

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
 Data File : VX012034.D
 Acq On : 03 Sep 2019 20:50
 Operator : SY/SP
 Sample : K4546-03
 Misc : 4.83g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C2-(0)

Quant Time: Sep 04 04:05:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	152303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	266338	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	83754	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	101274	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
35) Dibromofluoromethane	5.49	113	80946	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	8.71	98	313645	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	11.14	95	114291	40.89	ug/l	0.00
Spiked Amount			Recovery	=	81.78%	

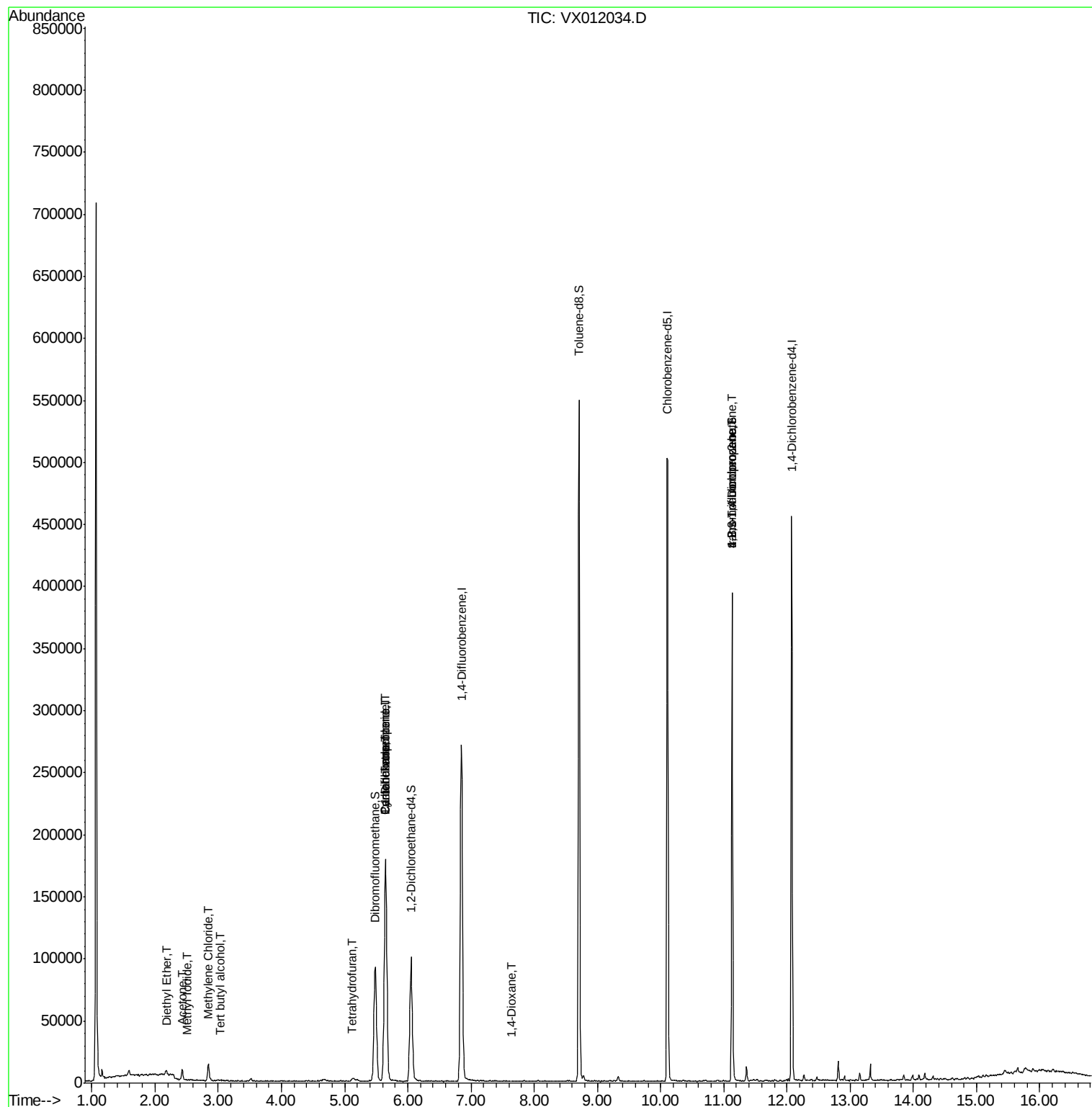
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	1342	1.848	ug/l	96
10) Methyl Iodide	2.50	142	135	7.062	ug/l #	59
11) Tert butyl alcohol	3.03	59	983	4.870	ug/l #	74
13) Acrolein	2.28	56	97	Below Cal	#	74
16) Acetone	2.43	43	8324	16.572	ug/l	97
20) Methylene Chloride	2.84	84	5986	2.968	ug/l	91
29) Tetrahydrofuran	5.12	42	2770	7.190	ug/l	96
31) Cyclohexane	5.64	56	4211	1.634	ug/l #	11
36) 1,1-Dichloropropene	5.65	75	14221	6.062	ug/l #	49
38) Carbon Tetrachloride	5.65	117	17903	7.243	ug/l #	15
49) 1,4-Dioxane	7.65	88	21	1.181	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	57133	55.830	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	57133	131.990	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
Data File : VX012034.D
Acq On : 03 Sep 2019 20:50
Operator : SY/SP
Sample : K4546-03
Misc : 4.83g/5.0mL/MSVOA_X/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T3-S-C2-(0)

Quant Time: Sep 04 04:05:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012034.D

Acq: 03 Sep 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

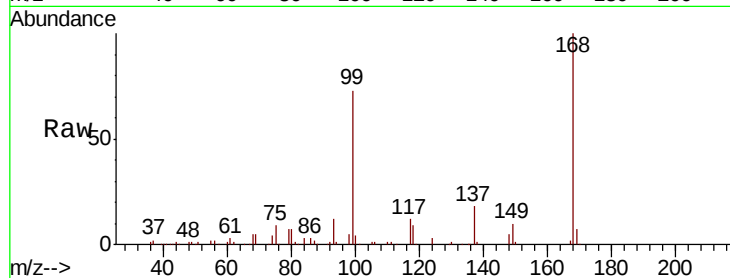
T3-S-C2-(0)

Tgt Ion:168 Resp: 152303

Ion Ratio Lower Upper

168 100

99 73.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

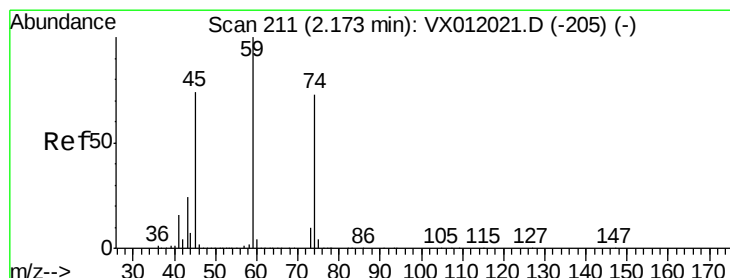
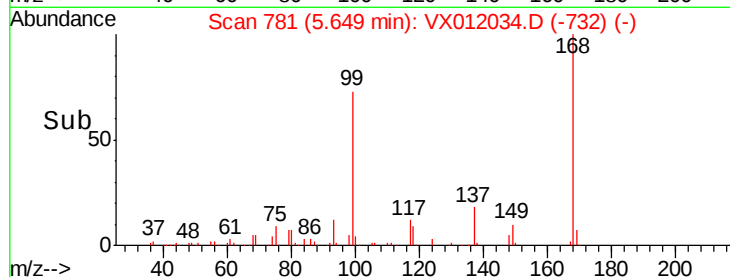
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.848 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012034.D

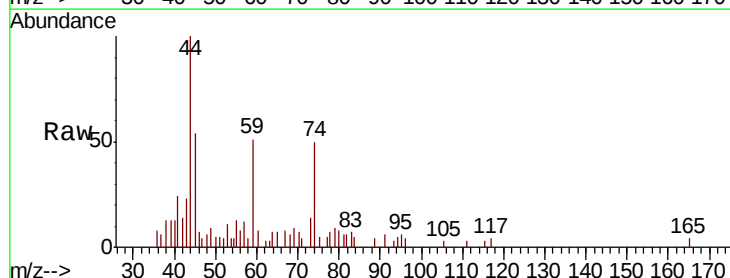
Acq: 03 Sep 2019 20:50

Tgt Ion: 74 Resp: 1342

Ion Ratio Lower Upper

74 100

45 95.4 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

1000

800

600

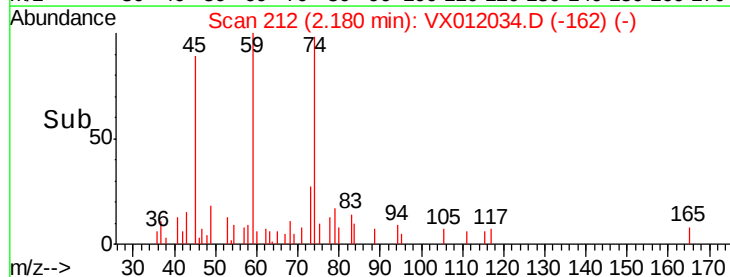
400

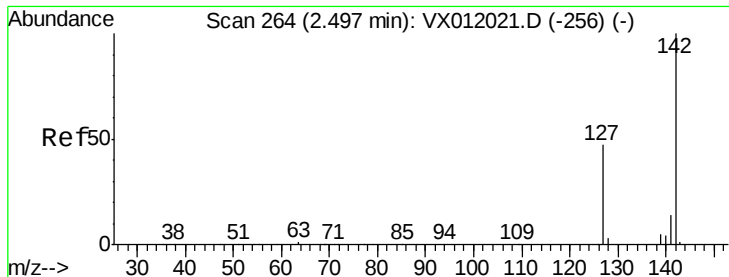
200

0

Time-->

2.10 2.15 2.20 2.25

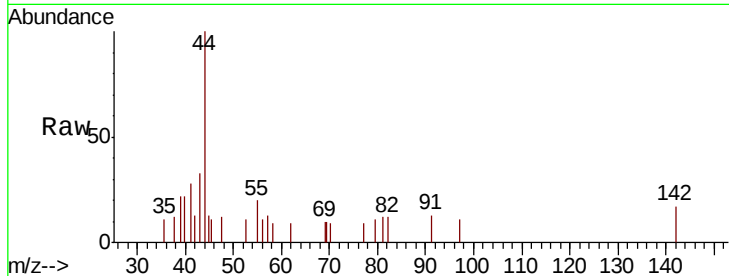




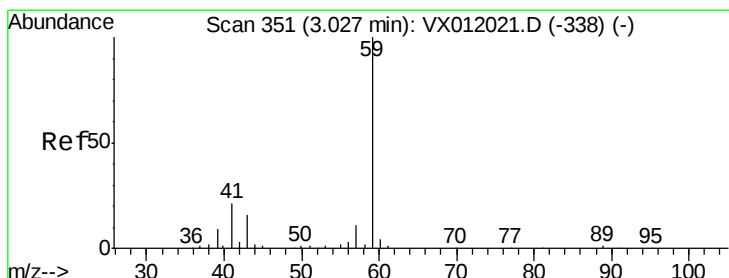
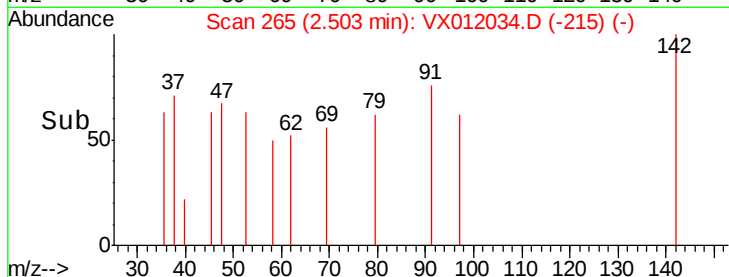
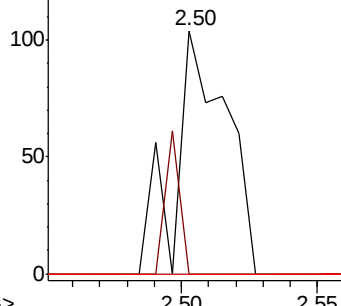
#10
Methyl Iodide
Concen: 7.062 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012034.D
Acq: 03 Sep 2019 20:50

Instrument :
MSVOA_X
ClientSampled :
T3-S-C2-(0)

Tgt Ion: 142 Resp: 135
Ion Ratio Lower Upper
142 100
127 16.3 35.4 53.2#
141 0.0 11.4 17.2#

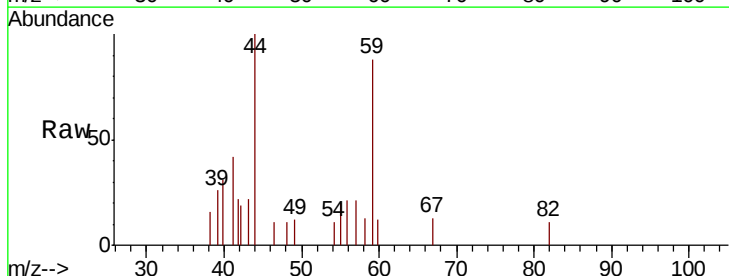


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

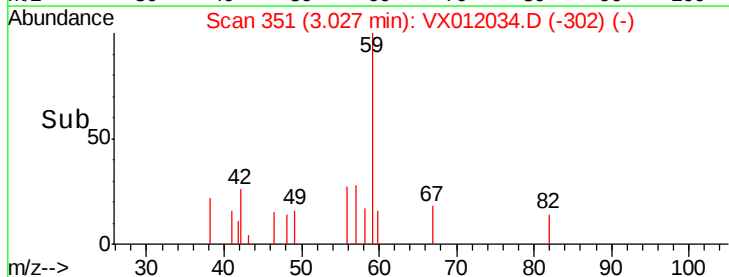
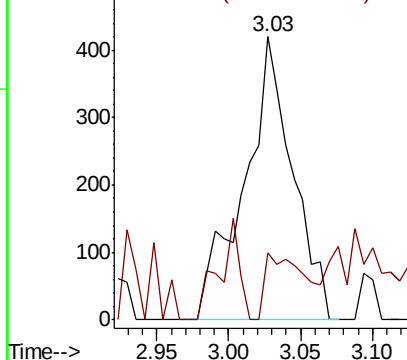


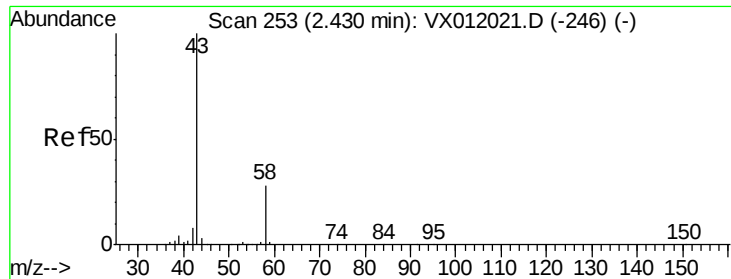
#11
Tert butyl alcohol
Concen: 4.870 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012034.D
Acq: 03 Sep 2019 20:50

Tgt Ion: 59 Resp: 983
Ion Ratio Lower Upper
59 100
57 19.6 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 16.572 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012034.D

Acq: 03 Sep 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

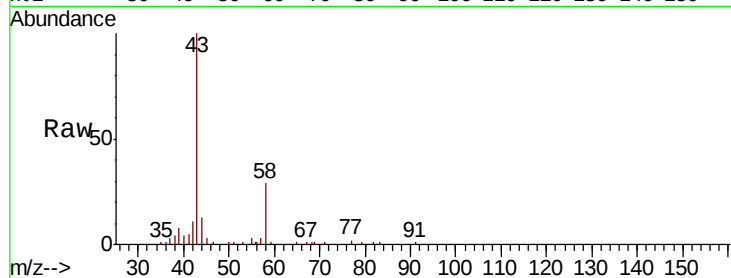
T3-S-C2-(0)

Tgt Ion: 43 Resp: 8324

Ion Ratio Lower Upper

43 100

58 29.9 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

6000

5000

4000

3000

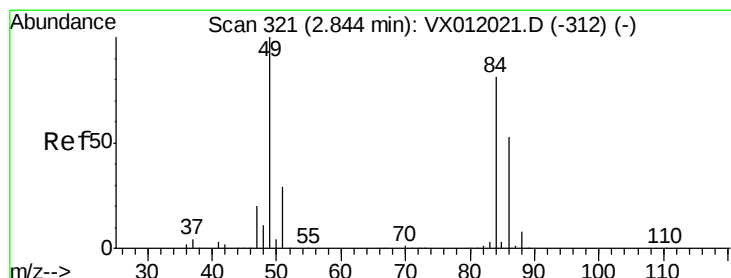
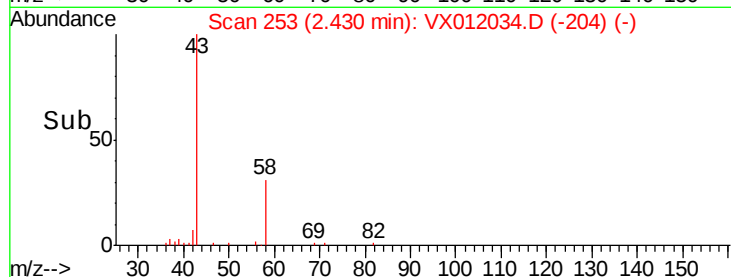
2000

1000

0

Time-->

2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 2.968 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012034.D

Acq: 03 Sep 2019 20:50

Tgt Ion: 84 Resp: 5986

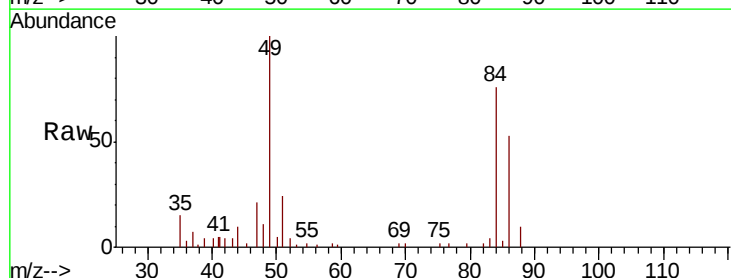
Ion Ratio Lower Upper

84 100

49 131.3 95.8 143.8

51 31.5 28.6 43.0

86 69.1 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

6000

5000

4000

3000

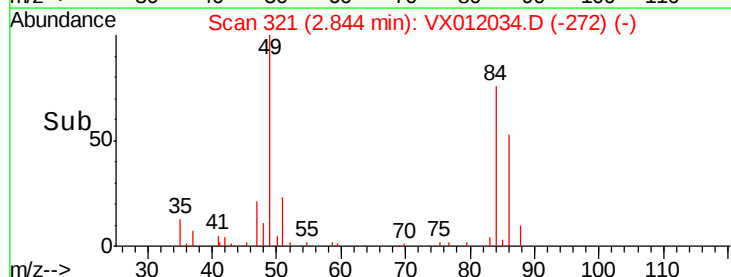
2000

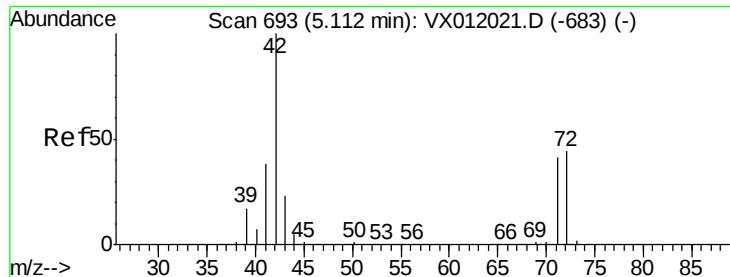
1000

0

Time-->

2.75 2.80 2.85 2.90 2.95





#29

Tetrahydrofuran

Concen: 7.190 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012034.D

Acq: 03 Sep 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

T3-S-C2-(0)

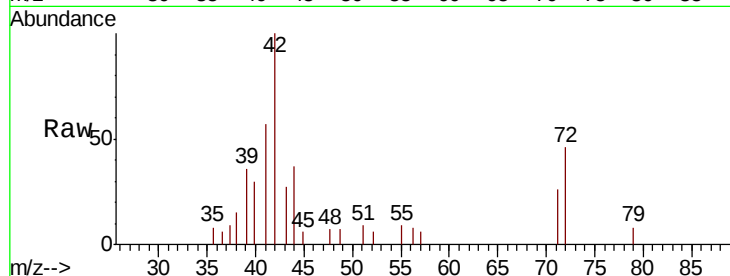
Tgt Ion: 42 Resp: 2770

Ion Ratio Lower Upper

42 100

72 42.5 37.0 55.4

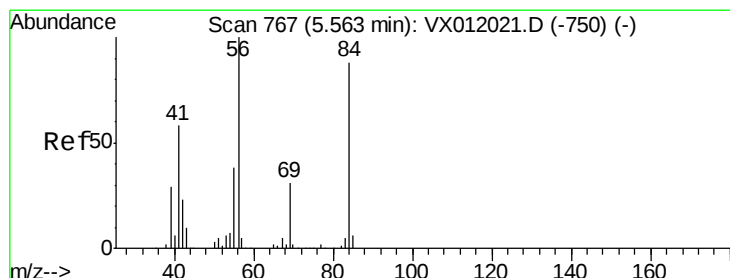
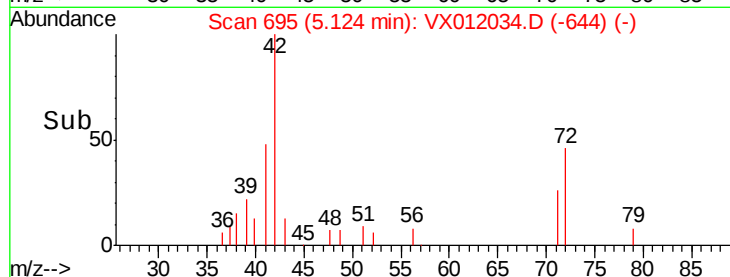
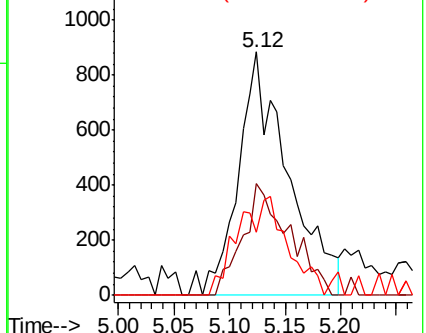
71 40.3 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.634 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012034.D

Acq: 03 Sep 2019 20:50

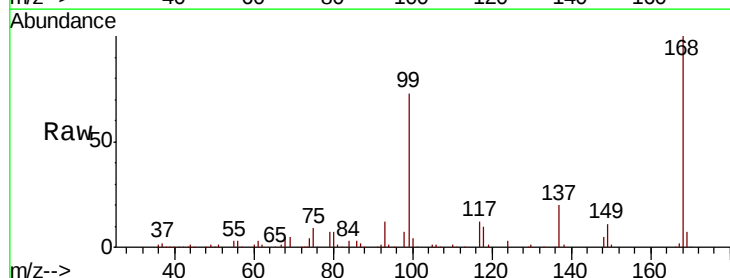
Tgt Ion: 56 Resp: 4211

Ion Ratio Lower Upper

56 100

69 188.8 25.7 38.5#

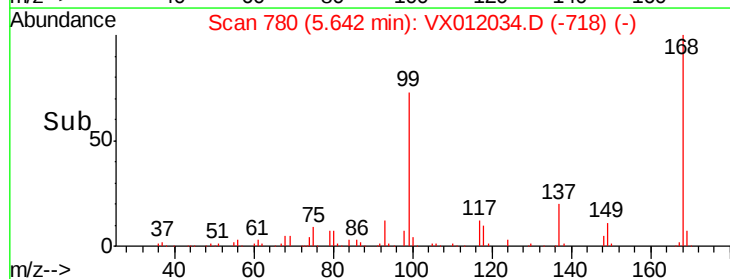
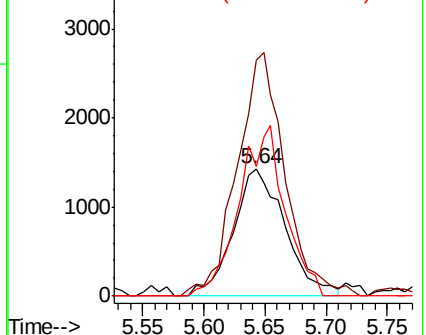
84 106.1 70.3 105.5#

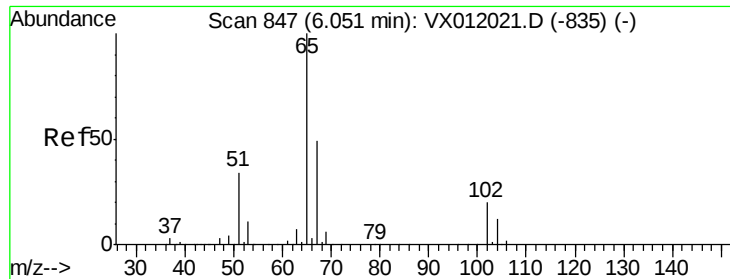


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.192 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012034.D

Acq: 03 Sep 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

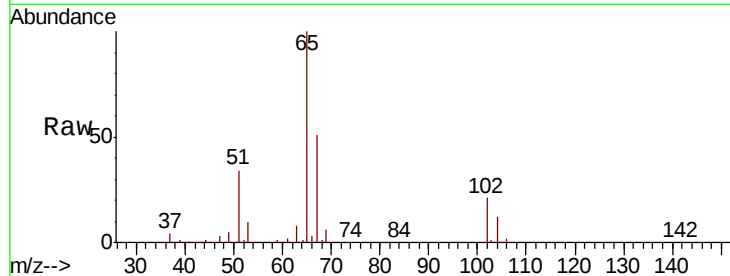
T3-S-C2-(0)

Tgt Ion: 65 Resp: 101274

Ion Ratio Lower Upper

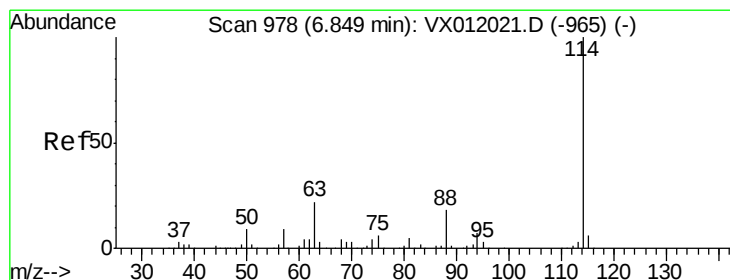
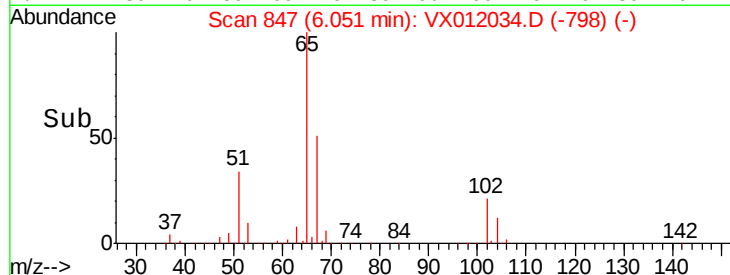
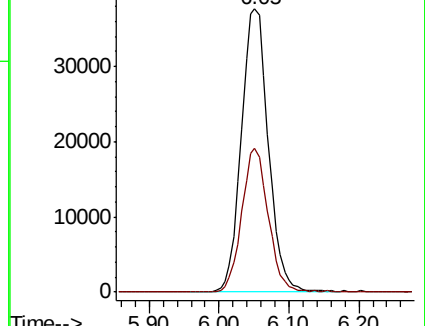
65 100

67 49.3 0.0 102.0



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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012034.D

Acq: 03 Sep 2019 20:50

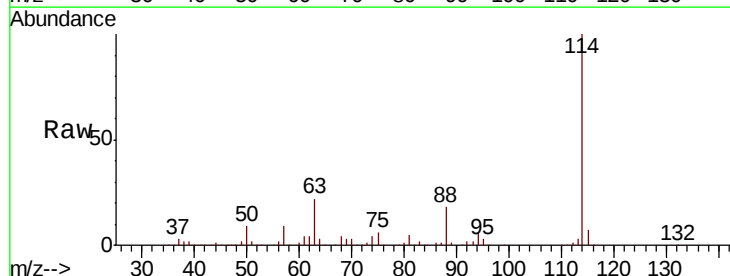
Tgt Ion: 114 Resp: 266338

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.4

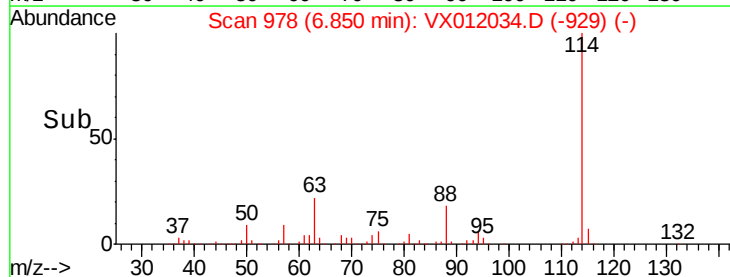
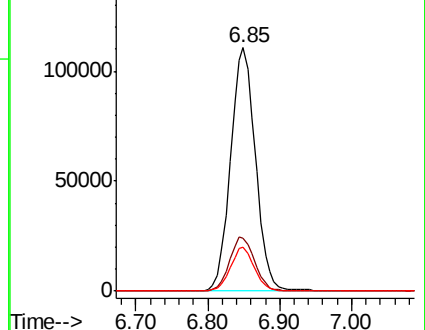
88 18.0 0.0 29.6

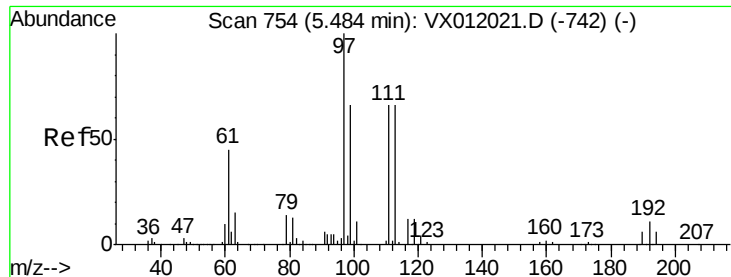


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

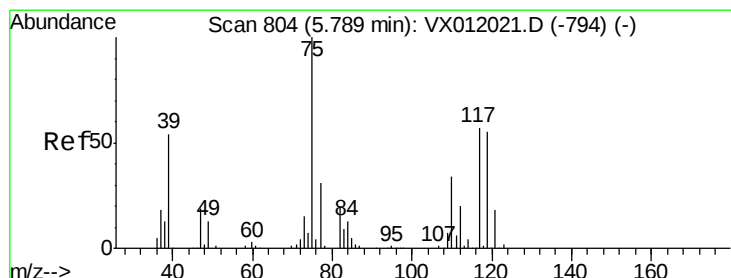
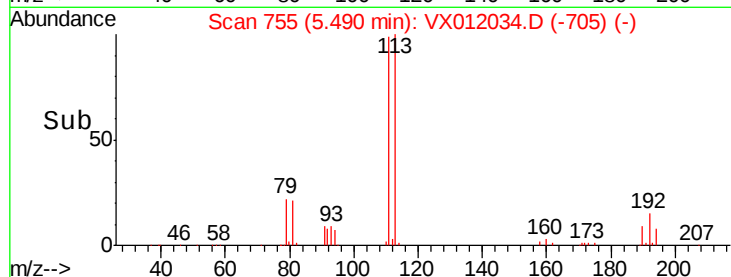
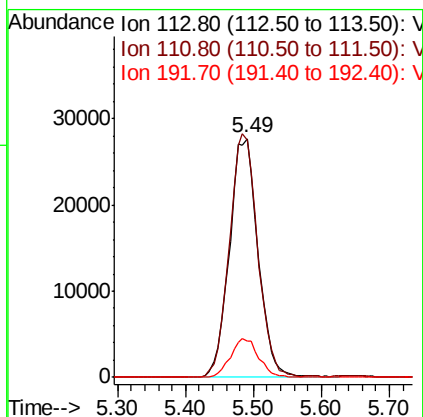
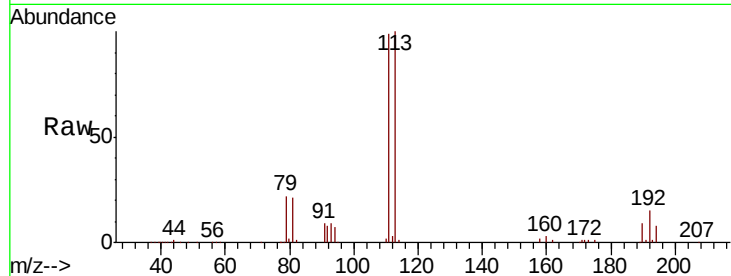




#35
 Dibromofluoromethane
 Concen: 49.421 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX012034.D
 Acq: 03 Sep 2019 20:50

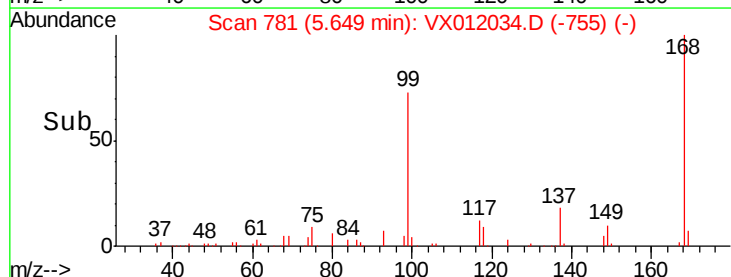
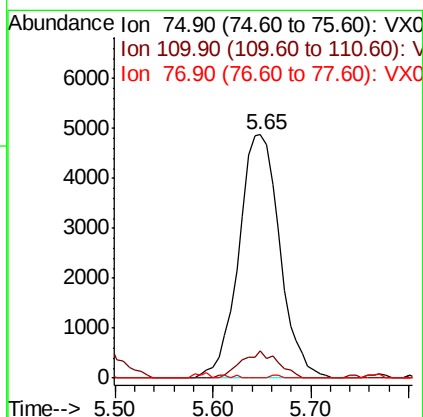
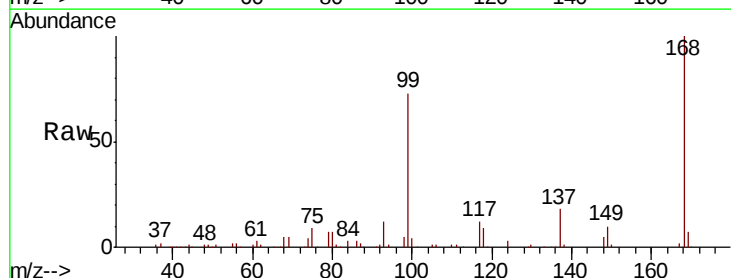
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C2-(0)

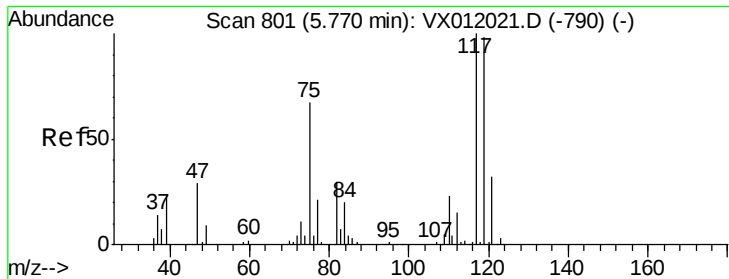
Tgt Ion:113 Resp: 80946
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.7 122.5
 192 16.0 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 6.062 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012034.D
 Acq: 03 Sep 2019 20:50

Tgt Ion: 75 Resp: 14221
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.5 58.5#
 77 0.3 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.243 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012034.D

Acq: 03 Sep 2019 20:50

Instrument :

MSVOA_X

ClientSampled :

T3-S-C2-(0)

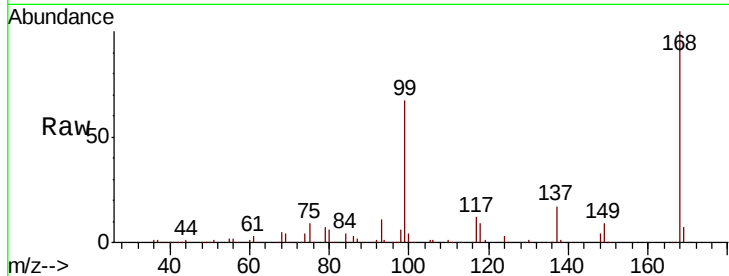
Tgt Ion:117 Resp: 17903

Ion Ratio Lower Upper

117 100

119 4.4 78.3 117.5#

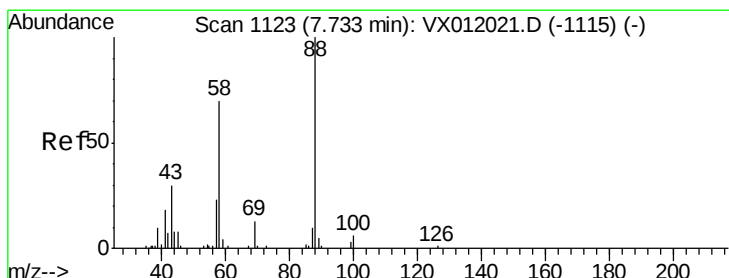
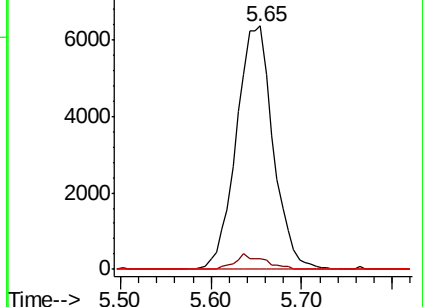
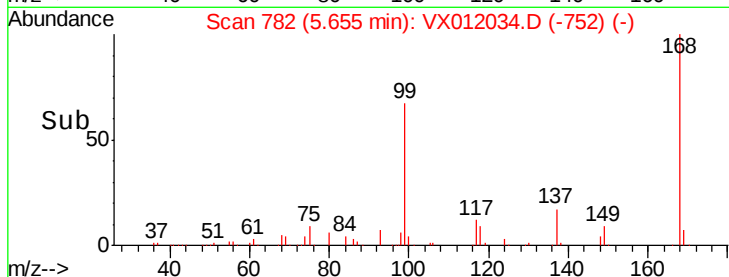
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.181 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.08 min

Lab File: VX012034.D

Acq: 03 Sep 2019 20:50

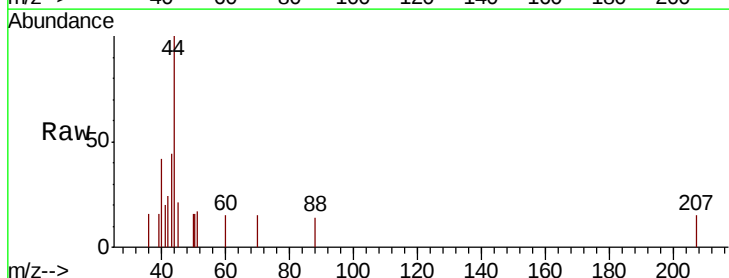
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 242.9 29.8 44.6#

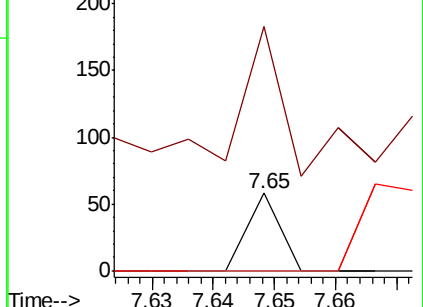
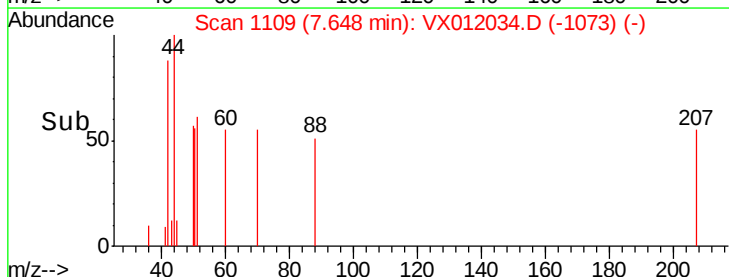
58 0.0 55.4 83.2#

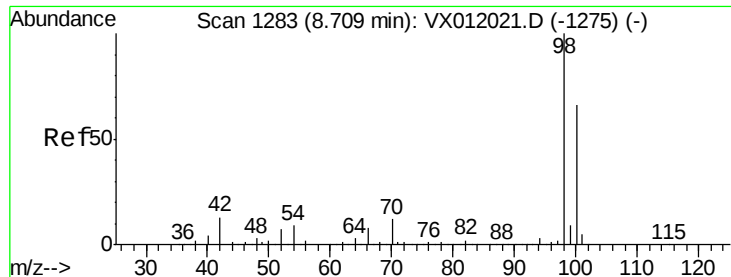


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.184 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012034.D

Acq: 03 Sep 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

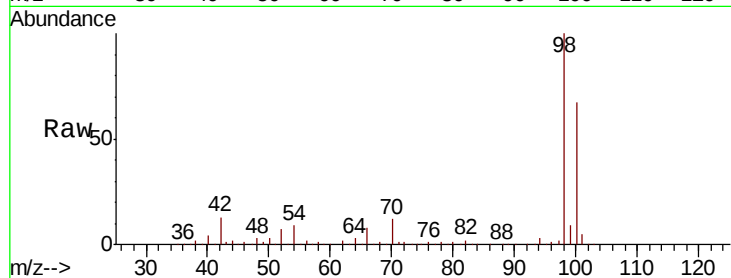
T3-S-C2-(0)

Tgt Ion: 98 Resp: 313645

Ion Ratio Lower Upper

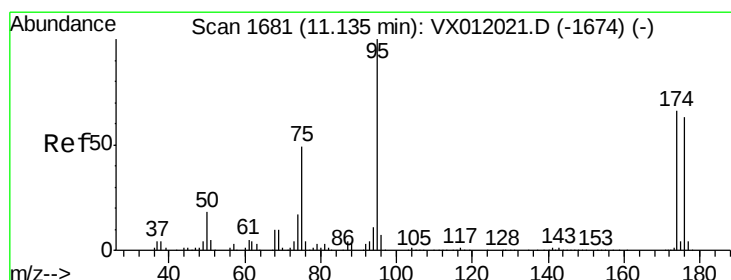
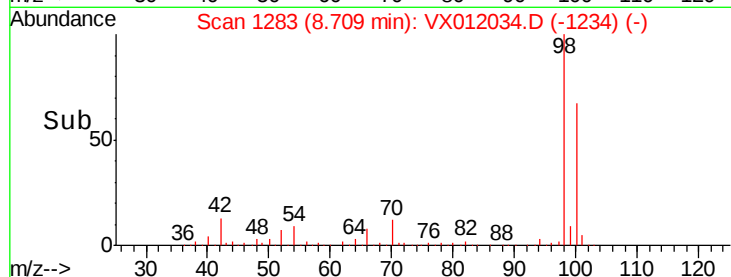
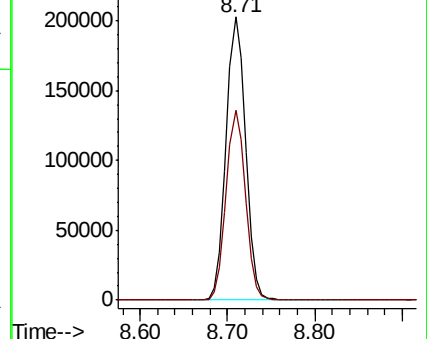
98 100

100 66.6 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 40.889 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012034.D

Acq: 03 Sep 2019 20:50

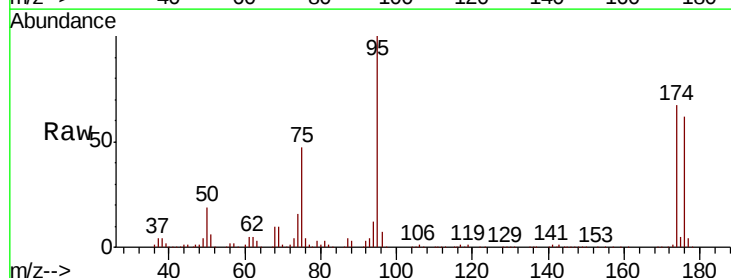
Tgt Ion: 95 Resp: 114291

Ion Ratio Lower Upper

95 100

174 64.3 0.0 205.4

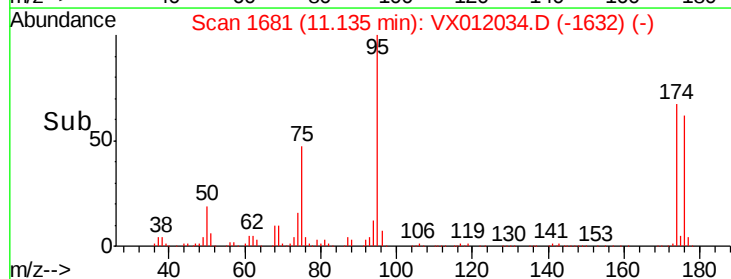
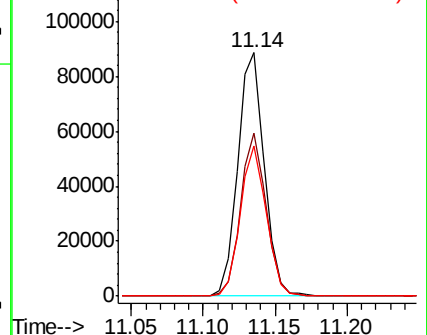
176 60.2 0.0 201.8

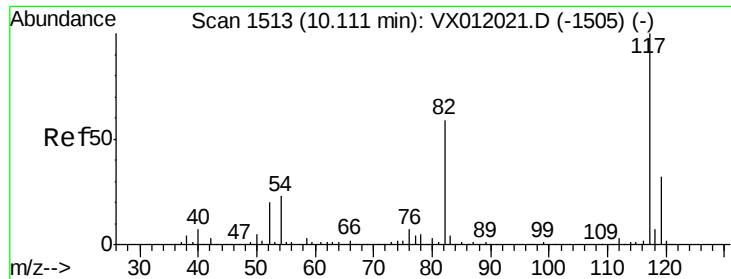


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

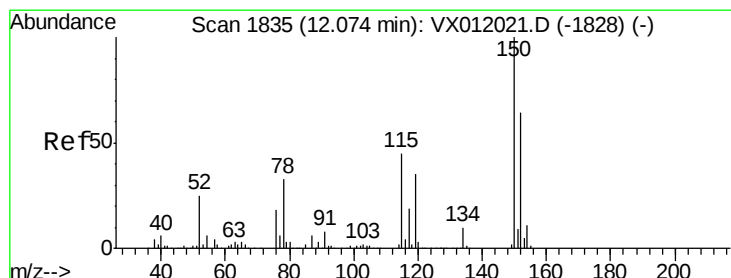
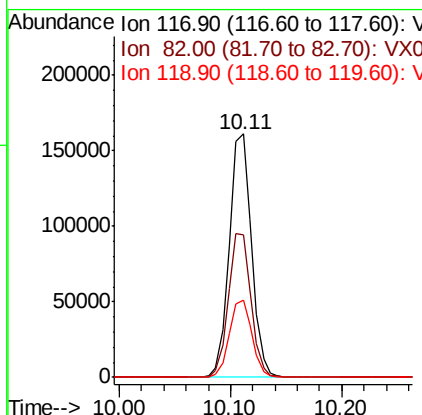
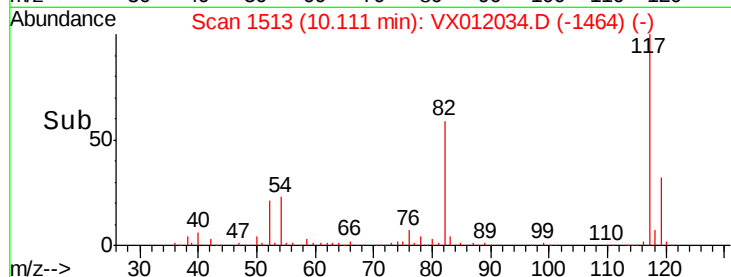
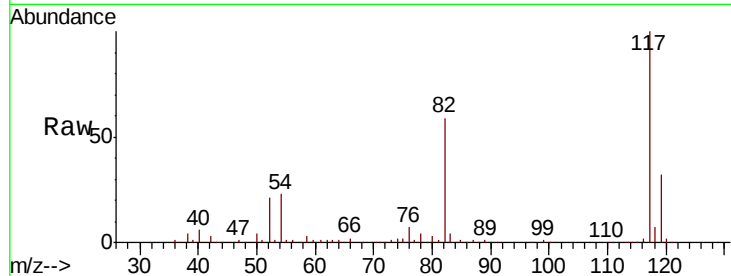




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012034.D
Acq: 03 Sep 2019 20:50

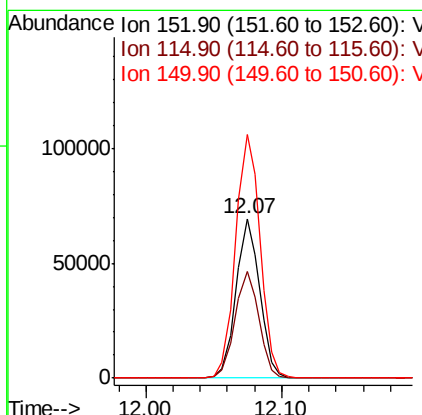
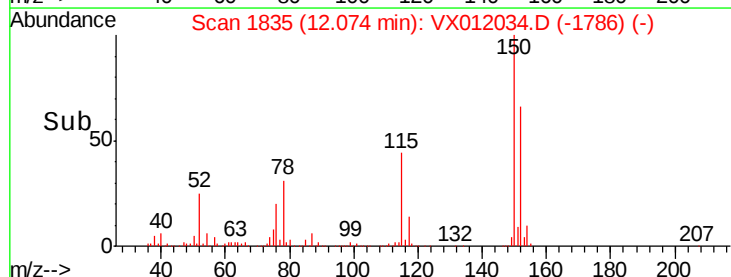
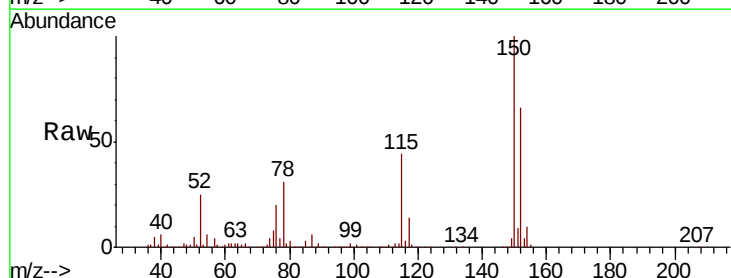
Instrument :
MSVOA_X
ClientSampleId :
T3-S-C2-(0)

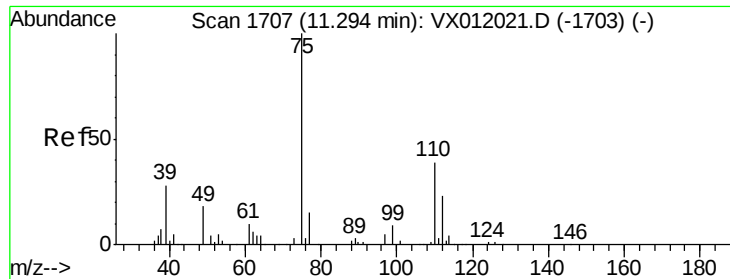
Tgt Ion:117 Resp: 222805
Ion Ratio Lower Upper
117 100
82 58.8 39.4 59.0
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012034.D
Acq: 03 Sep 2019 20:50

Tgt Ion:152 Resp: 83754
Ion Ratio Lower Upper
152 100
115 67.9 36.4 109.3
150 159.2 0.0 341.2





#76

1,2,3-Trichloropropane

Concen: 55.830 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012034.D

Acq: 03 Sep 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

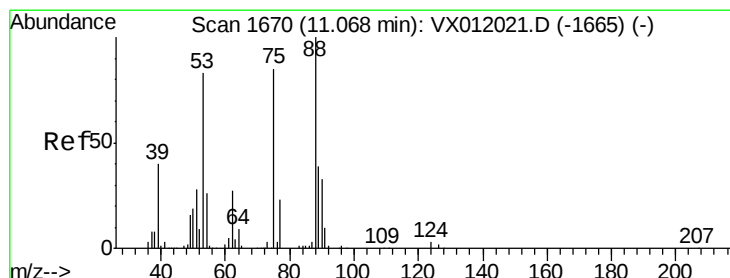
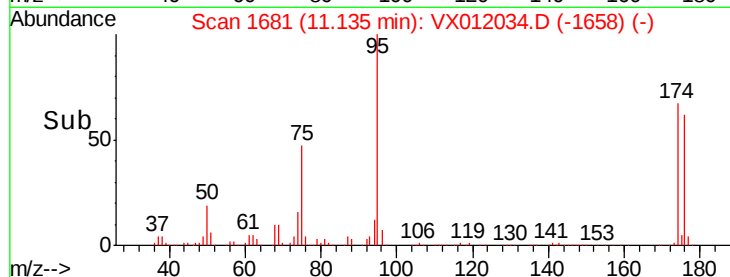
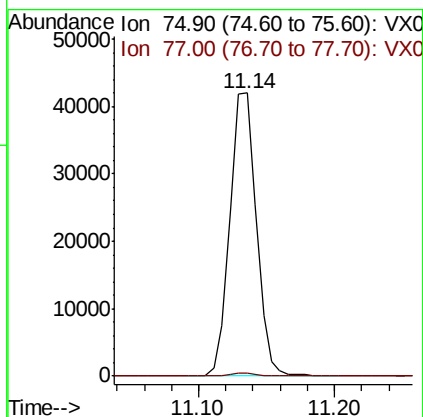
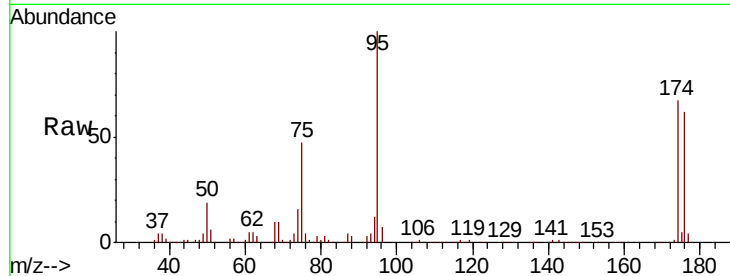
T3-S-C2-(0)

Tgt Ion: 75 Resp: 57133

Ion Ratio Lower Upper

75 100

77 1.3 23.5 70.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.990 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012034.D

Acq: 03 Sep 2019 20:50

Tgt Ion: 75 Resp: 57133

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.1 38.8 58.2#

