

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031219\
 Data File : VX008016.D
 Acq On : 12 Mar 2019 15:14
 Operator : JC/SP
 Sample : K1841-01DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308DL

Quant Time: Mar 13 05:19:58 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	352541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	638735	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	628015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	320084	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	238452	64.12	ug/l	0.00
Spiked Amount			Recovery	=	128.24%	
35) Dibromofluoromethane	5.50	113	232646	56.94	ug/l	0.00
Spiked Amount			Recovery	=	113.88%	
50) Toluene-d8	8.71	98	858191	57.19	ug/l	0.00
Spiked Amount			Recovery	=	114.38%	
62) 4-Bromofluorobenzene	11.13	95	321197	61.05	ug/l	0.00
Spiked Amount			Recovery	=	122.10%	

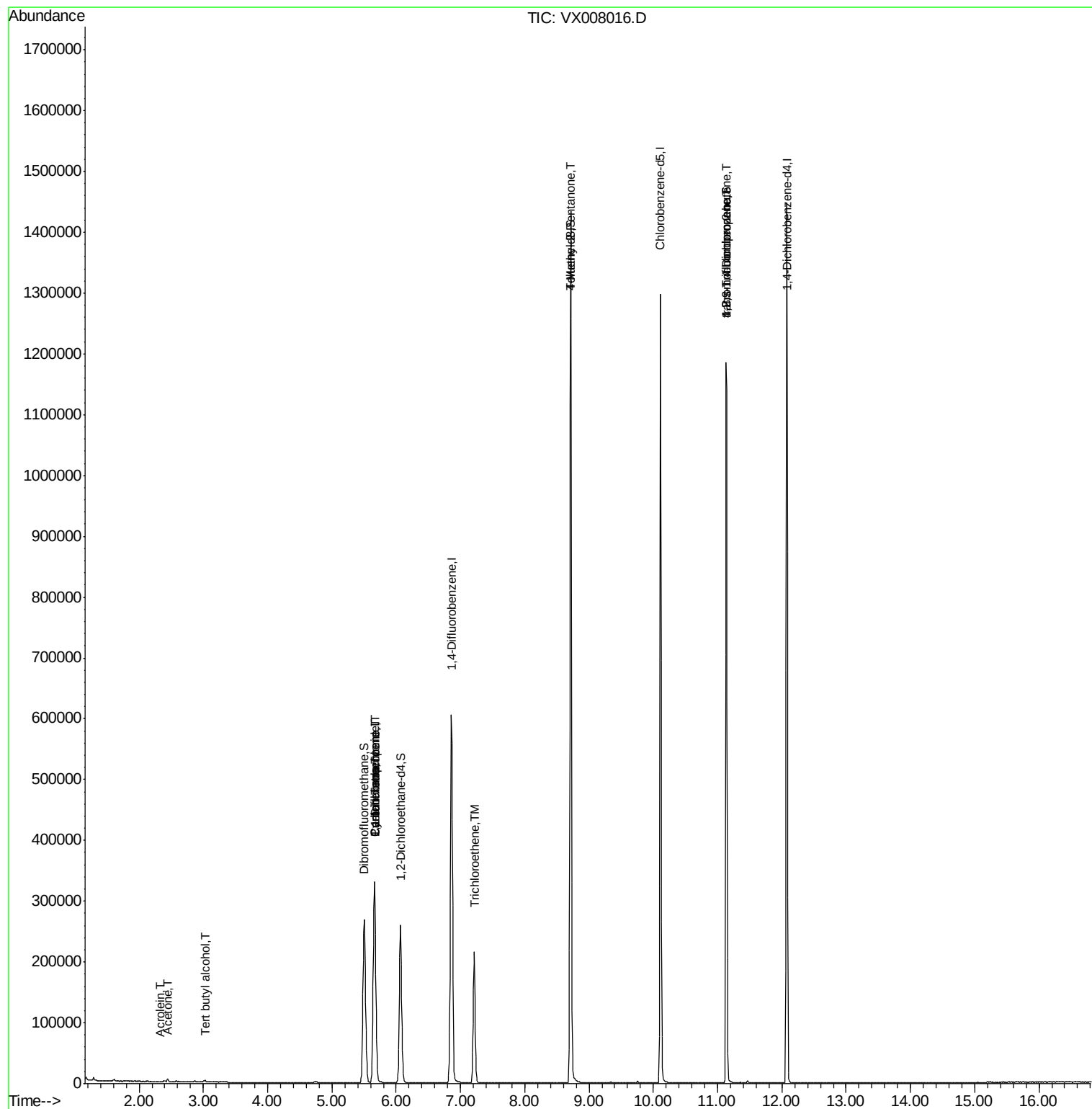
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	271	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	1803	2.168	ug/l #	73
13) Acrolein	2.33	56	43	1.632	ug/l	89
16) Acetone	2.45	43	4806	2.233	ug/l	98
17) Carbon Disulfide	2.57	76	858	Below Cal		98
31) Cyclohexane	5.66	56	5204	0.911	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	21275	3.679	ug/l #	49
38) Carbon Tetrachloride	5.67	117	30418	5.540	ug/l #	16
44) Trichloroethene	7.21	130	88173	18.582	ug/l	100
51) 4-Methyl-2-Pentanone	8.71	43	3499	0.536	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	146277	21.778	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	146277	69.614	ug/l #	11

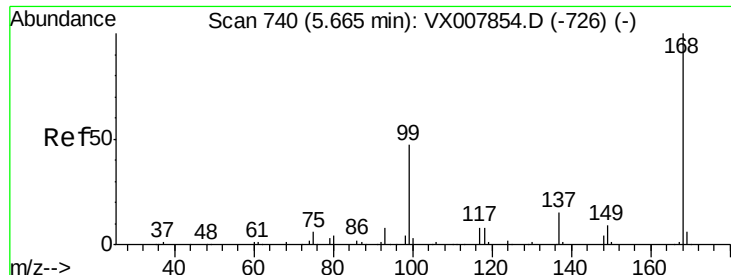
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031219\
Data File : VX008016.D
Acq On : 12 Mar 2019 15:14
Operator : JC/SP
Sample : K1841-01DL 100X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308DL

Quant Time: Mar 13 05:19:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
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: VX008016.D

Acq: 12 Mar 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

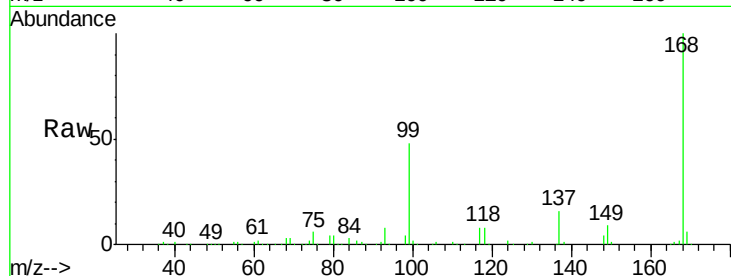
RE122D2-20190308DL

Tot Ion:168 Resp: 352541

Ion Ratio Lower Upper

168 100

99 47.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

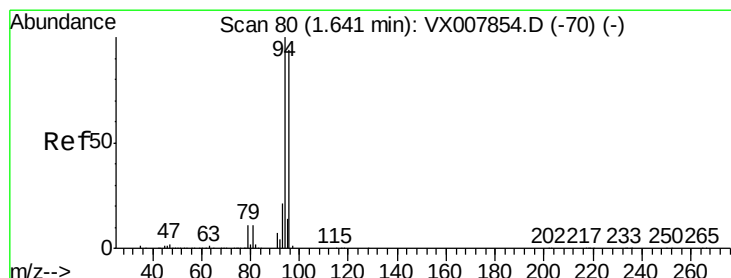
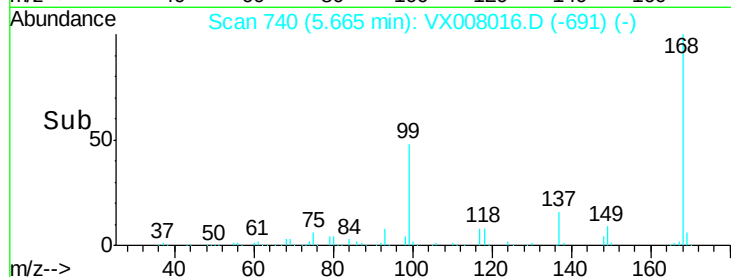
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008016.D

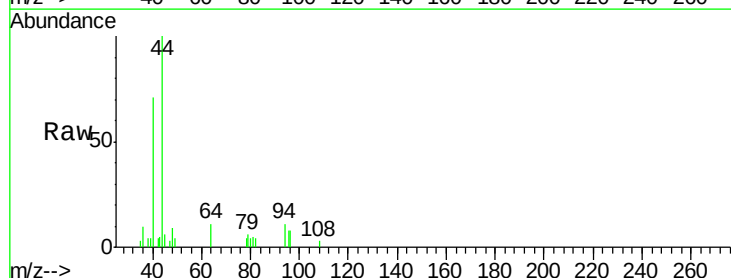
Acq: 12 Mar 2019 15:14

Tgt Ion: 94 Resp: 271

Ion Ratio Lower Upper

94 100

96 150.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

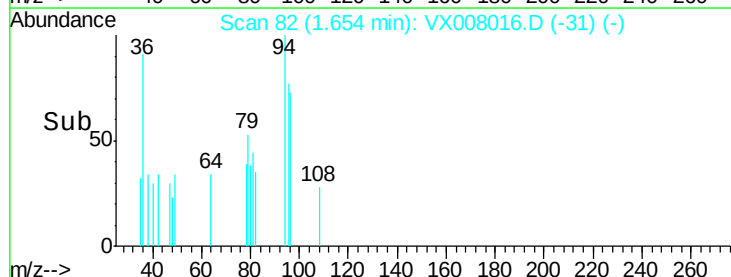
150

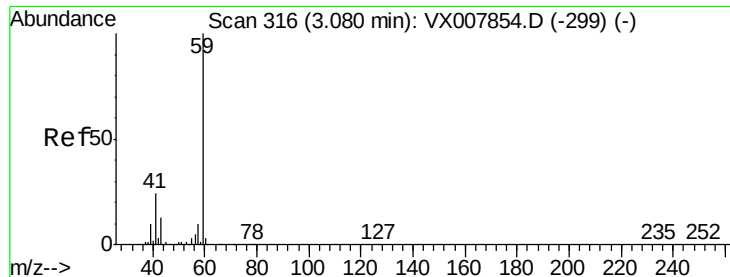
100

50

0

Time--> 1.65 1.70

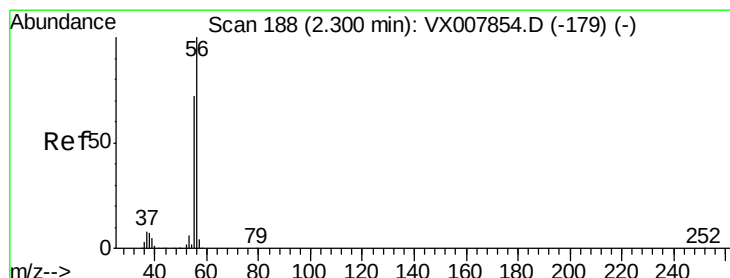
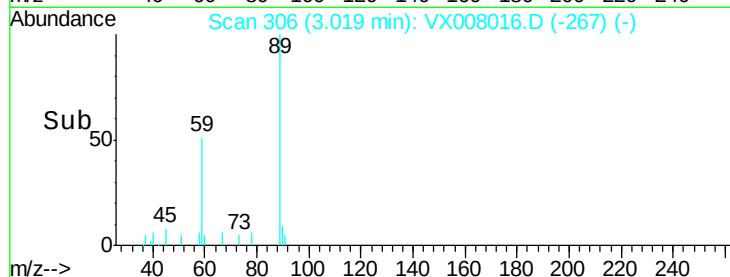
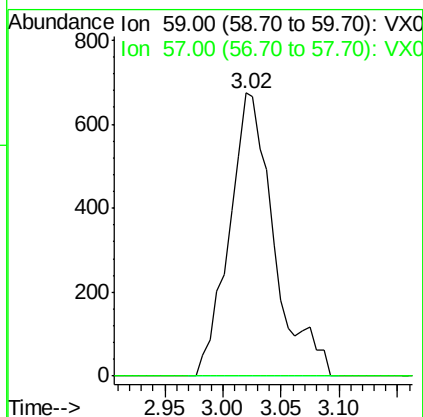
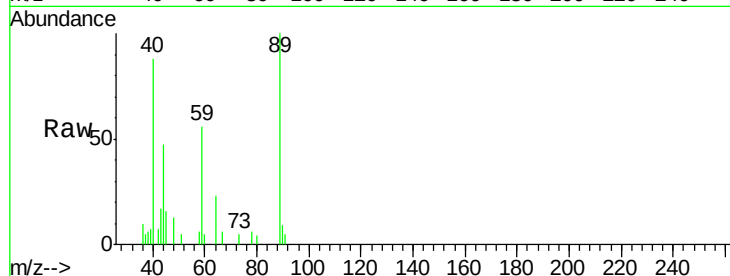




#11
Tert butyl alcohol
Concen: 2.168 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX008016.D
Acq: 12 Mar 2019 15:14

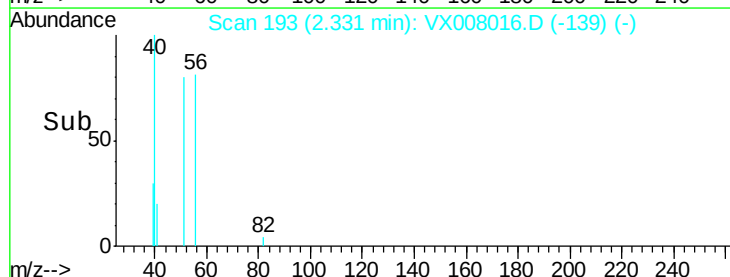
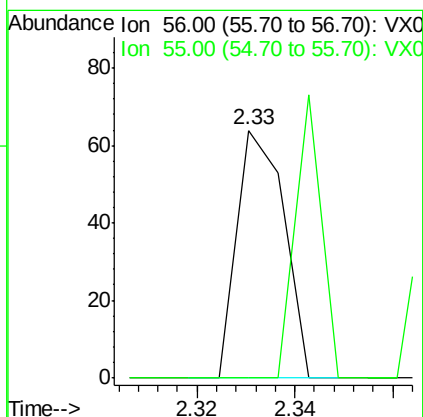
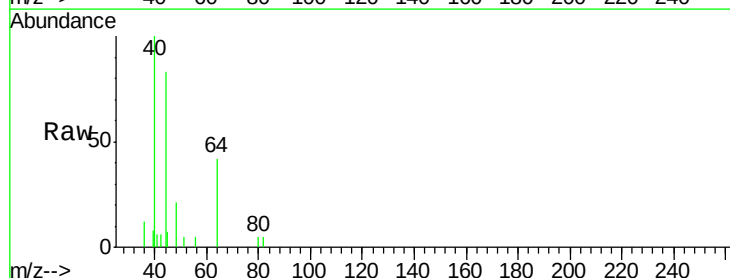
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308DL

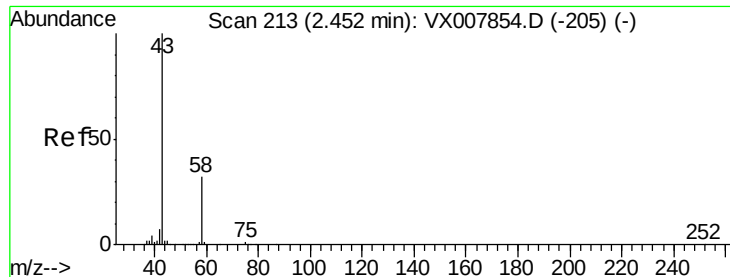
Tot Ion: 59 Resp: 1803
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 1.632 ug/l
RT: 2.33 min Scan# 193
Delta R.T. 0.03 min
Lab File: VX008016.D
Acq: 12 Mar 2019 15:14

Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 62.8 57.8 86.6





#16

Acetone

Concen: 2.233 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008016.D

Acq: 12 Mar 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

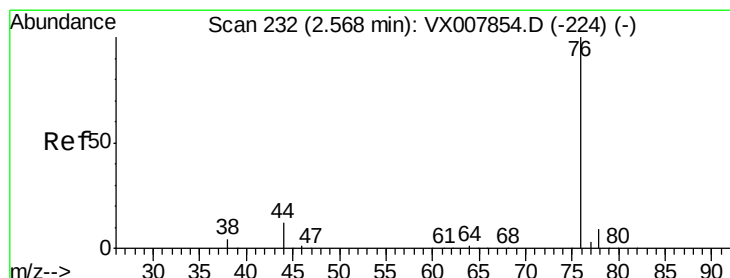
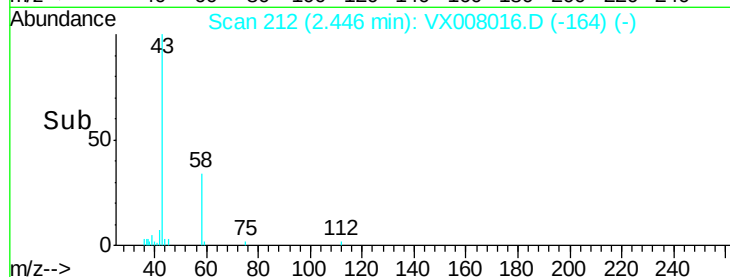
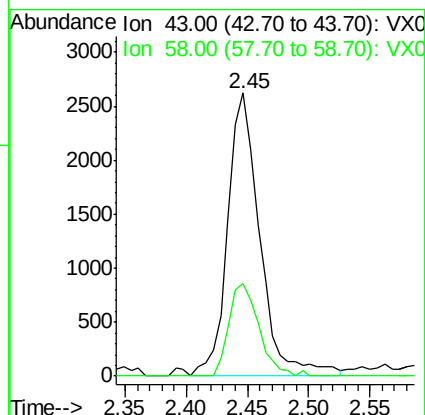
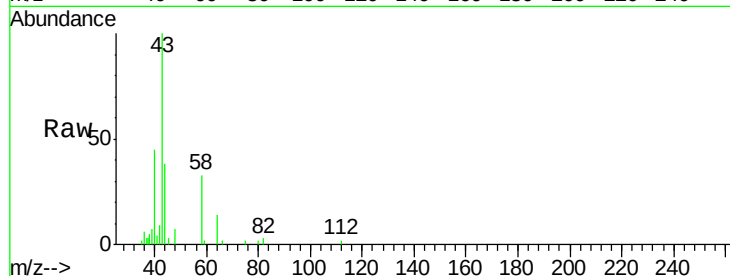
RE122D2-20190308DL

Tot Ion: 43 Resp: 4806

Ion Ratio Lower Upper

43 100

58 32.9 25.5 38.3



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008016.D

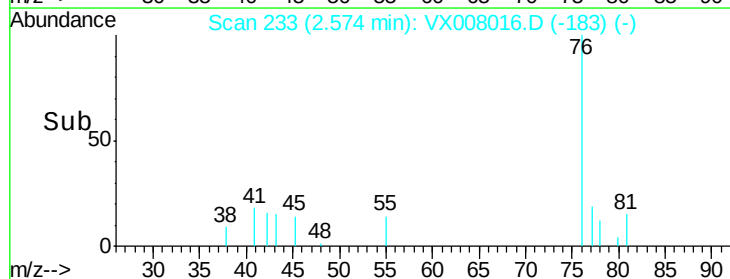
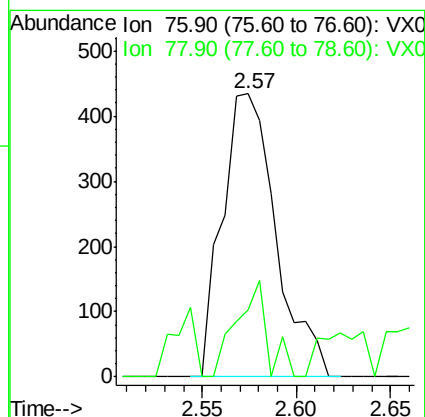
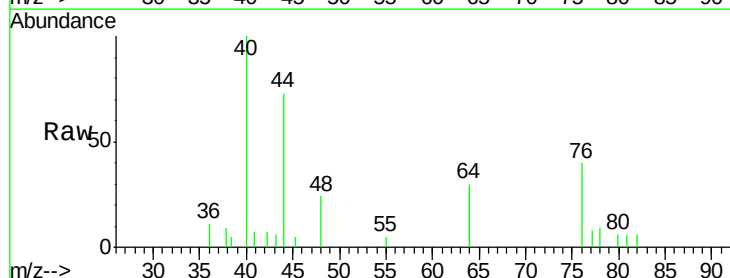
Acq: 12 Mar 2019 15:14

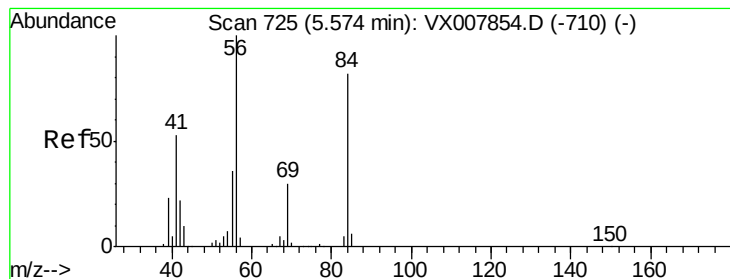
Tgt Ion: 76 Resp: 858

Ion Ratio Lower Upper

76 100

78 8.3 7.2 10.8





#31

Cyclohexane

Concen: 0.911 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX008016.D

Acq: 12 Mar 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308DL

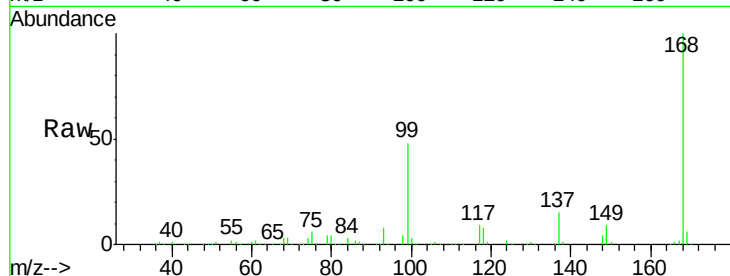
Tot Ion: 56 Resp: 5204

Ion Ratio Lower Upper

56 100

69 195.1 24.0 36.0#

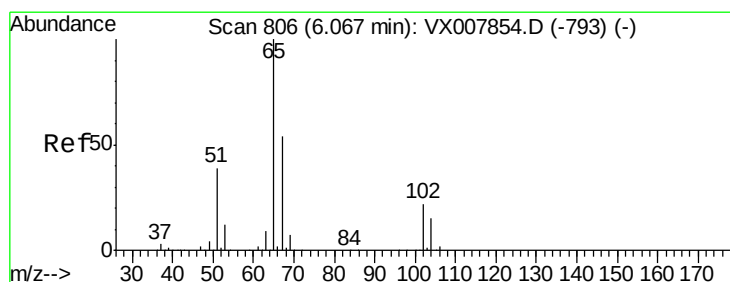
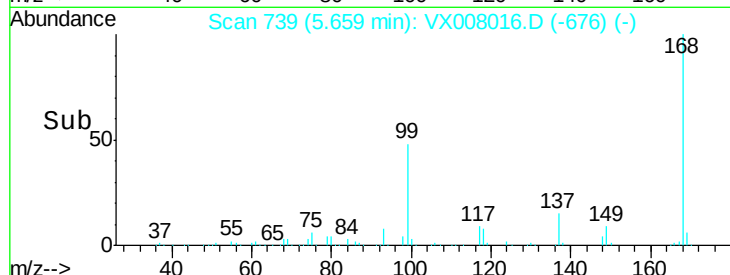
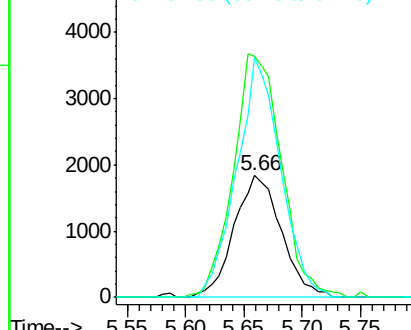
84 197.3 65.3 97.9#



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: 64.118 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008016.D

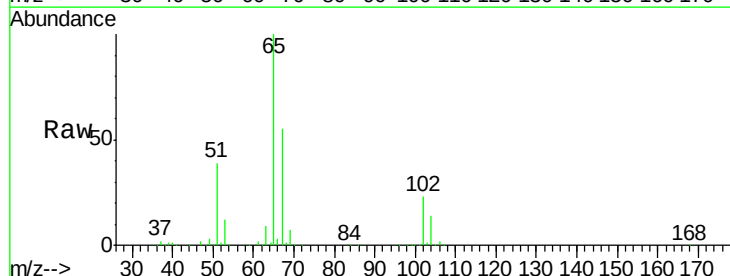
Acq: 12 Mar 2019 15:14

Tgt Ion: 65 Resp: 238452

Ion Ratio Lower Upper

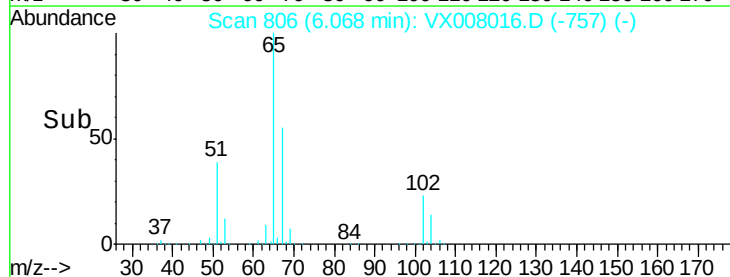
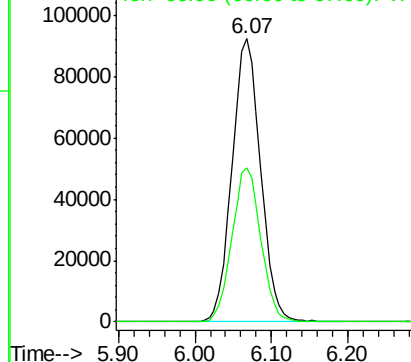
65 100

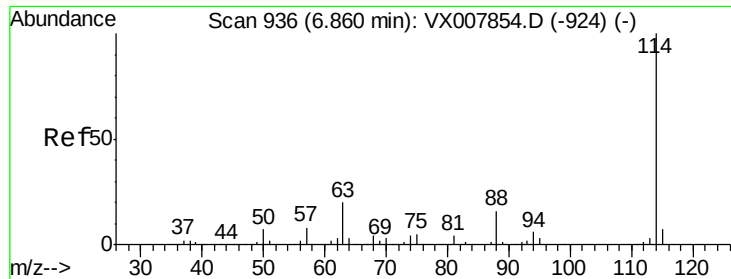
67 55.0 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

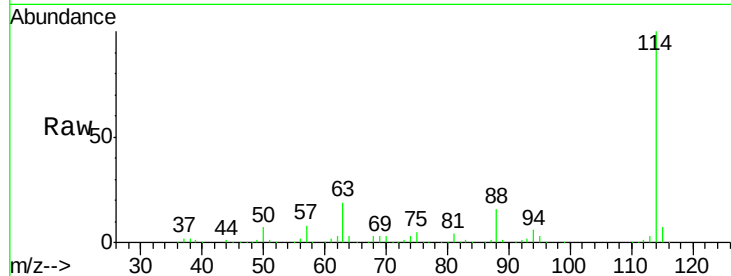




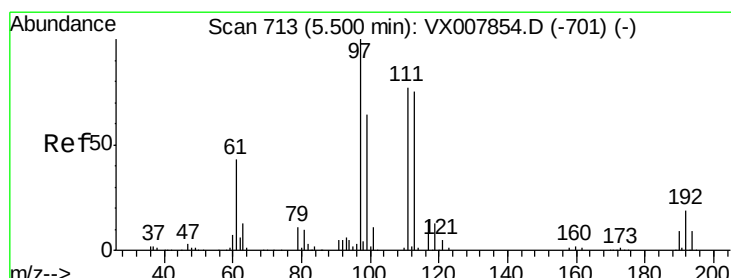
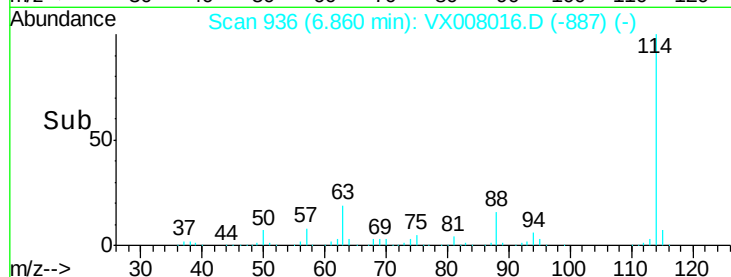
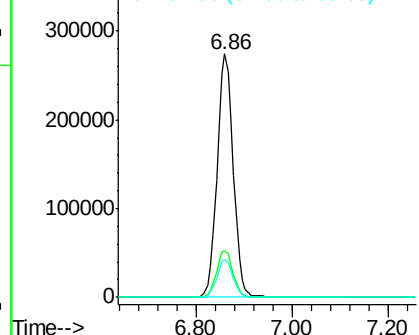
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008016.D
 Acq: 12 Mar 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308DL

Tot Ion:114 Resp: 638735
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.8
 88 15.6 0.0 31.4

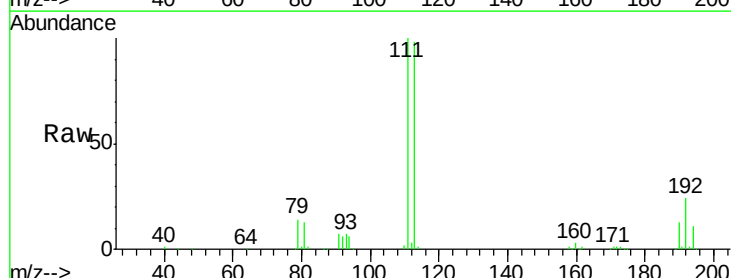


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

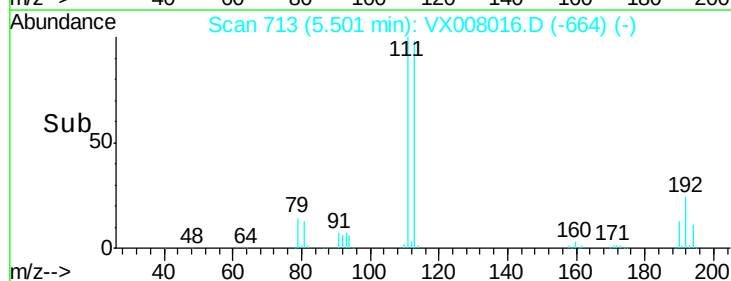
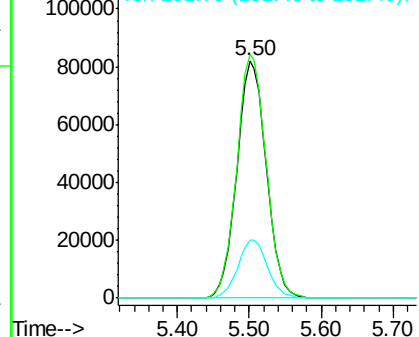


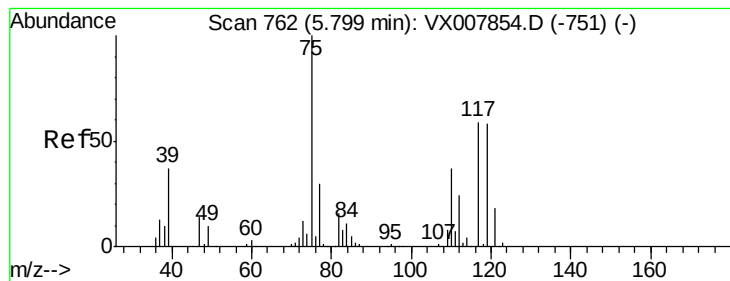
#35
 Dibromofluoromethane
 Concen: 56.940 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008016.D
 Acq: 12 Mar 2019 15:14

Tgt Ion:113 Resp: 232646
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.0
 192 24.7 19.4 29.0



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: 3.679 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008016.D

Acq: 12 Mar 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308DL

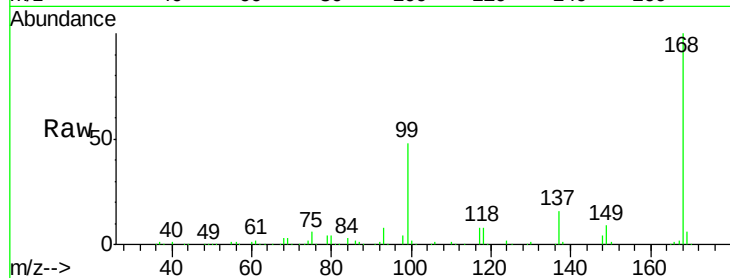
Tot Ion: 75 Resp: 21275

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.0#

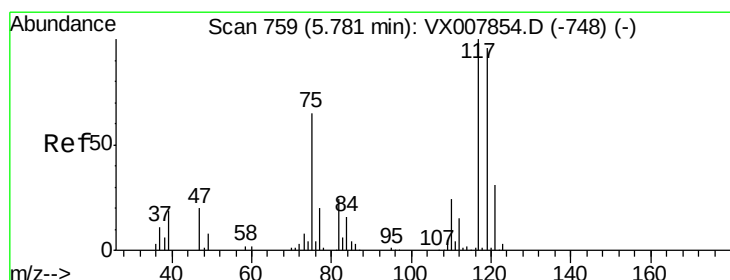
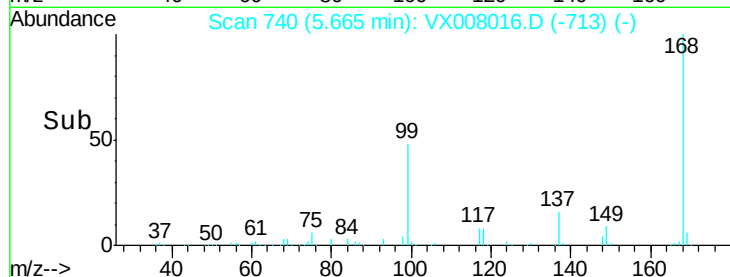
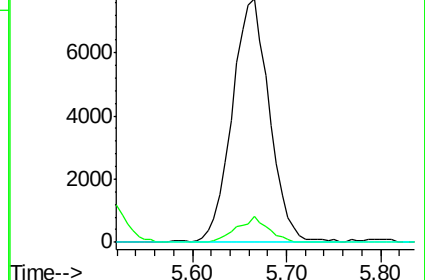
77 0.0 25.0 37.4#



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: 5.540 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008016.D

Acq: 12 Mar 2019 15:14

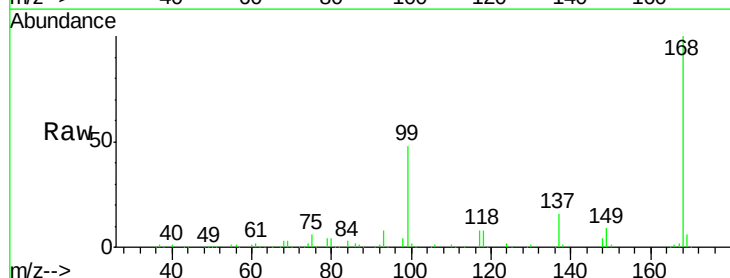
Tgt Ion: 117 Resp: 30418

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

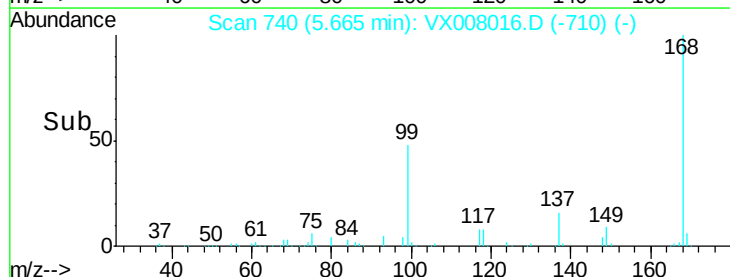
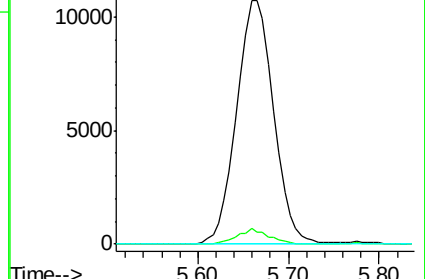
121 0.0 24.6 36.8#

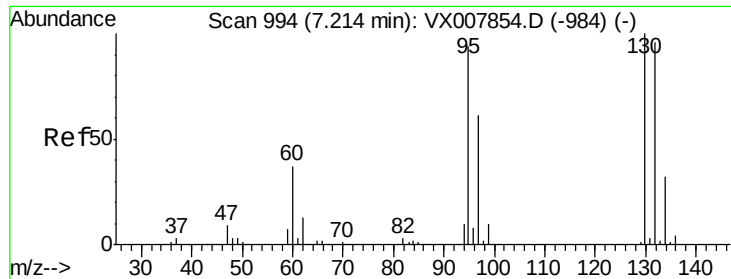


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 18.582 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008016.D

Acq: 12 Mar 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

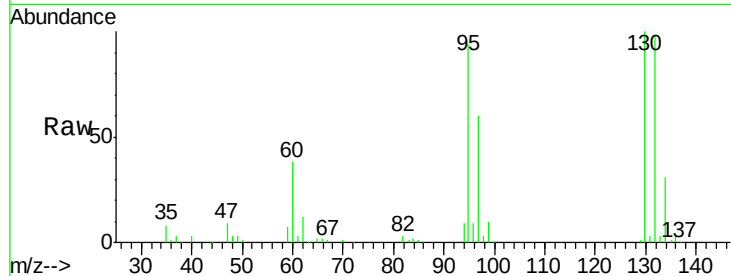
RE122D2-20190308DL

Tot Ion:130 Resp: 88173

Ion Ratio Lower Upper

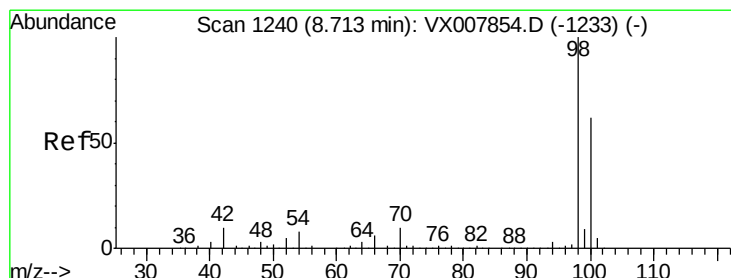
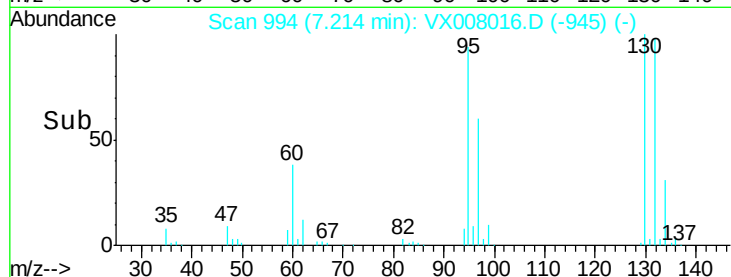
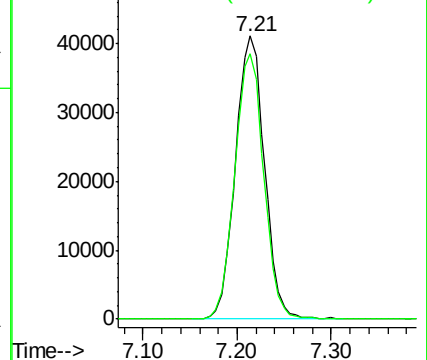
130 100

95 93.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 57.193 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008016.D

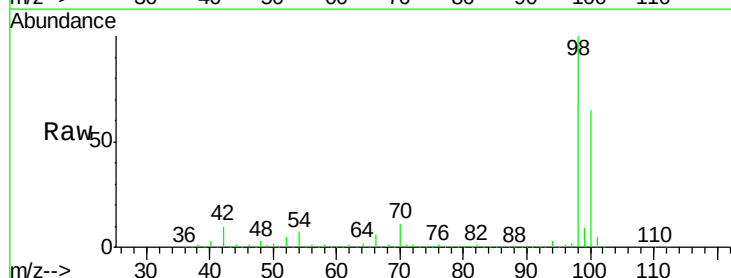
Acq: 12 Mar 2019 15:14

Tgt Ion: 98 Resp: 858191

Ion Ratio Lower Upper

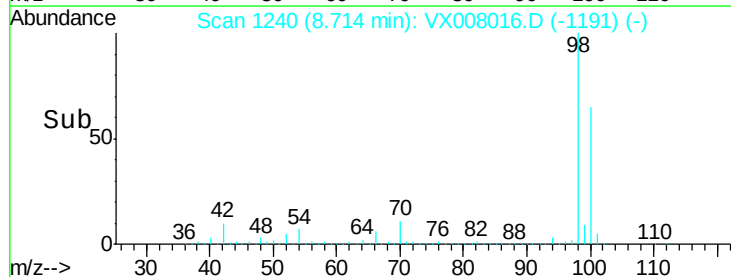
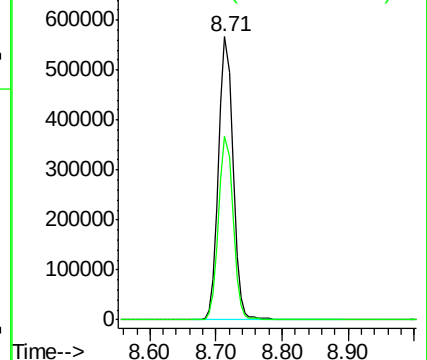
98 100

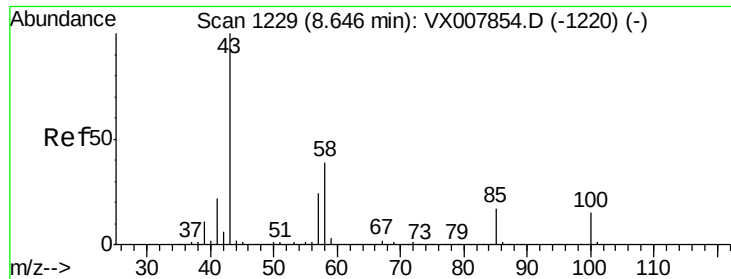
100 65.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.536 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX008016.D

Acq: 12 Mar 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

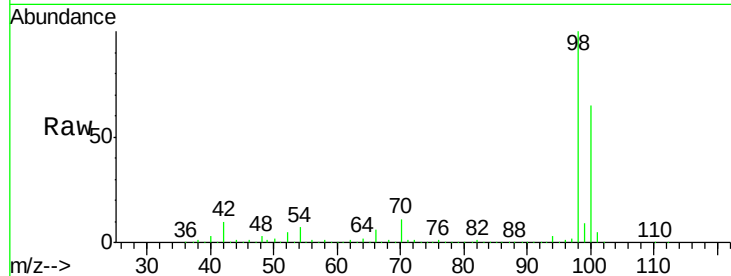
RE122D2-20190308DL

Tot Ion: 43 Resp: 3499

Ion Ratio Lower Upper

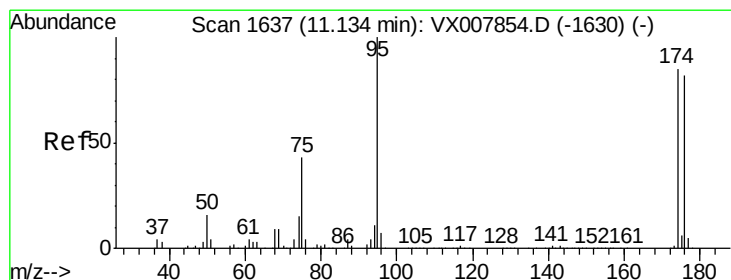
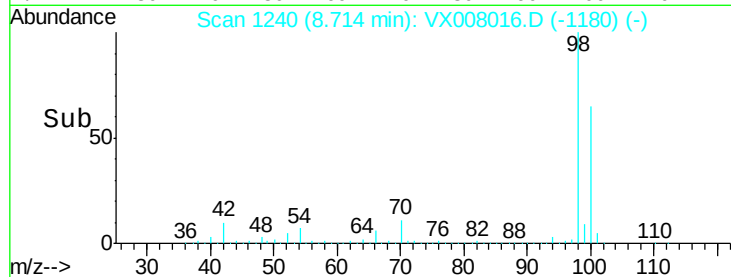
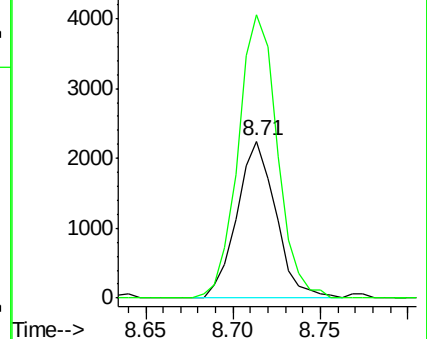
43 100

58 181.0 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 61.054 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008016.D

Acq: 12 Mar 2019 15:14

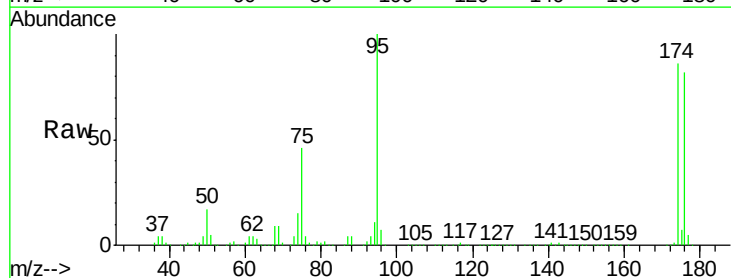
Tgt Ion: 95 Resp: 321197

Ion Ratio Lower Upper

95 100

174 92.6 0.0 182.8

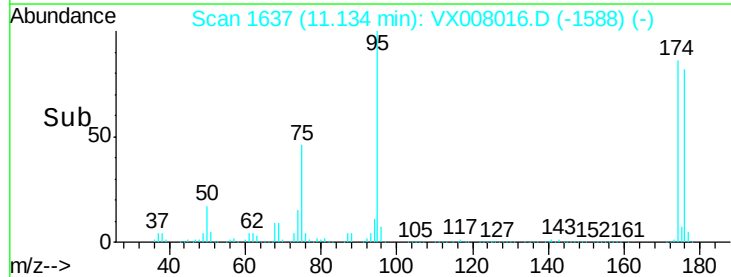
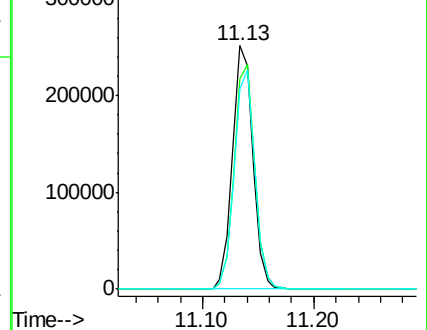
176 89.8 0.0 178.0

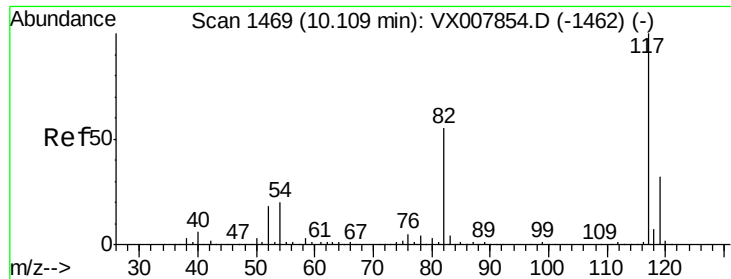


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

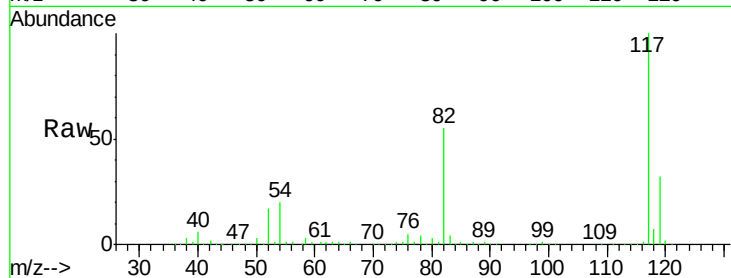




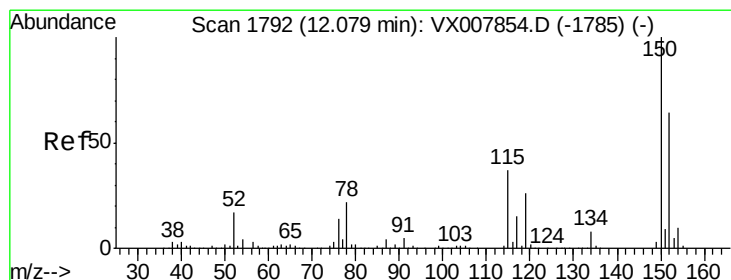
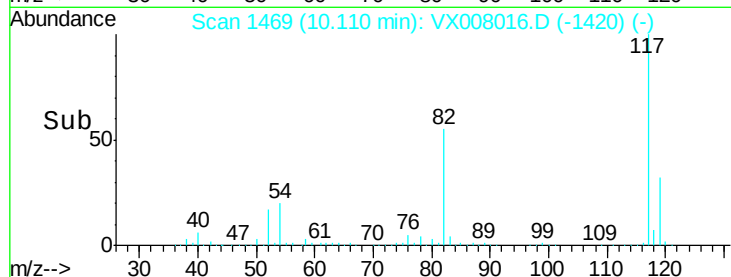
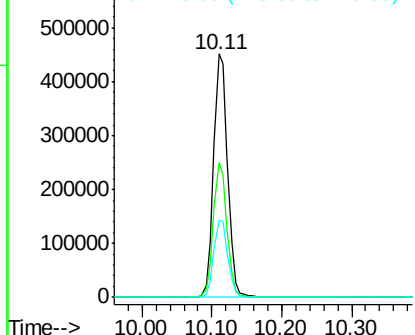
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008016.D
Acq: 12 Mar 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308DL

Tot Ion:117 Resp: 628015
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 32.0 25.3 37.9

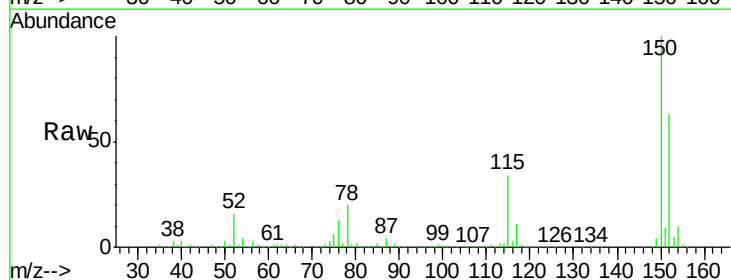


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

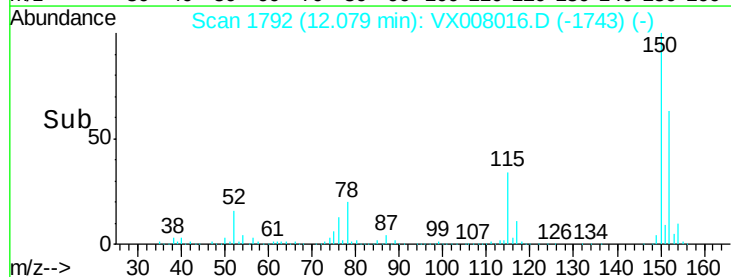
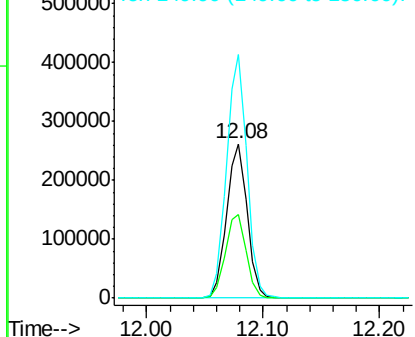


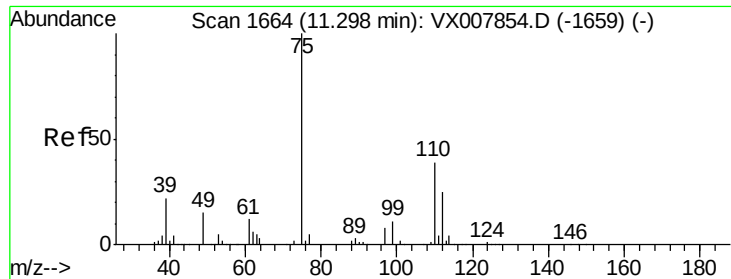
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008016.D
Acq: 12 Mar 2019 15:14

Tgt Ion:152 Resp: 320084
Ion Ratio Lower Upper
152 100
115 54.9 38.6 115.7
150 156.6 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: 21.778 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008016.D

Acq: 12 Mar 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

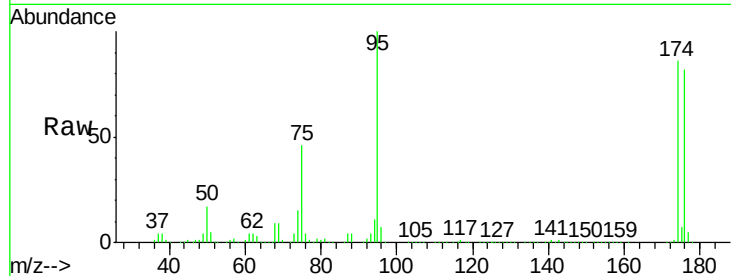
RE122D2-20190308DL

Tot Ion: 75 Resp: 146277

Ion Ratio Lower Upper

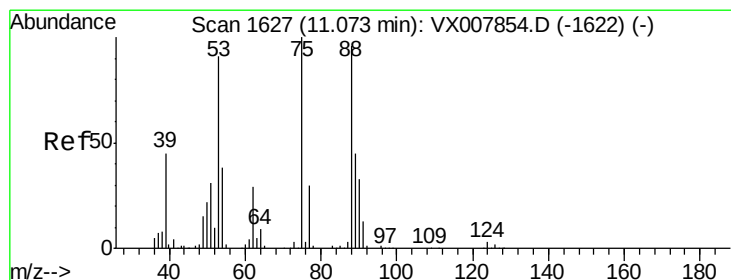
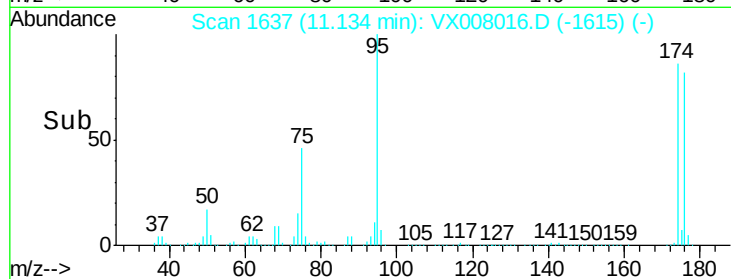
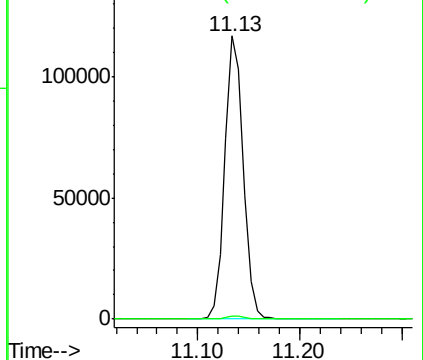
75 100

77 1.2 18.9 56.7#



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: 69.614 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008016.D

Acq: 12 Mar 2019 15:14

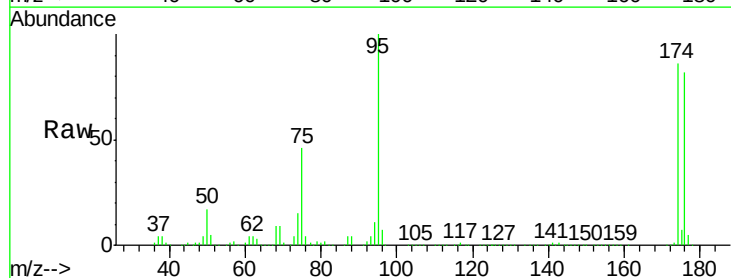
Tgt Ion: 75 Resp: 146277

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

