

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030719\
 Data File : VX007892.D
 Acq On : 07 Mar 2019 18:58
 Operator : JC/SP
 Sample : K1793-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D3-20190306

Quant Time: Mar 08 04:45:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	285418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	449131	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	418251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200803	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	159329	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
35) Dibromofluoromethane	5.50	113	149468	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
50) Toluene-d8	8.71	98	543666	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	11.13	95	197120	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	

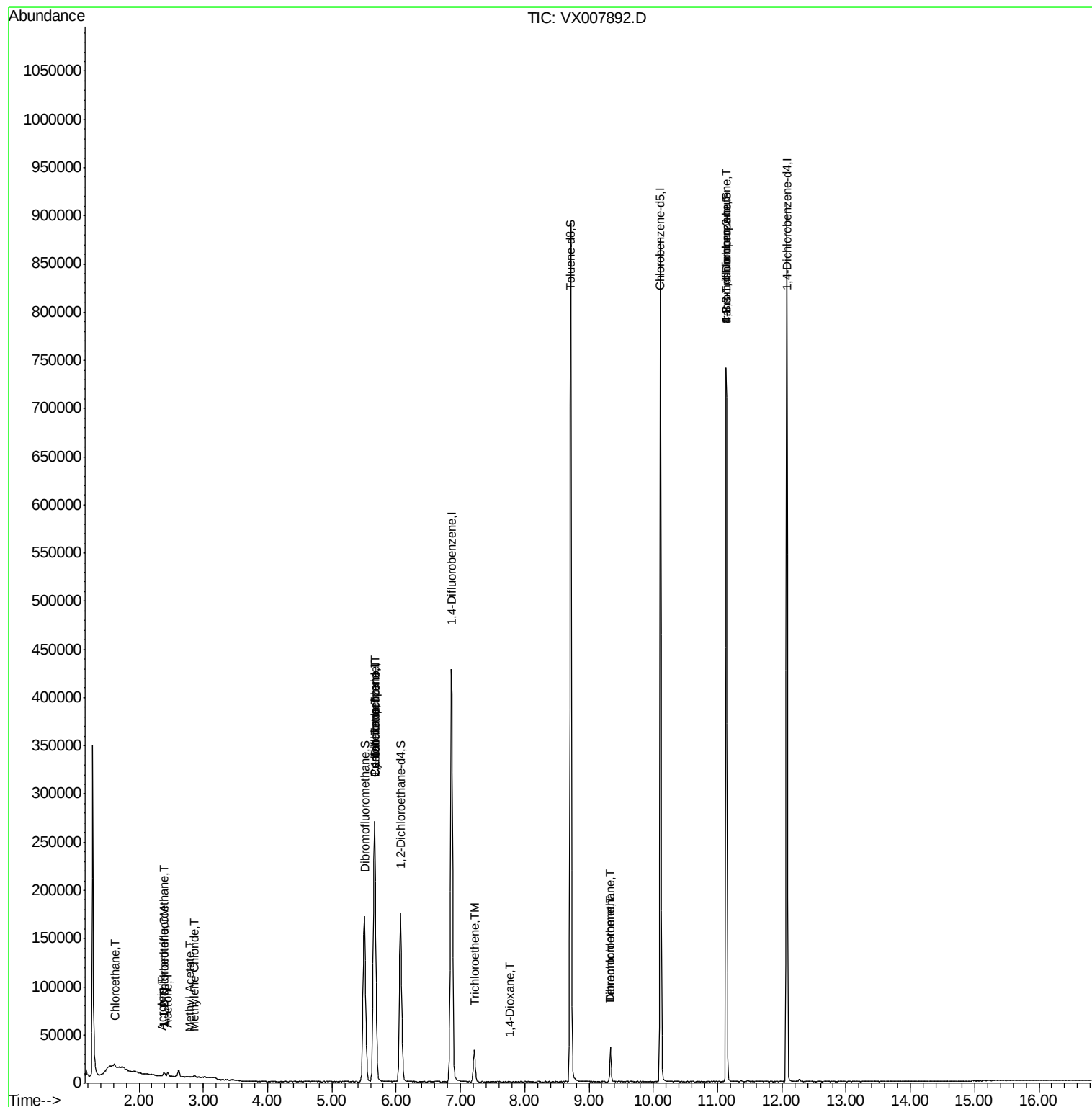
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	86	Below Cal	#	37
6) Chloroethane	1.63	64	1644	0.793	ug/l #	48
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1074	0.426	ug/l	88
12) 1,1-Dichloroethene	2.38	96	524	0.216	ug/l	93
13) Acrolein	2.35	56	39	1.643	ug/l #	1
16) Acetone	2.45	43	4818	2.765	ug/l	98
17) Carbon Disulfide	2.57	76	692	Below Cal	#	79
18) Methyl Acetate	2.78	43	997	0.269	ug/l	94
20) Methylene Chloride	2.85	84	747	0.269	ug/l #	74
31) Cyclohexane	5.67	56	4583	0.991	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17979	4.421	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24388	6.317	ug/l #	16
44) Trichloroethene	7.21	130	12900	3.866	ug/l	99
49) 1,4-Dioxane	7.76	88	176	2.282	ug/l #	39
60) Dibromochloromethane	9.34	129	6547	2.093	ug/l #	11
64) Tetrachloroethene	9.34	164	7377	2.128	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	90211	21.409	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	90211	68.434	ug/l #	11

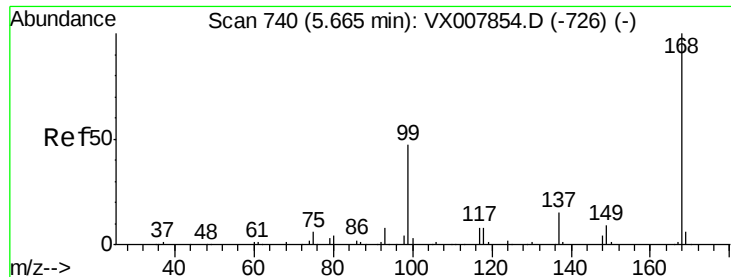
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007892.D

Acq: 07 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

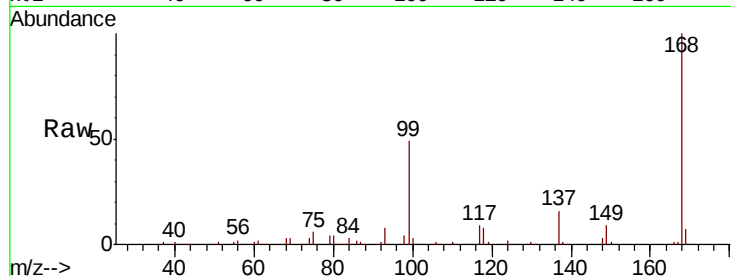
RE126D3-20190306

Tgt Ion:168 Resp: 285418

Ion Ratio Lower Upper

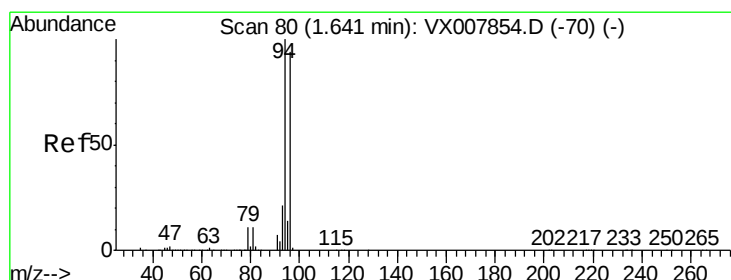
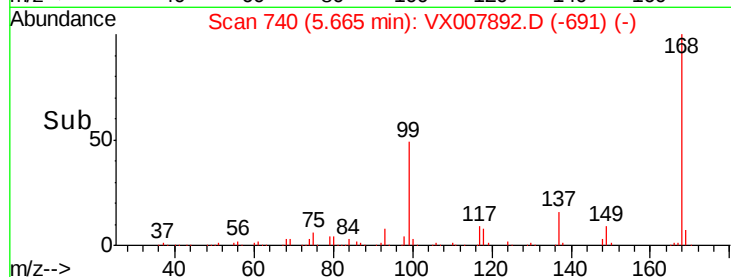
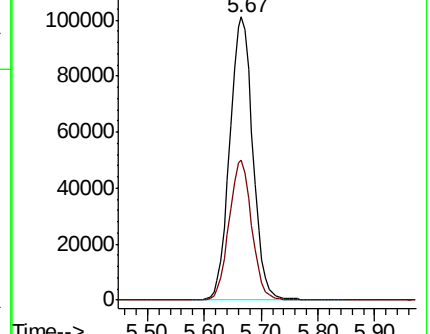
168 100

99 49.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007892.D

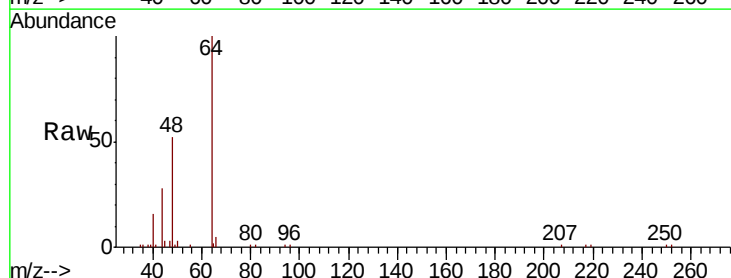
Acq: 07 Mar 2019 18:58

Tgt Ion: 94 Resp: 86

Ion Ratio Lower Upper

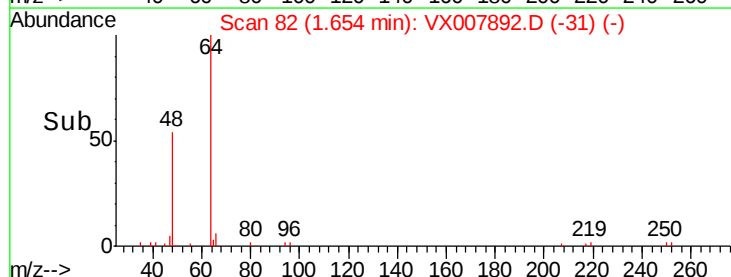
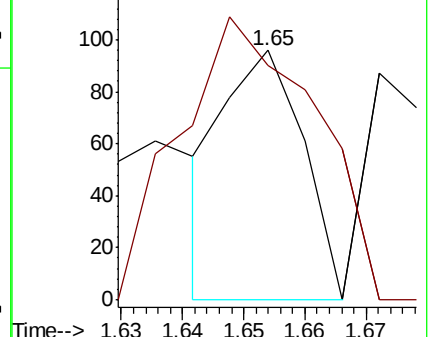
94 100

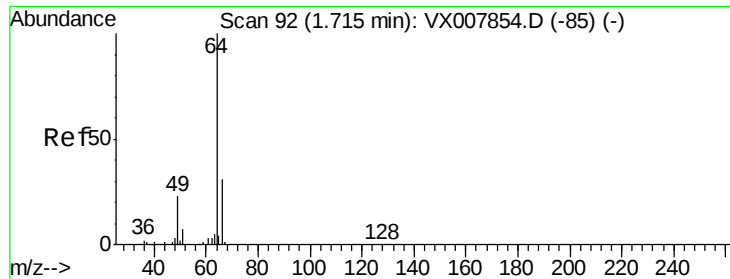
96 33.3 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.793 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.09 min

Lab File: VX007892.D

Acq: 07 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

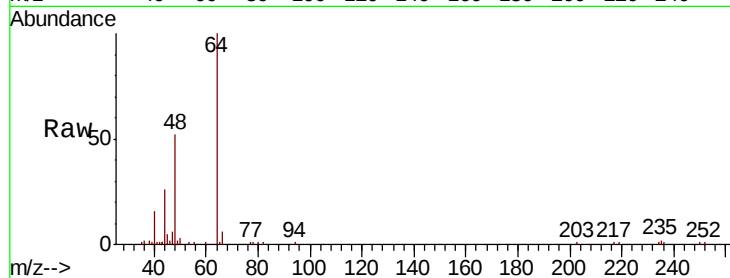
RE126D3-20190306

Tgt Ion: 64 Resp: 1644

Ion Ratio Lower Upper

64 100

66 3.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.63

8000

6000

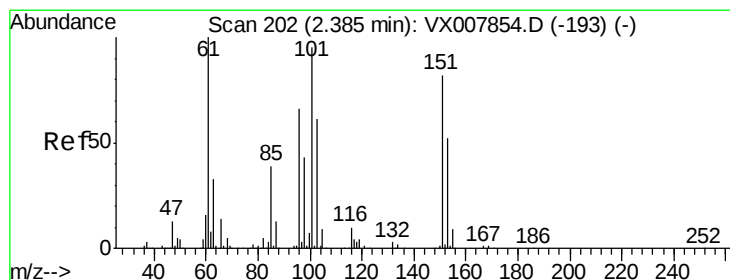
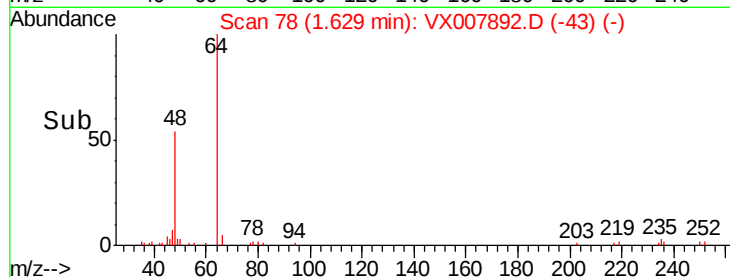
4000

2000

0

1.62 1.64

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.426 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX007892.D

Acq: 07 Mar 2019 18:58

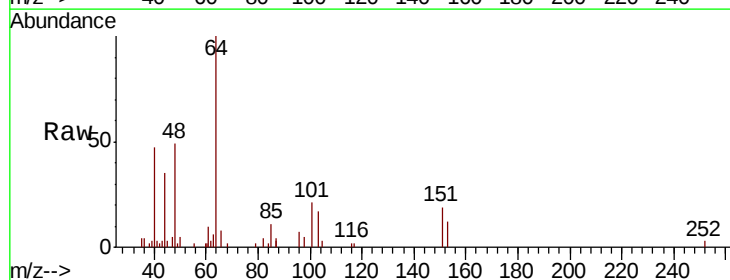
Tgt Ion: 101 Resp: 1074

Ion Ratio Lower Upper

101 100

85 45.4 33.8 50.6

151 100.6 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

800

600

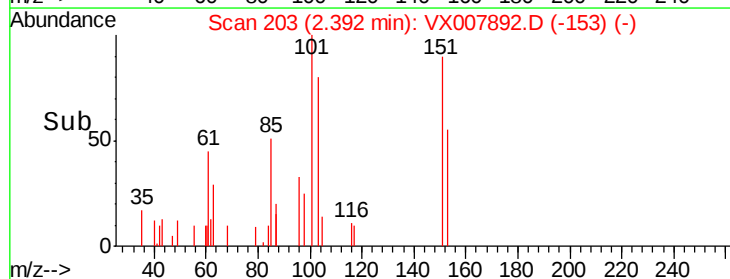
400

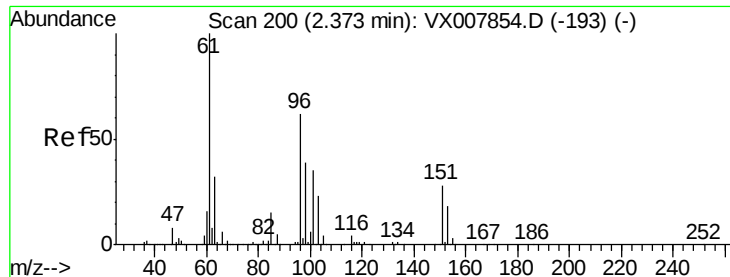
200

0

2.35 2.40 2.45

Time-->





#12

1,1-Dichloroethene

Concen: 0.216 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX007892.D

Acq: 07 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

RE126D3-20190306

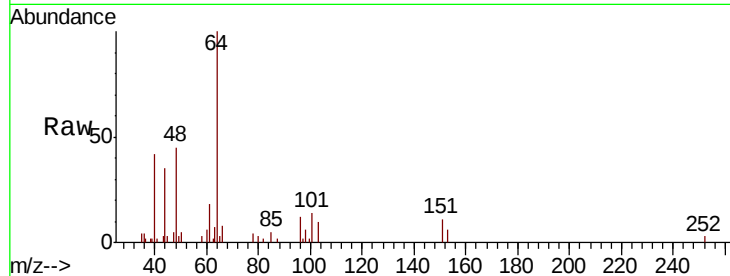
Tgt Ion: 96 Resp: 524

Ion Ratio Lower Upper

96 100

61 156.6 129.8 194.6

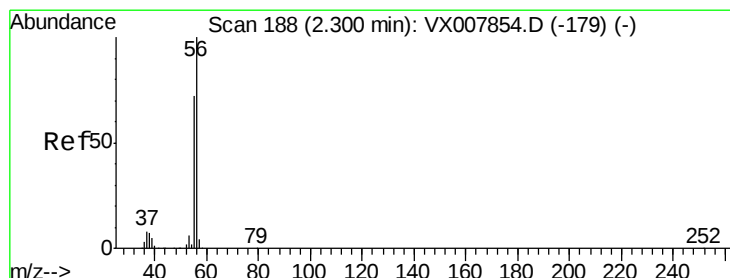
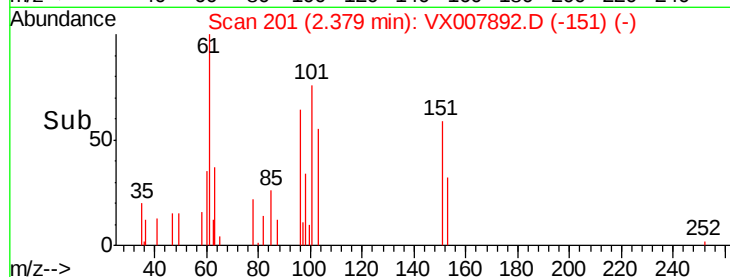
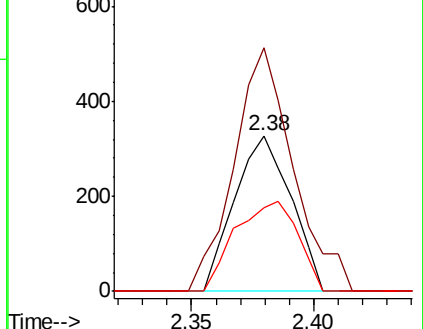
98 53.8 51.0 76.6



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



#13

Acrolein

Concen: 1.643 ug/l

RT: 2.35 min Scan# 197

Delta R.T. 0.06 min

Lab File: VX007892.D

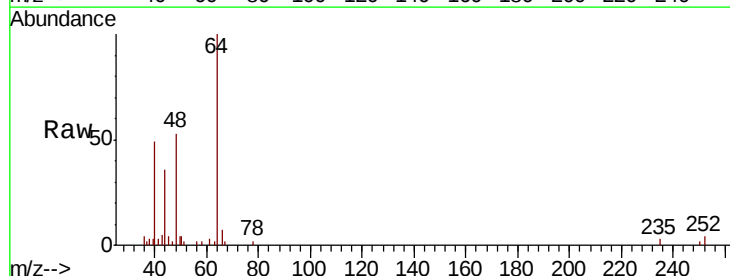
Acq: 07 Mar 2019 18:58

Tgt Ion: 56 Resp: 39

Ion Ratio Lower Upper

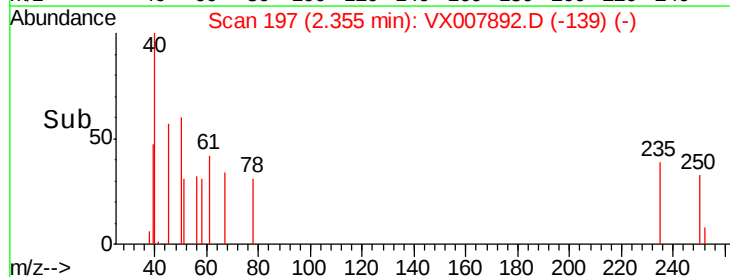
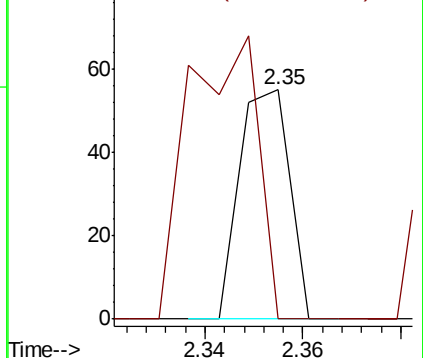
56 100

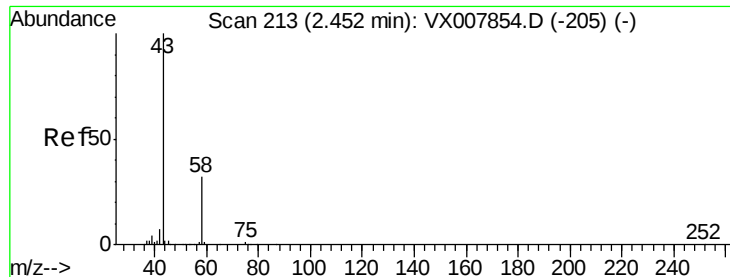
55 171.8 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.765 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007892.D

Acq: 07 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

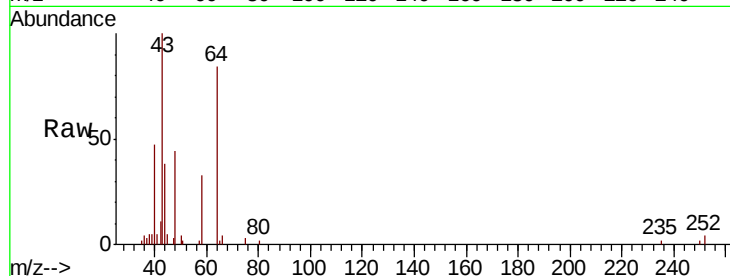
RE126D3-20190306

Tgt Ion: 43 Resp: 4818

Ion Ratio Lower Upper

43 100

58 33.2 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

3000

2500

2000

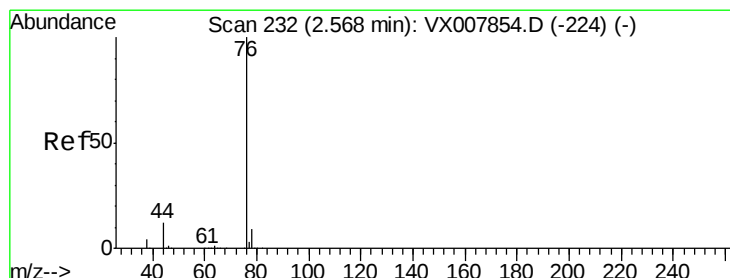
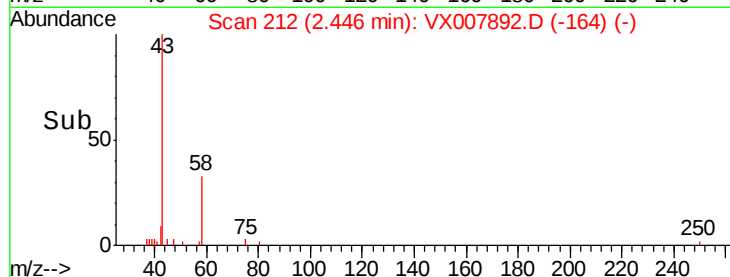
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50 2.55



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX007892.D

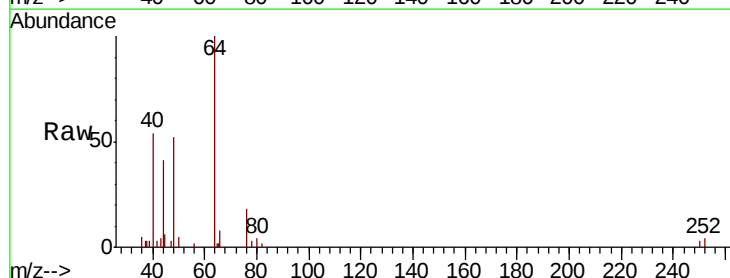
Acq: 07 Mar 2019 18:58

Tgt Ion: 76 Resp: 692

Ion Ratio Lower Upper

76 100

78 1.2 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

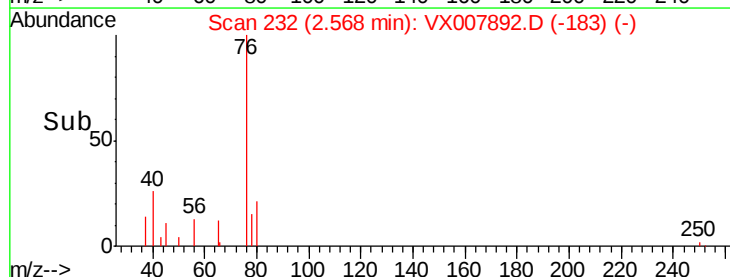
300

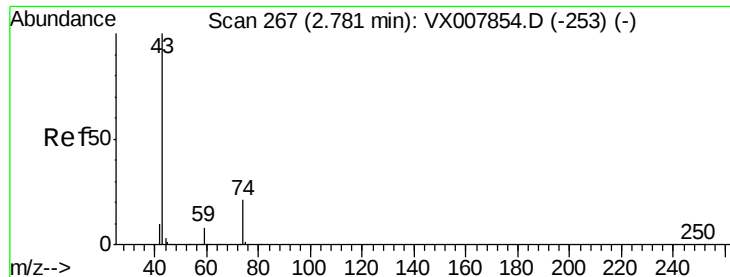
200

100

0

Time--> 2.55 2.60

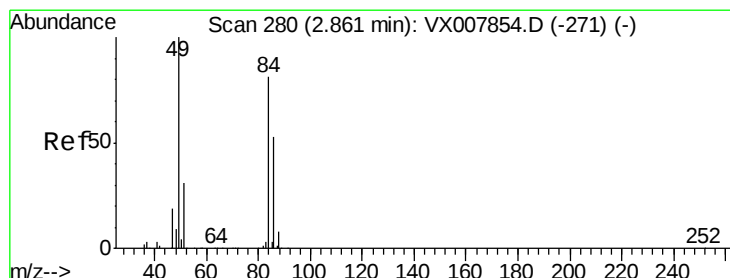
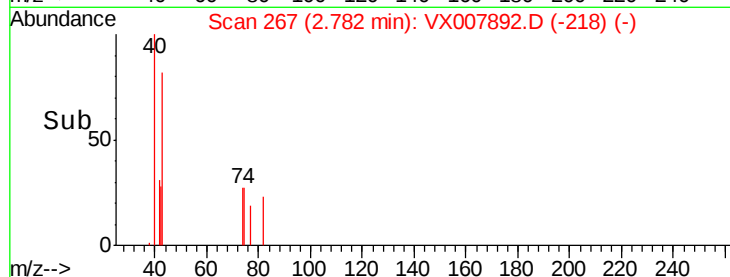
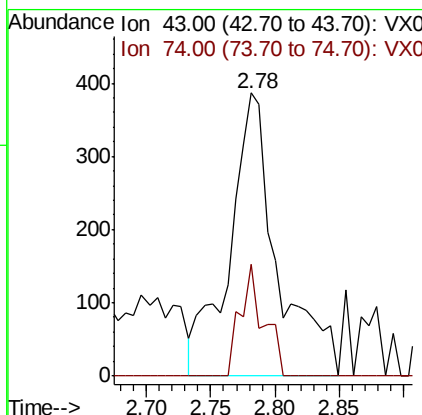
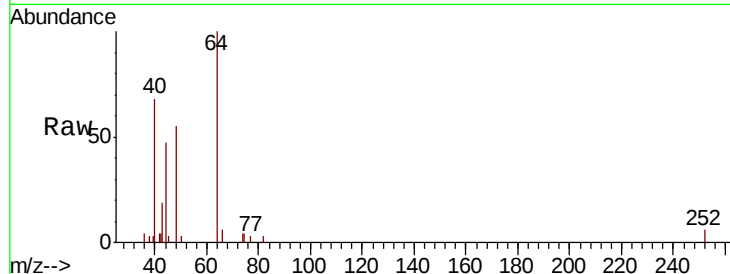




#18
Methyl Acetate
Concen: 0.269 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007892.D
Acq: 07 Mar 2019 18:58

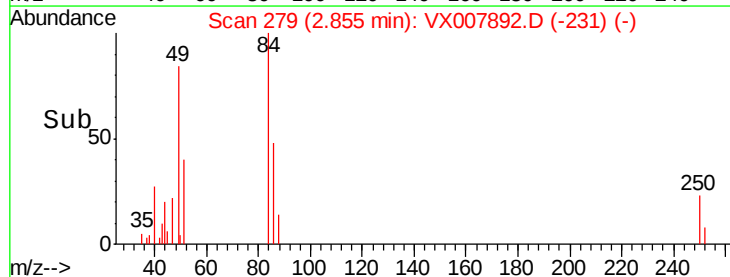
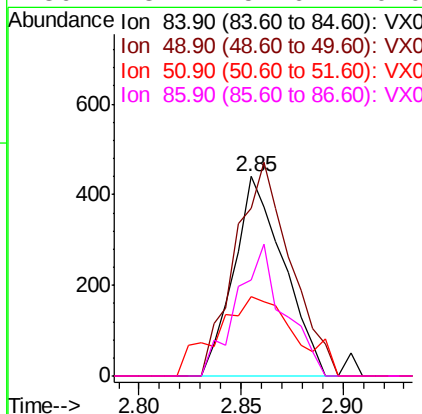
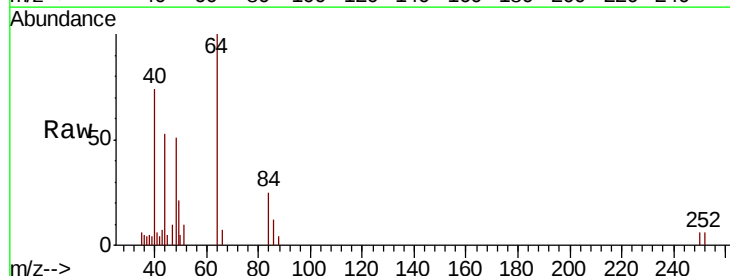
Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20190306

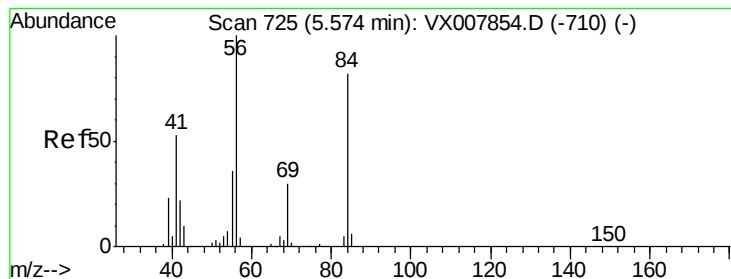
Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
74 19.3 17.8 26.6



#20
Methylene Chloride
Concen: 0.269 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007892.D
Acq: 07 Mar 2019 18:58

Tgt Ion: 84 Resp: 747
Ion Ratio Lower Upper
84 100
49 84.3 99.3 148.9#
51 40.0 31.3 46.9
86 48.4 52.6 79.0#





#31

Cyclohexane

Concen: 0.991 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX007892.D

Acq: 07 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

RE126D3-20190306

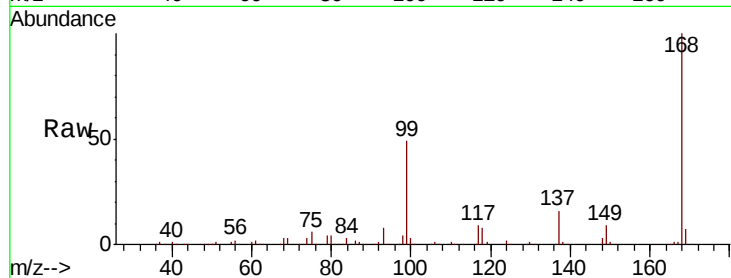
Tgt Ion: 56 Resp: 4583

Ion Ratio Lower Upper

56 100

69 198.6 24.0 36.0#

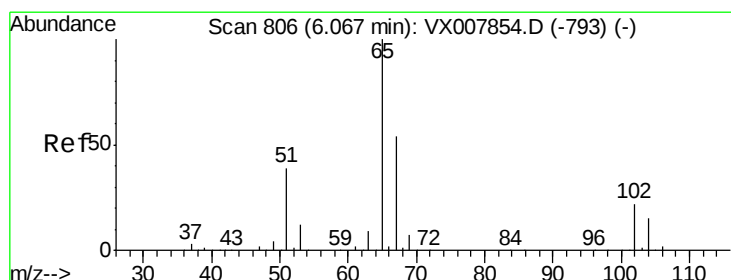
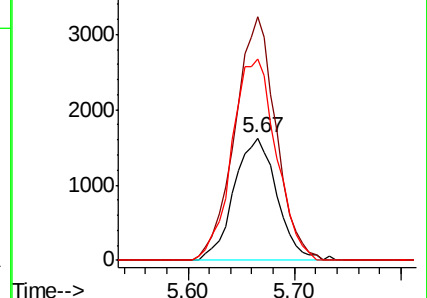
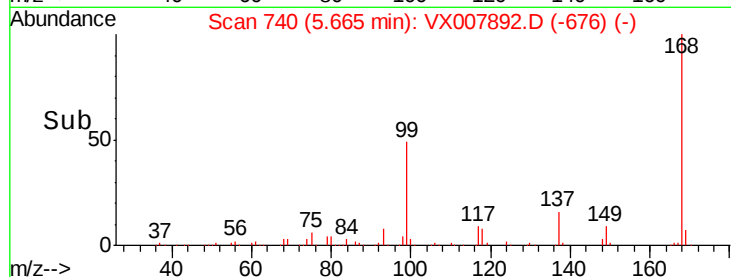
84 164.4 65.3 97.9#



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: 52.918 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007892.D

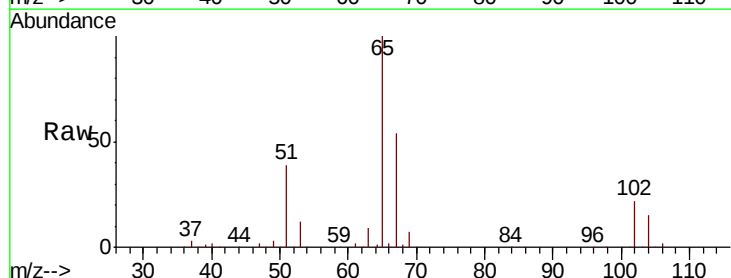
Acq: 07 Mar 2019 18:58

Tgt Ion: 65 Resp: 159329

Ion Ratio Lower Upper

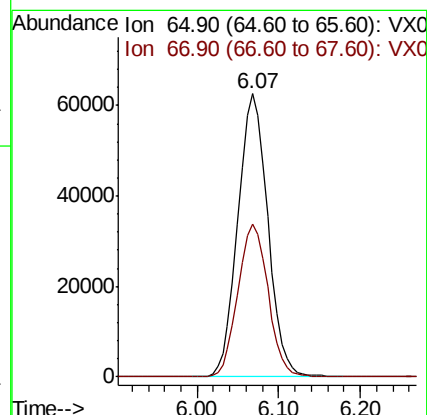
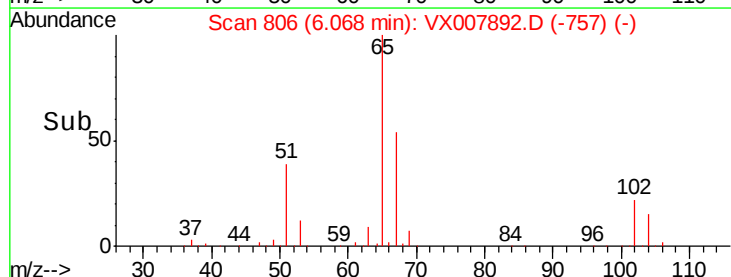
65 100

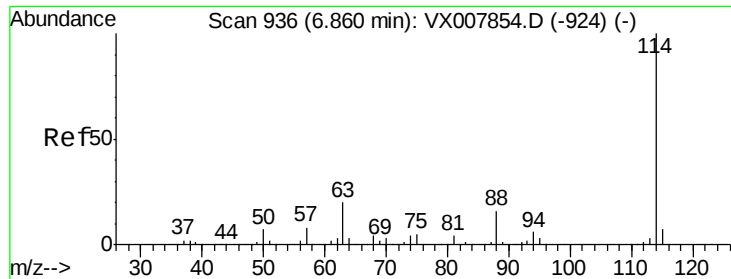
67 54.4 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

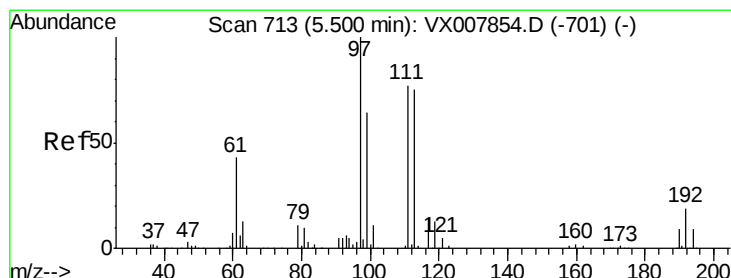
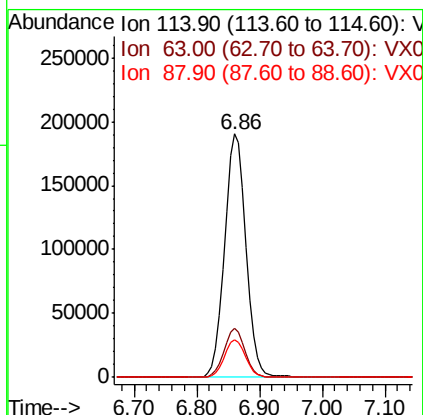
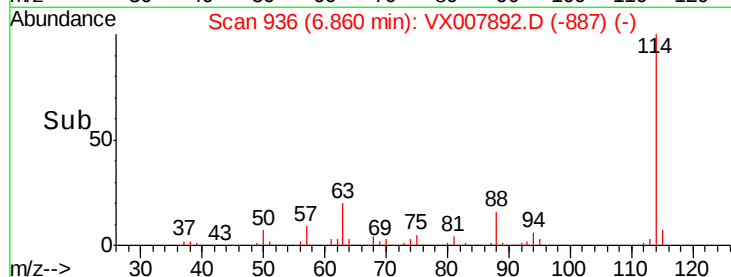
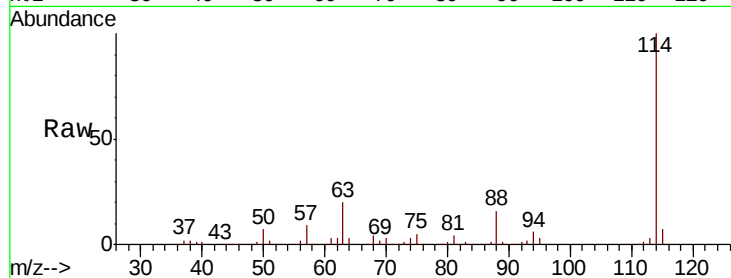




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX007892.D
Acq: 07 Mar 2019 18:58

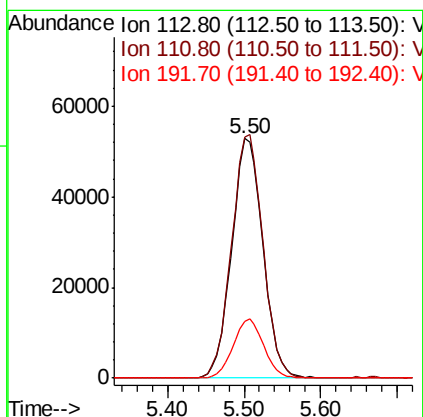
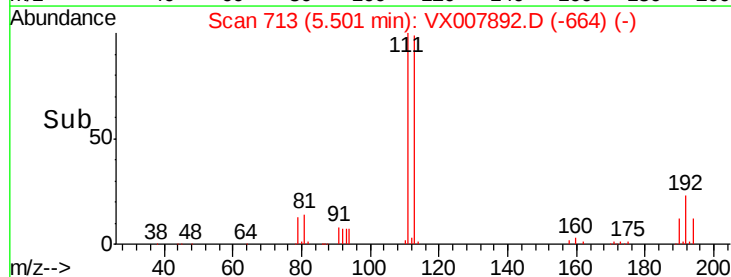
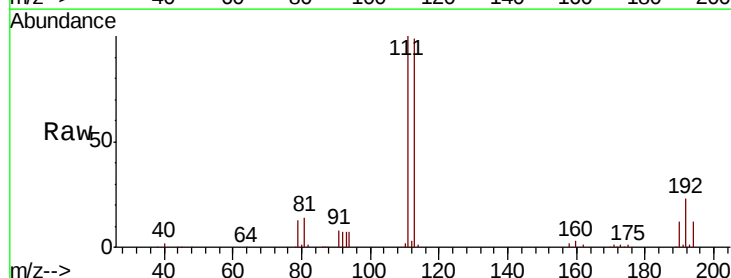
Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20190306

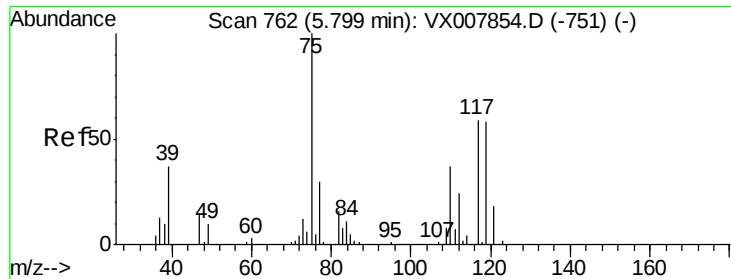
Tgt Ion:114 Resp: 449131
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.8
88 15.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.026 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX007892.D
Acq: 07 Mar 2019 18:58

Tgt Ion:113 Resp: 149468
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 24.2 19.4 29.0

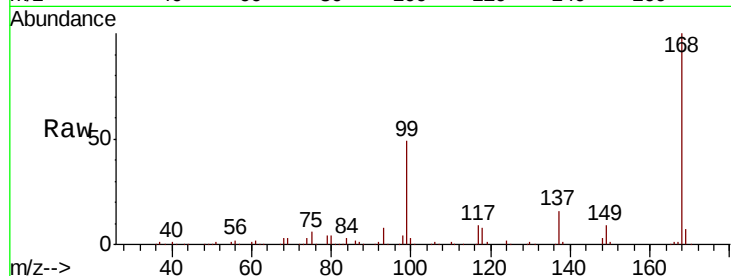




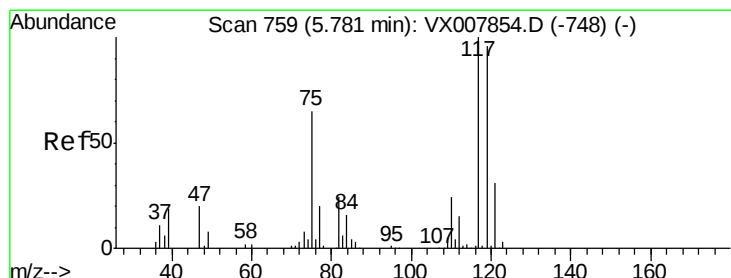
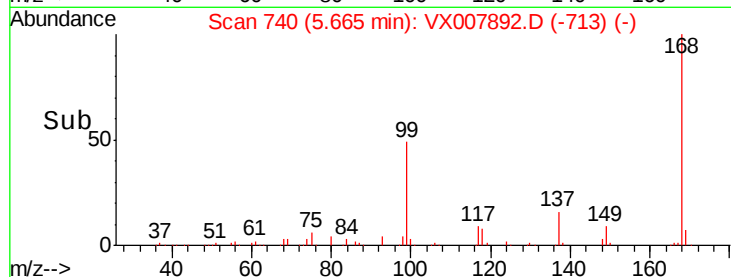
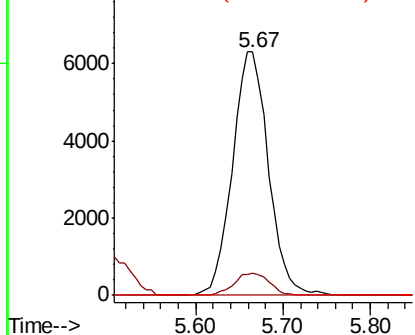
#36
 1,1-Dichloropropene
 Concen: 4.421 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007892.D
 Acq: 07 Mar 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D3-20190306

Tgt Ion: 75 Resp: 17979
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.4 55.0#
 77 0.0 25.0 37.4#

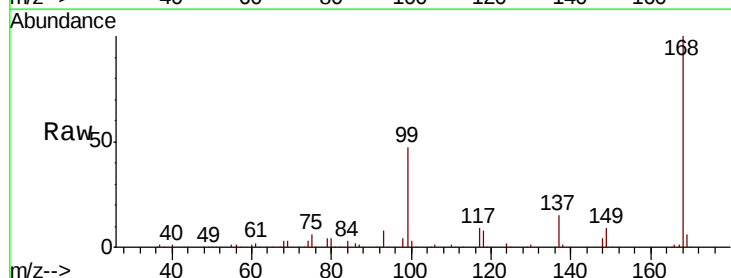


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

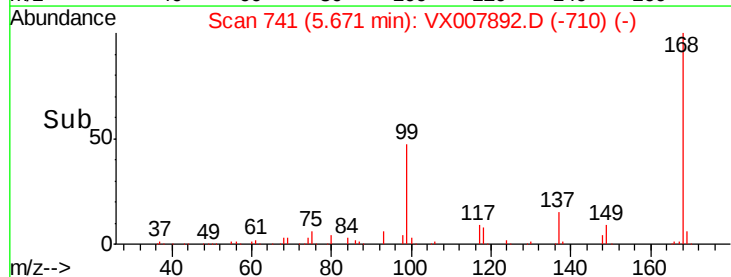
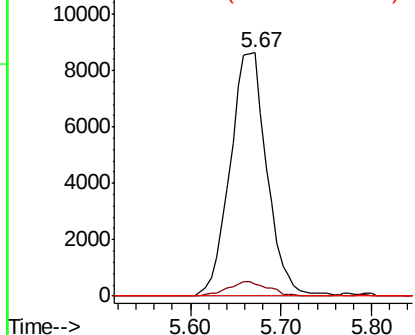


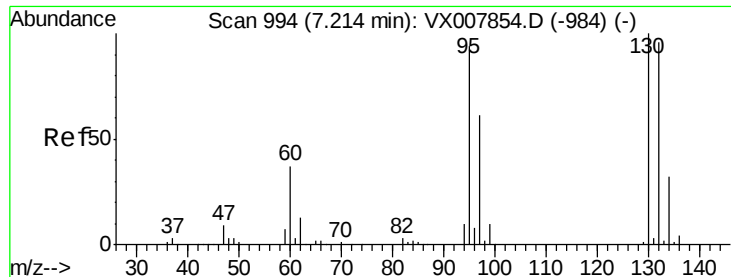
#38
 Carbon Tetrachloride
 Concen: 6.317 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.11 min
 Lab File: VX007892.D
 Acq: 07 Mar 2019 18:58

Tgt Ion: 117 Resp: 24388
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.2 114.2#
 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





#44

Trichloroethene

Concen: 3.866 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007892.D

Acq: 07 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

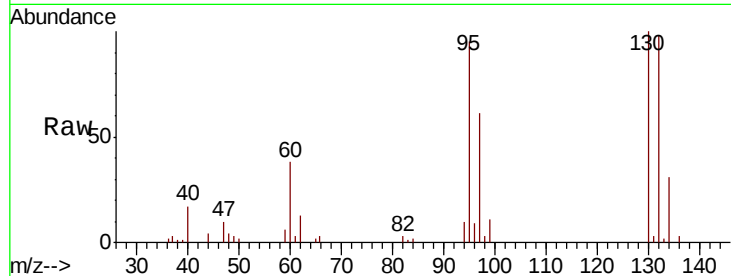
RE126D3-20190306

Tgt Ion:130 Resp: 12900

Ion Ratio Lower Upper

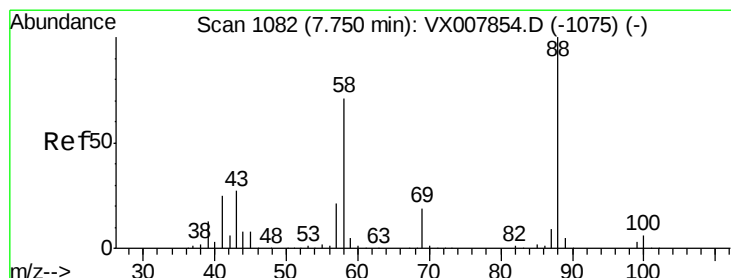
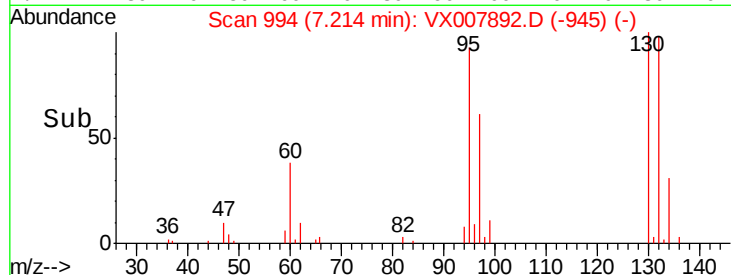
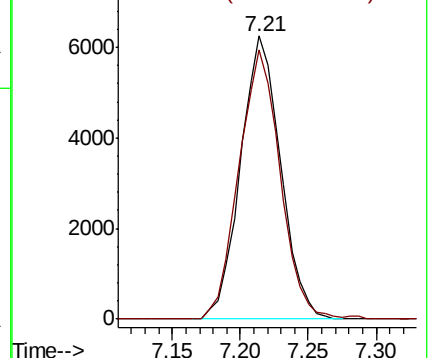
130 100

95 95.3 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 2.282 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX007892.D

Acq: 07 Mar 2019 18:58

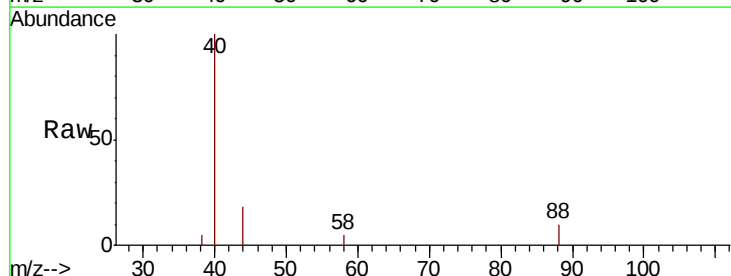
Tgt Ion: 88 Resp: 176

Ion Ratio Lower Upper

88 100

43 30.1 25.1 37.7

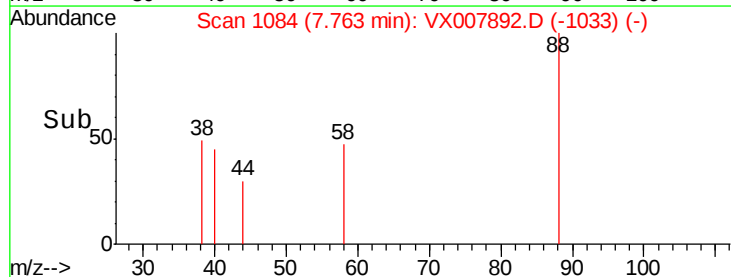
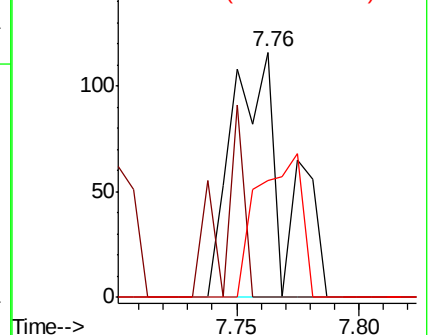
58 0.0 57.8 86.6#

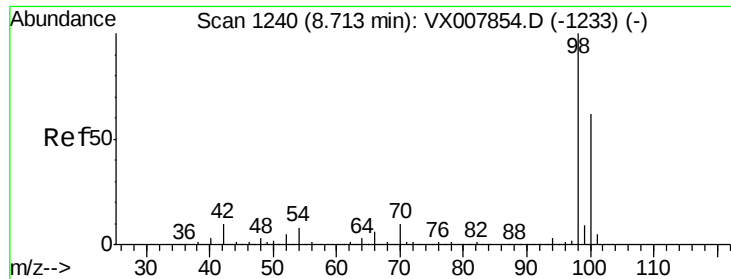


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.527 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007892.D

Acq: 07 Mar 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

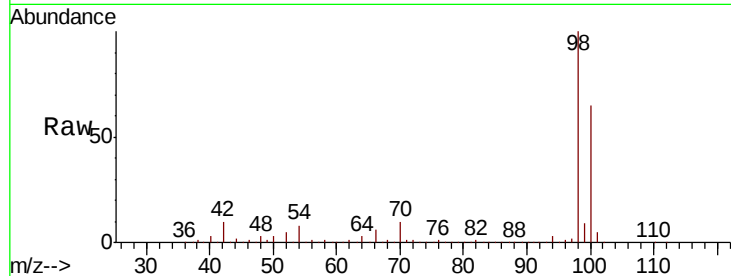
RE126D3-20190306

Tgt Ion: 98 Resp: 543666

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX007854.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX007854.D (-1233) (-)

8.71

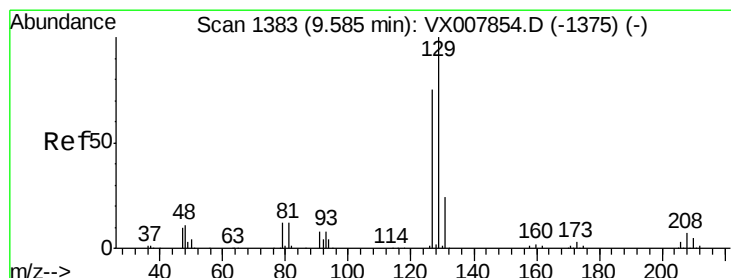
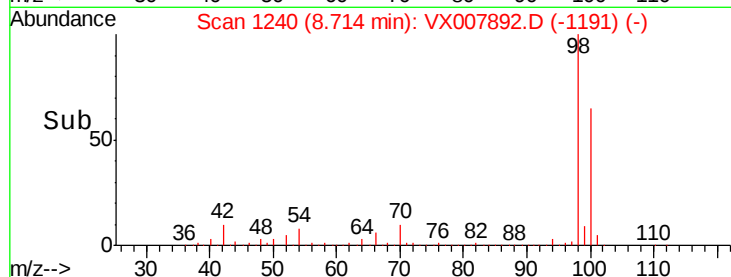
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 2.093 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX007892.D

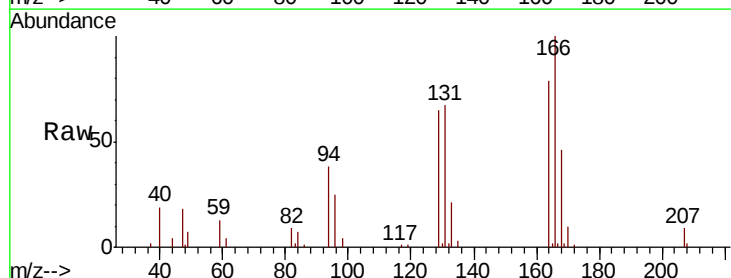
Acq: 07 Mar 2019 18:58

Tgt Ion: 129 Resp: 6547

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): VX007854.D (-1375) (-)

Ion 126.80 (126.50 to 127.50): VX007854.D (-1375) (-)

9.34

5000

4000

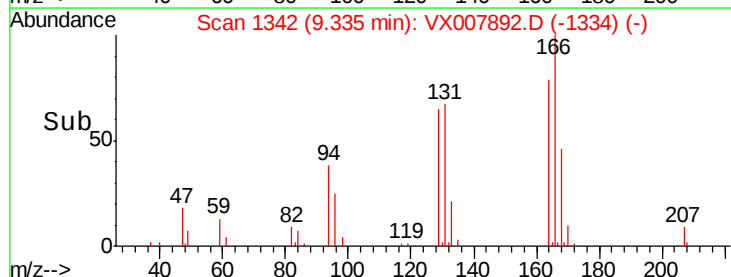
3000

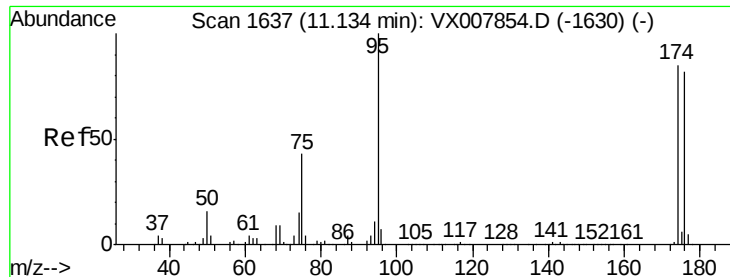
2000

1000

0

Time-->

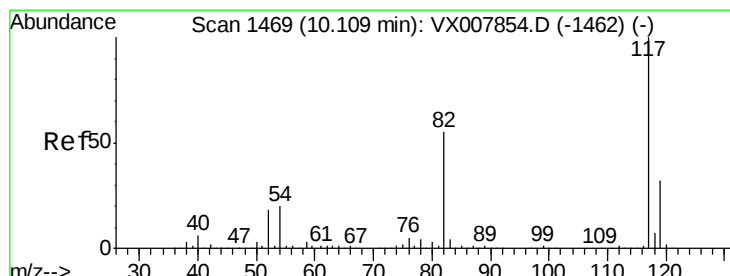
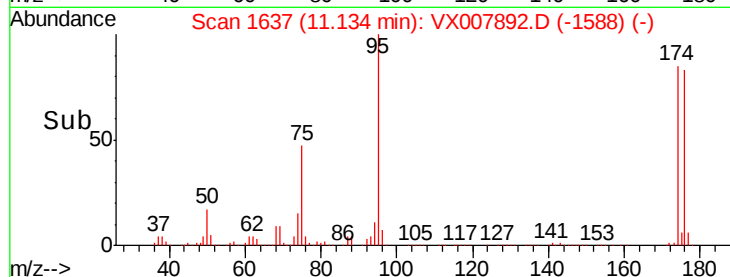
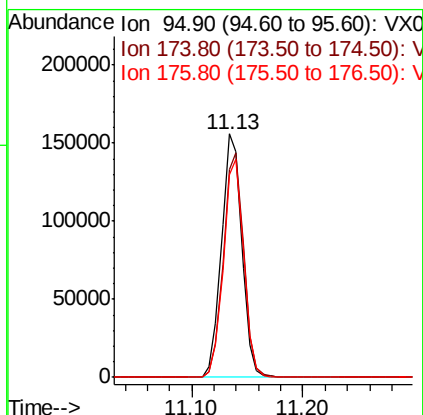
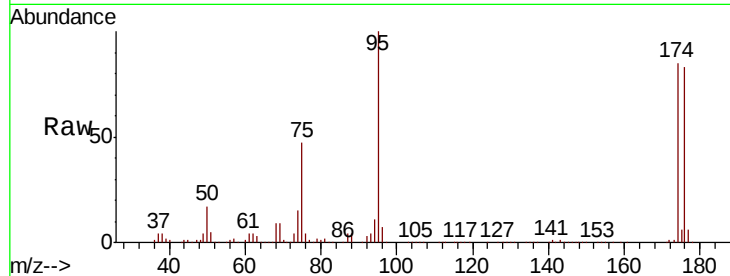




#62
4-Bromofluorobenzene
Concen: 53.287 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007892.D
Acq: 07 Mar 2019 18:58

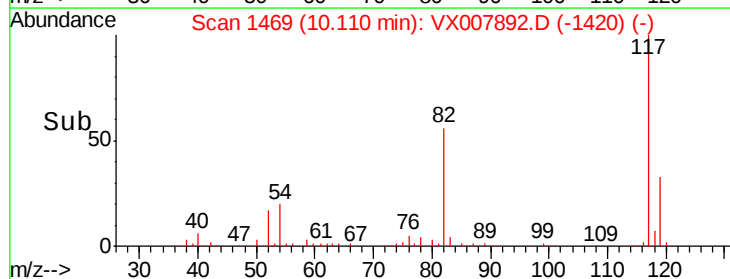
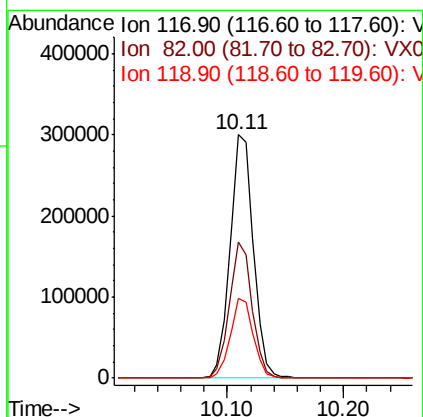
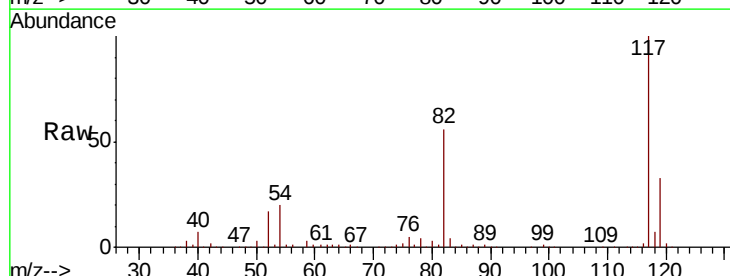
Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20190306

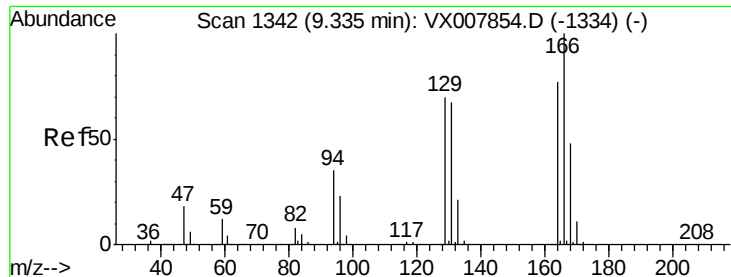
Tgt Ion: 95 Resp: 197120
Ion Ratio Lower Upper
95 100
174 92.0 0.0 182.8
176 89.2 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007892.D
Acq: 07 Mar 2019 18:58

Tgt Ion: 117 Resp: 418251
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 32.8 25.3 37.9

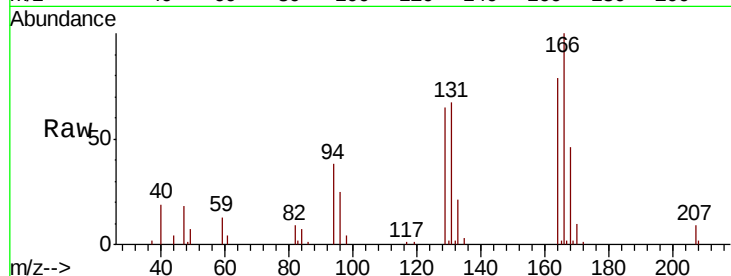




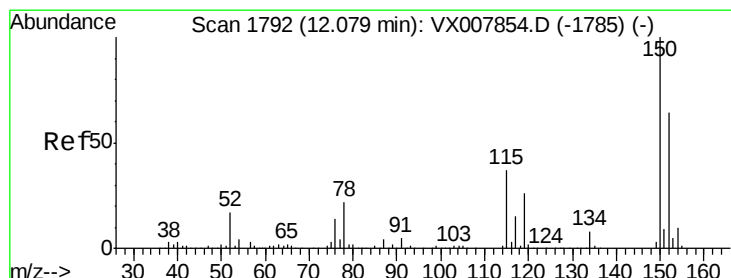
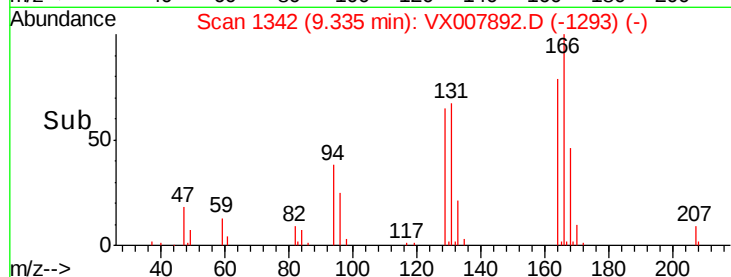
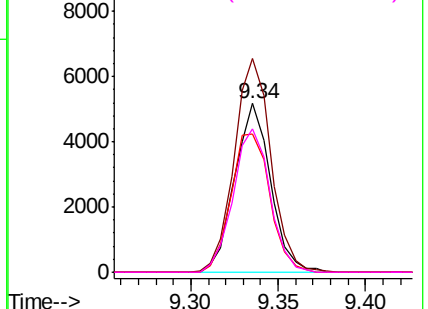
#64
Tetrachloroethene
Concen: 2.128 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007892.D
Acq: 07 Mar 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
RE126D3-20190306

Tgt Ion:164 Resp: 7377
Ion Ratio Lower Upper
164 100
166 126.5 103.4 155.0
129 81.7 72.2 108.4
131 84.6 69.4 104.2

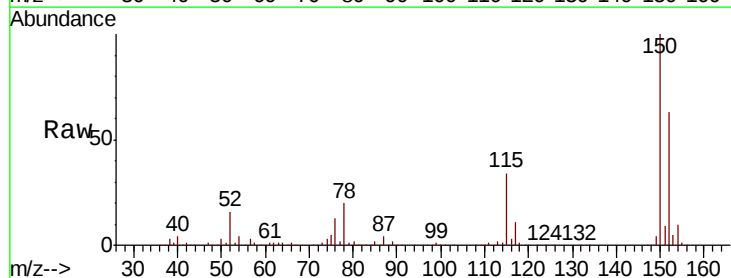


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

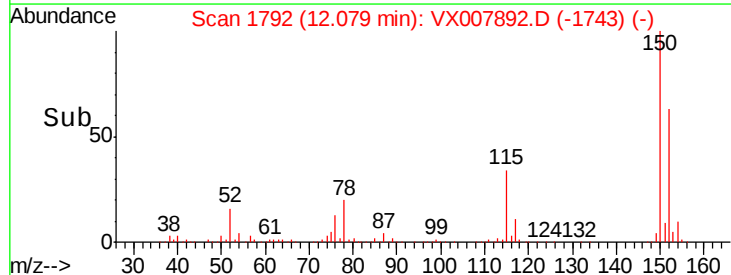
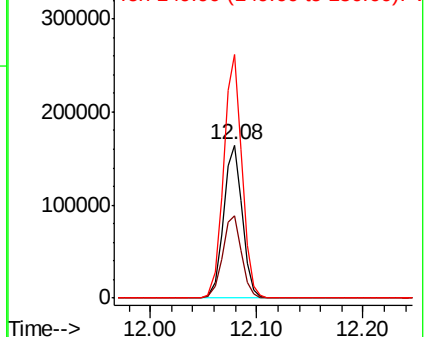


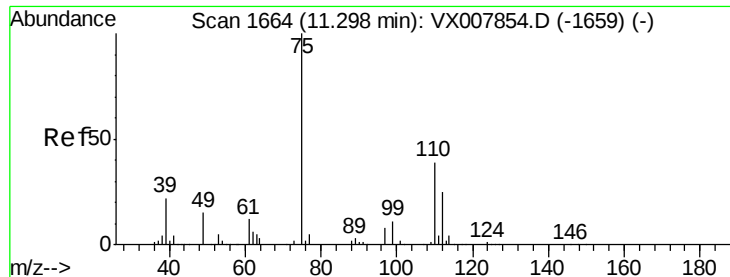
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007892.D
Acq: 07 Mar 2019 18:58

Tgt Ion:152 Resp: 200803
Ion Ratio Lower Upper
152 100
115 55.1 38.6 115.7
150 156.7 0.0 348.4



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

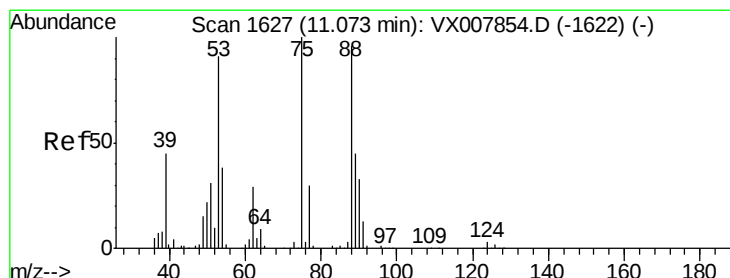
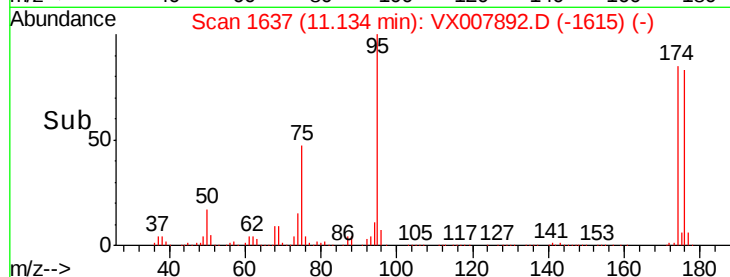
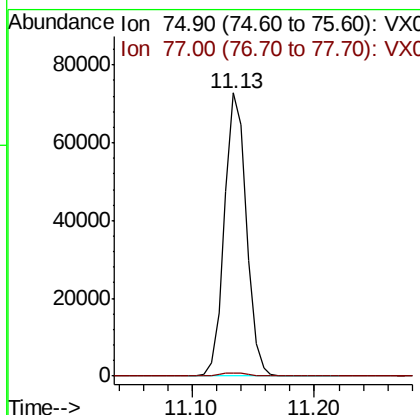
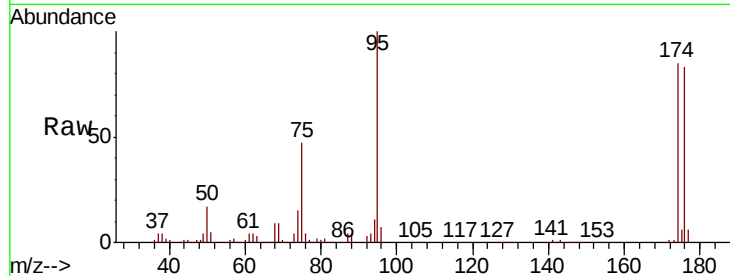




#76
 1,2,3-Trichloropropane
 Concen: 21.409 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007892.D
 Acq: 07 Mar 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D3-20190306

Tgt Ion: 75 Resp: 90211
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.434 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007892.D
 Acq: 07 Mar 2019 18:58

Tgt Ion: 75 Resp: 90211
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.3 54.5#

