

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012044.D
 Acq On : 04 Sep 2019 11:36
 Operator : SY/SP
 Sample : K4089-06
 Misc : 6.32g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OK-02-082919

Quant Time: Sep 04 11:56:49 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	174525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	304559	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106777	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	117617	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	5.48	113	92573	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	8.71	98	361028	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
62) 4-Bromofluorobenzene	11.14	95	139794	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	

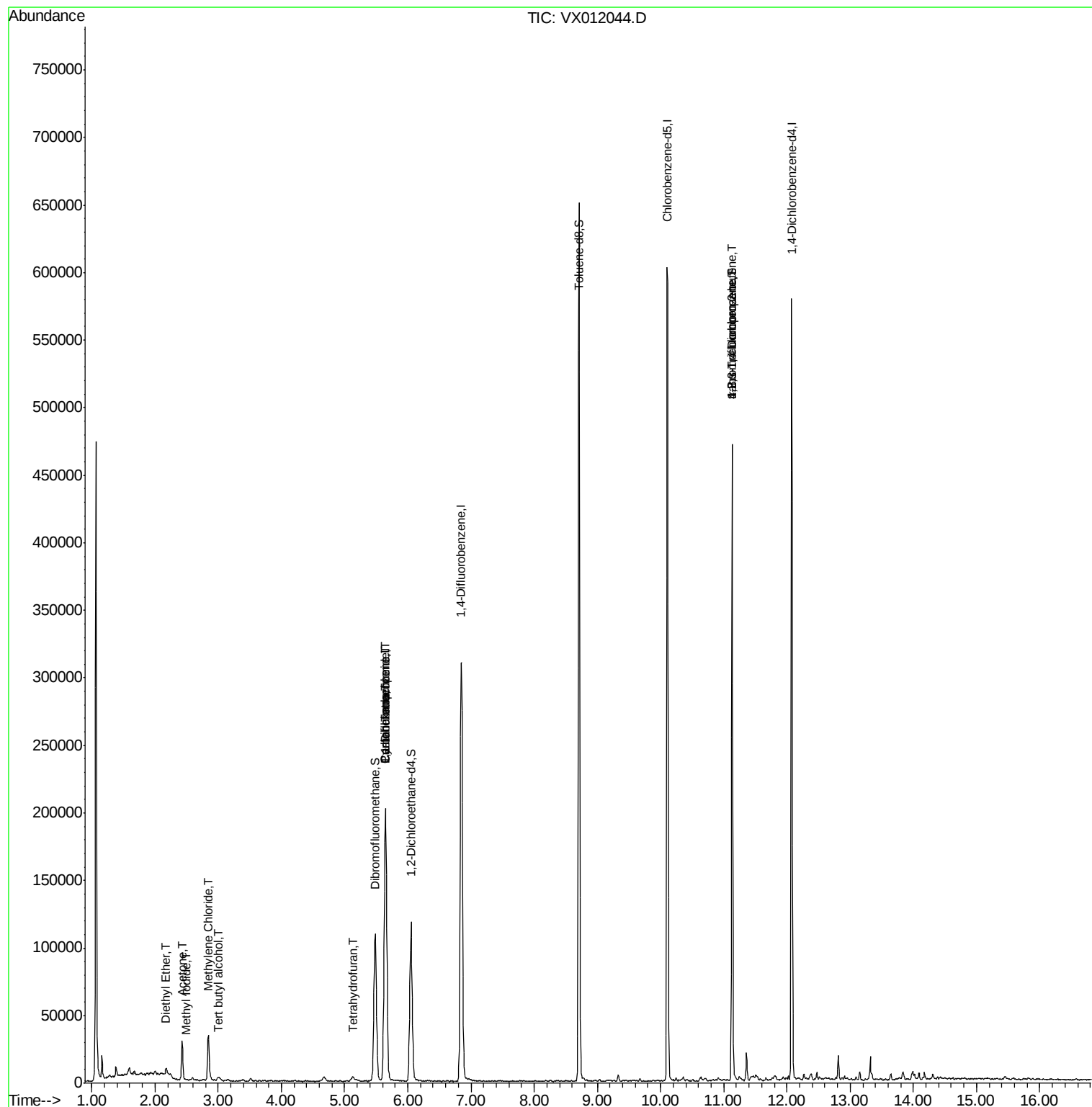
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1624	1.951	ug/l	79
10) Methyl Iodide	2.50	142	596	7.272	ug/l #	85
11) Tert butyl alcohol	3.01	59	3005	12.992	ug/l #	93
13) Acrolein	2.28	56	91	Below Cal	#	22
16) Acetone	2.43	43	30790	53.493	ug/l	99
20) Methylene Chloride	2.84	84	16320	7.061	ug/l	93
29) Tetrahydrofuran	5.12	42	2947	6.676	ug/l #	87
31) Cyclohexane	5.64	56	5142	1.742	ug/l #	19
36) 1,1-Dichloropropene	5.64	75	15845	5.907	ug/l #	45
38) Carbon Tetrachloride	5.64	117	20050	7.094	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	71762	55.005	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	71762	130.040	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
Data File : VX012044.D
Acq On : 04 Sep 2019 11:36
Operator : SY/SP
Sample : K4089-06
Misc : 6.32g/5.0mL/MSVOA_X/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
OK-02-082919

Quant Time: Sep 04 11:56:49 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: VX012044.D

Acq: 04 Sep 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

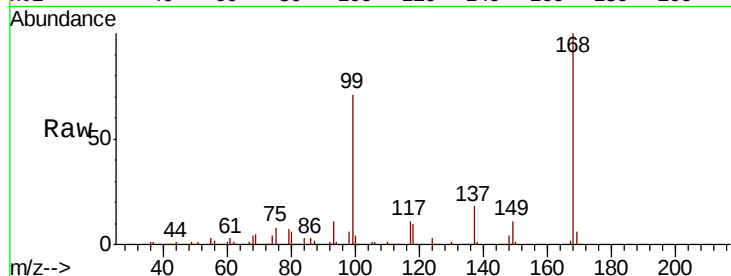
OK-02-082919

Tgt Ion:168 Resp: 174525

Ion Ratio Lower Upper

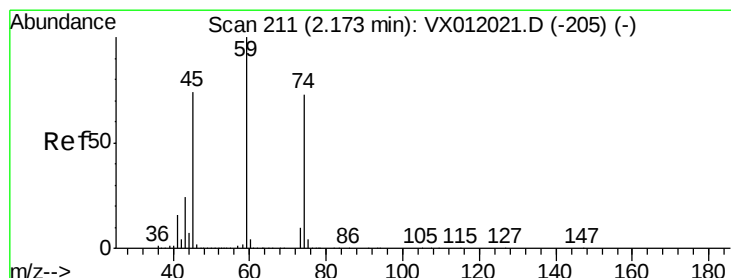
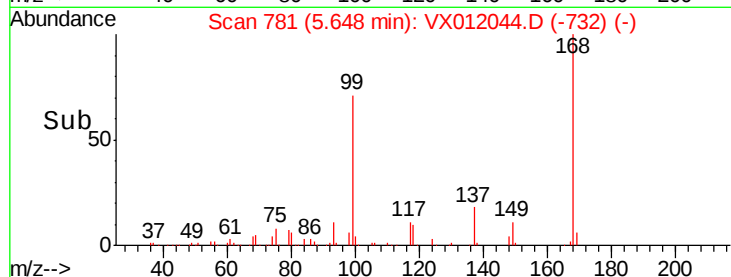
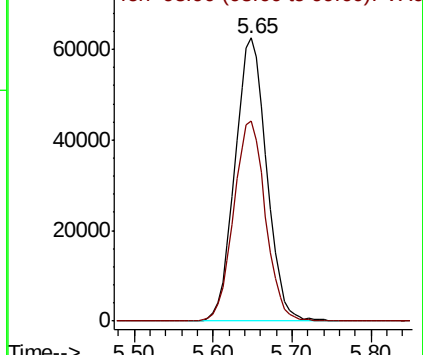
168 100

99 70.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.951 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012044.D

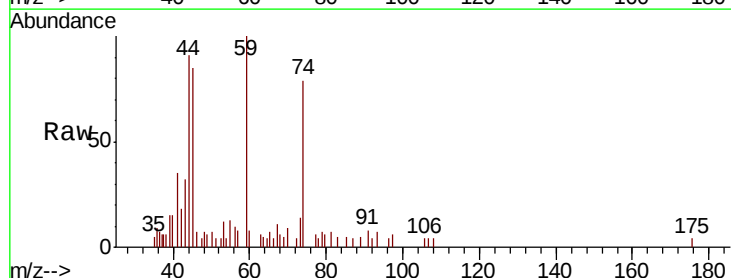
Acq: 04 Sep 2019 11:36

Tgt Ion: 74 Resp: 1624

Ion Ratio Lower Upper

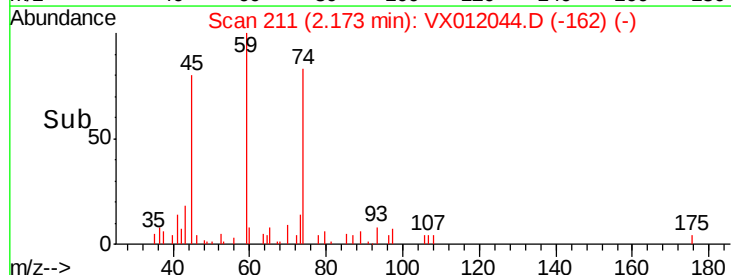
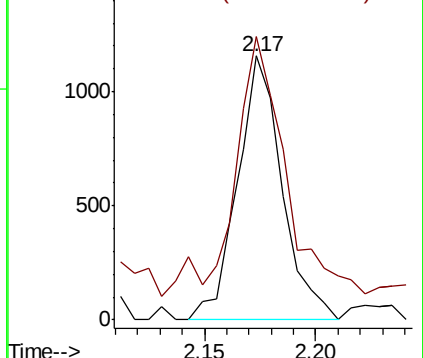
74 100

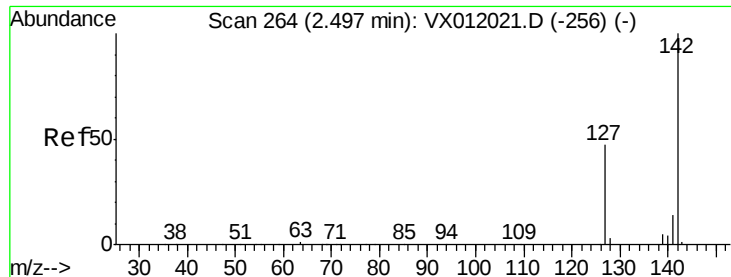
45 111.8 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

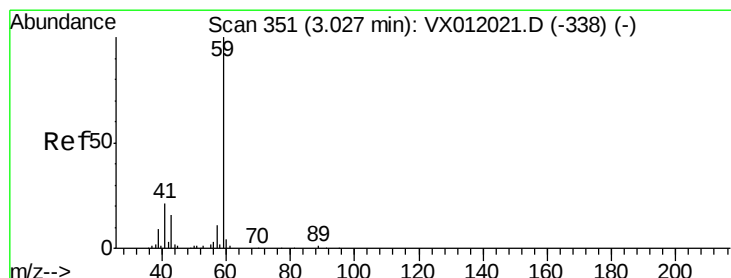
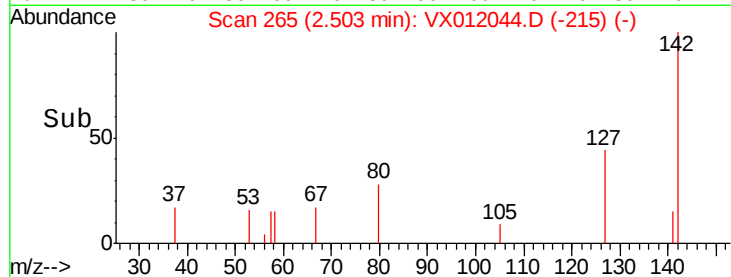
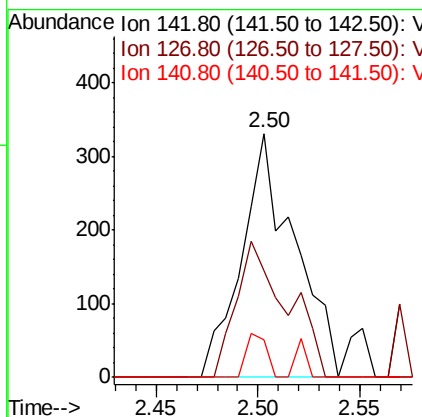
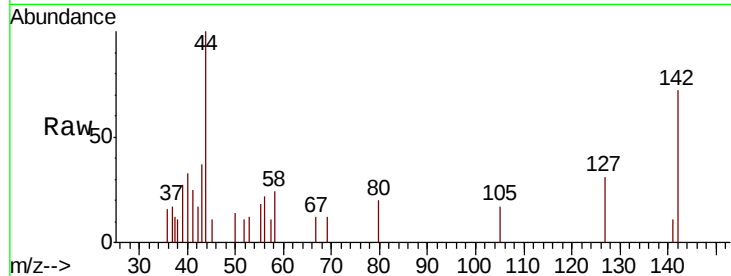




#10
Methyl Iodide
Concen: 7.272 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012044.D
Acq: 04 Sep 2019 11:36

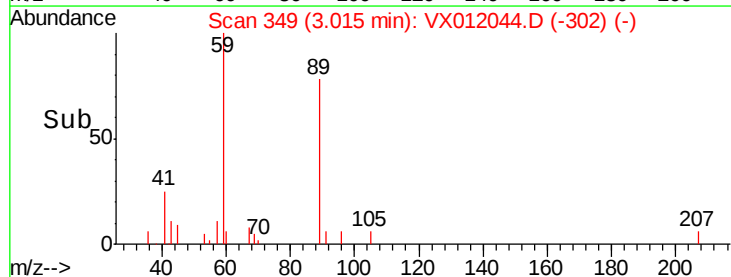
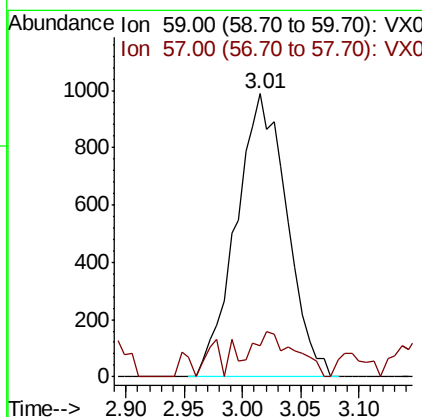
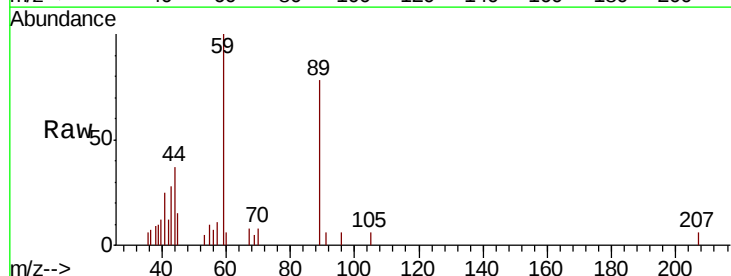
Instrument :
MSVOA_X
ClientSampleId :
OK-02-082919

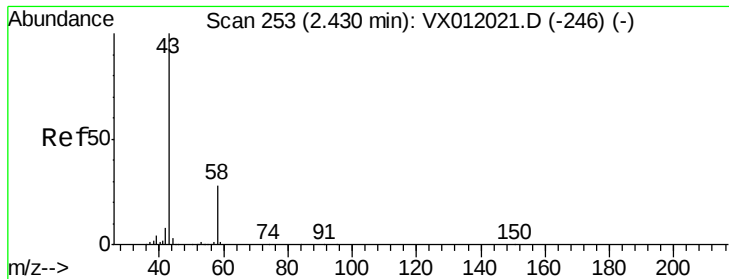
Tgt Ion: 142 Resp: 596
Ion Ratio Lower Upper
142 100
127 53.5 35.4 53.2#
141 6.7 11.4 17.2#



#11
Tert butyl alcohol
Concen: 12.992 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX012044.D
Acq: 04 Sep 2019 11:36

Tgt Ion: 59 Resp: 3005
Ion Ratio Lower Upper
59 100
57 12.5 7.9 11.9#





#16

Acetone

Concen: 53.493 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012044.D

Acq: 04 Sep 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

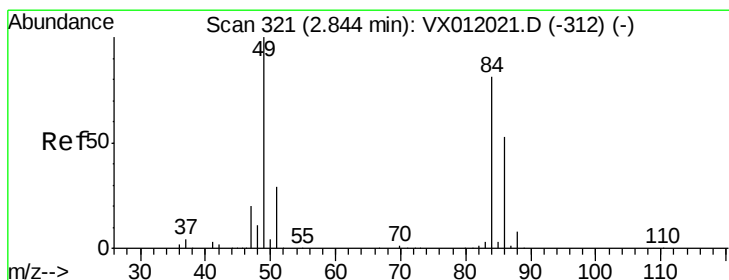
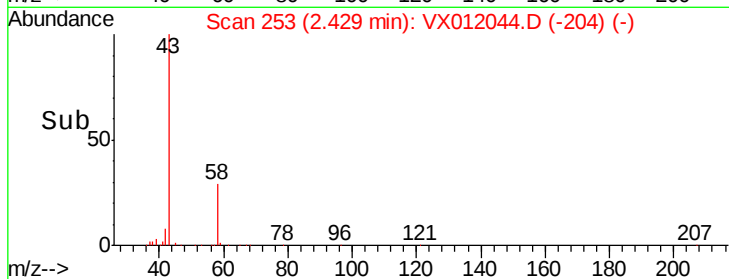
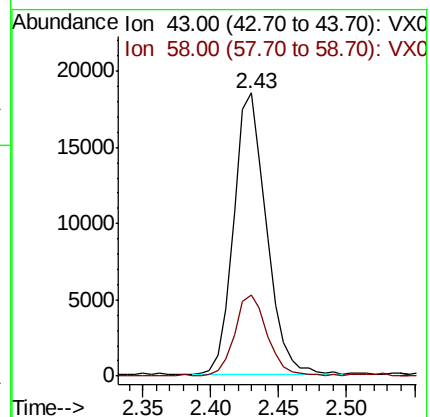
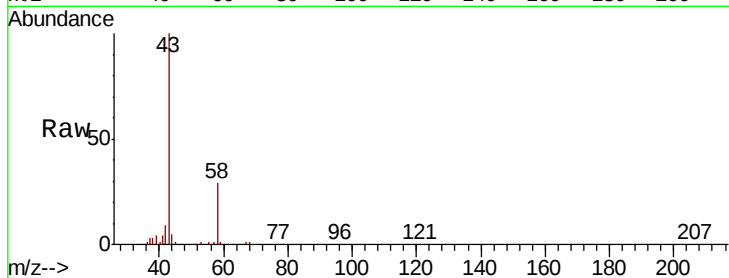
OK-02-082919

Tgt Ion: 43 Resp: 30790

Ion Ratio Lower Upper

43 100

58 28.9 22.8 34.2



#20

Methylene Chloride

Concen: 7.061 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012044.D

Acq: 04 Sep 2019 11:36

Tgt Ion: 84 Resp: 16320

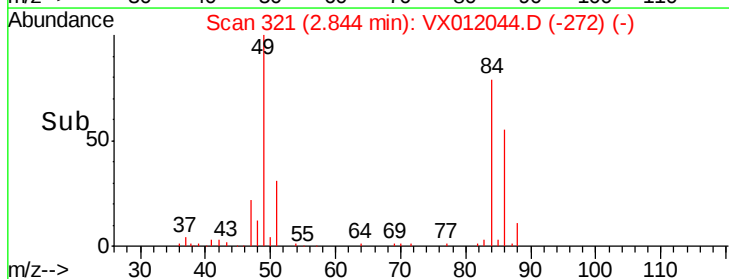
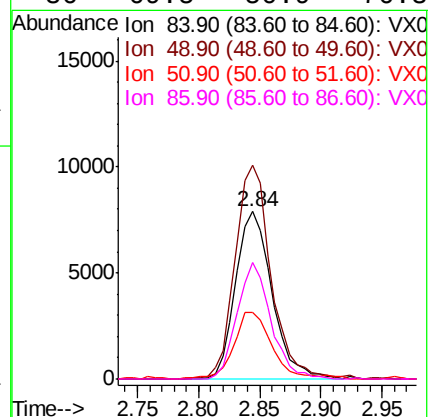
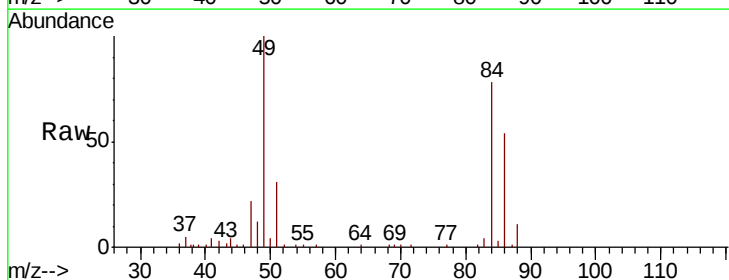
Ion Ratio Lower Upper

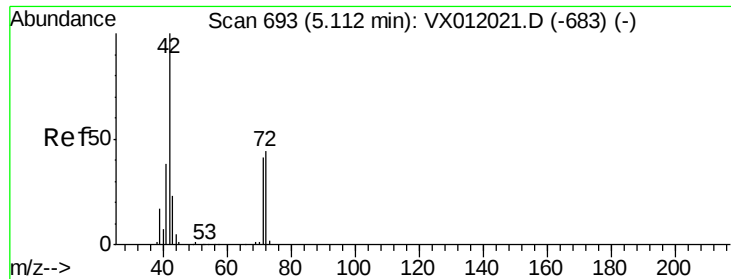
84 100

49 127.0 95.8 143.8

51 38.9 28.6 43.0

86 69.5 50.9 76.3

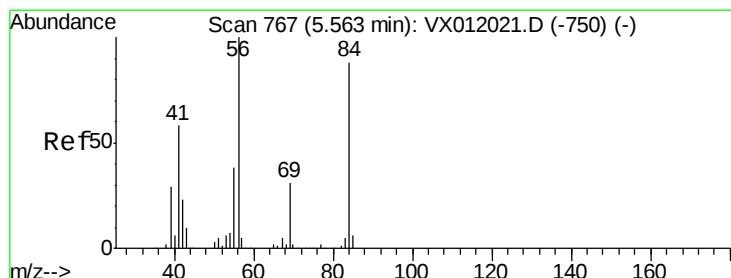
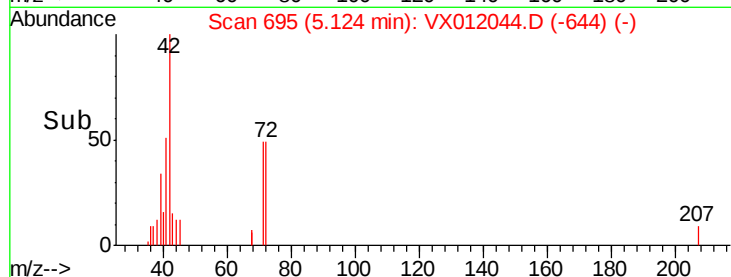
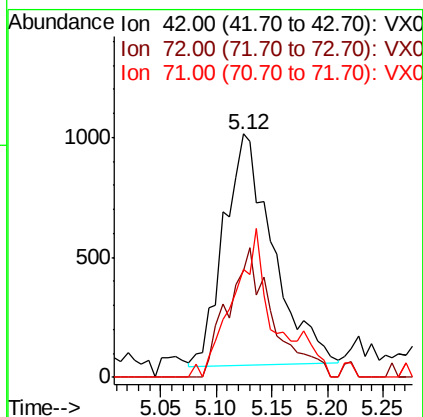
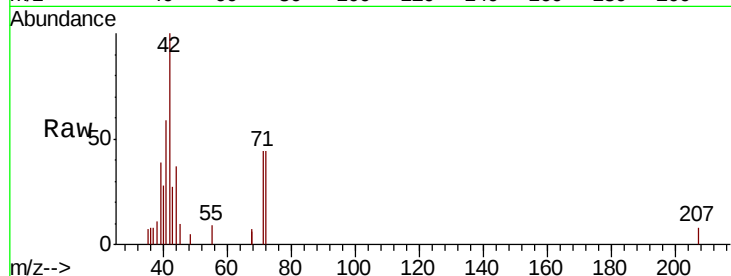




#29
Tetrahydrofuran
Concen: 6.676 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012044.D
Acq: 04 Sep 2019 11:36

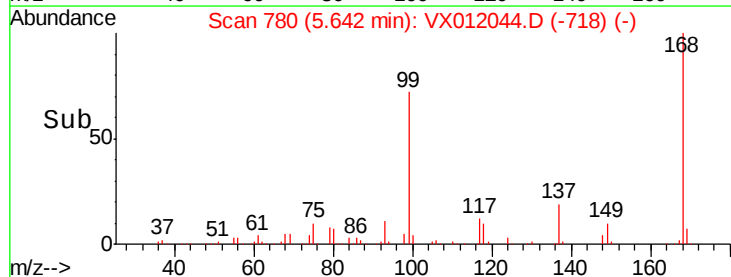
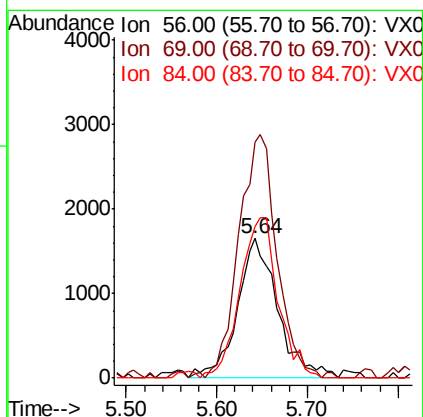
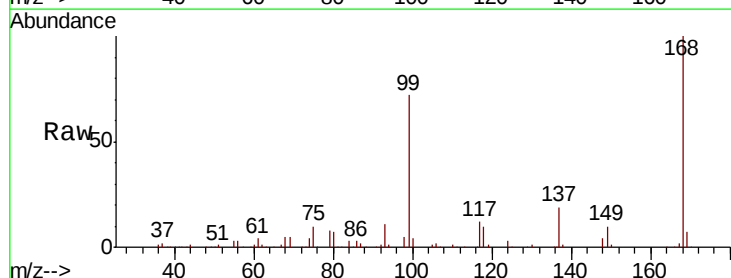
Instrument :
MSVOA_X
ClientSampled :
OK-02-082919

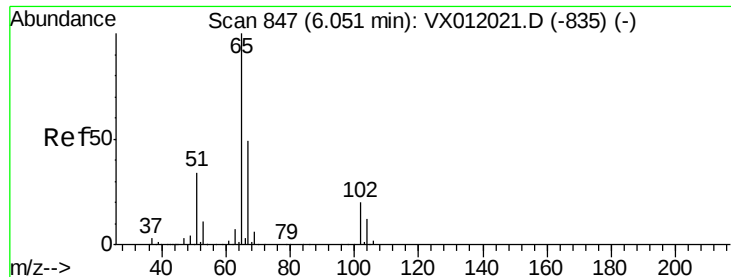
Tgt Ion: 42 Resp: 2947
Ion Ratio Lower Upper
42 100
72 51.4 37.0 55.4
71 54.6 33.8 50.8#



#31
Cyclohexane
Concen: 1.742 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012044.D
Acq: 04 Sep 2019 11:36

Tgt Ion: 56 Resp: 5142
Ion Ratio Lower Upper
56 100
69 168.8 25.7 38.5#
84 108.0 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 48.842 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012044.D

Acq: 04 Sep 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

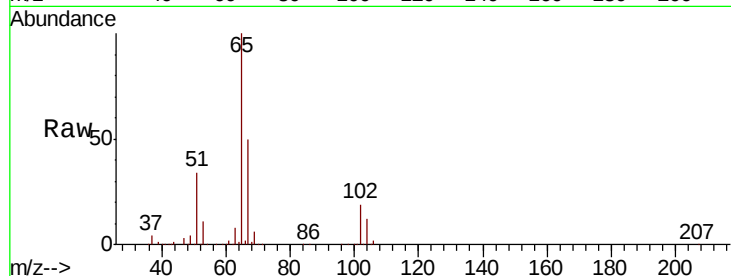
OK-02-082919

Tgt Ion: 65 Resp: 117617

Ion Ratio Lower Upper

65 100

67 49.8 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

50000

40000

30000

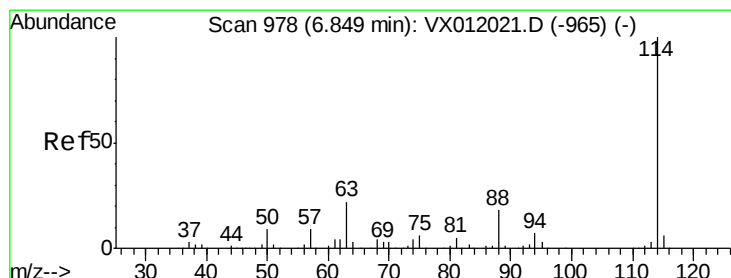
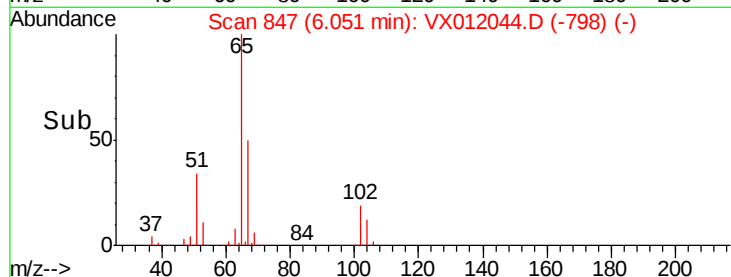
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012044.D

Acq: 04 Sep 2019 11:36

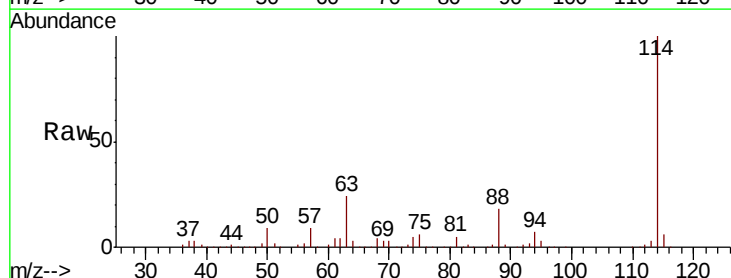
Tgt Ion: 114 Resp: 304559

Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.4

88 17.5 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

150000

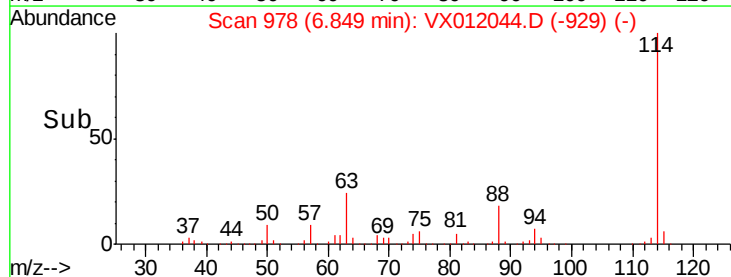
100000

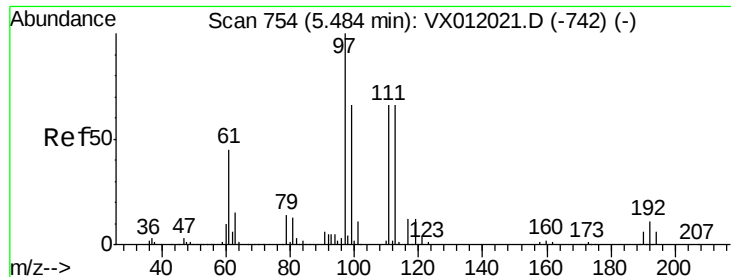
50000

0

Time-->

6.70 6.80 6.90 7.00

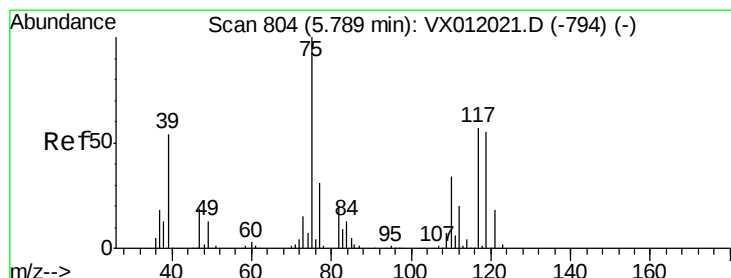
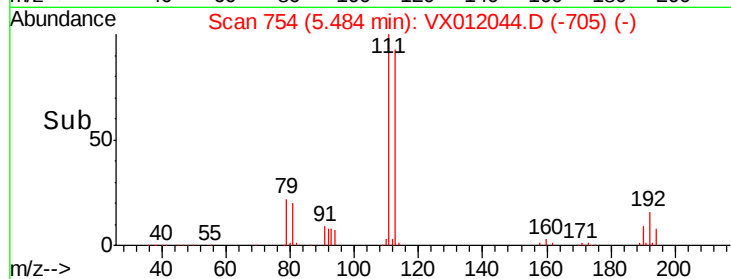
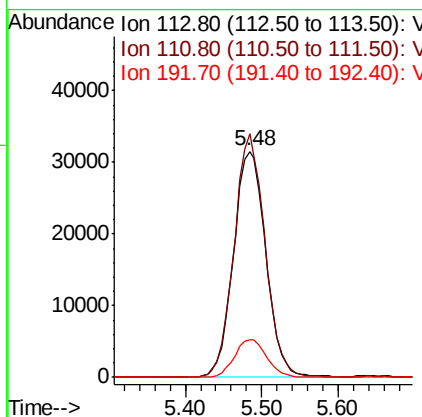
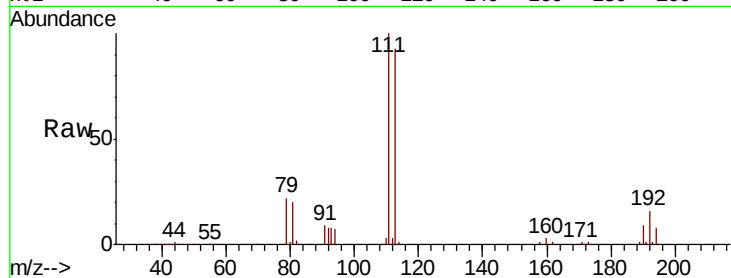




#35
 Dibromofluoromethane
 Concen: 49.426 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012044.D
 Acq: 04 Sep 2019 11:36

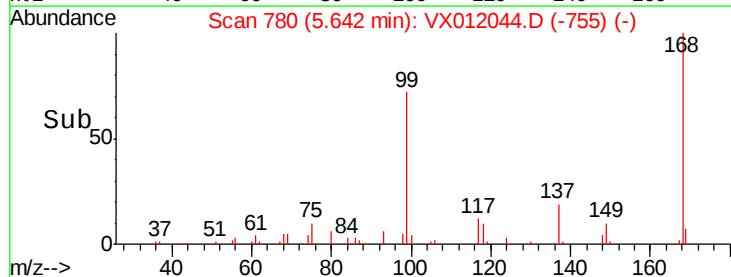
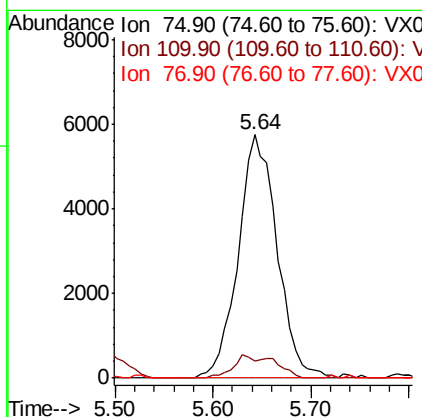
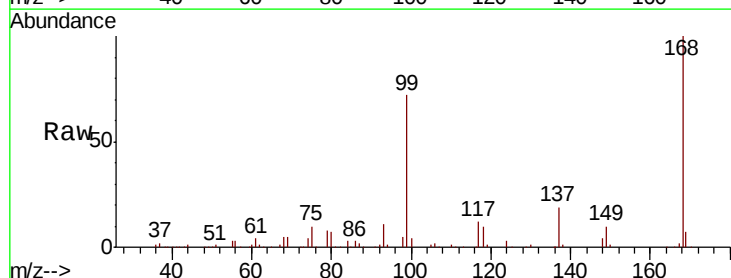
Instrument :
 MSVOA_X
 ClientSampleId :
 OK-02-082919

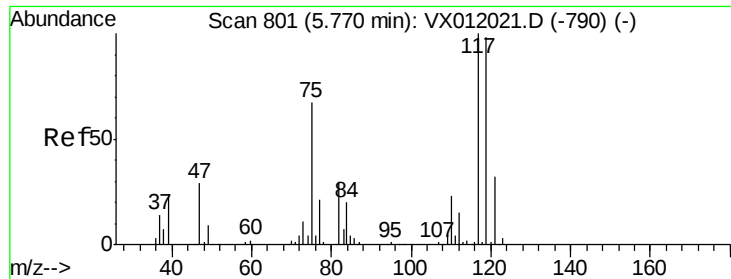
Tgt Ion:113 Resp: 92573
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.7 122.5
 192 16.6 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 5.907 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012044.D
 Acq: 04 Sep 2019 11:36

Tgt Ion: 75 Resp: 15845
 Ion Ratio Lower Upper
 75 100
 110 6.2 19.5 58.5#
 77 0.0 24.6 37.0#

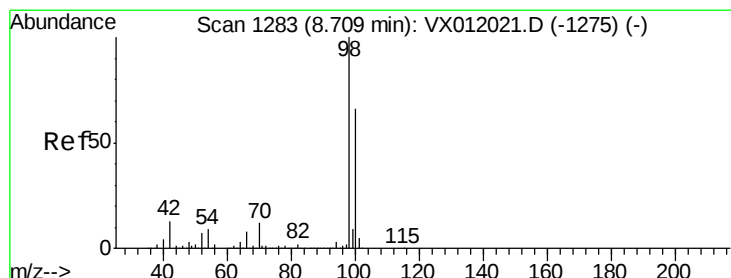
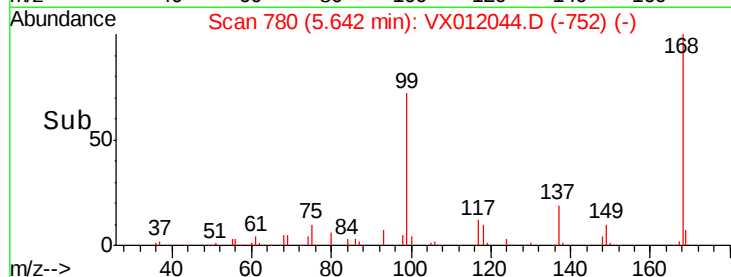
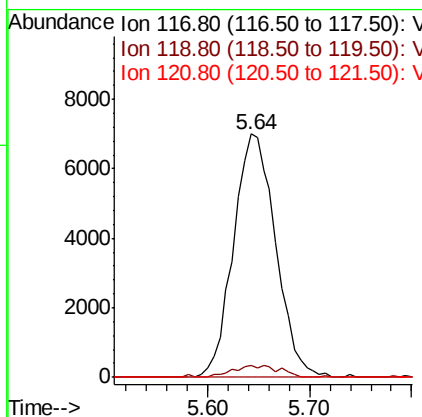
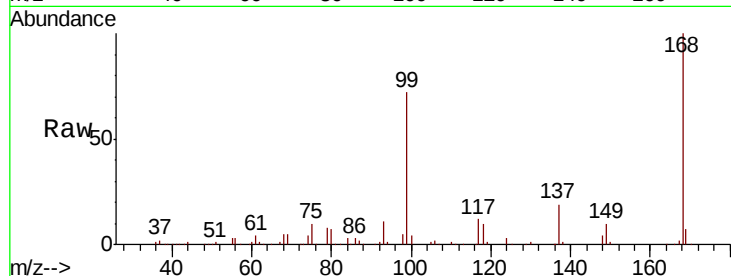




#38
Carbon Tetrachloride
Concen: 7.094 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012044.D
Acq: 04 Sep 2019 11:36

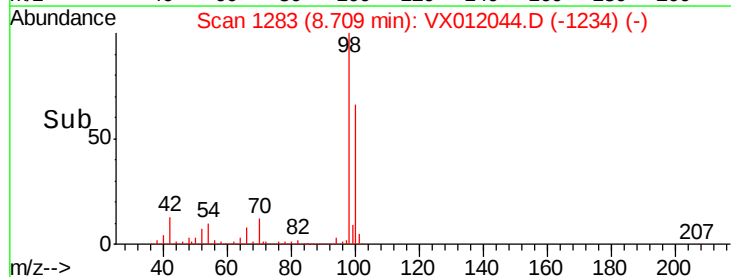
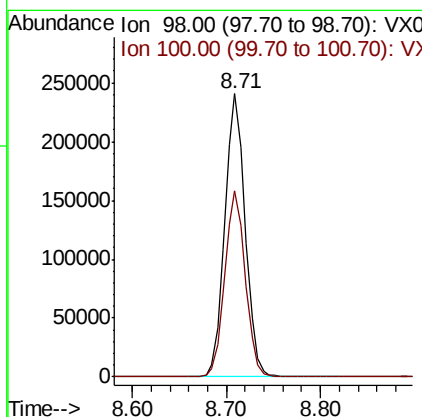
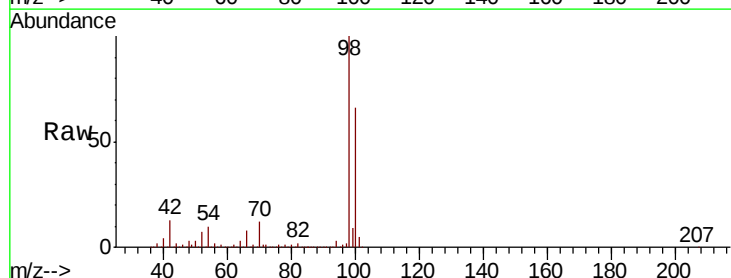
Instrument :
MSVOA_X
ClientSampleId :
OK-02-082919

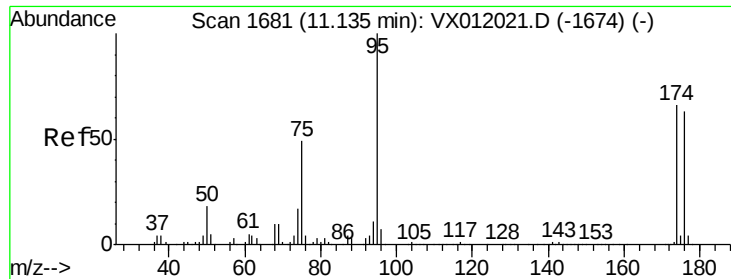
Tgt Ion: 117 Resp: 20050
Ion Ratio Lower Upper
117 100
119 4.8 78.3 117.5#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 52.529 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012044.D
Acq: 04 Sep 2019 11:36

Tgt Ion: 98 Resp: 361028
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9

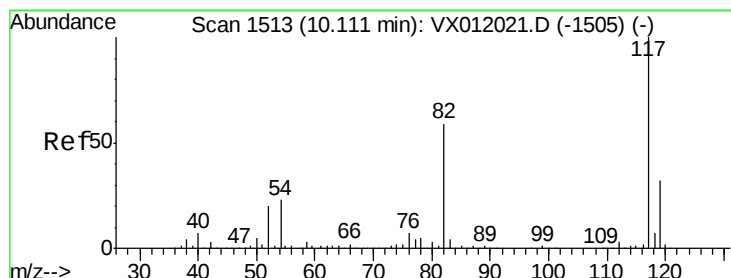
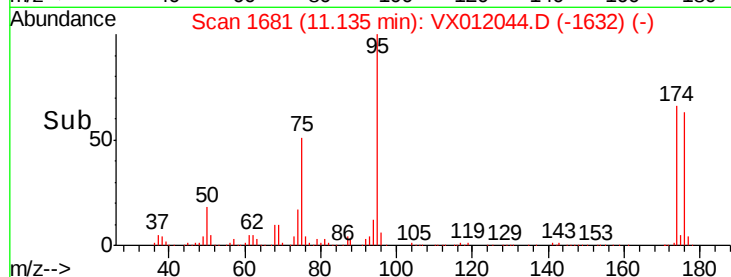
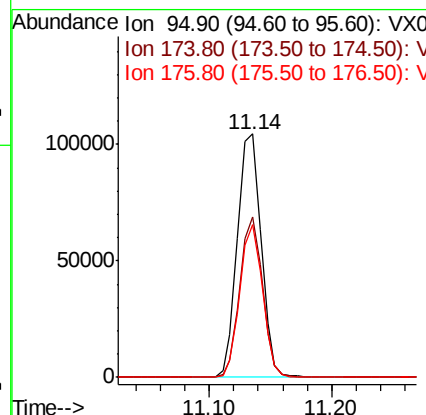
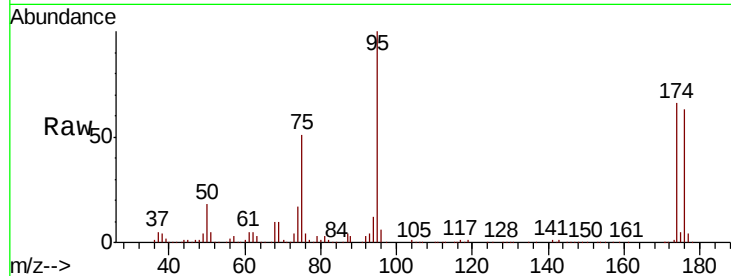




#62
4-Bromofluorobenzene
Concen: 43.736 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012044.D
Acq: 04 Sep 2019 11:36

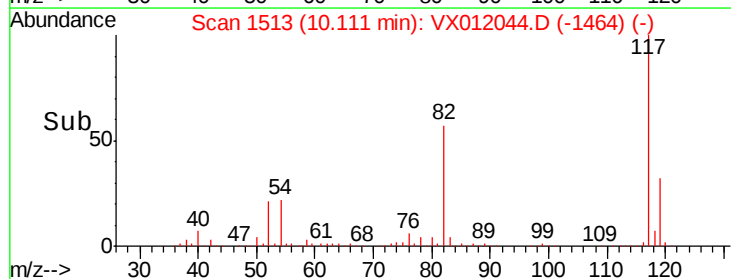
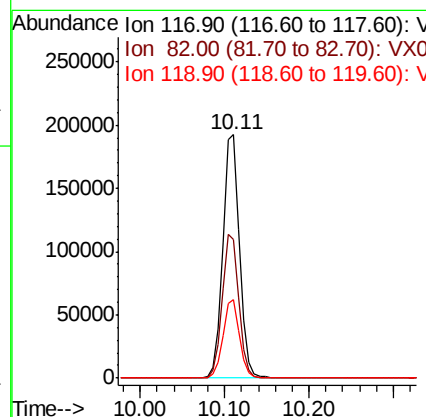
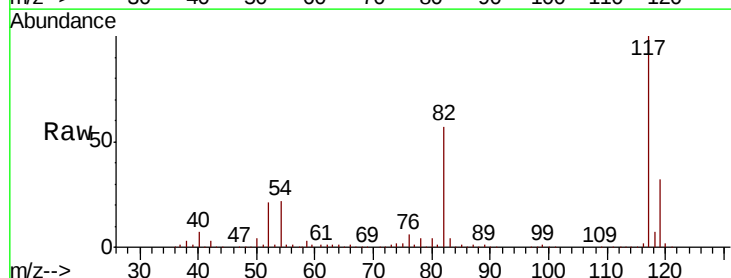
Instrument :
MSVOA_X
ClientSampled :
OK-02-082919

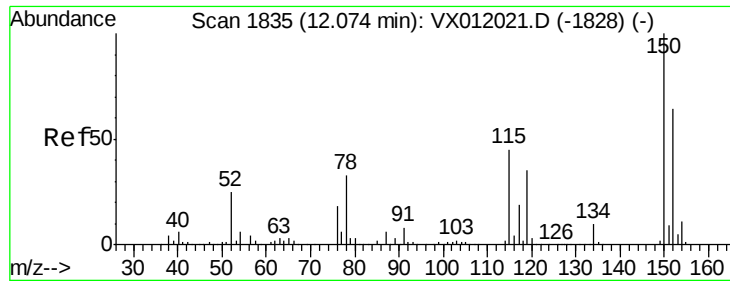
Tgt Ion: 95 Resp: 139794
Ion Ratio Lower Upper
95 100
174 63.3 0.0 205.4
176 60.3 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012044.D
Acq: 04 Sep 2019 11:36

Tgt Ion: 117 Resp: 264257
Ion Ratio Lower Upper
117 100
82 56.9 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: VX012044.D

Acq: 04 Sep 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

OK-02-082919

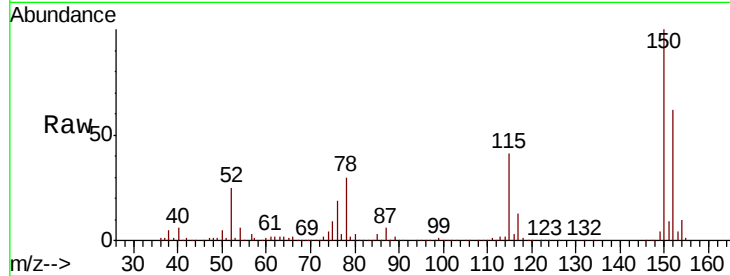
Tgt Ion:152 Resp: 106777

Ion Ratio Lower Upper

152 100

115 65.6 36.4 109.3

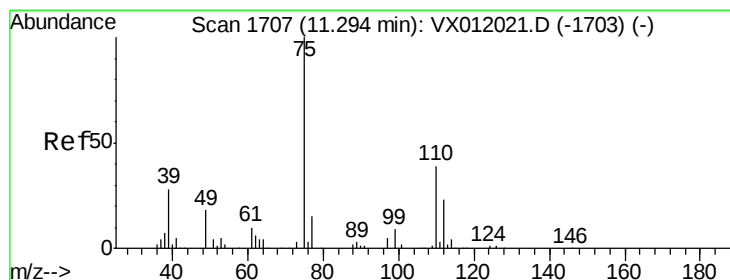
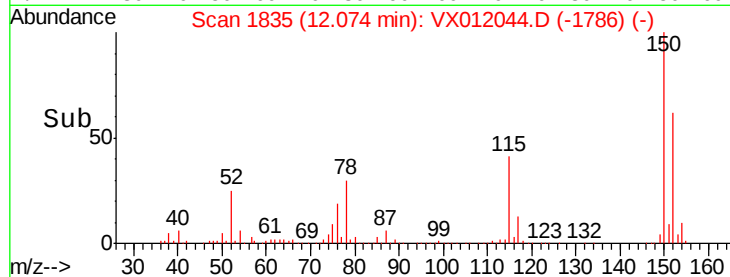
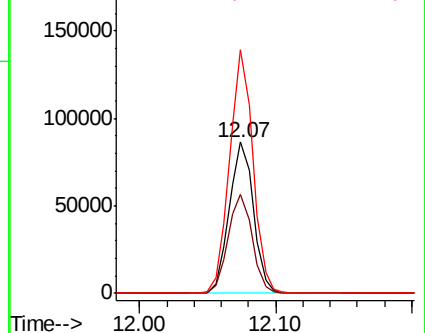
150 155.9 0.0 341.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 55.005 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012044.D

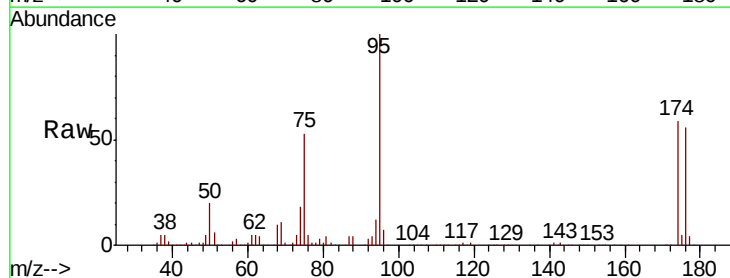
Acq: 04 Sep 2019 11:36

Tgt Ion: 75 Resp: 71762

Ion Ratio Lower Upper

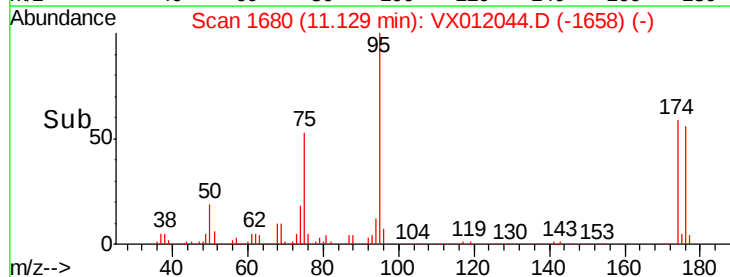
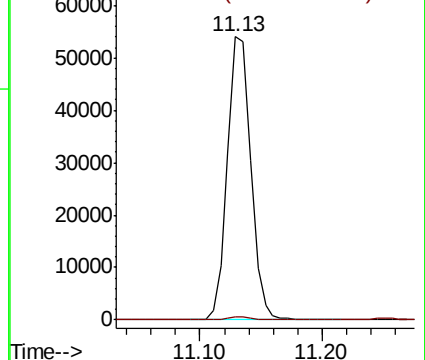
75 100

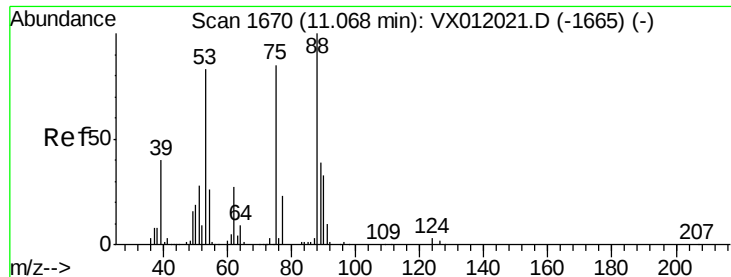
77 1.3 23.5 70.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 130.040 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012044.D

Acq: 04 Sep 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

OK-02-082919

Tgt Ion: 75 Resp: 71762

Ion Ratio Lower Upper

75 100

53 0.2 78.6 117.8#

89 0.0 38.8 58.2#

