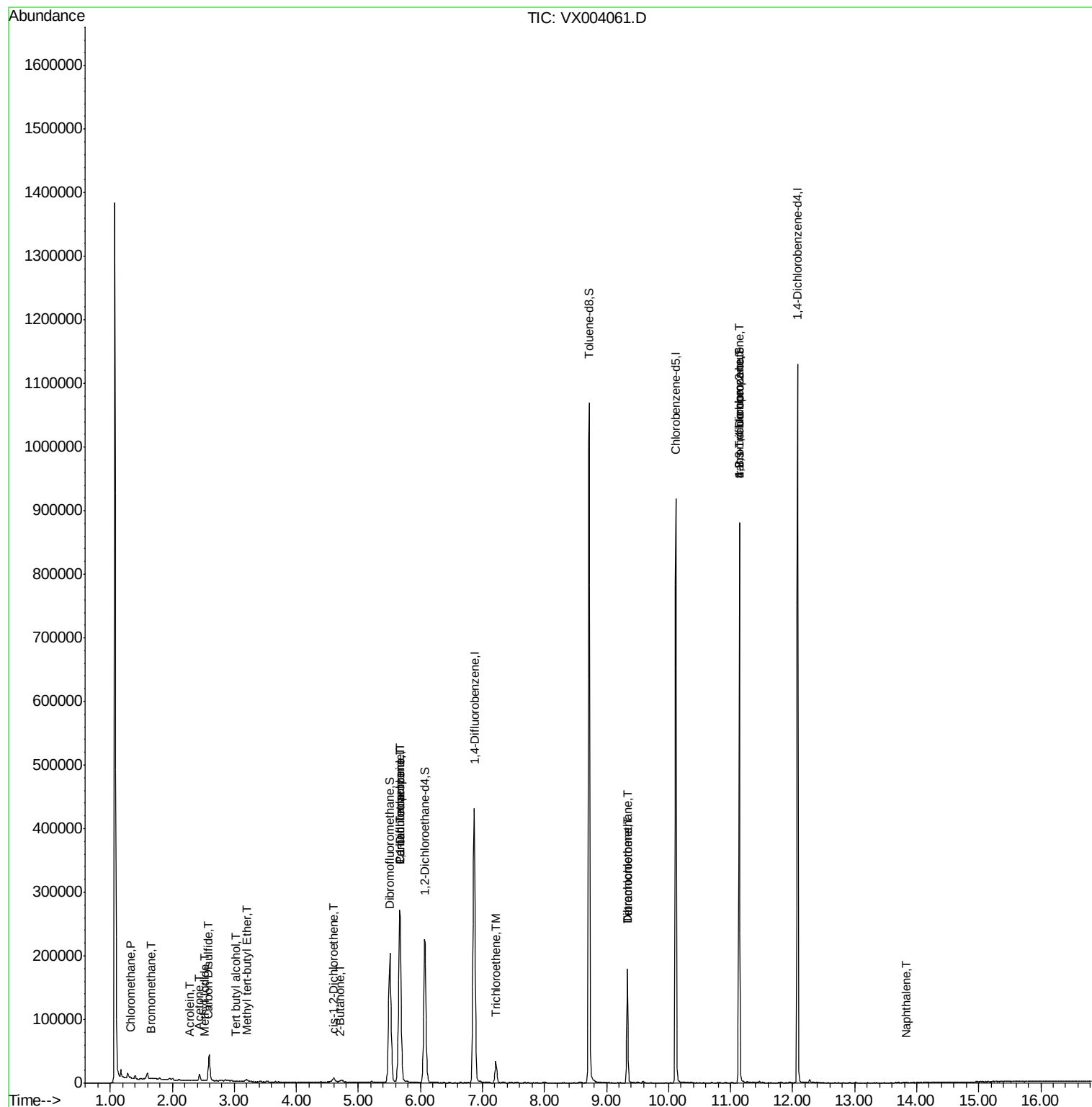
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	708	0.217	ug/l	93
5) Bromomethane	1.65	94	710	0.219	ug/l	82
6) Chloroethane	1.64	64	356	Below Cal	#	80
10) Methyl Iodide	2.51	142	353	5.106	ug/l #	60
11) Tert butyl alcohol	3.03	59	533	0.688	ug/l #	73
13) Acrolein	2.29	56	53	11.046	ug/l #	1
16) Acetone	2.43	43	11173	5.583	ug/l	99
17) Carbon Disulfide	2.57	76	1636	0.201	ug/l #	90
19) Methyl tert-butyl Ether	3.20	73	2627	0.259	ug/l	95
20) Methylene Chloride	2.86	84	704	Below Cal	#	97
25) 2-Butanone	4.70	43	730	0.224	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	3910	1.065	ug/l	87
36) 1,1-Dichloropropene	5.67	75	19534	3.880	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24982	5.108	ug/l #	14
44) Trichloroethene	7.21	130	13724	3.344	ug/l	98
60) Dibromochloromethane	9.34	129	31918	8.401	ug/l #	11
64) Tetrachloroethene	9.34	164	36240	9.008	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	104668	23.145	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	104668	71.647	ug/l #	9
95) Naphthalene	13.83	128	354	1.166	ug/l #	69

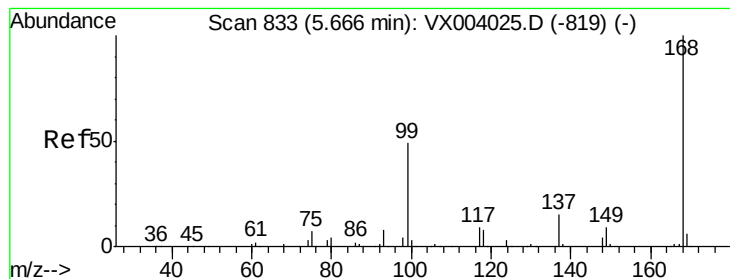
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004061.D

Acq: 15 Aug 2018 06:33

Instrument :

MSVOA_X

ClientSampleId :

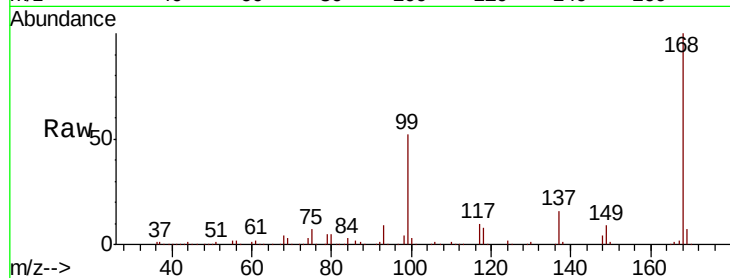
MW-296-SRI3

Tgt Ion:168 Resp: 273172

Ion Ratio Lower Upper

168 100

99 52.1 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

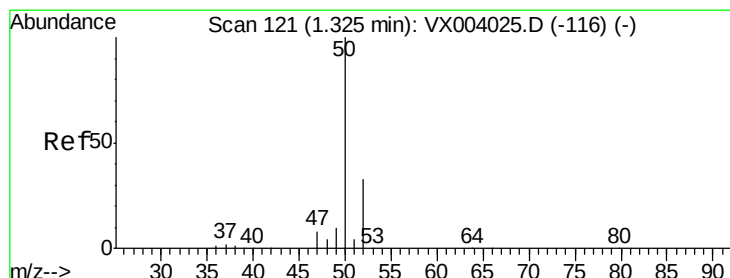
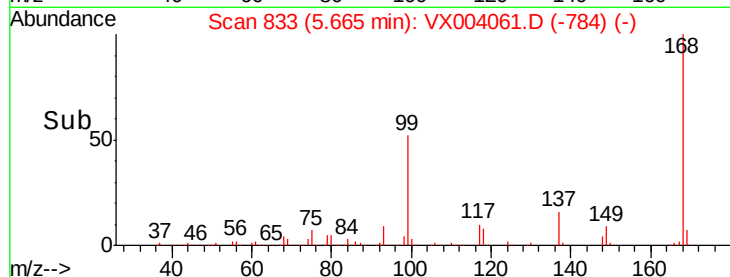
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004061.D

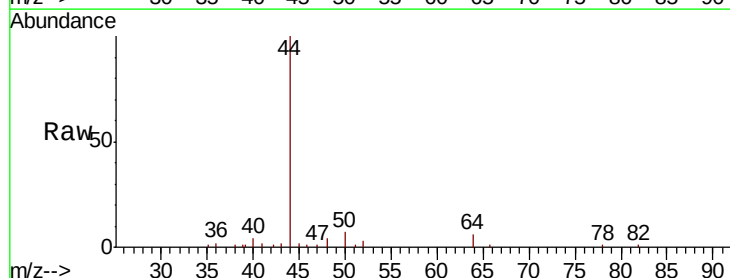
Acq: 15 Aug 2018 06:33

Tgt Ion: 50 Resp: 708

Ion Ratio Lower Upper

50 100

52 37.4 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

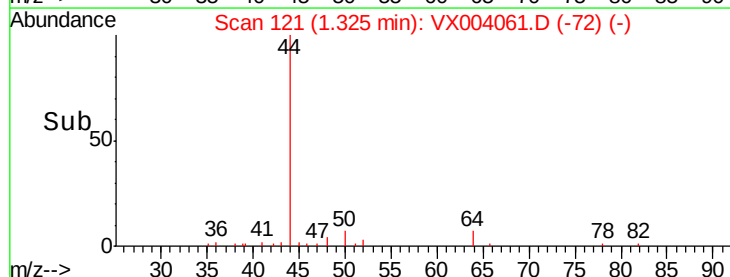
300

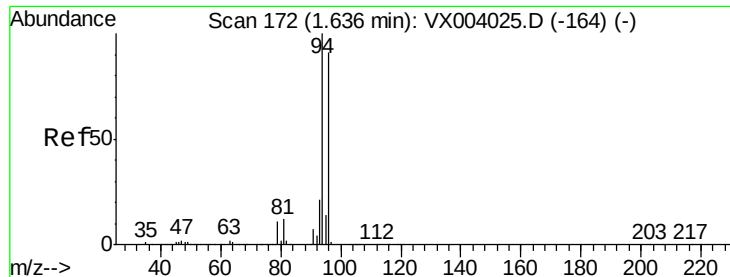
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.219 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004061.D

Acq: 15 Aug 2018 06:33

Instrument :

MSVOA_X

ClientSampleId :

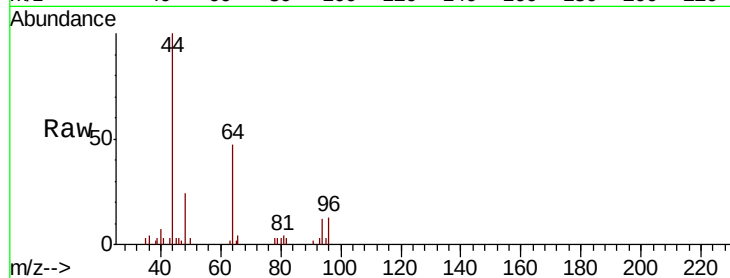
MW-296-SRI3

Tgt Ion: 94 Resp: 710

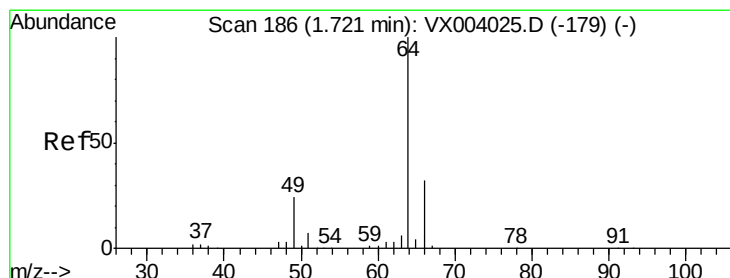
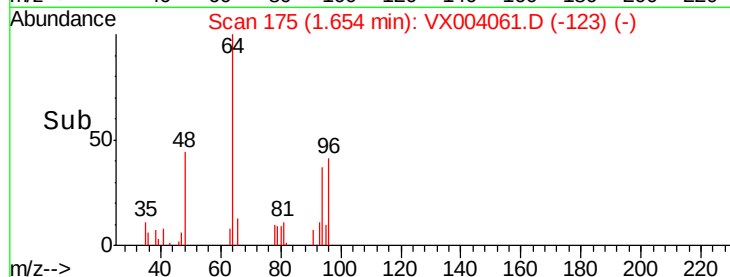
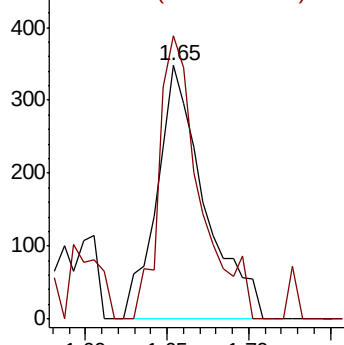
Ion Ratio Lower Upper

94 100

96 111.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. -0.08 min

Lab File: VX004061.D

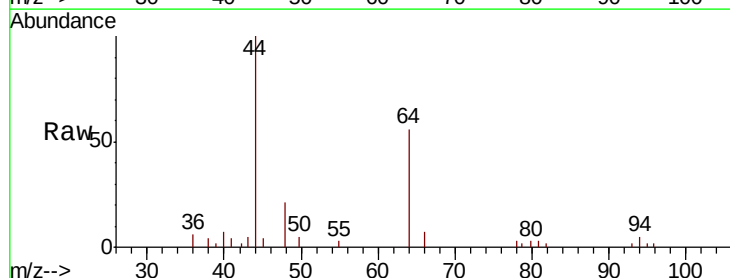
Acq: 15 Aug 2018 06:33

Tgt Ion: 64 Resp: 356

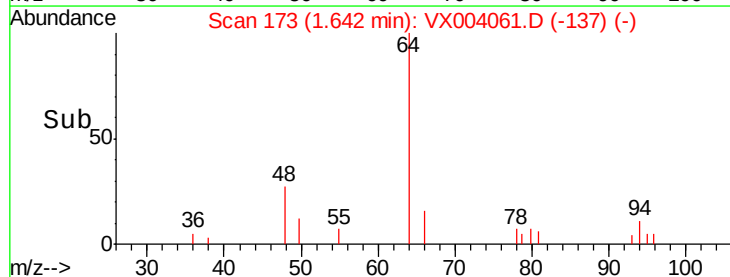
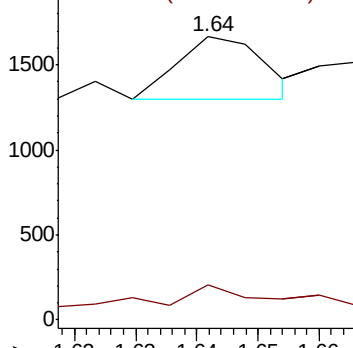
Ion Ratio Lower Upper

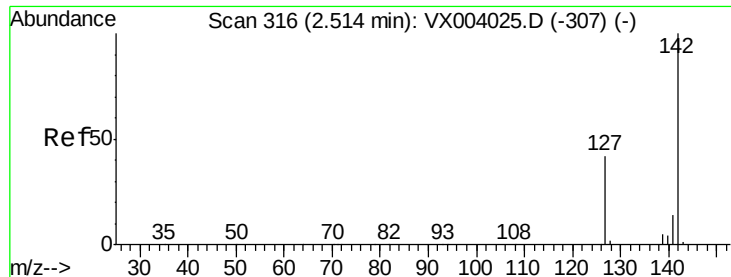
64 100

66 22.0 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

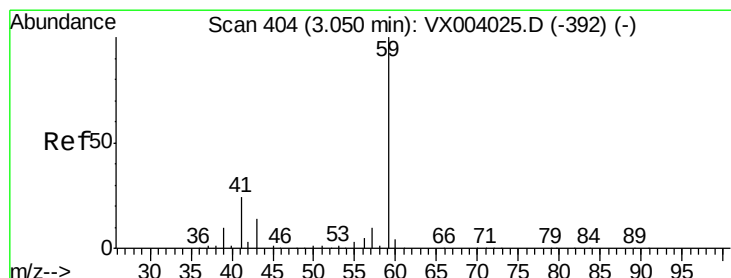
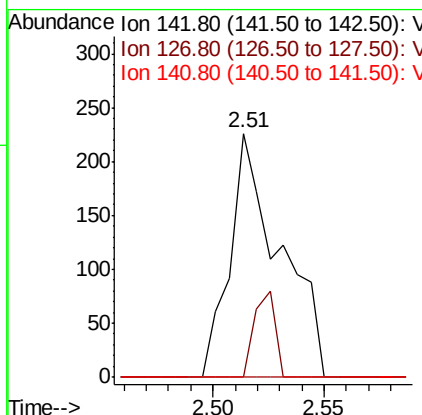
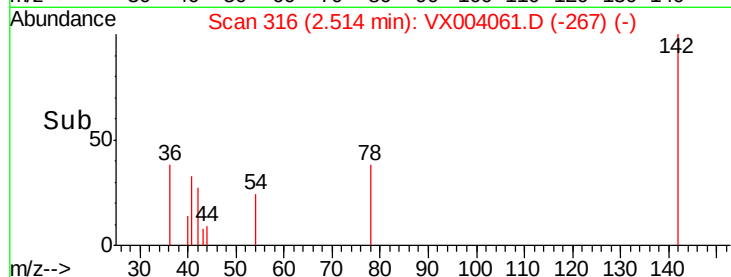
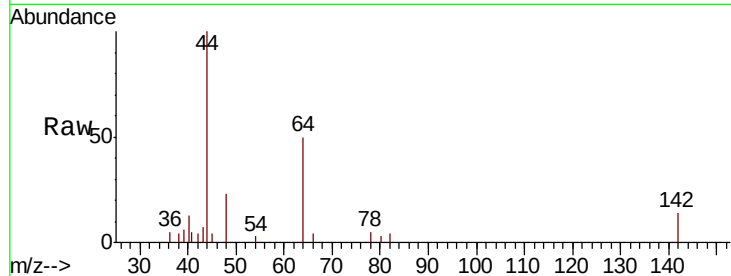




#10
Methyl Iodide
Concen: 5.106 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX004061.D
Acq: 15 Aug 2018 06:33

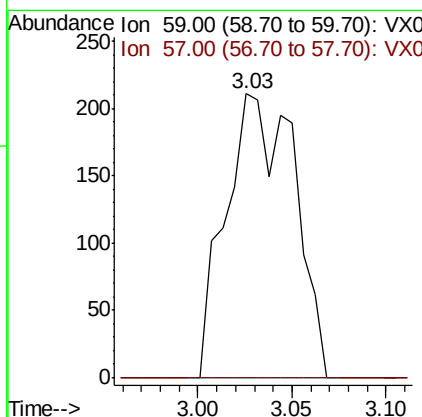
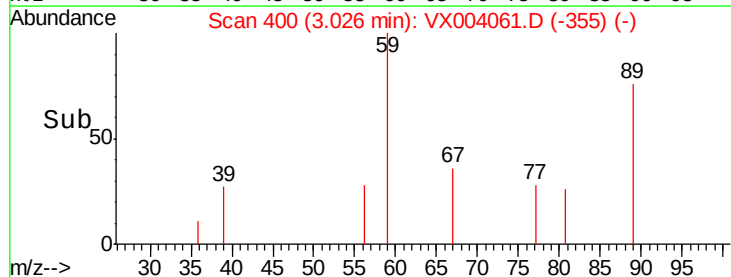
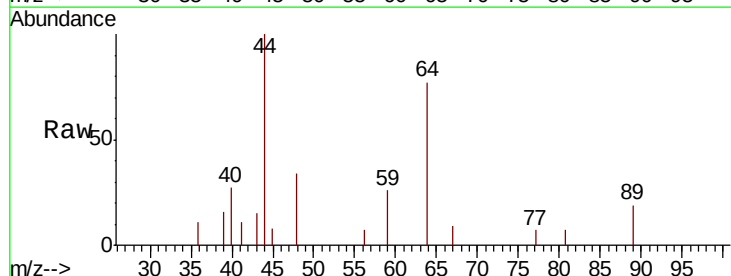
Instrument :
MSVOA_X
ClientSampleId :
MW-296-SRI3

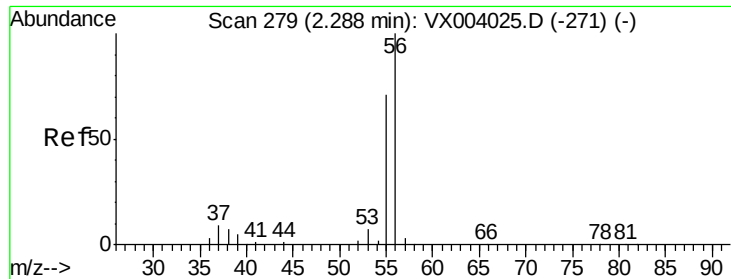
Tgt Ion: 142 Resp: 353
Ion Ratio Lower Upper
142 100
127 14.7 33.1 49.7#
141 0.0 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.688 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.02 min
Lab File: VX004061.D
Acq: 15 Aug 2018 06:33

Tgt Ion: 59 Resp: 533
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 11.046 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004061.D

Acq: 15 Aug 2018 06:33

Instrument :

MSVOA_X

ClientSampleId :

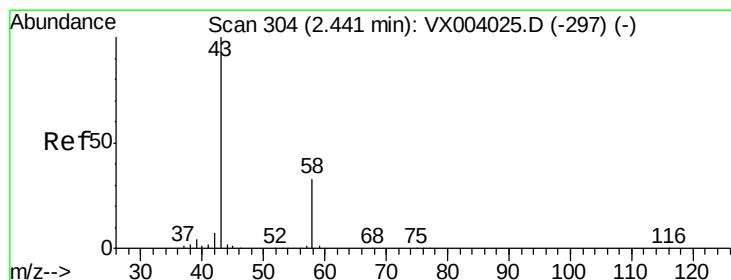
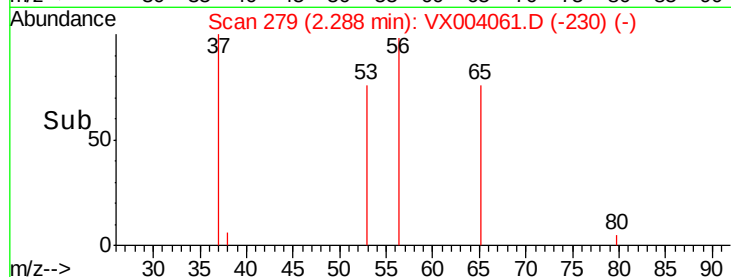
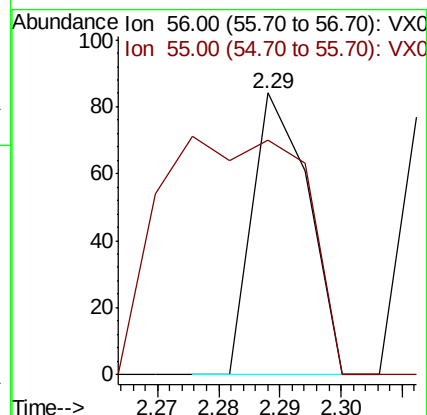
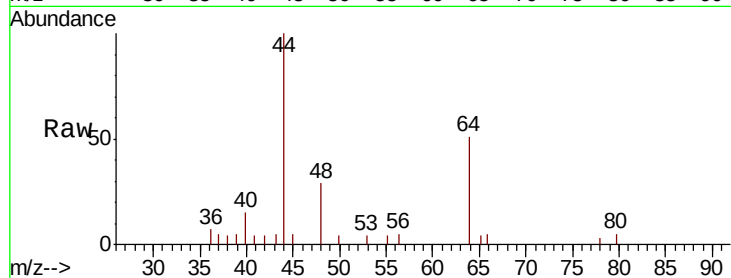
MW-296-SRI3

Tgt Ion: 56 Resp: 53

Ion Ratio Lower Upper

56 100

55 222.6 56.1 84.1#



#16

Acetone

Concen: 5.583 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004061.D

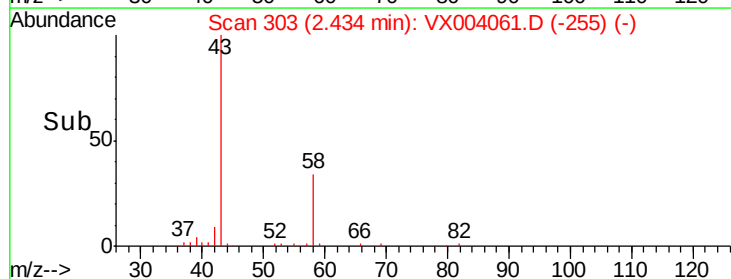
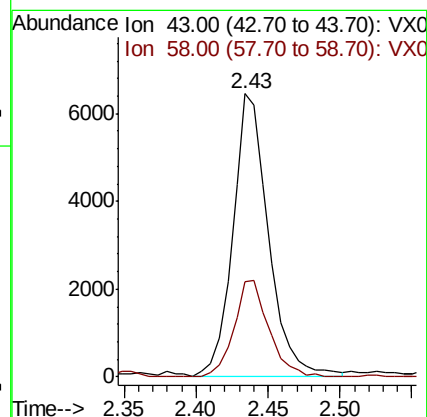
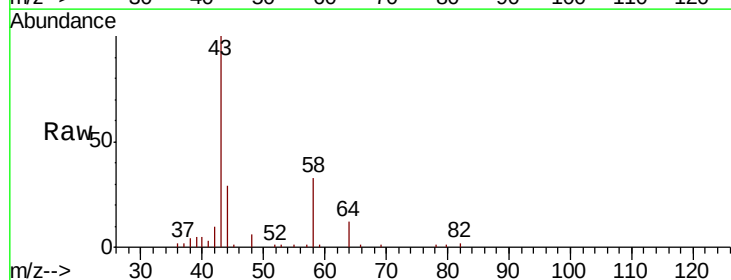
Acq: 15 Aug 2018 06:33

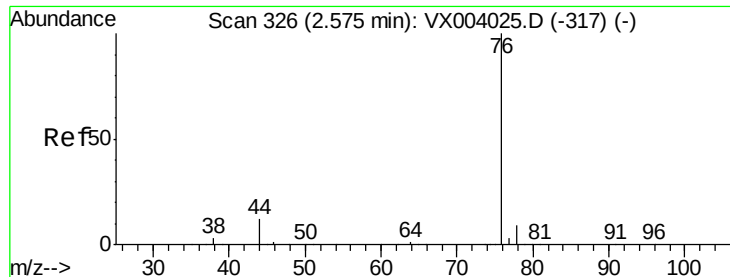
Tgt Ion: 43 Resp: 11173

Ion Ratio Lower Upper

43 100

58 33.5 26.4 39.6





#17

Carbon Disulfide

Concen: 0.201 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004061.D

Acq: 15 Aug 2018 06:33

Instrument :

MSVOA_X

ClientSampleId :

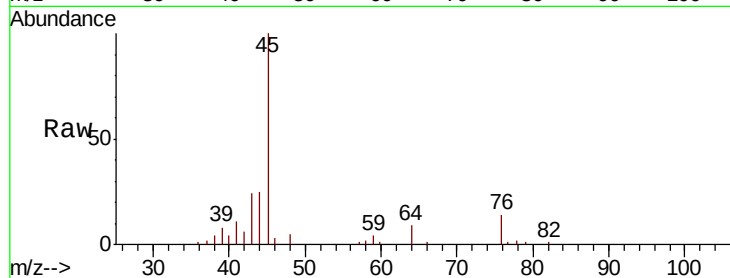
MW-296-SRI3

Tgt Ion: 76 Resp: 1636

Ion Ratio Lower Upper

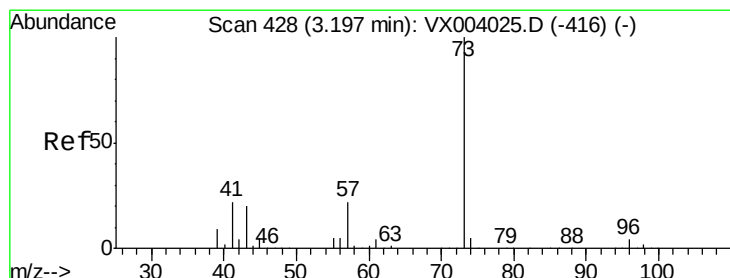
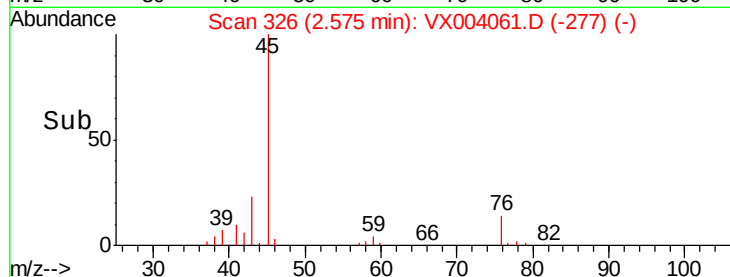
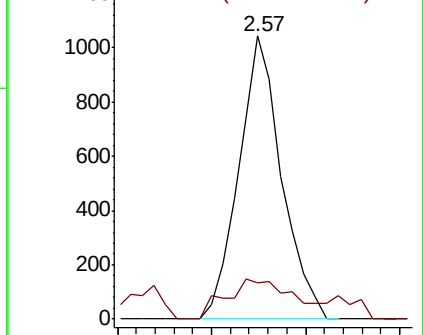
76 100

78 13.1 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#19

Methyl tert-butyl Ether

Concen: 0.259 ug/l

RT: 3.20 min Scan# 428

Delta R.T. -0.00 min

Lab File: VX004061.D

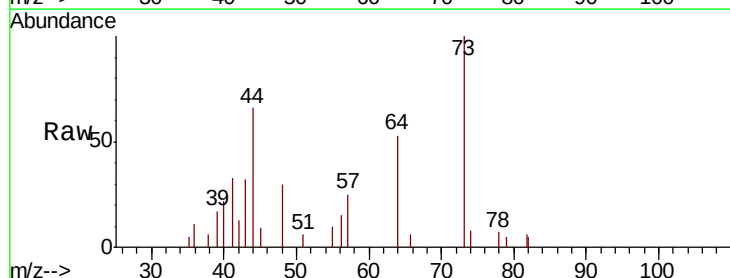
Acq: 15 Aug 2018 06:33

Tgt Ion: 73 Resp: 2627

Ion Ratio Lower Upper

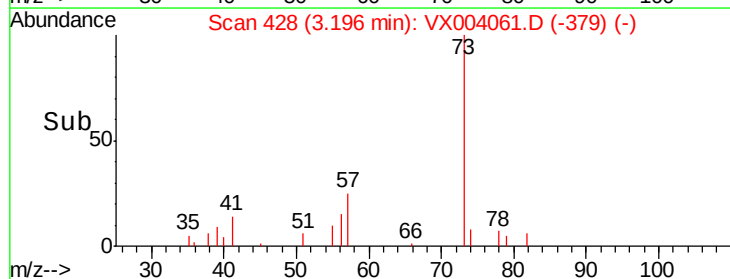
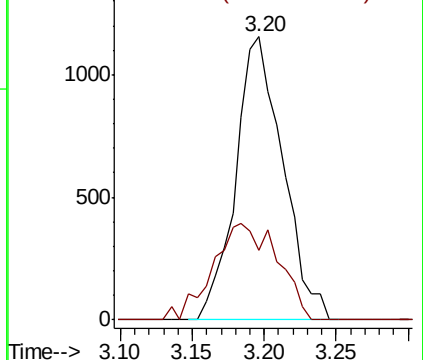
73 100

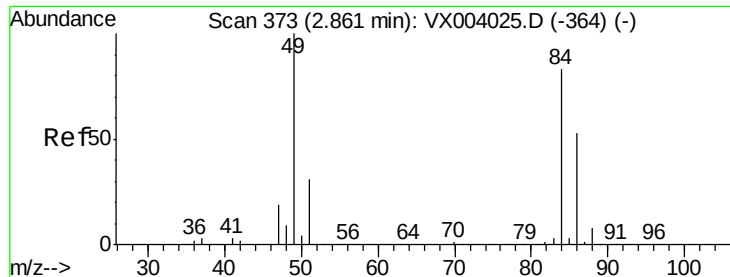
57 24.8 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

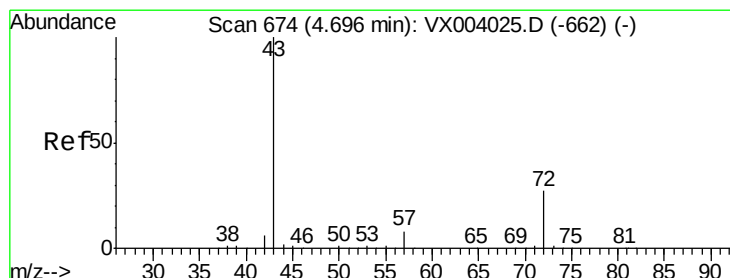
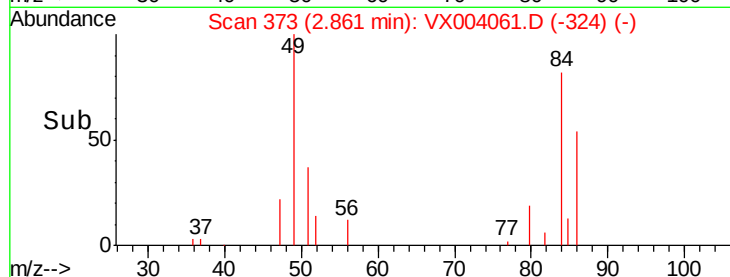
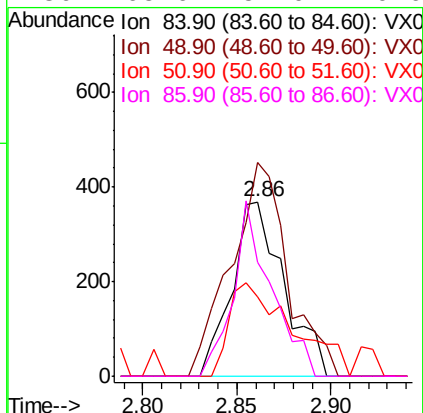
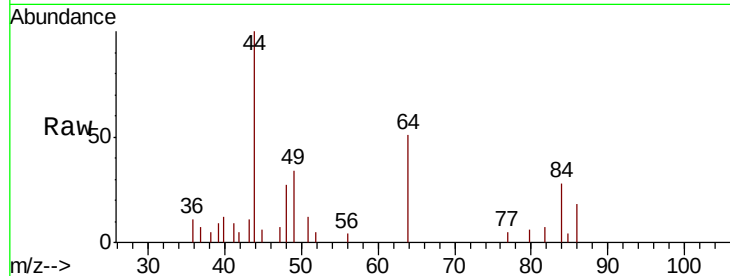




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004061.D
Acq: 15 Aug 2018 06:33

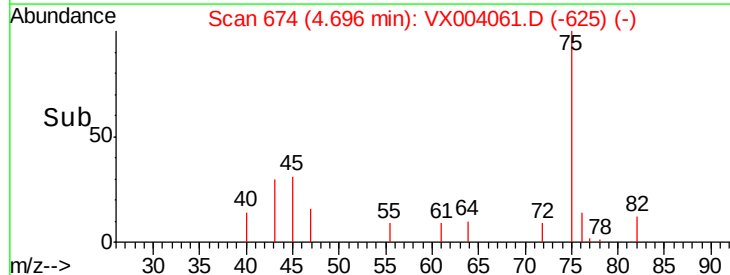
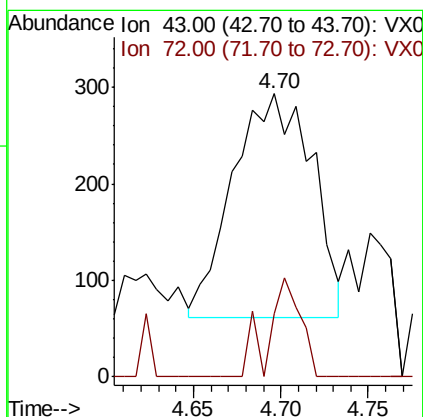
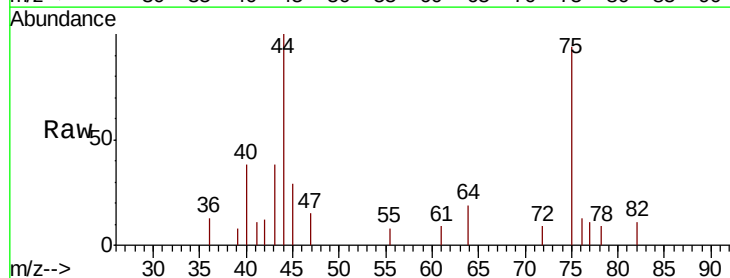
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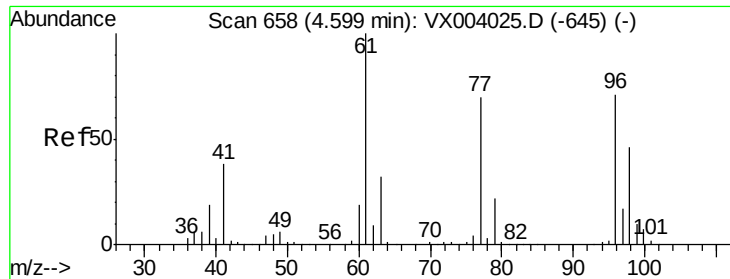
Tgt Ion: 84 Resp: 704
Ion Ratio Lower Upper
84 100
49 122.5 98.9 148.3
51 45.3 29.9 44.9#
86 65.6 51.0 76.6



#25
2-Butanone
Concen: 0.224 ug/l
RT: 4.70 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX004061.D
Acq: 15 Aug 2018 06:33

Tgt Ion: 43 Resp: 730
Ion Ratio Lower Upper
43 100
72 29.7 21.4 32.0



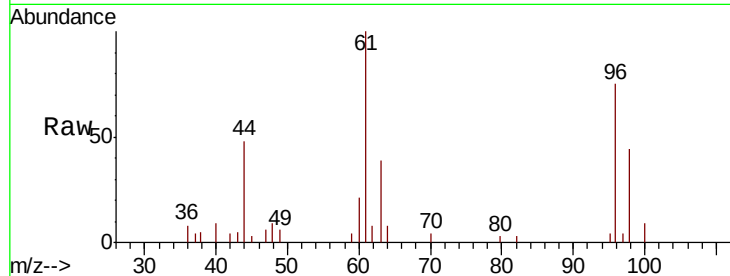


#27

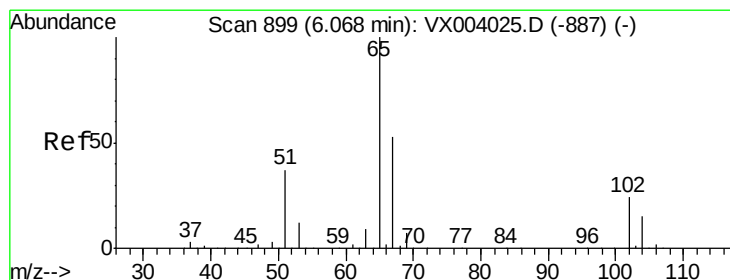
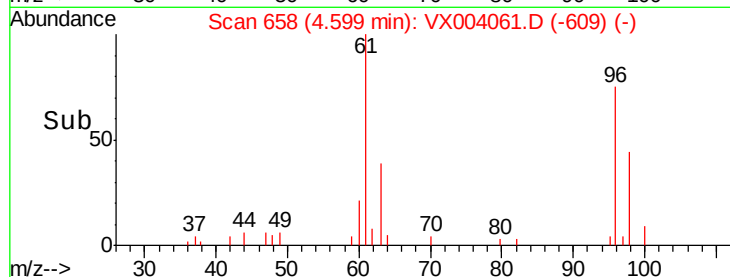
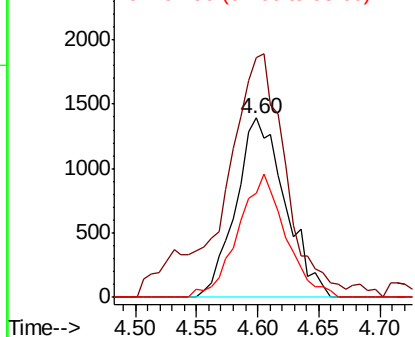
cis-1,2-Dichloroethene
 Concen: 1.065 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX004061.D
 Acq: 15 Aug 2018 06:33

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-296-SRI3

Tgt Ion: 96 Resp: 3910
 Ion Ratio Lower Upper
 96 100
 61 170.7 0.0 293.0
 98 66.1 0.0 131.8



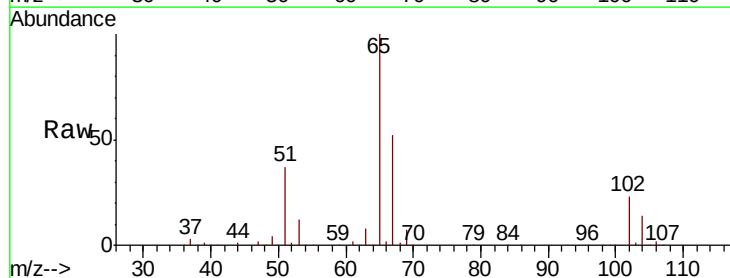
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



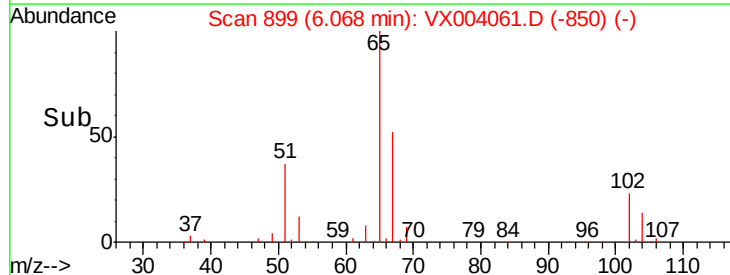
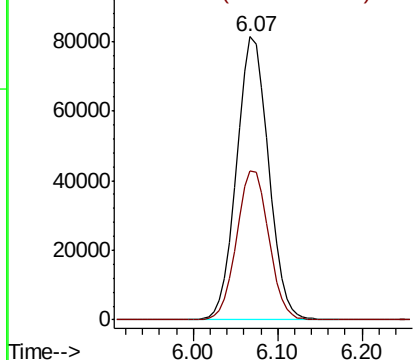
#33

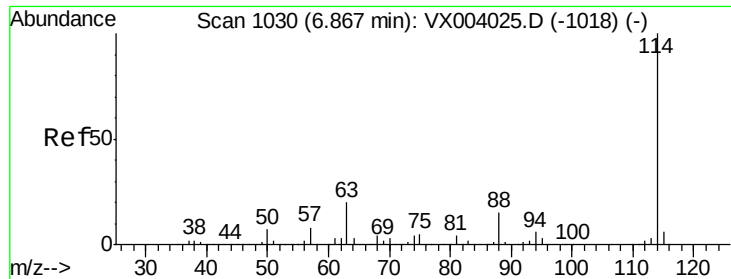
1,2-Dichloroethane-d4
 Concen: 54.072 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004061.D
 Acq: 15 Aug 2018 06:33

Tgt Ion: 65 Resp: 208117
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

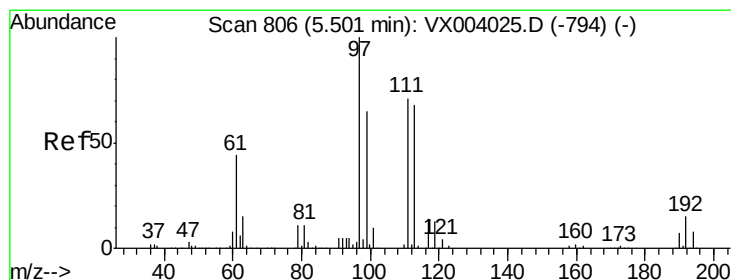
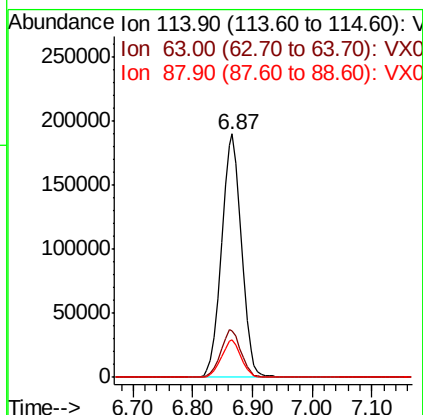
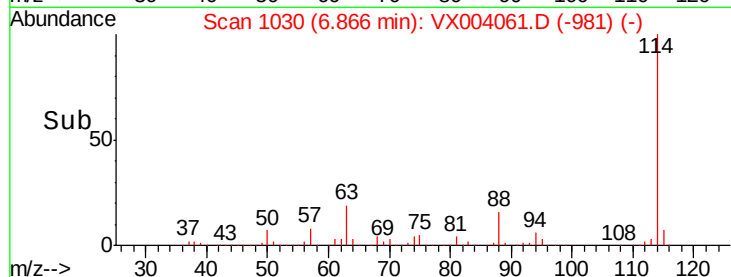
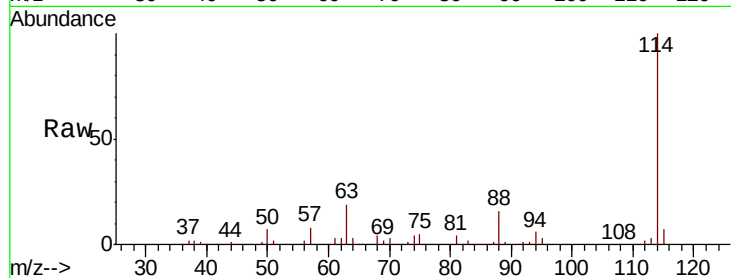




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004061.D
 Acq: 15 Aug 2018 06:33

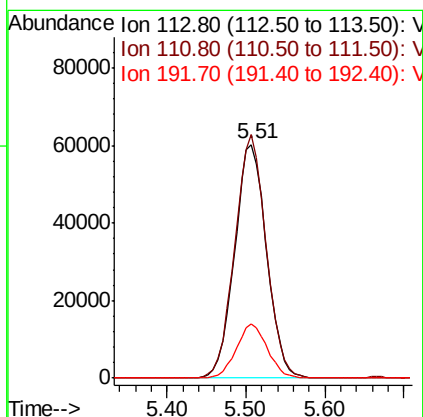
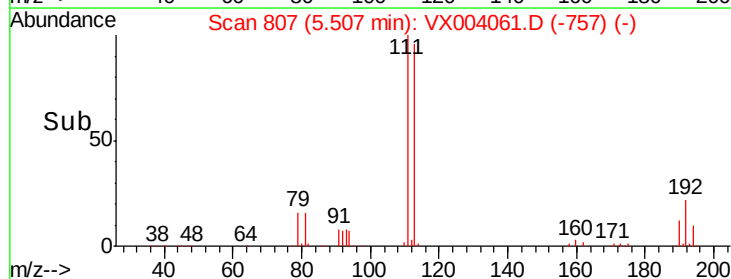
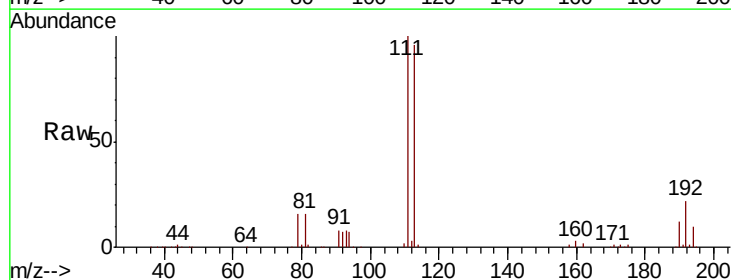
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-296-SRI3

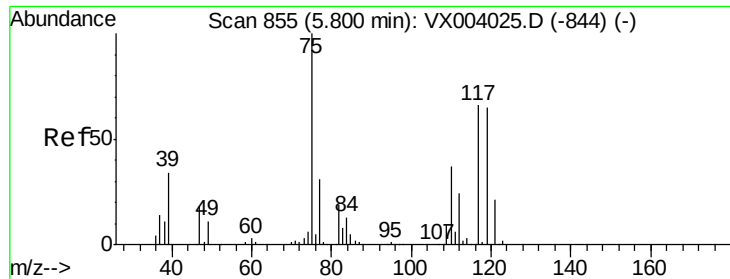
Tgt Ion:114 Resp: 442416
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.0
 88 15.6 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 51.278 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004061.D
 Acq: 15 Aug 2018 06:33

Tgt Ion:113 Resp: 169787
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.0 123.0
 192 22.6 19.0 28.4

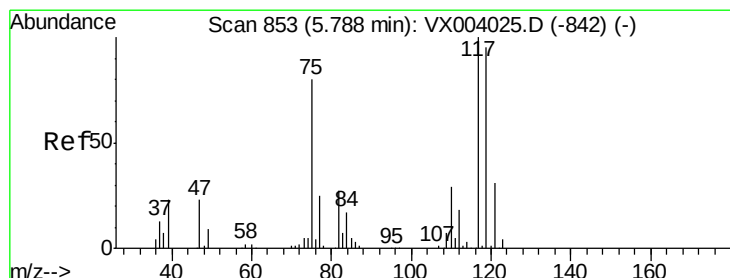
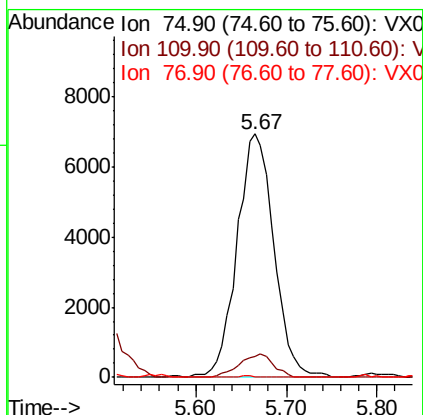
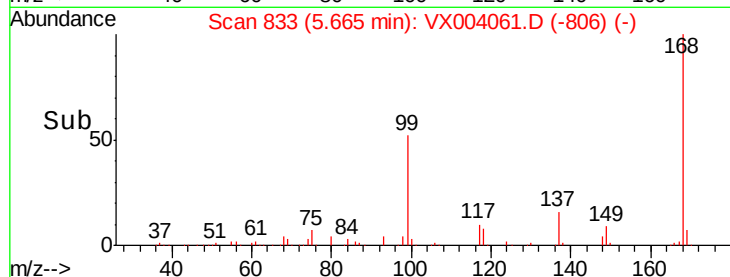
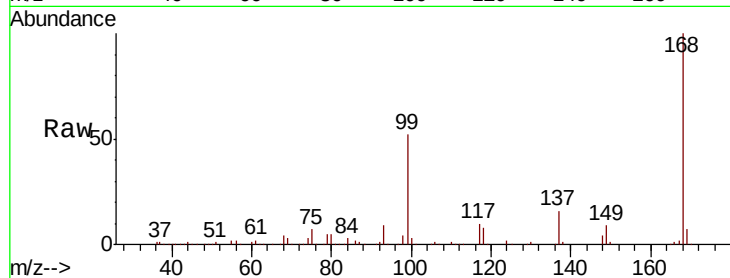




#36
 1,1-Dichloropropene
 Concen: 3.880 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004061.D
 Acq: 15 Aug 2018 06:33

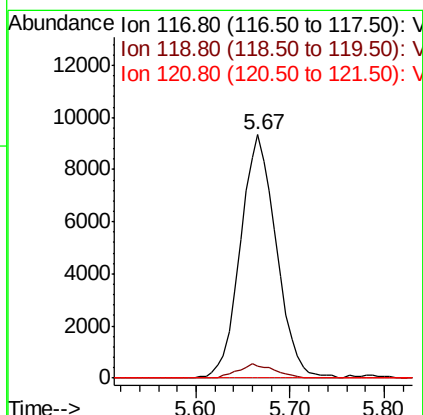
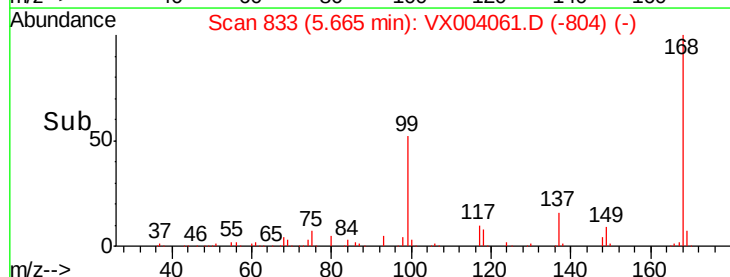
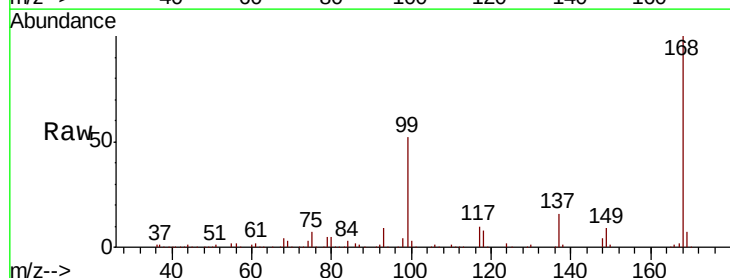
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-296-SRI3

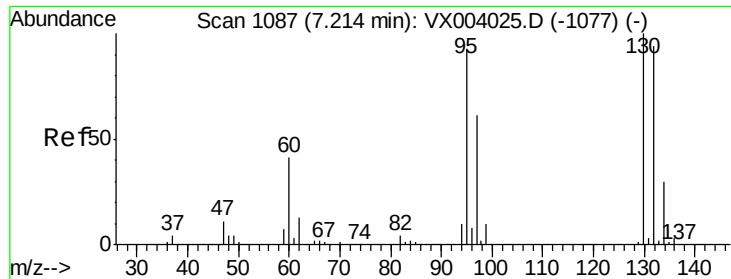
Tgt Ion: 75 Resp: 19534
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.2 54.6#
 77 0.2 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.108 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX004061.D
 Acq: 15 Aug 2018 06:33

Tgt Ion: 117 Resp: 24982
 Ion Ratio Lower Upper
 117 100
 119 4.7 79.5 119.3#
 121 0.0 25.0 37.4#





#44

Trichloroethene

Concen: 3.344 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004061.D

Acq: 15 Aug 2018 06:33

Instrument :

MSVOA_X

ClientSampleId :

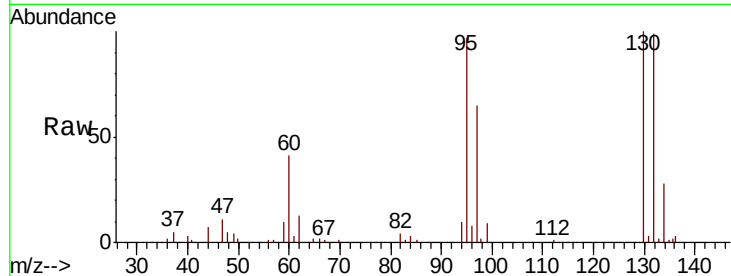
MW-296-SRI3

Tgt Ion:130 Resp: 13724

Ion Ratio Lower Upper

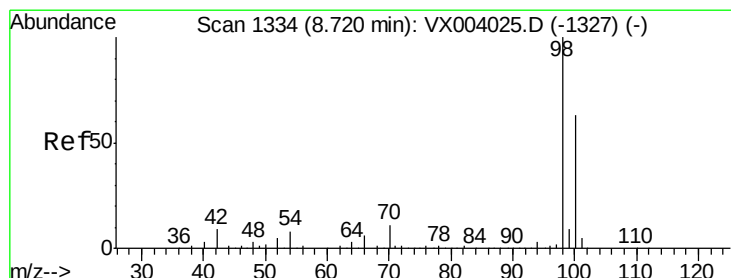
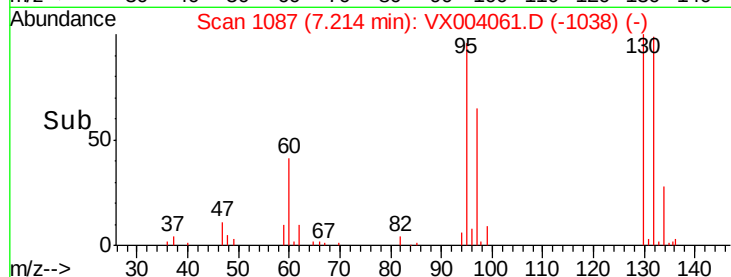
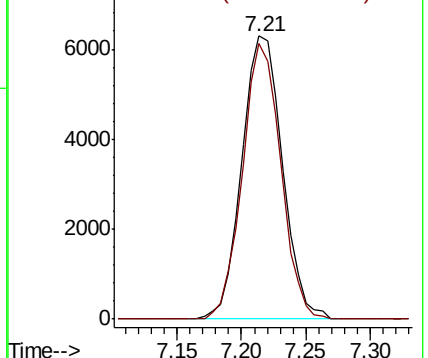
130 100

95 97.3 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 47.197 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004061.D

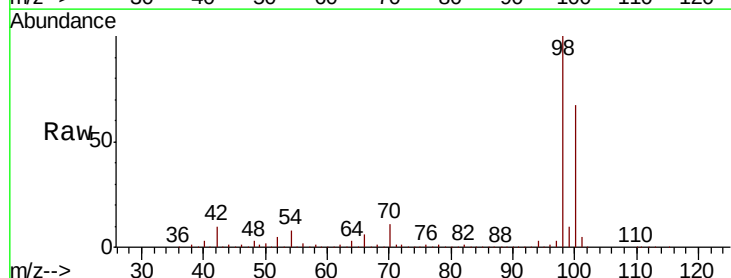
Acq: 15 Aug 2018 06:33

Tgt Ion: 98 Resp: 633609

Ion Ratio Lower Upper

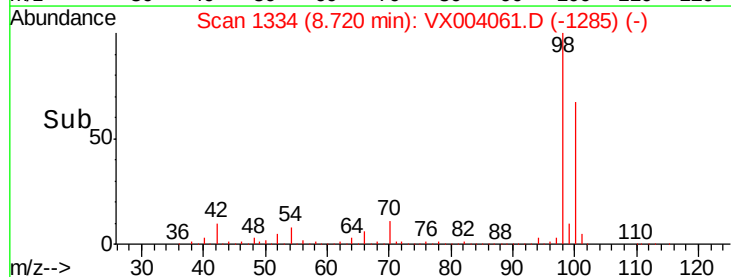
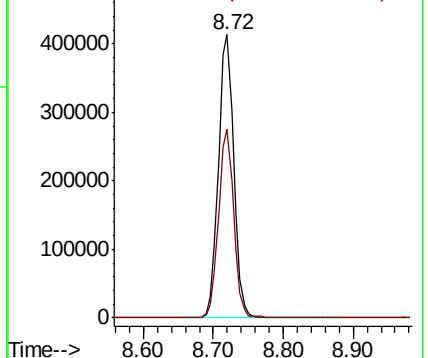
98 100

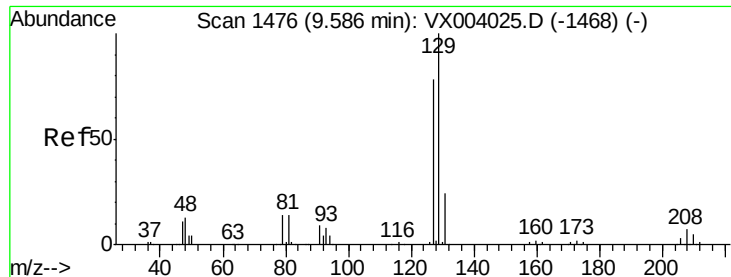
100 65.6 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 8.401 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.25 min

Lab File: VX004061.D

Acq: 15 Aug 2018 06:33

Instrument :

MSVOA_X

ClientSampleId :

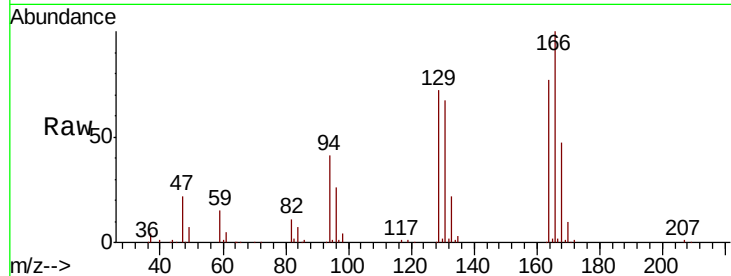
MW-296-SRI3

Tgt Ion:129 Resp: 31918

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

25000

20000

15000

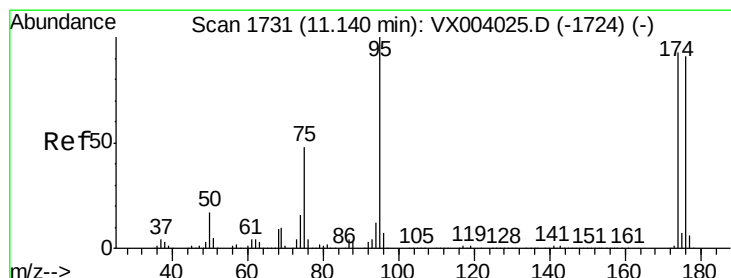
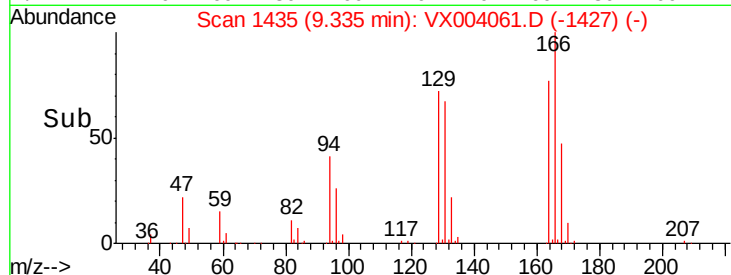
10000

5000

0

9.30 9.35 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 44.262 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004061.D

Acq: 15 Aug 2018 06:33

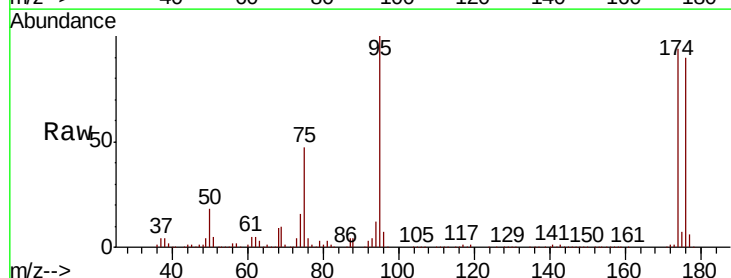
Tgt Ion: 95 Resp: 215514

Ion Ratio Lower Upper

95 100

174 92.7 0.0 182.8

176 88.4 0.0 179.0



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

200000

150000

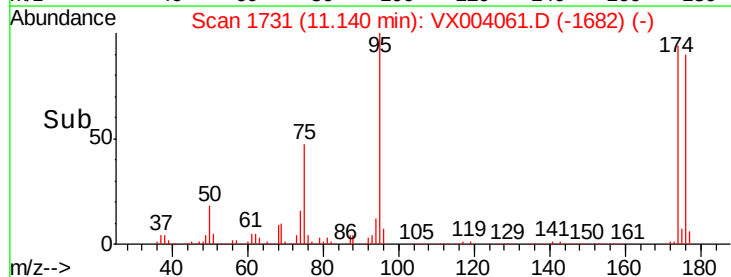
100000

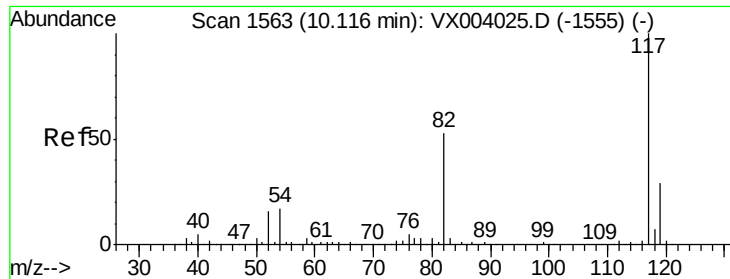
50000

0

11.10 11.20

Time-->

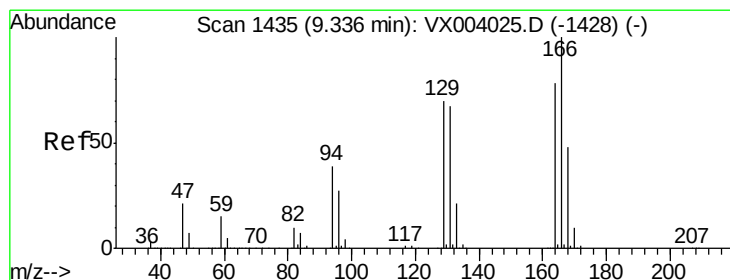
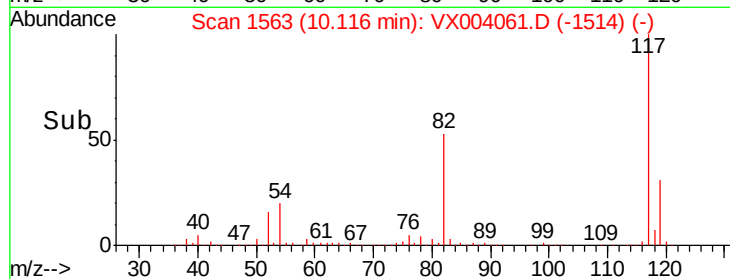
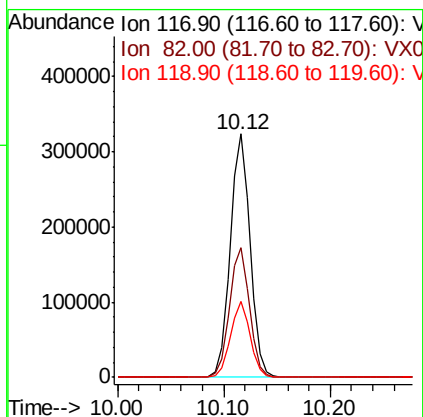
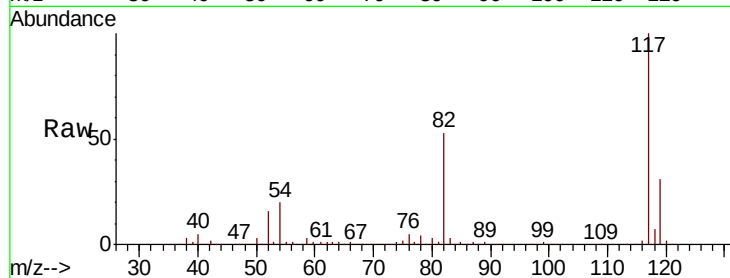




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004061.D
Acq: 15 Aug 2018 06:33

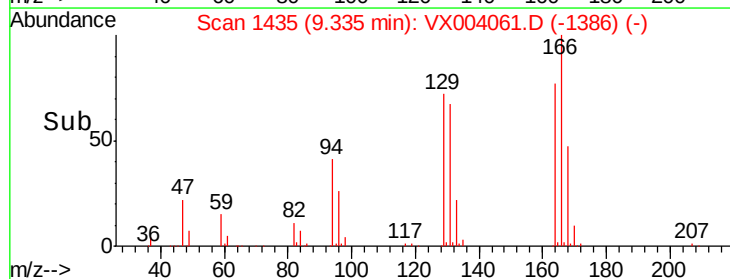
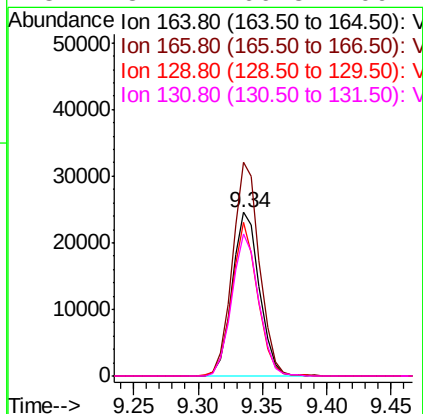
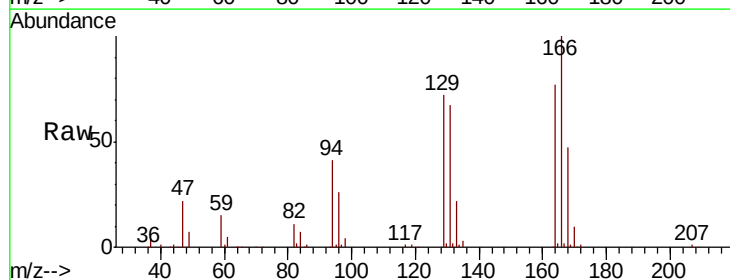
Instrument :
MSVOA_X
ClientSampled :
MW-296-SRI3

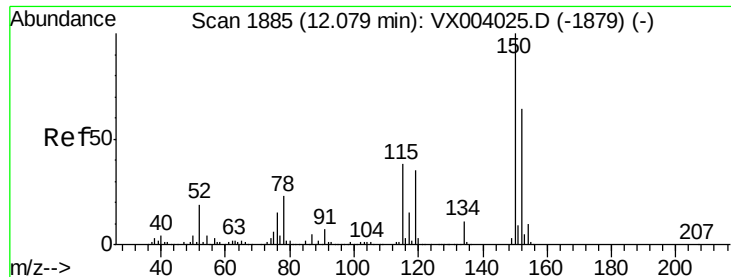
Tgt Ion:117 Resp: 424454
Ion Ratio Lower Upper
117 100
82 53.2 45.4 68.0
119 31.2 26.6 40.0



#64
Tetrachloroethene
Concen: 9.008 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004061.D
Acq: 15 Aug 2018 06:33

Tgt Ion:164 Resp: 36240
Ion Ratio Lower Upper
164 100
166 130.5 98.0 147.0
129 93.6 64.3 96.5
131 87.2 66.8 100.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004061.D

Acq: 15 Aug 2018 06:33

Instrument :

MSVOA_X

ClientSampleId :

MW-296-SRI3

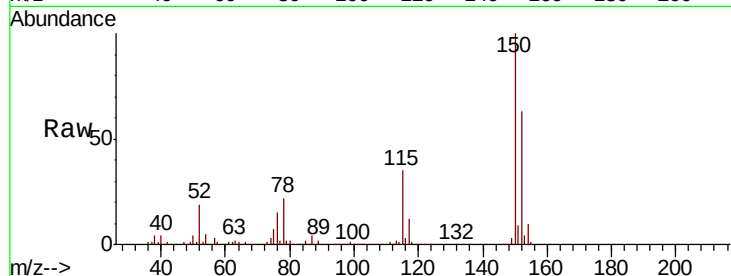
Tgt Ion:152 Resp: 225501

Ion Ratio Lower Upper

152 100

115 55.1 39.1 117.3

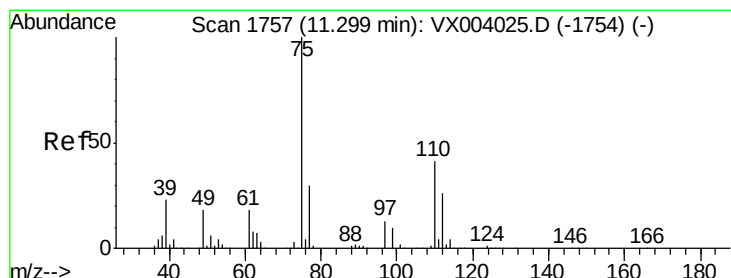
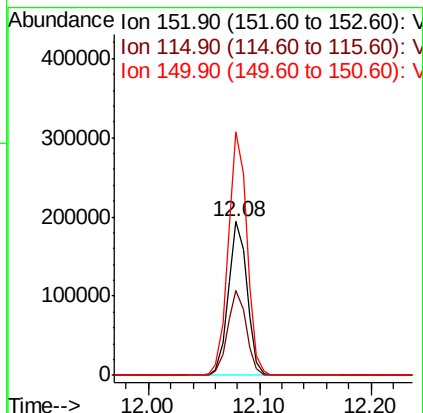
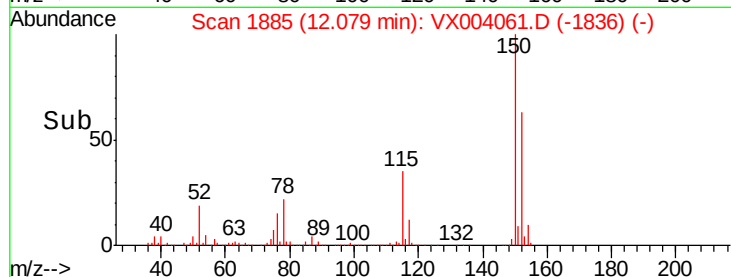
150 158.2 0.0 349.2



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: 23.145 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004061.D

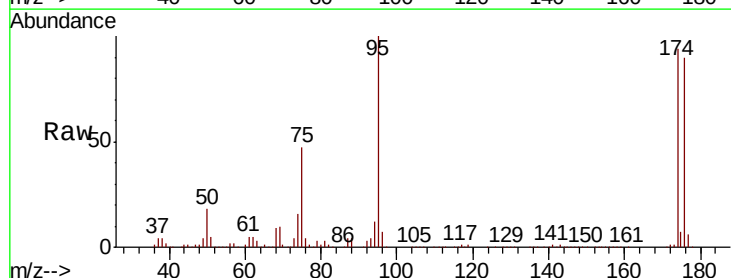
Acq: 15 Aug 2018 06:33

Tgt Ion: 75 Resp: 104668

Ion Ratio Lower Upper

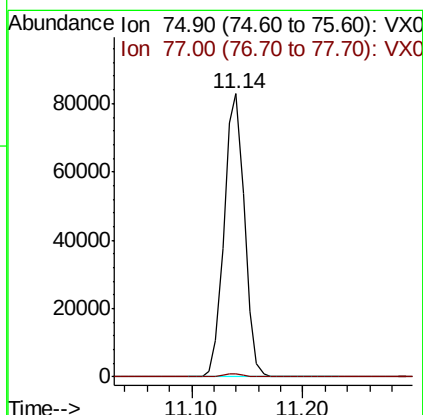
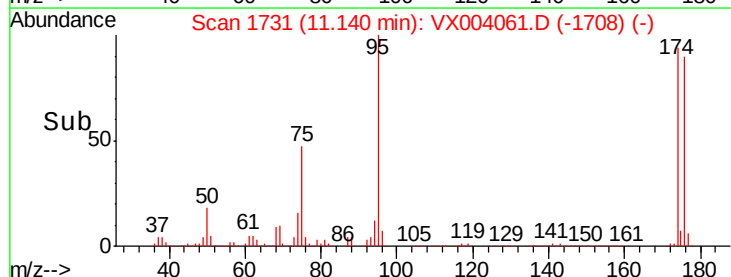
75 100

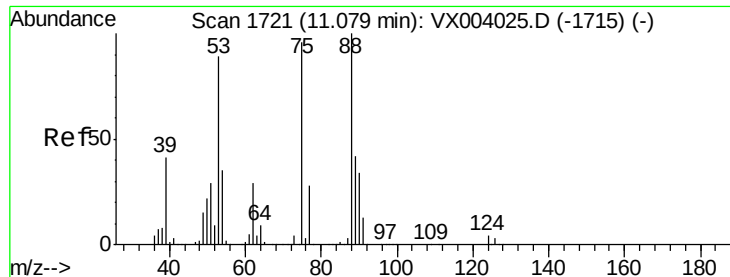
77 1.3 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

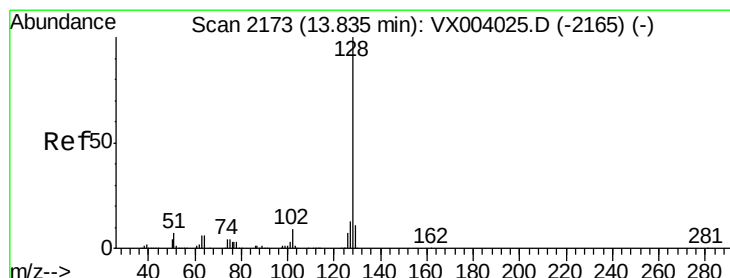
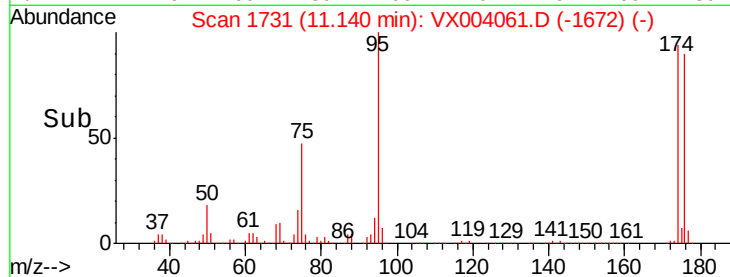
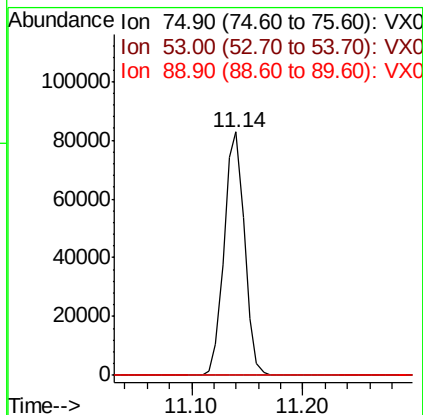
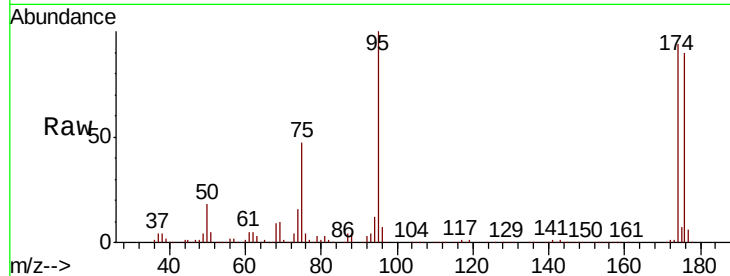




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.647 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX004061.D
 Acq: 15 Aug 2018 06:33

Instrument :
 MSVOA_X
 ClientSampled :
 MW-296-SRI3

Tgt Ion: 75 Resp: 104668
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.3 120.5#
 89 0.0 37.8 56.8#



#95
 Naphthalene
 Concen: 1.166 ug/l
 RT: 13.83 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: VX004061.D
 Acq: 15 Aug 2018 06:33

Tgt Ion: 128 Resp: 354
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.8 13.2#

