

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX007981.D
 Acq On : 11 Mar 2019 20:17
 Operator : JC/SP
 Sample : K1841-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20190308

Quant Time: Mar 12 08:41:29 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

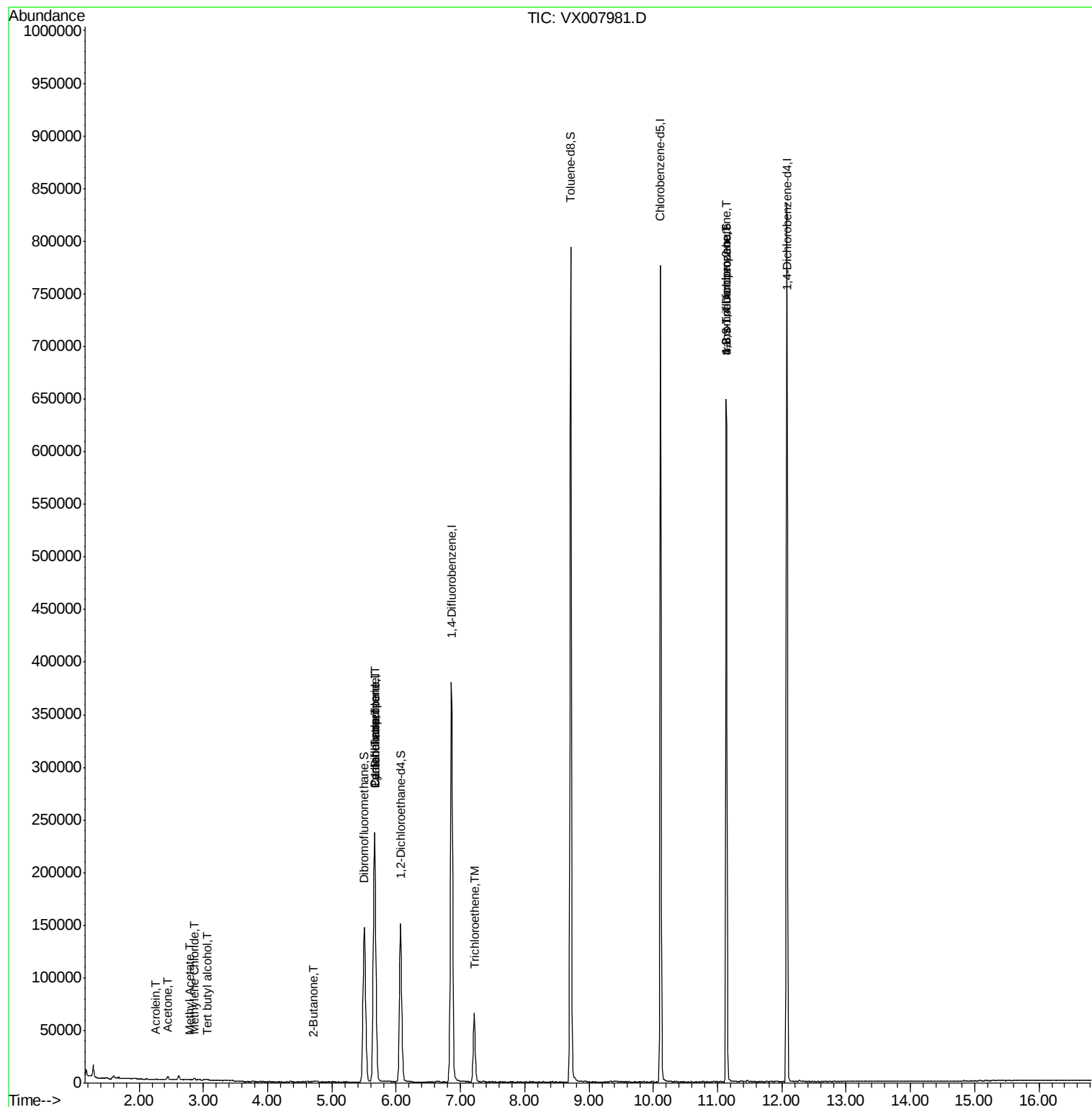
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	396968	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	377560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182057	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	137679	51.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.32%	
35) Dibromofluoromethane	5.50	113	127762	50.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.62%	
50) Toluene-d8	8.71	98	478162	51.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	11.13	95	175803	53.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.54%	
Target Compounds						
				Qvalue		
5) Bromomethane	1.65	94	139	Below Cal	#	61
11) Tert butyl alcohol	3.06	59	126	0.211	ug/l #	85
13) Acrolein	2.26	56	19	1.597	ug/l #	13
16) Acetone	2.45	43	3314	2.148	ug/l	89
17) Carbon Disulfide	2.57	76	637	Below Cal	#	82
18) Methyl Acetate	2.78	43	933	0.285	ug/l #	76
20) Methylene Chloride	2.86	84	534	0.218	ug/l	92
25) 2-Butanone	4.70	43	490	0.224	ug/l #	50
31) Cyclohexane	5.66	56	3927	0.959	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15267	4.247	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21094	6.181	ug/l #	17
44) Trichloroethene	7.21	130	27462	9.312	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	79739	20.872	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	79739	66.718	ug/l #	11

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031119\
Data File : VX007981.D
Acq On : 11 Mar 2019 20:17
Operator : JC/SP
Sample : K1841-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20190308

Quant Time: Mar 12 08:41:29 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: VX007981.D

Acq: 11 Mar 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

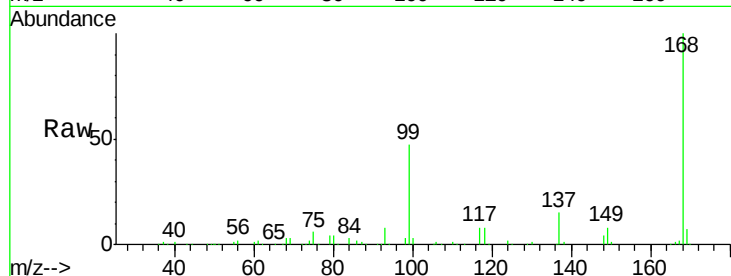
RE122D3-20190308

Tot Ion:168 Resp: 252626

Ion Ratio Lower Upper

168 100

99 47.2 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

100000

80000

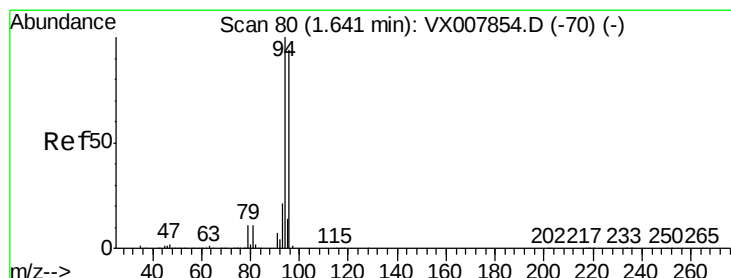
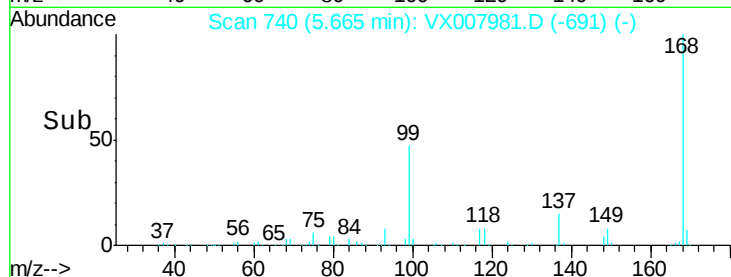
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007981.D

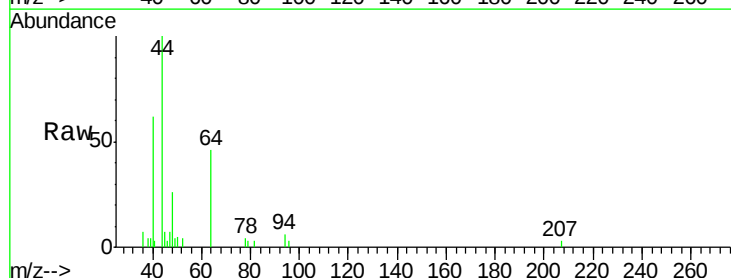
Acq: 11 Mar 2019 20:17

Tgt Ion: 94 Resp: 139

Ion Ratio Lower Upper

94 100

96 56.6 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

120

100

80

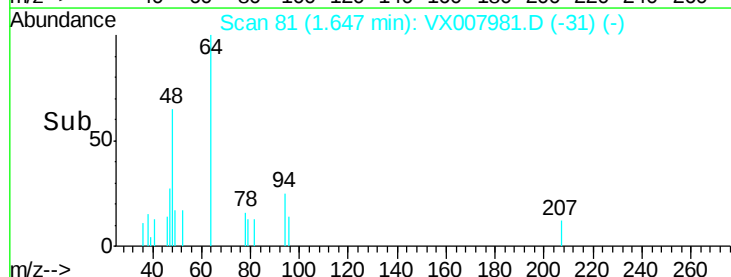
60

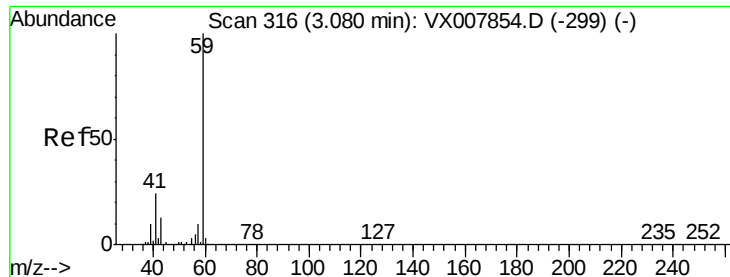
40

20

0

Time--> 1.62 1.64 1.66 1.68

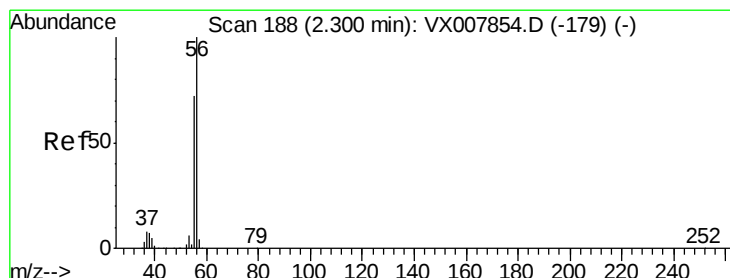
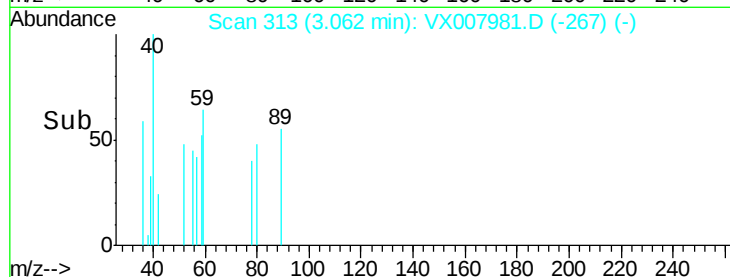
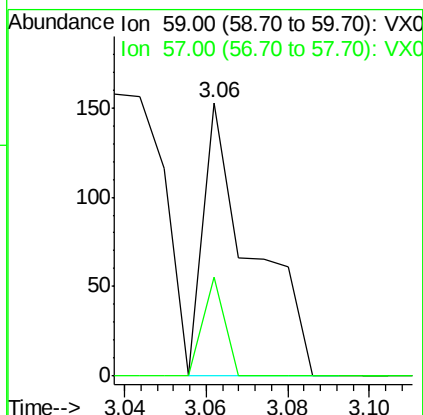
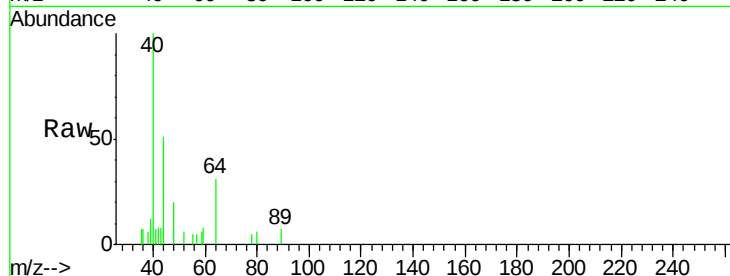




#11
Tert butvl alcohol
Concen: 0.211 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX007981.D
Acq: 11 Mar 2019 20:17

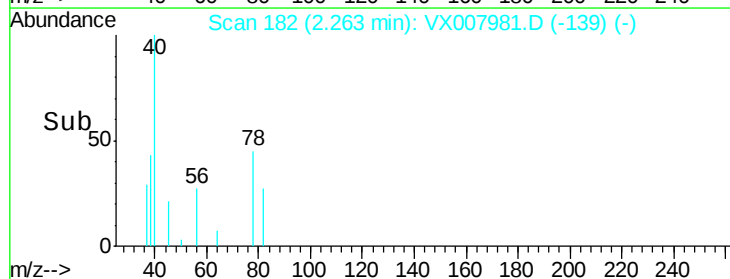
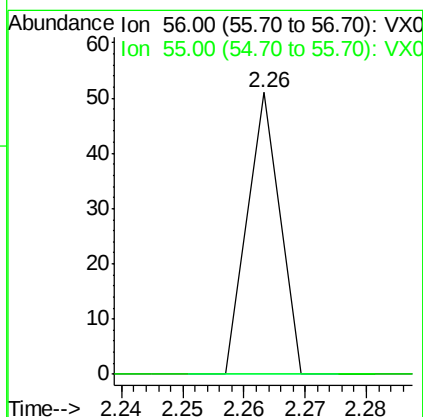
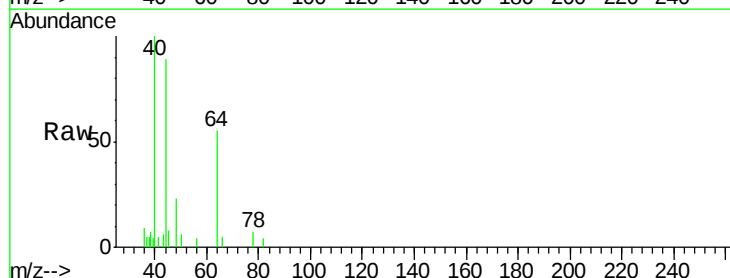
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20190308

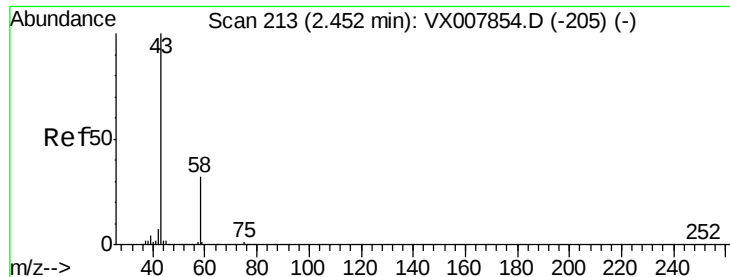
Tot Ion: 59.00 Resp: 126
Ion Ratio Lower Upper
59 100
57 15.9 8.2 12.2#



#13
Acrolein
Concen: 1.597 ug/l
RT: 2.26 min Scan# 182
Delta R.T. -0.04 min
Lab File: VX007981.D
Acq: 11 Mar 2019 20:17

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 57.8 86.6#





#16

Acetone

Concen: 2.148 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007981.D

Acq: 11 Mar 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

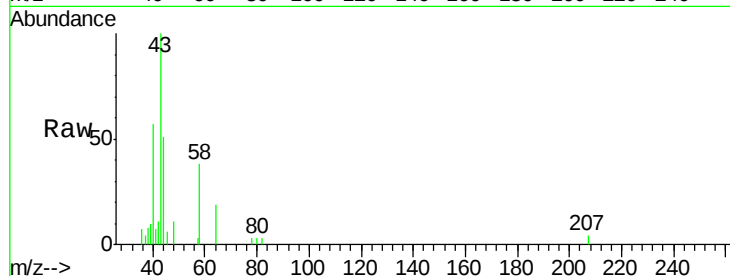
RE122D3-20190308

Tot Ion: 43 Resp: 3314

Ion Ratio Lower Upper

43 100

58 38.0 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

1500

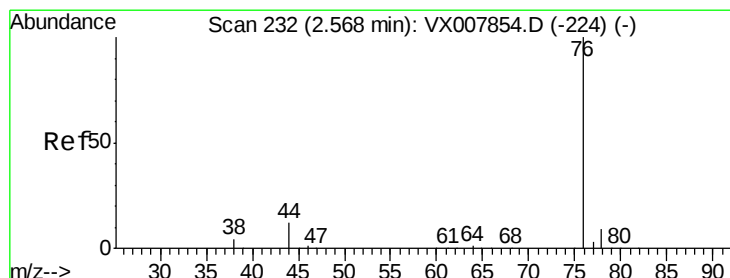
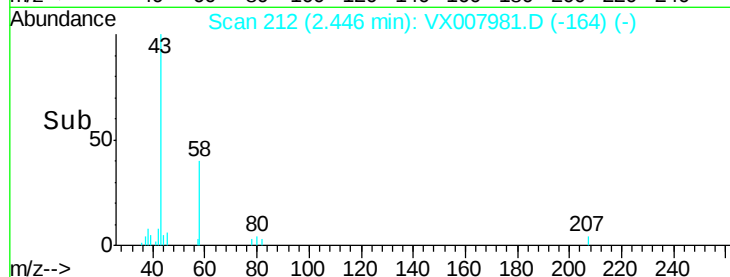
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007981.D

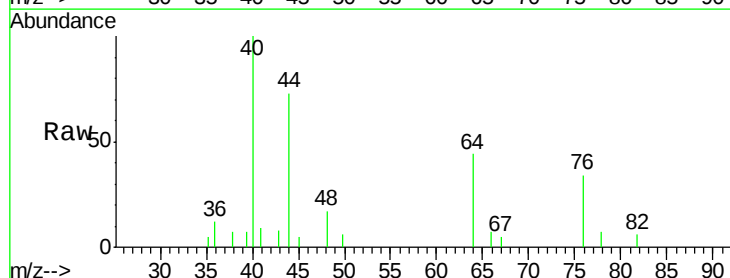
Acq: 11 Mar 2019 20:17

Tgt Ion: 76 Resp: 637

Ion Ratio Lower Upper

76 100

78 2.5 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

400

300

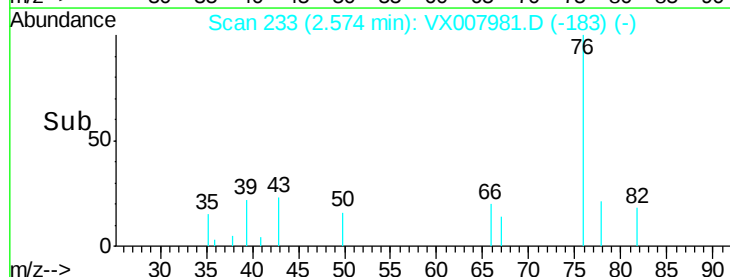
200

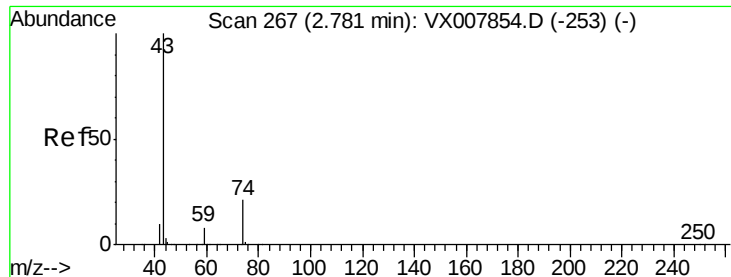
100

0

2.55 2.60

Time-->

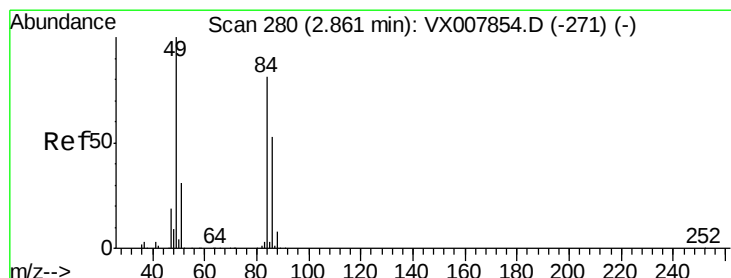
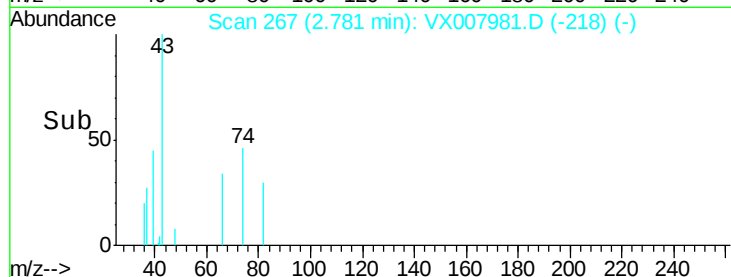
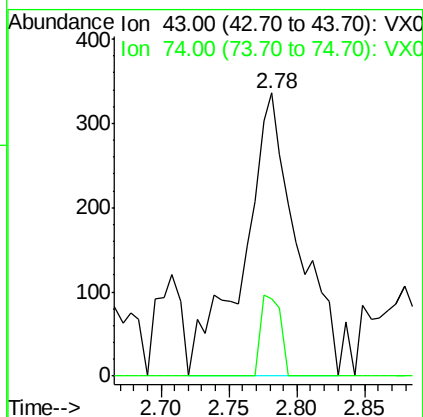
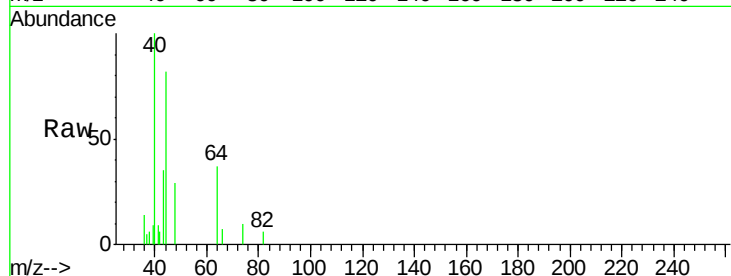




#18
Methyl Acetate
Concen: 0.285 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007981.D
Acq: 11 Mar 2019 20:17

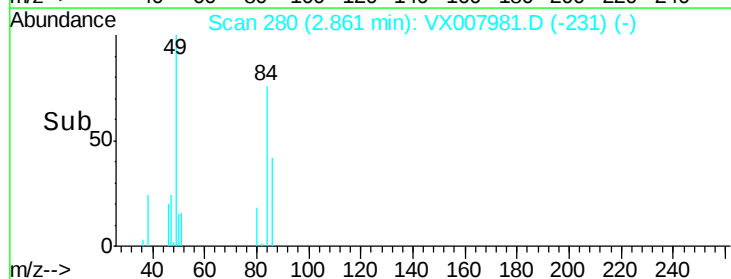
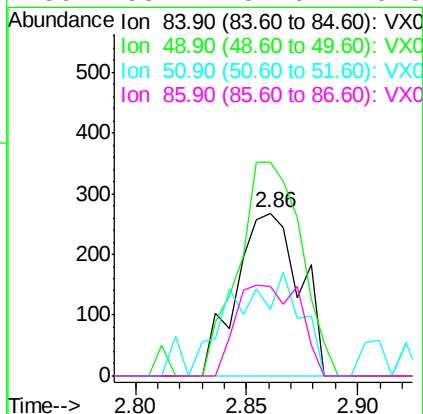
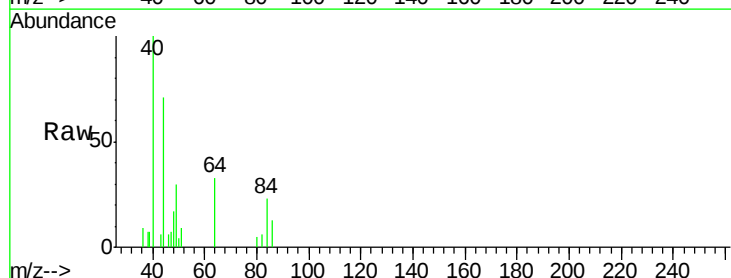
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20190308

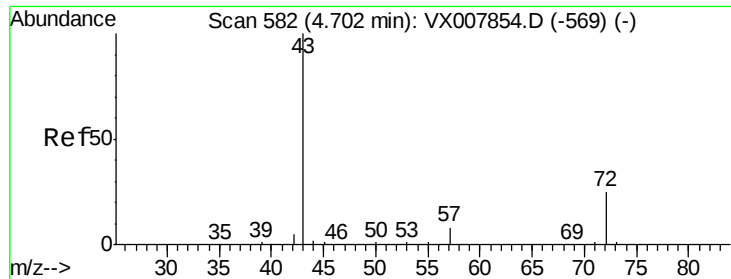
Tot Ion: 43 Resp: 933
Ion Ratio Lower Upper
43 100
74 10.6 17.8 26.6#



#20
Methylene Chloride
Concen: 0.218 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007981.D
Acq: 11 Mar 2019 20:17

Tgt Ion: 84 Resp: 534
Ion Ratio Lower Upper
84 100
49 131.3 99.3 148.9
51 40.7 31.3 46.9
86 55.2 52.6 79.0





#25

2-Butanone

Concen: 0.224 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007981.D

Acq: 11 Mar 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

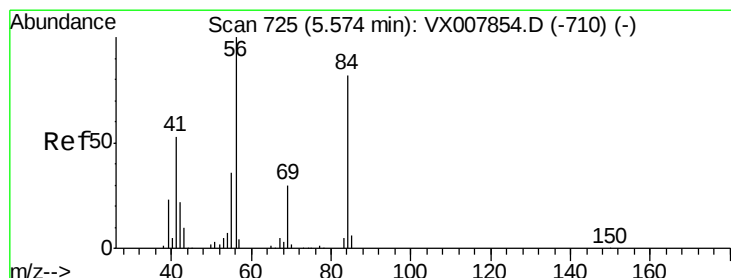
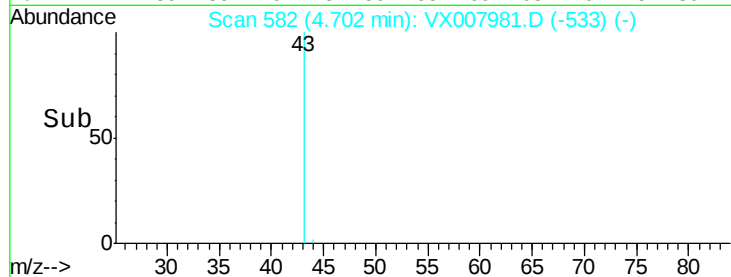
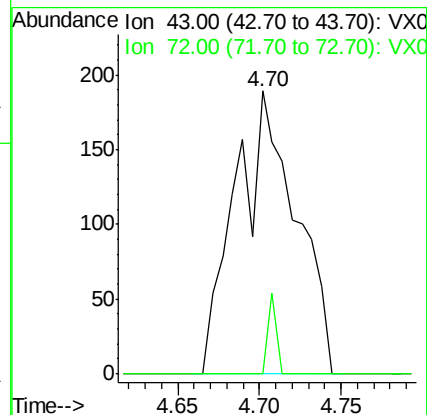
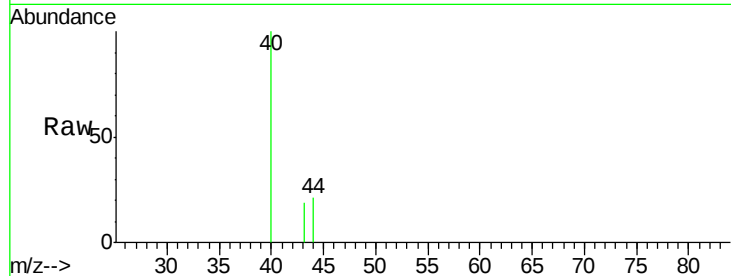
RE122D3-20190308

Tot Ion: 43 Resp: 490

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#31

Cyclohexane

Concen: 0.959 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX007981.D

Acq: 11 Mar 2019 20:17

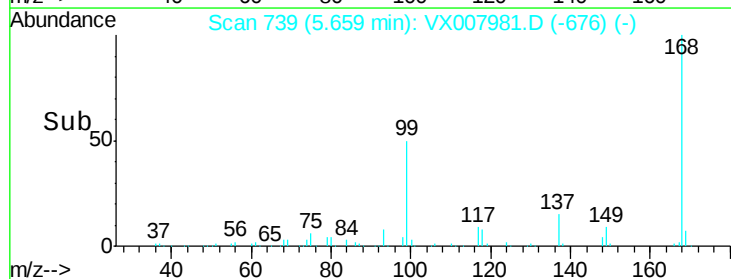
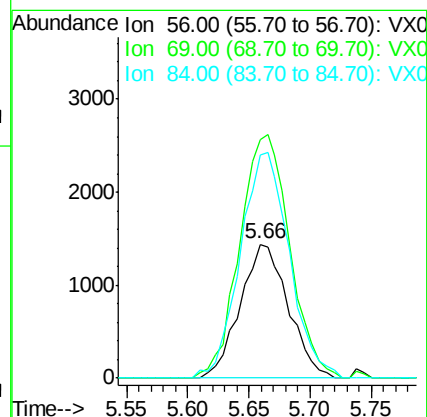
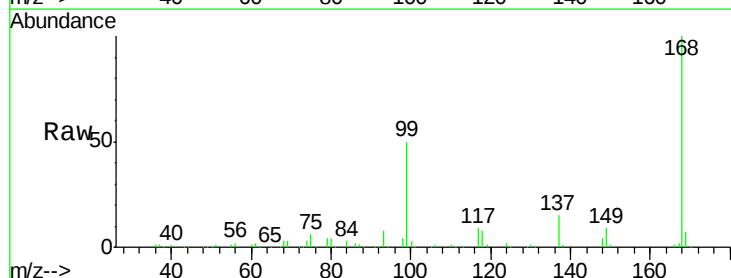
Tgt Ion: 56 Resp: 3927

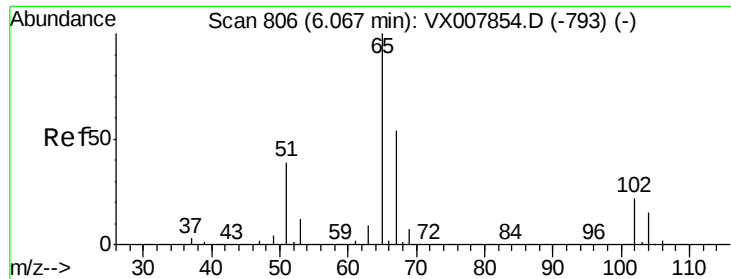
Ion Ratio Lower Upper

56 100

69 178.3 24.0 36.0#

84 166.5 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 51.663 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007981.D

Acq: 11 Mar 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

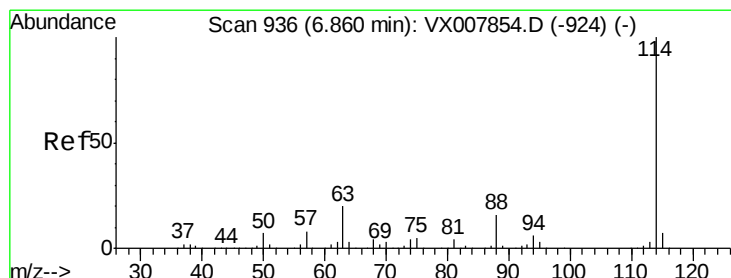
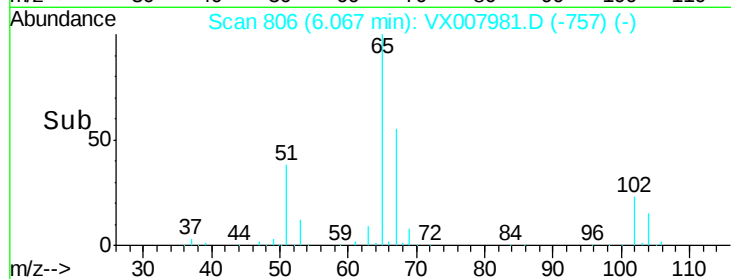
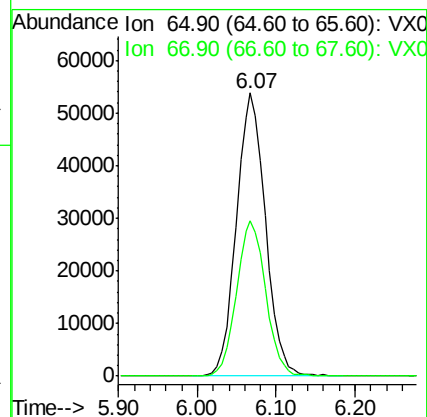
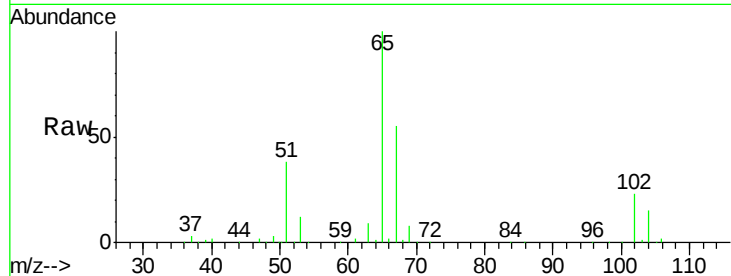
RE122D3-20190308

Tot Ion: 65 Resp: 137679

Ion Ratio Lower Upper

65 100

67 54.9 0.0 110.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007981.D

Acq: 11 Mar 2019 20:17

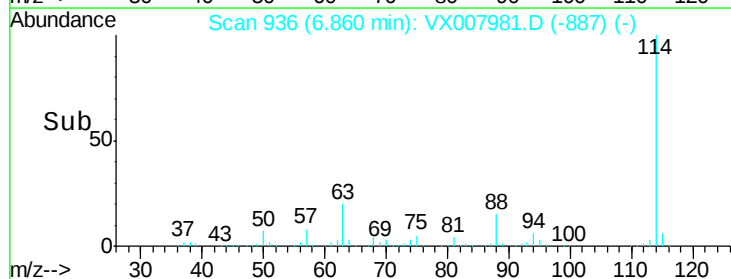
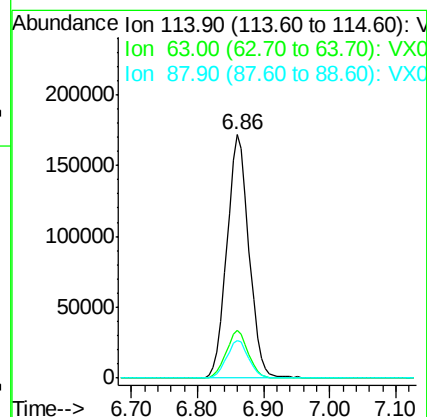
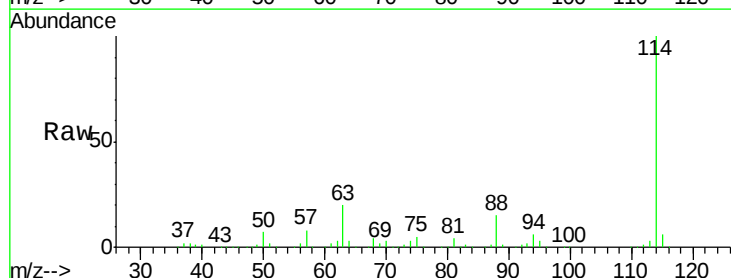
Tgt Ion: 114 Resp: 396968

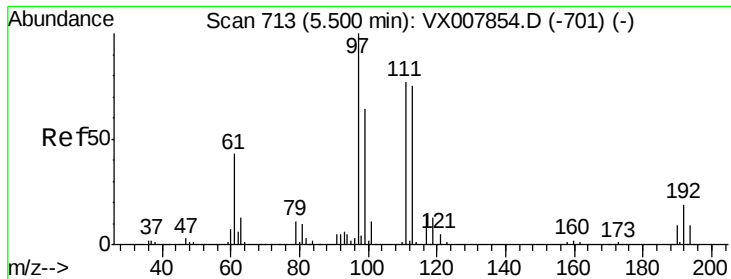
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

88 15.3 0.0 31.4

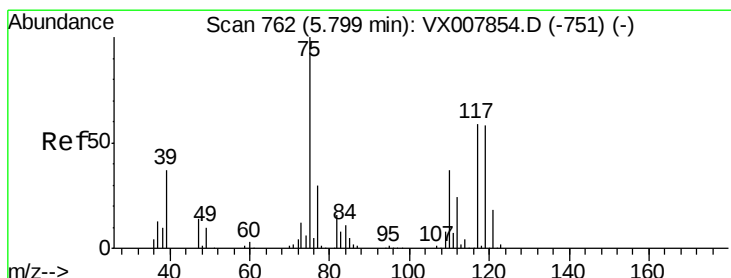
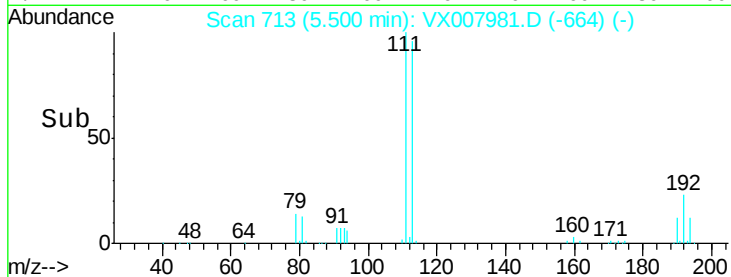
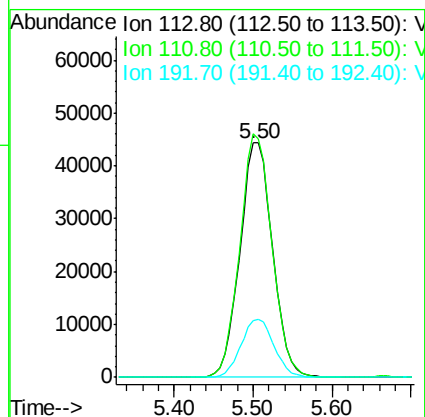
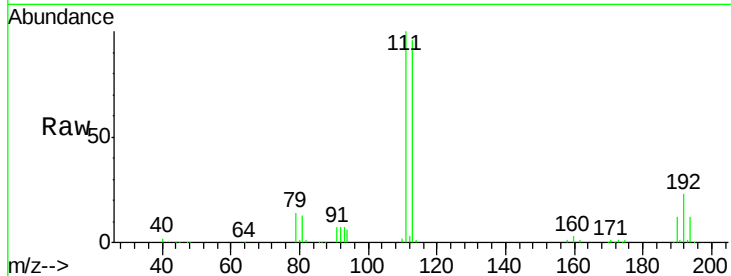




#35
 Dibromofluoromethane
 Concen: 50.314 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX007981.D
 Acq: 11 Mar 2019 20:17

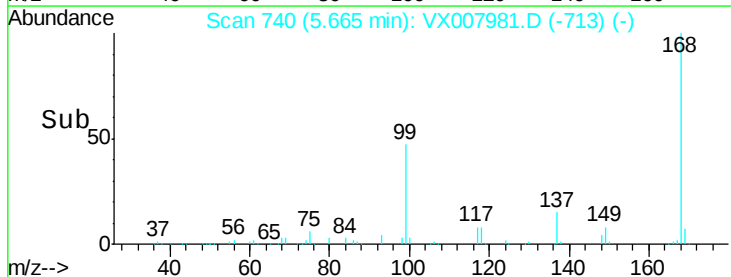
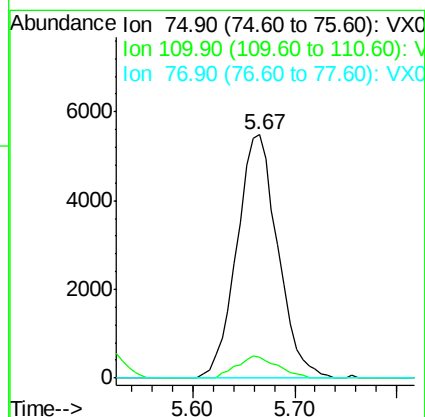
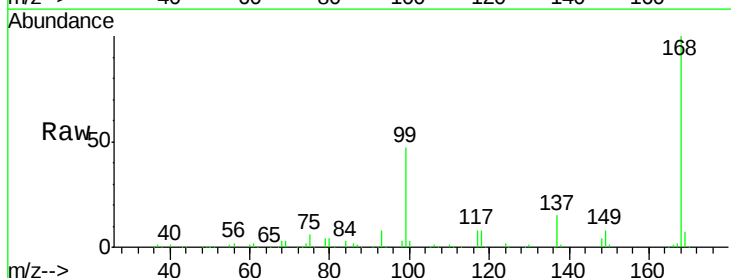
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20190308

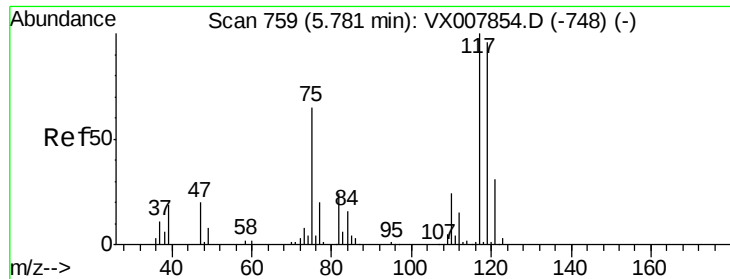
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	25.0	19.4	29.0



#36
 1,1-Dichloropropene
 Concen: 4.247 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007981.D
 Acq: 11 Mar 2019 20:17

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

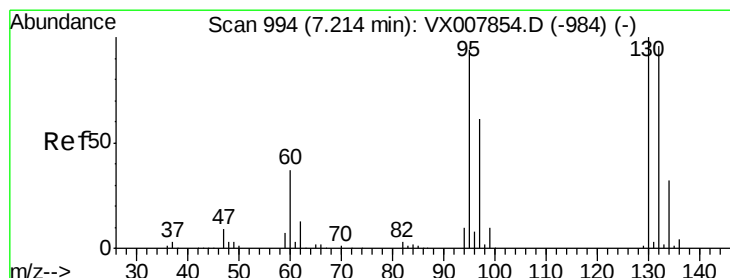
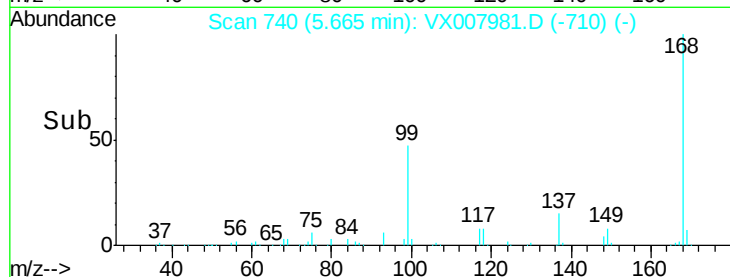
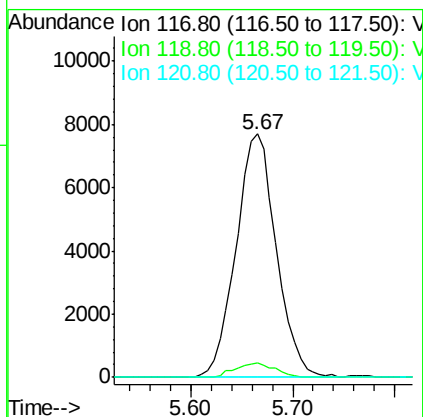
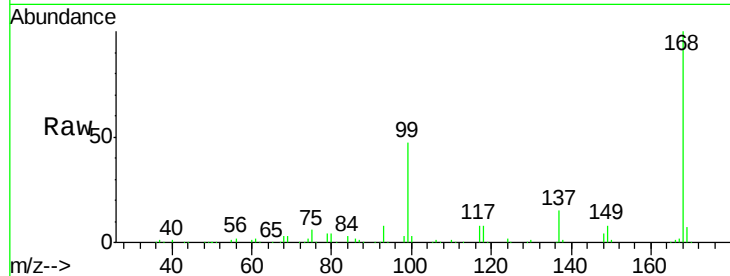




#38
Carbon Tetrachloride
Concen: 6.181 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX007981.D
Acq: 11 Mar 2019 20:17

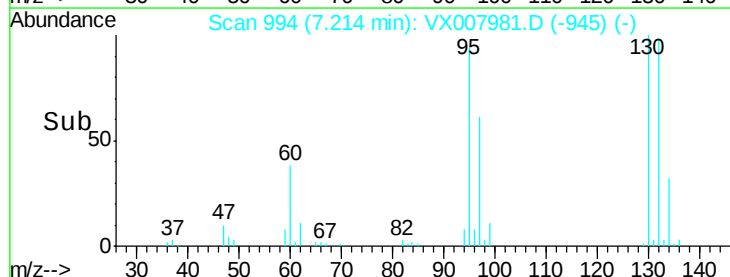
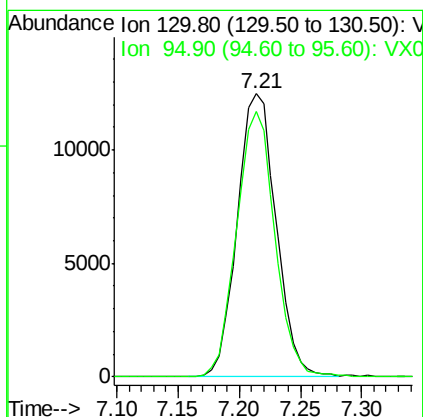
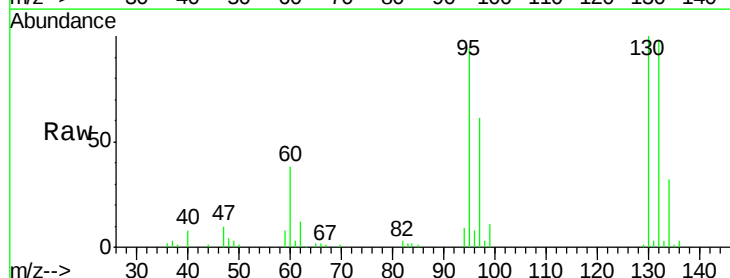
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20190308

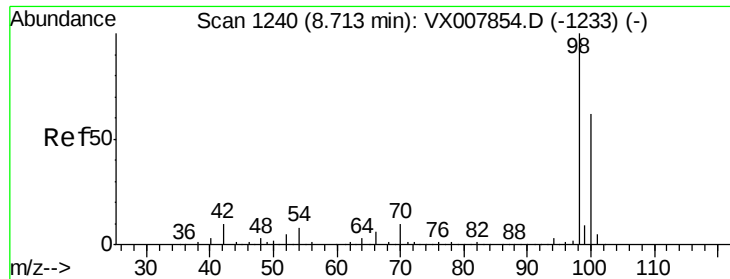
Tot Ion:117 Resp: 21094
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 9.312 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX007981.D
Acq: 11 Mar 2019 20:17

Tgt Ion:130 Resp: 27462
Ion Ratio Lower Upper
130 100
95 93.6 0.0 188.0





#50

Toluene-d8

Concen: 51.274 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007981.D

Acq: 11 Mar 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

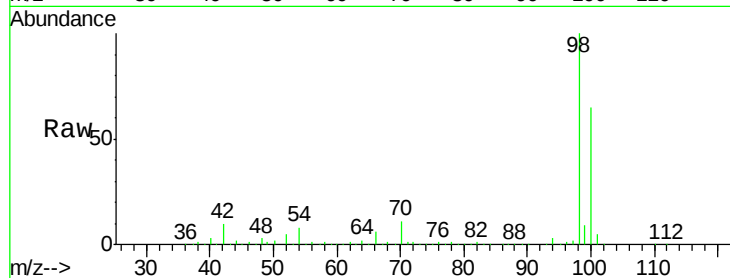
RE122D3-20190308

Tot Ion: 98 Resp: 478162

Ion Ratio Lower Upper

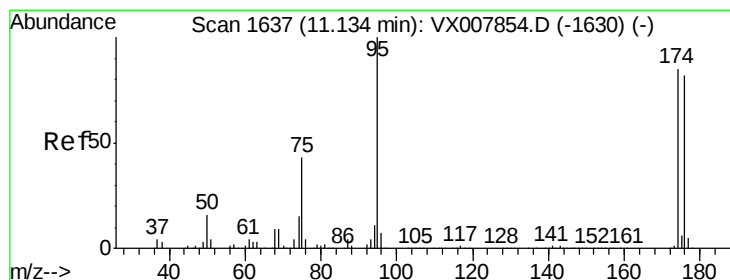
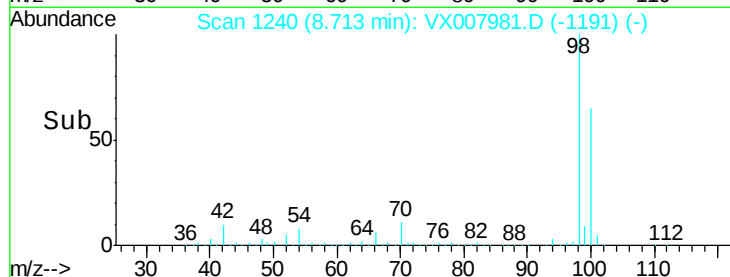
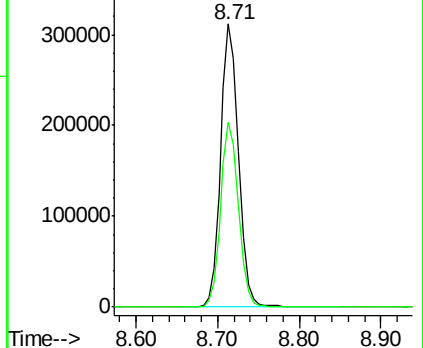
98 100

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): VX



#62

4-Bromofluorobenzene

Concen: 53.769 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007981.D

Acq: 11 Mar 2019 20:17

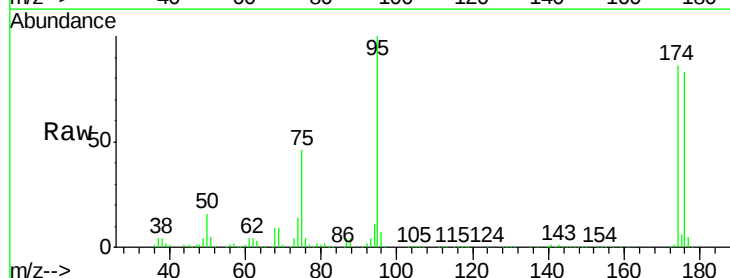
Tgt Ion: 95 Resp: 175803

Ion Ratio Lower Upper

95 100

174 93.1 0.0 182.8

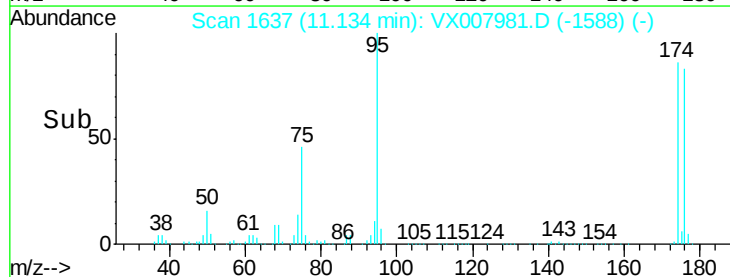
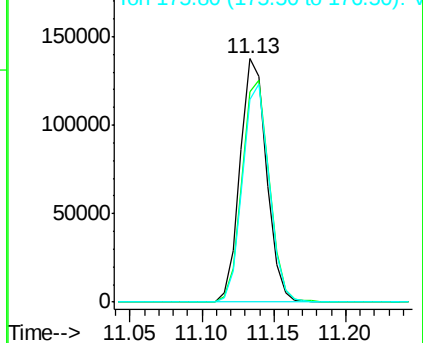
176 90.4 0.0 178.0

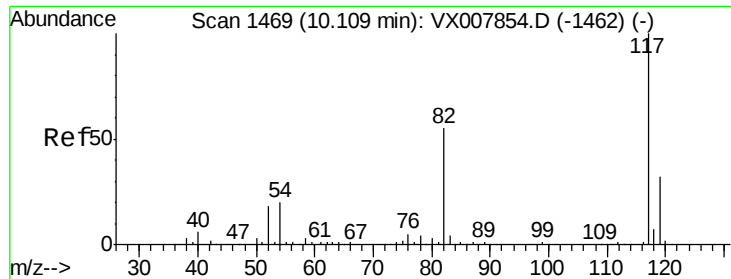


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

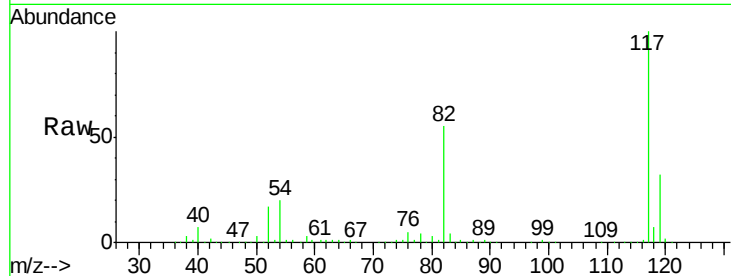




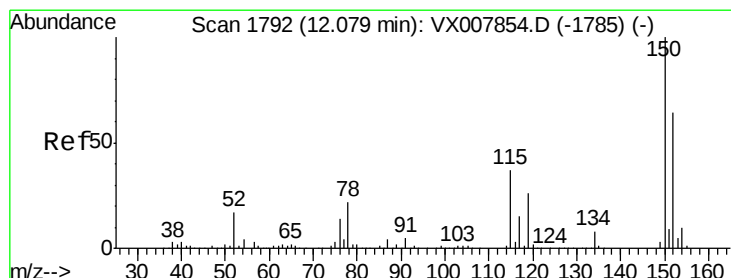
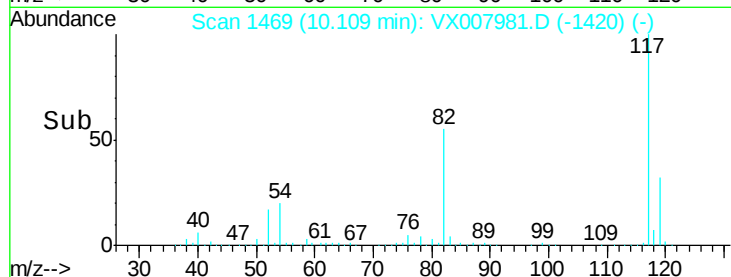
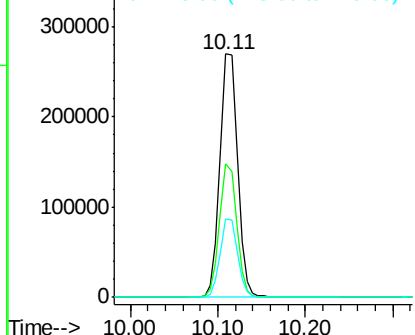
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX007981.D
 Acq: 11 Mar 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20190308

Tot Ion:117 Resp: 377560
 Ion Ratio Lower Upper
 117 100
 82 54.7 44.3 66.5
 119 32.2 25.3 37.9

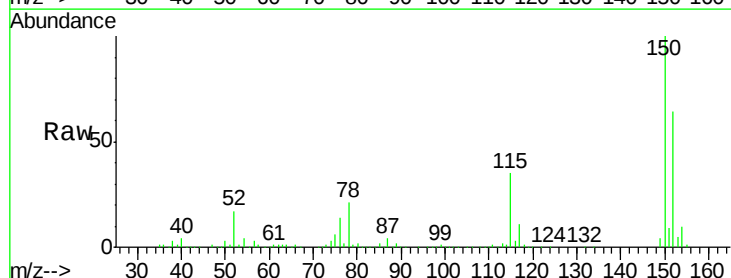


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX
 Ion 118.90 (118.60 to 119.60): V

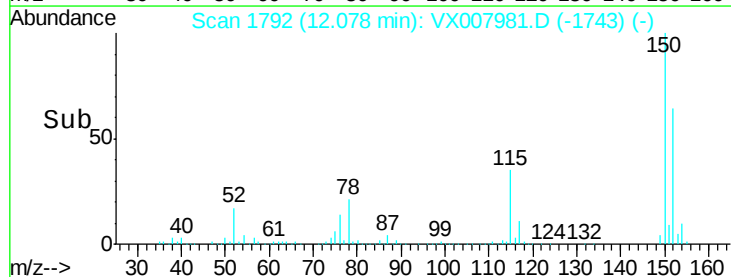
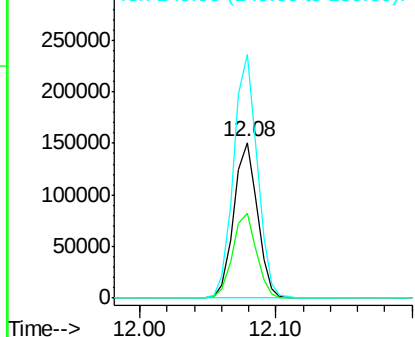


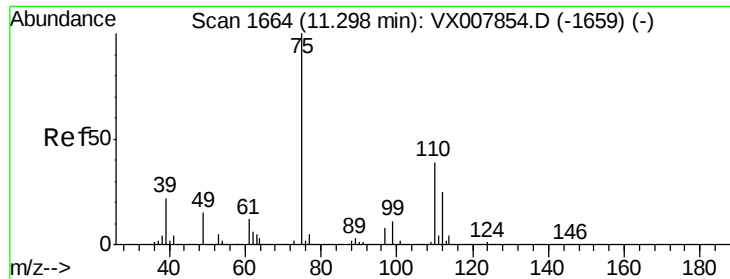
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX007981.D
 Acq: 11 Mar 2019 20:17

Tgt Ion:152 Resp: 182057
 Ion Ratio Lower Upper
 152 100
 115 55.2 38.6 115.7
 150 157.1 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

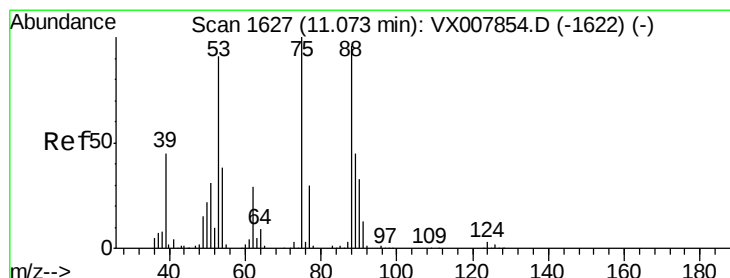
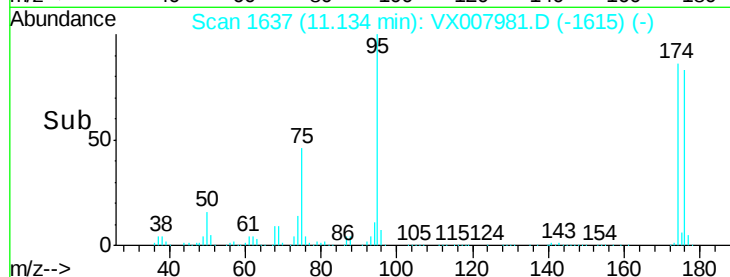
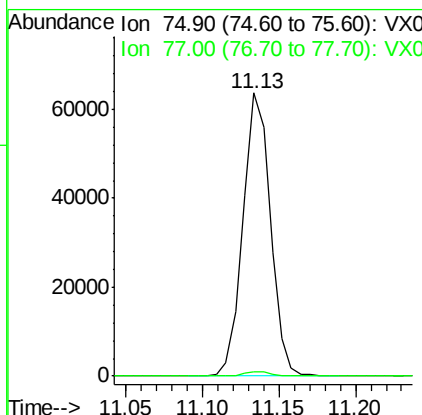
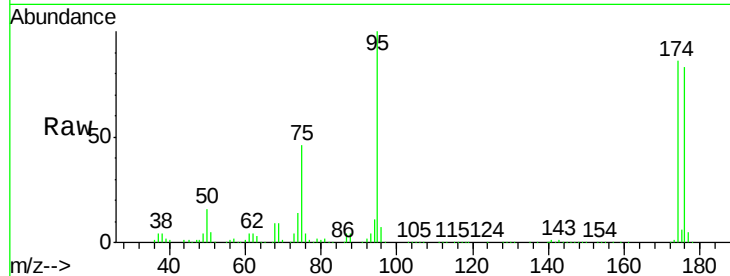




#76
 1,2,3-Trichloropropane
 Concen: 20.872 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007981.D
 Acq: 11 Mar 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20190308

Tot Ion: 75 Resp: 79739
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.718 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007981.D
 Acq: 11 Mar 2019 20:17

Tgt Ion: 75 Resp: 79739
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.0 36.3 54.5#

