

Data File : VX012199.D
Acq On : 08 Sep 2019 03:56
Operator : SY/SP
Sample : K4663-01
Misc : 5.78g/5.0mL/MSVOA_X/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OK-03-090519

Quant Time: Sep 08 07:50:31 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	150691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	258345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	217582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86871	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	103140	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	5.48	113	76872	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	8.71	98	303016	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	11.14	95	111466	41.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.22%	

Target Compounds

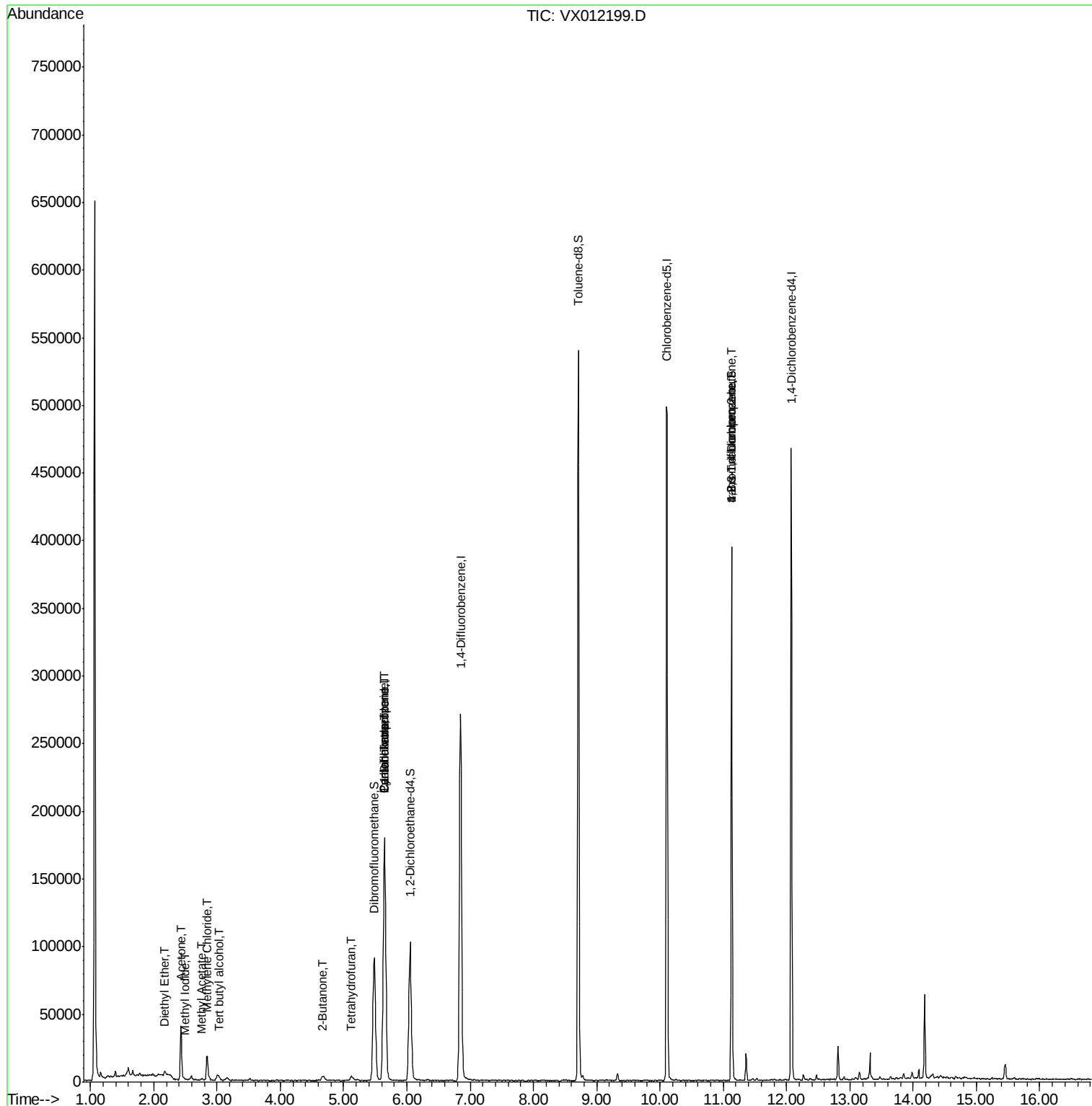
						Qvalue
8) Diethyl Ether	2.17	74	968	1.347	ug/l	72
10) Methyl Iodide	2.50	142	156	7.074	ug/l #	78
11) Tert butyl alcohol	3.02	59	4145	20.755	ug/l	96
13) Acrolein	2.28	56	103	Below Cal	#	15
16) Acetone	2.43	43	41488	83.480	ug/l	99
18) Methyl Acetate	2.76	43	2088	1.783	ug/l	97
20) Methylene Chloride	2.84	84	8641	4.330	ug/l	96
25) 2-Butanone	4.67	43	703	1.111	ug/l #	48
29) Tetrahydrofuran	5.13	42	3150	8.264	ug/l #	69
31) Cyclohexane	5.65	56	4130	1.620	ug/l #	23
36) 1,1-Dichloropropene	5.64	75	13793	6.062	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17390	7.253	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	59449	56.008	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	59449	132.412	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012199.D

Acq: 08 Sep 2019 03:56

Instrument :

MSVOA_X

ClientSampleId :

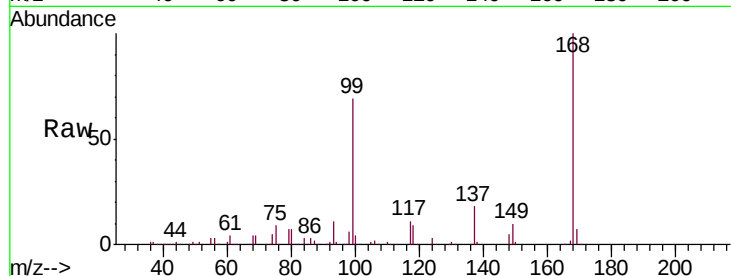
OK-03-090519

Tgt Ion:168 Resp: 150691

Ion Ratio Lower Upper

168 100

99 69.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

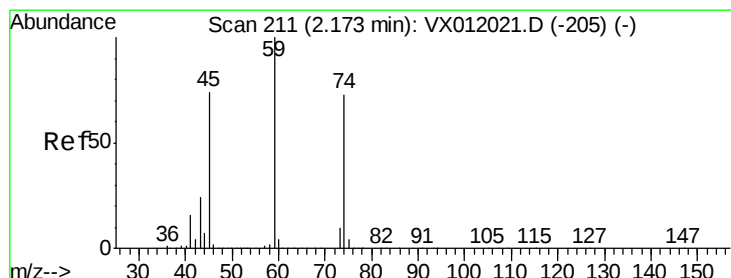
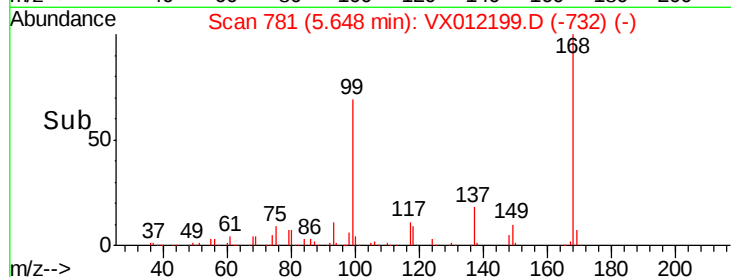
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.347 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012199.D

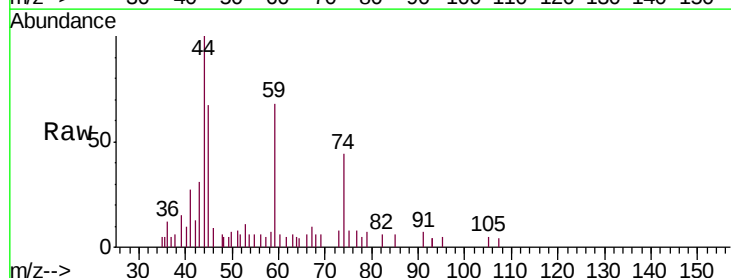
Acq: 08 Sep 2019 03:56

Tgt Ion: 74 Resp: 968

Ion Ratio Lower Upper

74 100

45 118.7 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1000

800

600

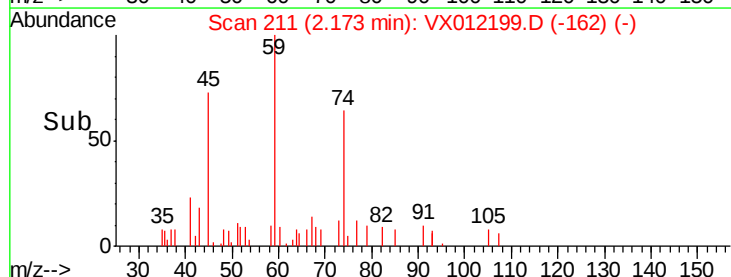
400

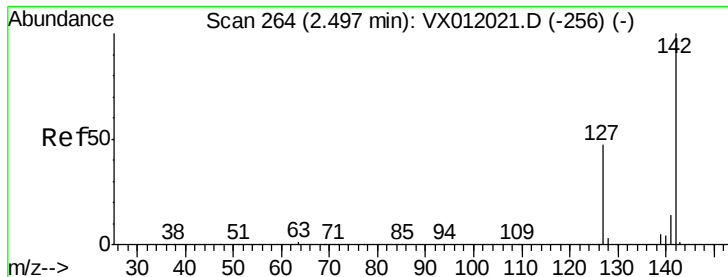
200

0

Time-->

2.15 2.20

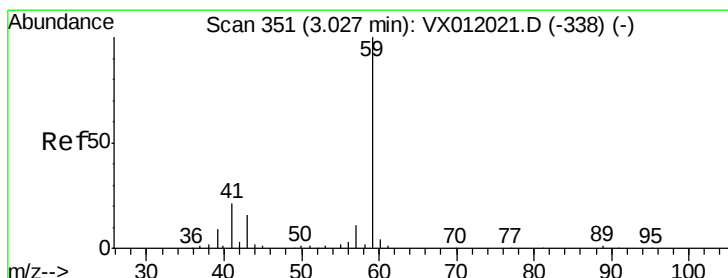
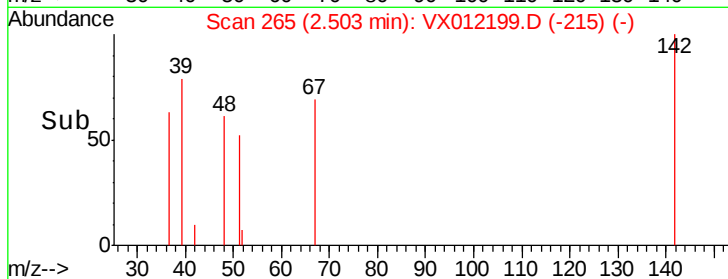
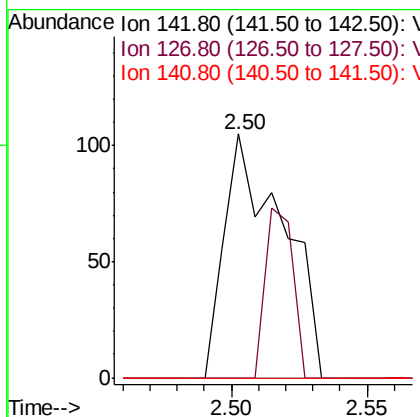
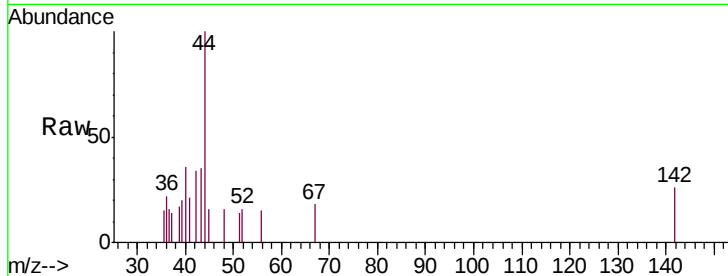




#10
Methyl Iodide
Concen: 7.074 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012199.D
Acq: 08 Sep 2019 03:56

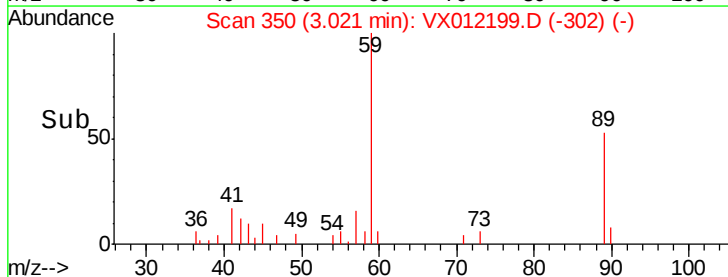
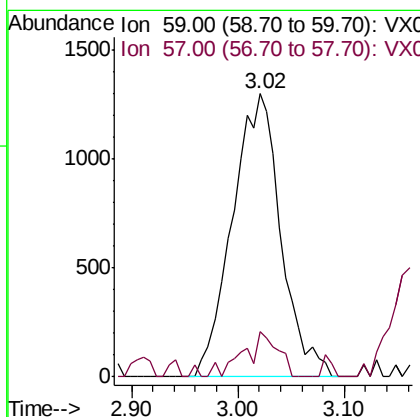
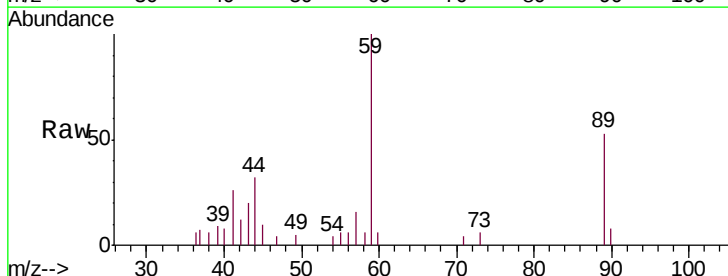
Instrument :
MSVOA_X
ClientSampleId :
OK-03-090519

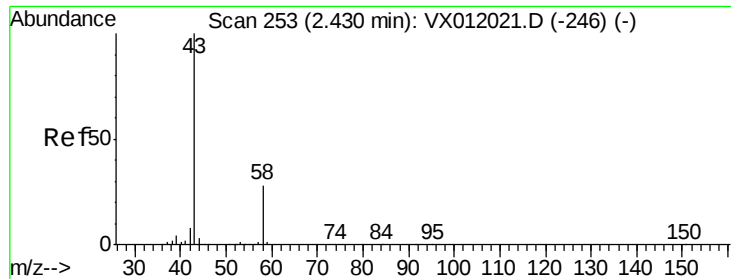
Tgt Ion: 142 Resp: 156
Ion Ratio Lower Upper
142 100
127 32.7 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 20.755 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012199.D
Acq: 08 Sep 2019 03:56

Tgt Ion: 59 Resp: 4145
Ion Ratio Lower Upper
59 100
57 11.3 7.9 11.9





#16

Acetone

Concen: 83.480 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012199.D

Acq: 08 Sep 2019 03:56

Instrument :

MSVOA_X

ClientSampleId :

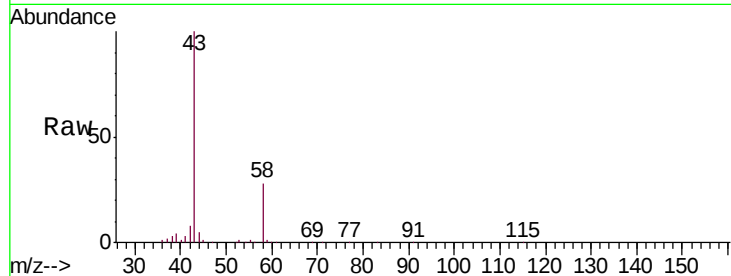
OK-03-090519

Tgt Ion: 43 Resp: 41488

Ion Ratio Lower Upper

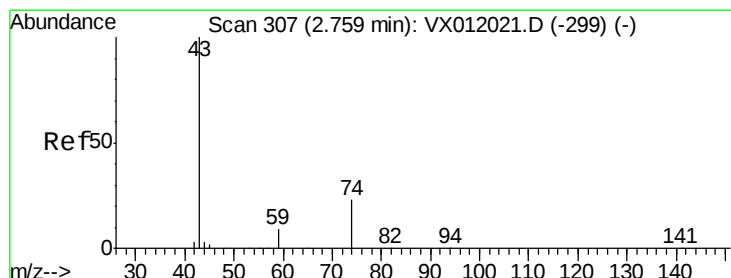
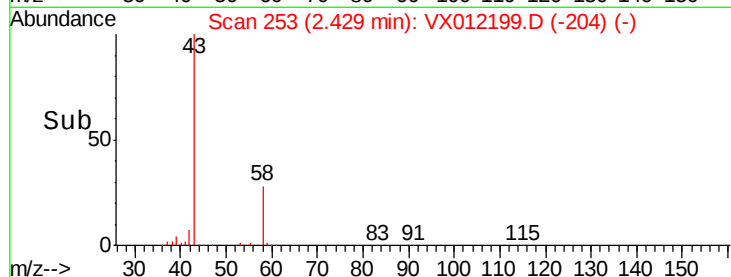
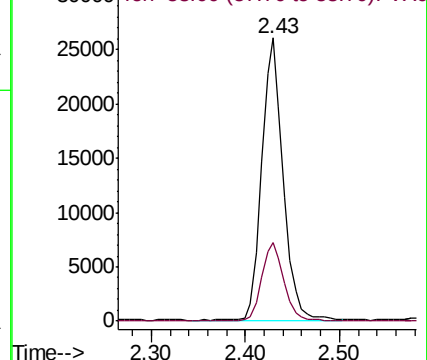
43 100

58 27.8 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.783 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX012199.D

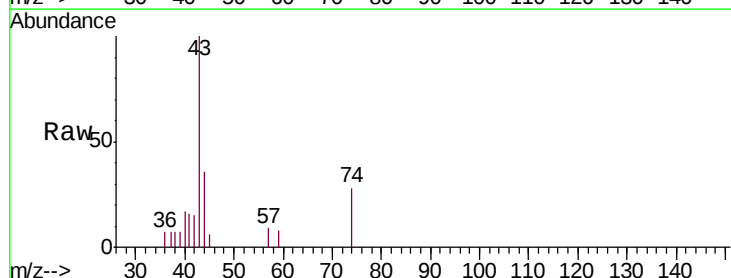
Acq: 08 Sep 2019 03:56

Tgt Ion: 43 Resp: 2088

Ion Ratio Lower Upper

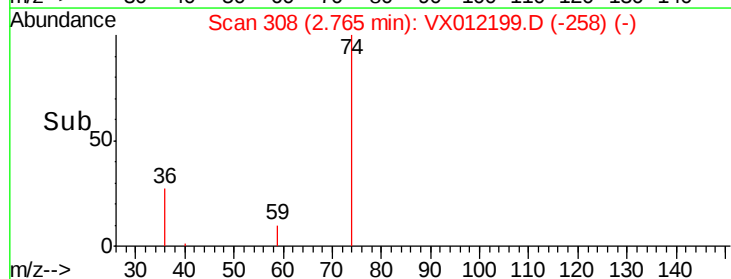
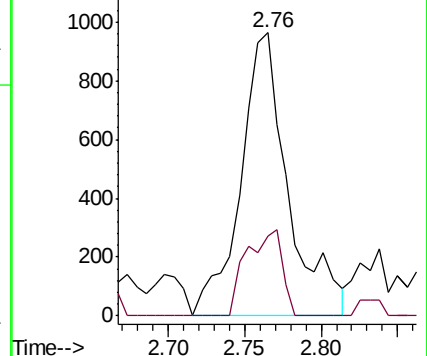
43 100

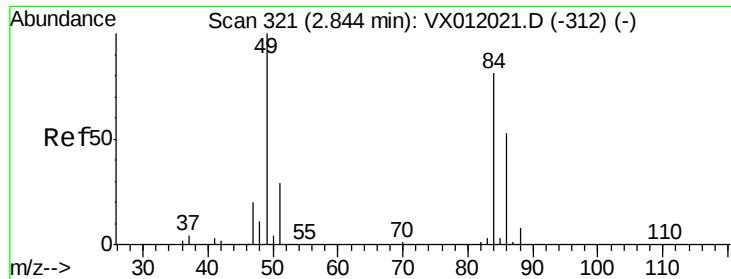
74 22.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

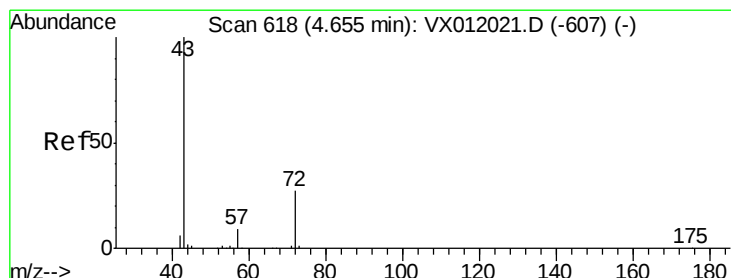
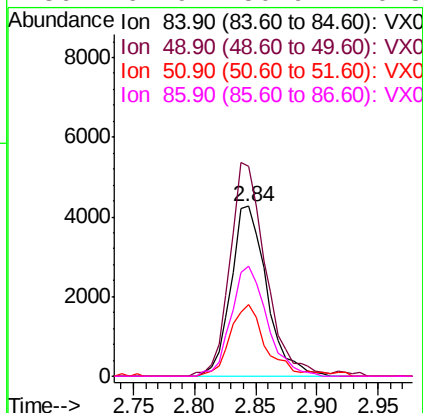
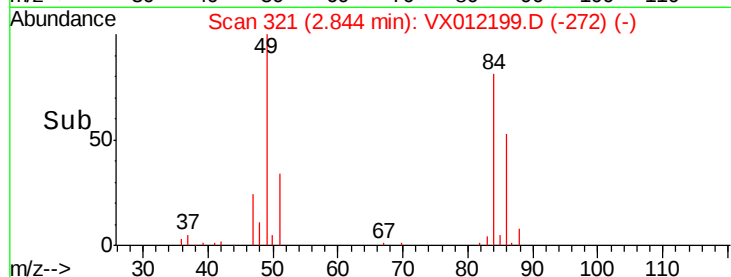
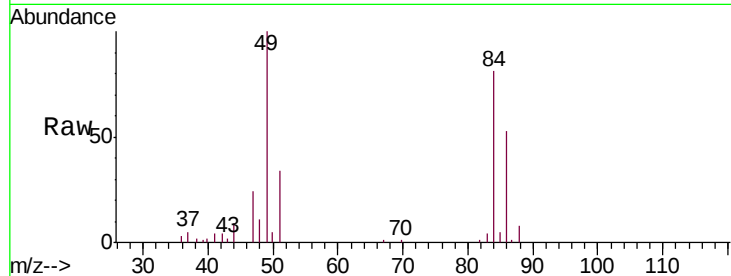




#20
Methylene Chloride
Concen: 4.330 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012199.D
Acq: 08 Sep 2019 03:56

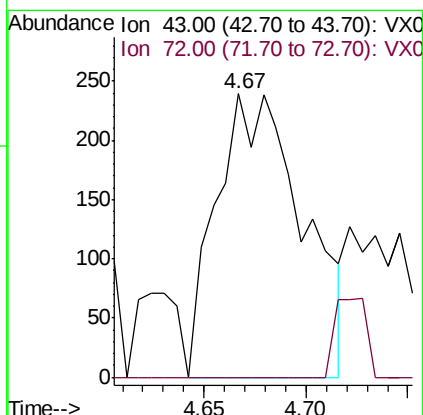
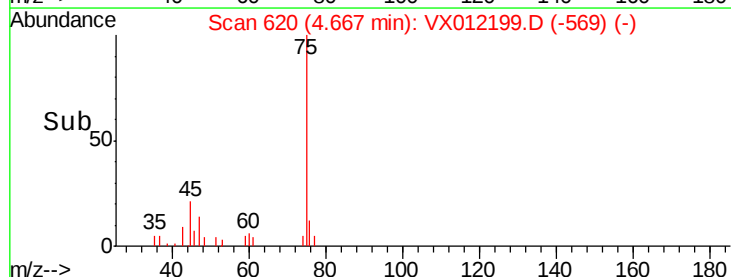
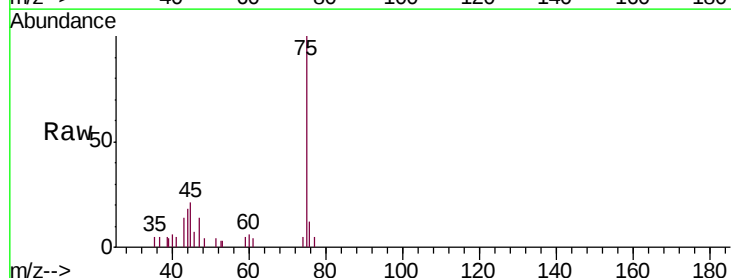
Instrument :
MSVOA_X
ClientSampleId :
OK-03-090519

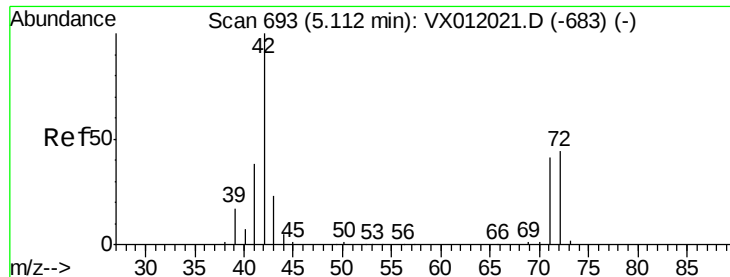
Tgt Ion:	84	Resp:	8641
Ion	Ratio	Lower	Upper
84	100		
49	123.6	95.8	143.8
51	42.2	28.6	43.0
86	64.9	50.9	76.3



#25
2-Butanone
Concen: 1.111 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX012199.D
Acq: 08 Sep 2019 03:56

Tgt Ion:	43	Resp:	703
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.3	31.9#

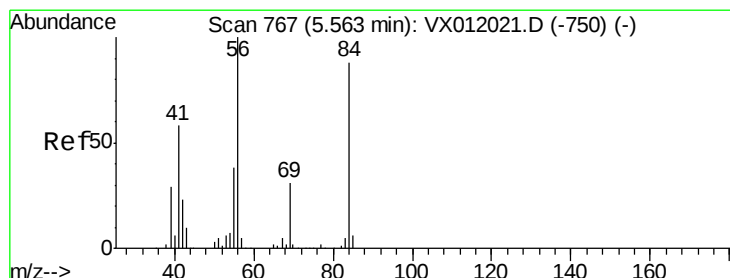
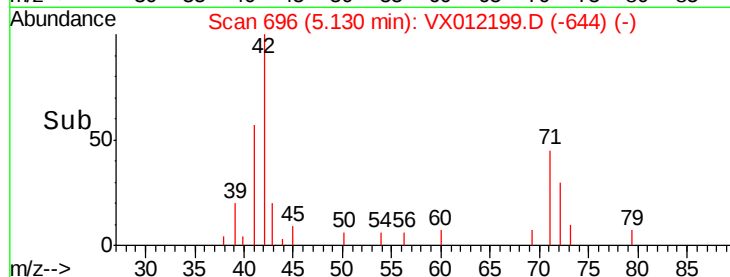
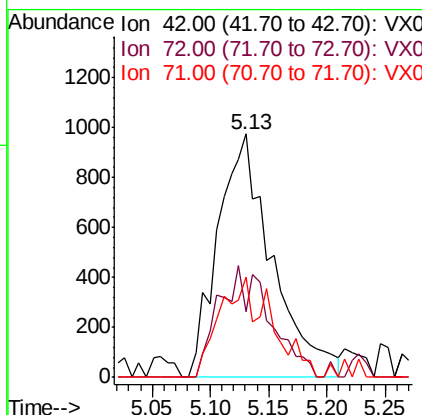
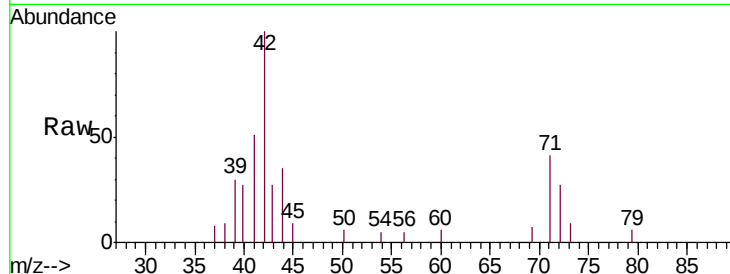




#29
Tetrahydrofuran
Concen: 8.264 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012199.D
Acq: 08 Sep 2019 03:56

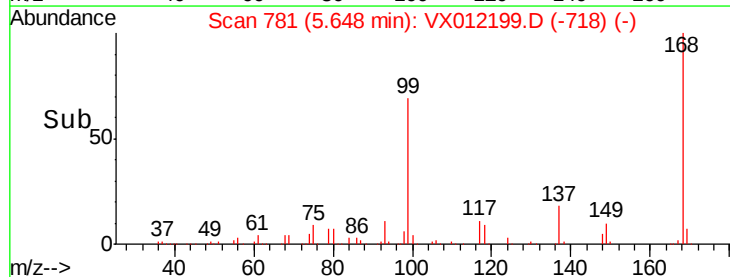
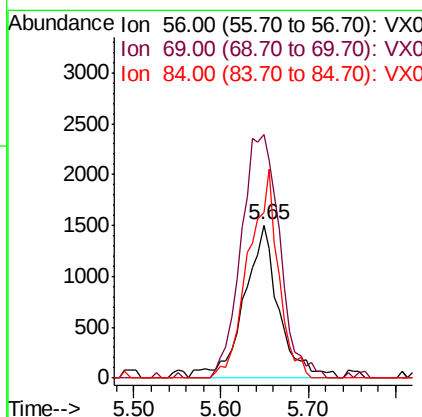
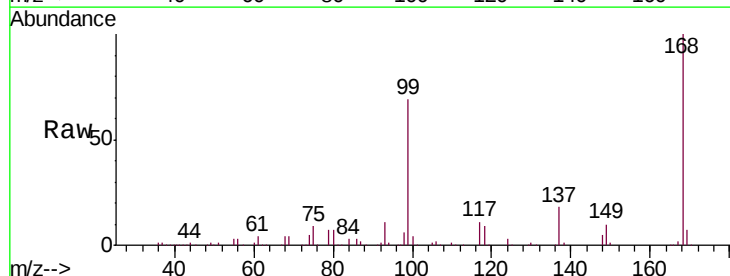
Instrument :
MSVOA_X
ClientSampleId :
OK-03-090519

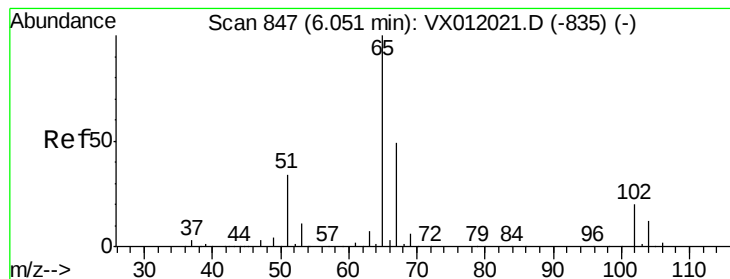
Tgt Ion: 42 Resp: 3150
Ion Ratio Lower Upper
42 100
72 22.6 37.0 55.4#
71 26.4 33.8 50.8#



#31
Cyclohexane
Concen: 1.620 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.09 min
Lab File: VX012199.D
Acq: 08 Sep 2019 03:56

Tgt Ion: 56 Resp: 4130
Ion Ratio Lower Upper
56 100
69 159.4 25.7 38.5#
84 108.6 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 49.605 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012199.D

Acq: 08 Sep 2019 03:56

Instrument :

MSVOA_X

ClientSampleId :

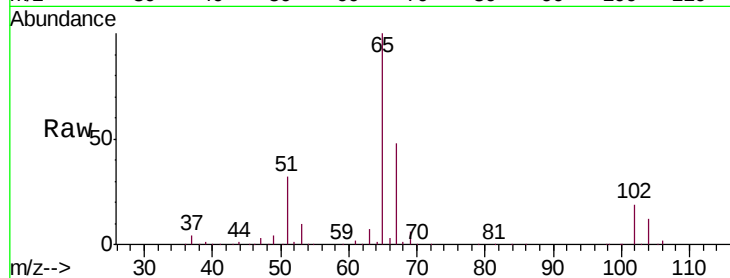
OK-03-090519

Tgt Ion: 65 Resp: 103140

Ion Ratio Lower Upper

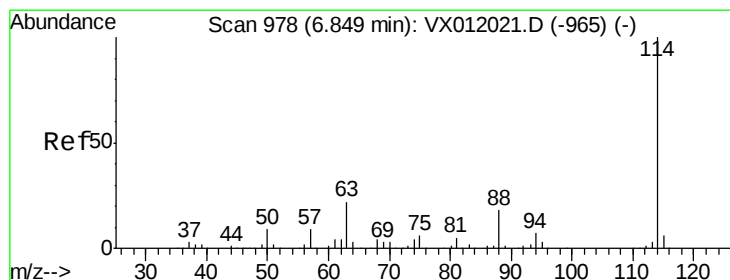
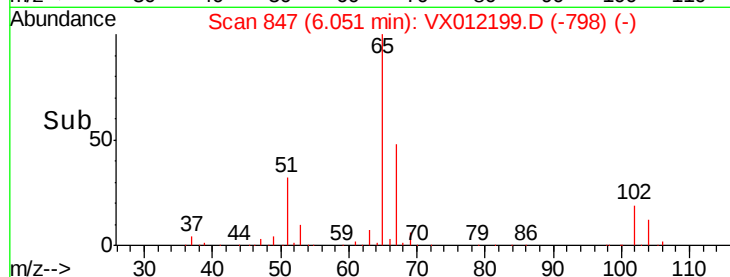
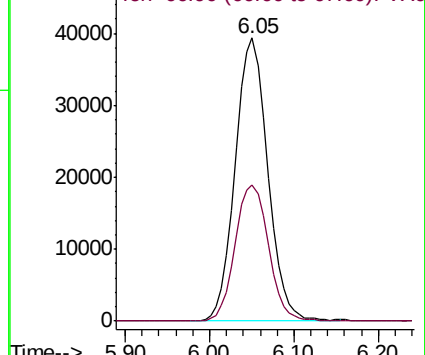
65 100

67 49.5 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: VX012199.D

Acq: 08 Sep 2019 03:56

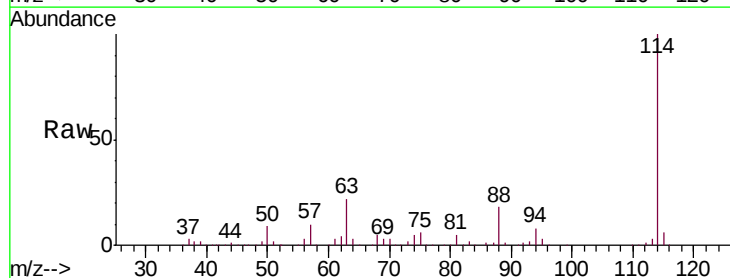
Tgt Ion: 114 Resp: 258345

Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.4

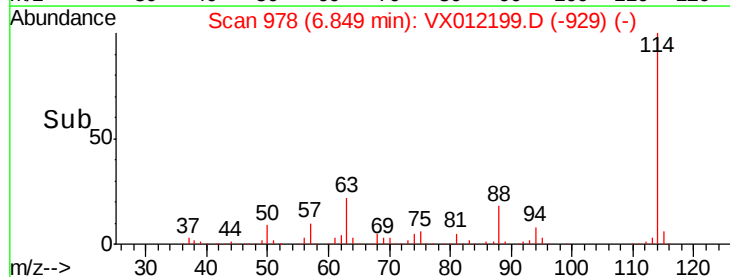
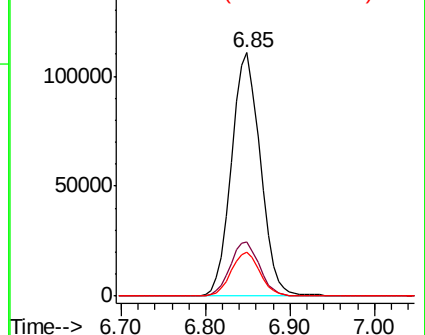
88 18.0 0.0 29.6

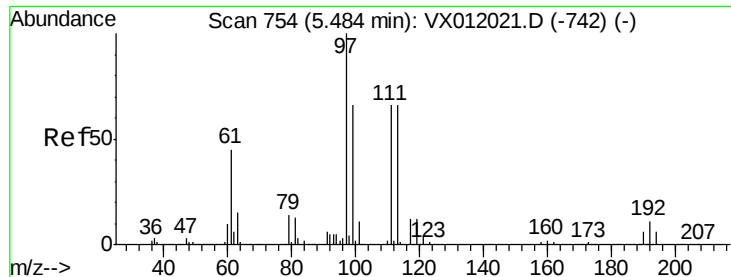


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

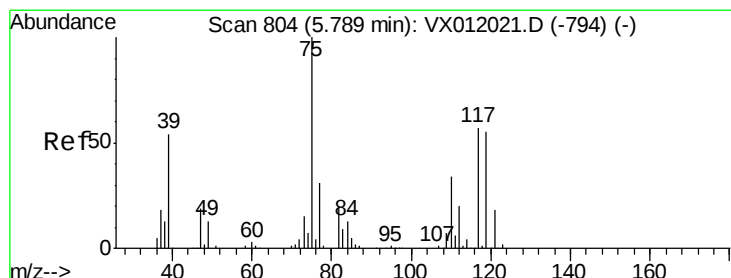
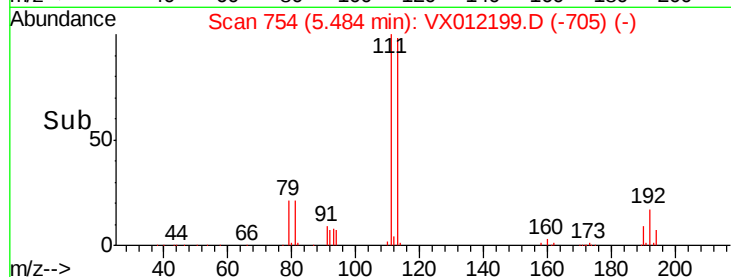
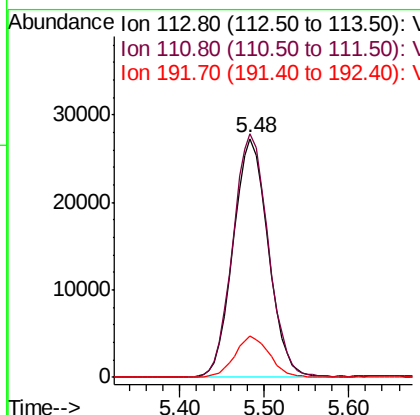
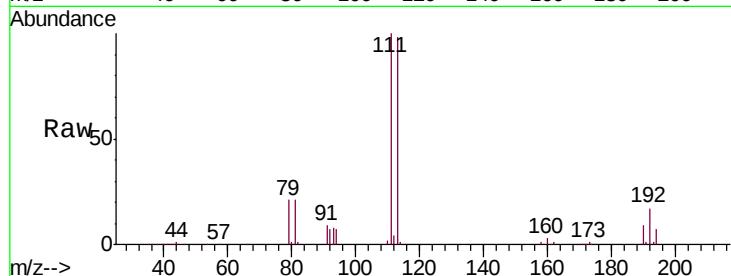




#35
 Dibromofluoromethane
 Concen: 48.385 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012199.D
 Acq: 08 Sep 2019 03:56

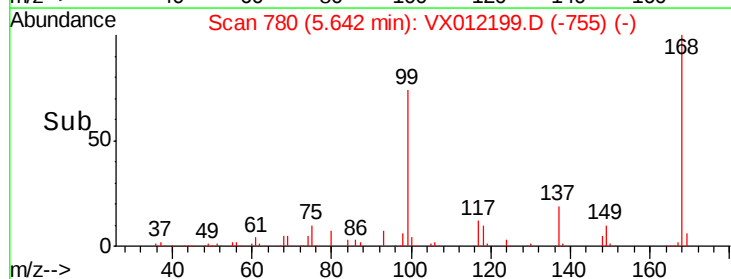
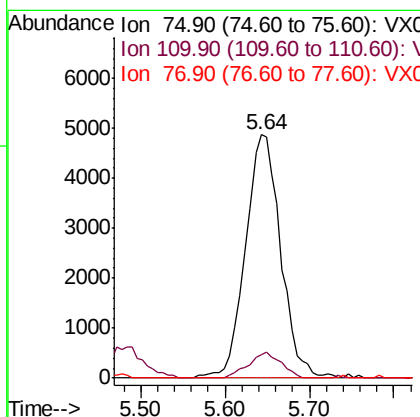
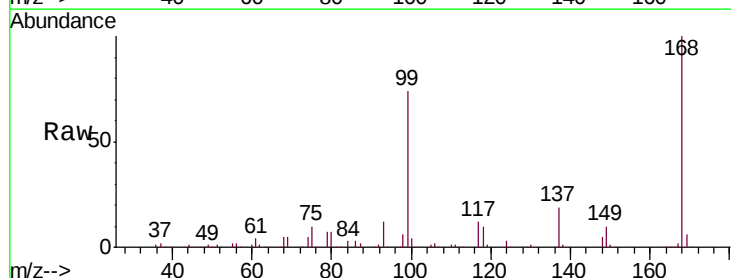
Instrument :
 MSVOA_X
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 OK-03-090519

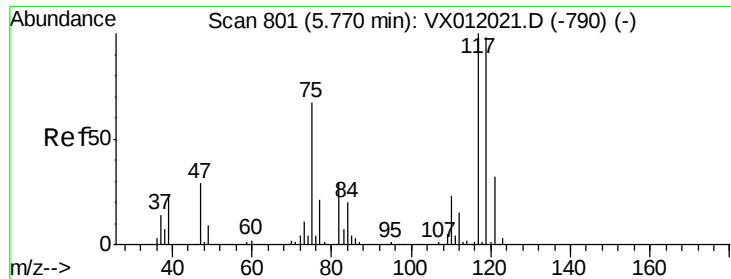
Tgt Ion:113 Resp: 76872
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.7 122.5
 192 16.9 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 6.062 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012199.D
 Acq: 08 Sep 2019 03:56

Tgt Ion: 75 Resp: 13793
 Ion Ratio Lower Upper
 75 100
 110 9.9 19.5 58.5#
 77 0.0 24.6 37.0#

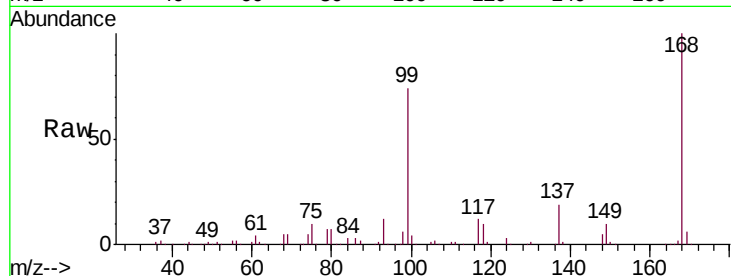




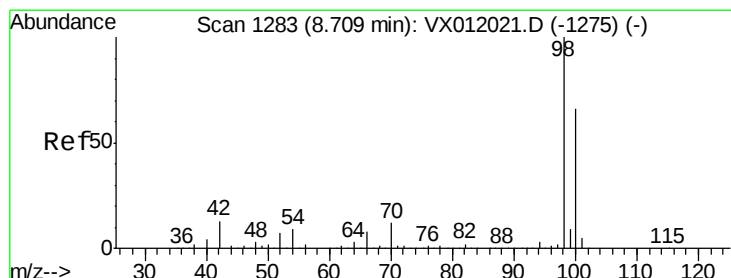
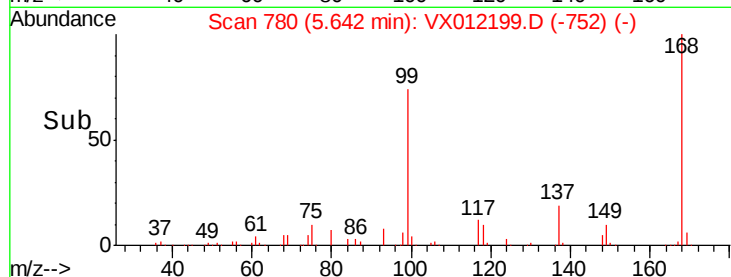
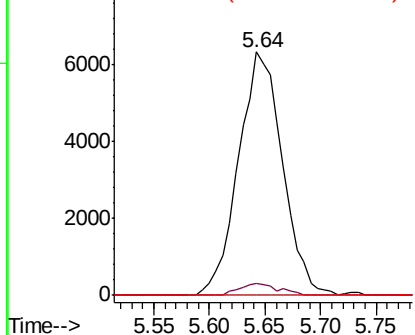
#38
Carbon Tetrachloride
Concen: 7.253 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012199.D
Acq: 08 Sep 2019 03:56

Instrument :
MSVOA_X
ClientSampleId :
OK-03-090519

Tgt Ion:117 Resp: 17390
Ion Ratio Lower Upper
117 100
119 4.7 78.3 117.5#
121 0.0 24.2 36.2#

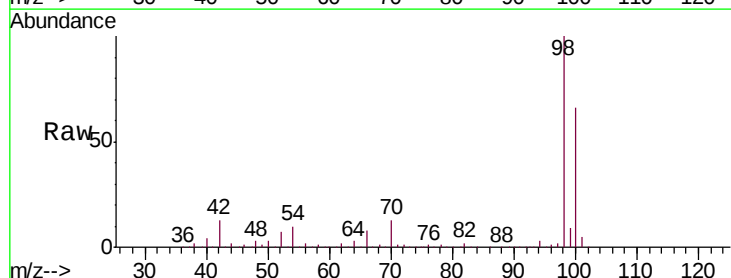


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

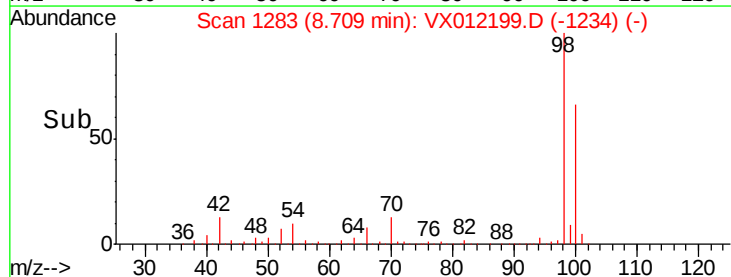
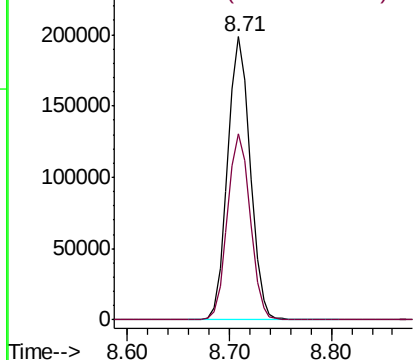


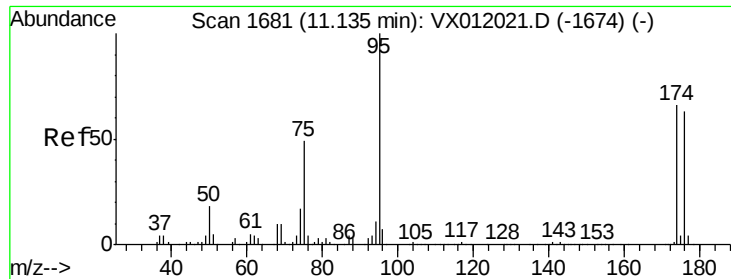
#50
Toluene-d8
Concen: 51.975 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012199.D
Acq: 08 Sep 2019 03:56

Tgt Ion: 98 Resp: 303016
Ion Ratio Lower Upper
98 100
100 66.3 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: 41.112 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012199.D

Acq: 08 Sep 2019 03:56

Instrument :

MSVOA_X

ClientSampleId :

OK-03-090519

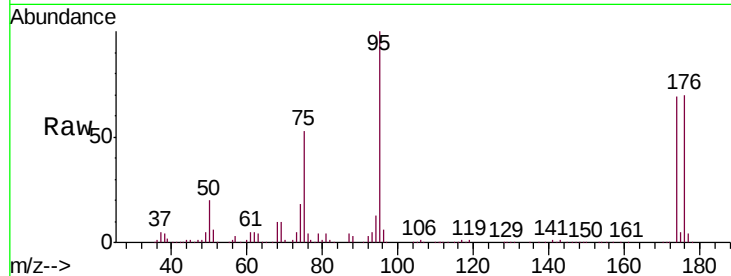
Tgt Ion: 95 Resp: 111466

Ion Ratio Lower Upper

95 100

174 64.9 0.0 205.4

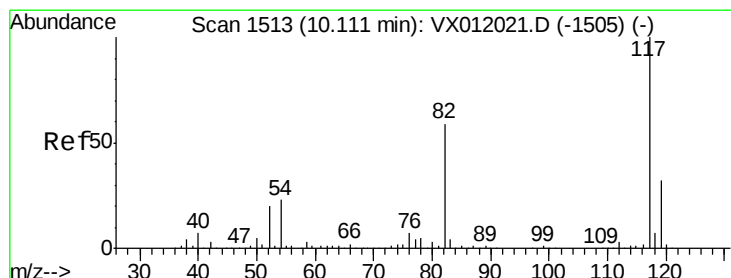
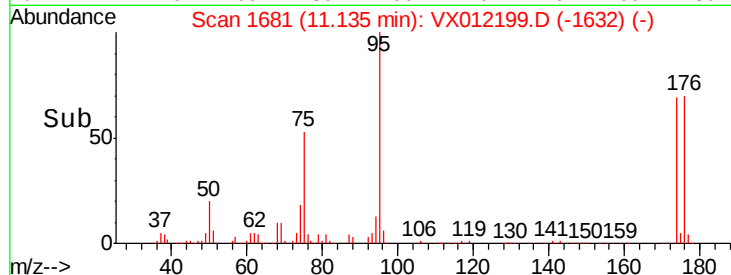
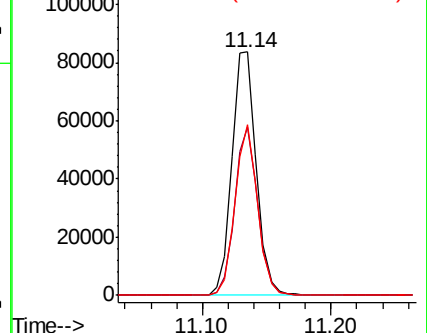
176 64.5 0.0 201.8



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: VX012199.D

Acq: 08 Sep 2019 03:56

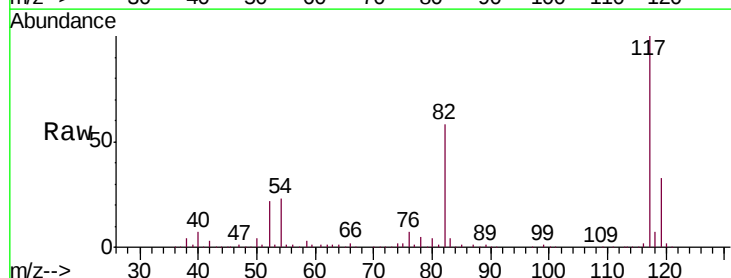
Tgt Ion: 117 Resp: 217582

Ion Ratio Lower Upper

117 100

82 58.2 39.4 59.0

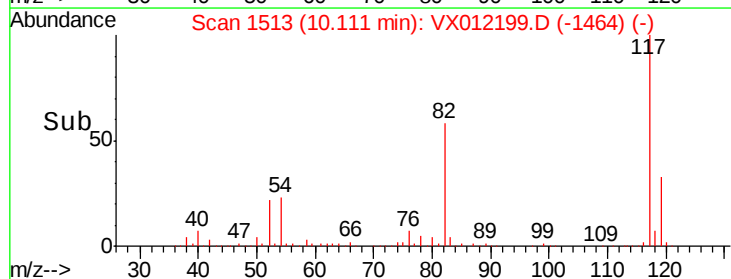
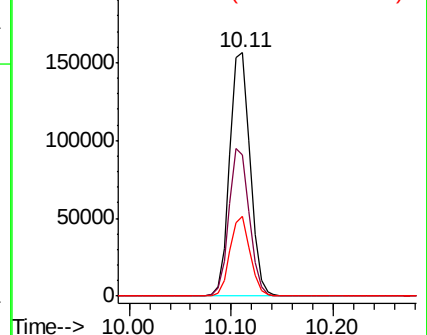
119 32.7 26.1 39.1

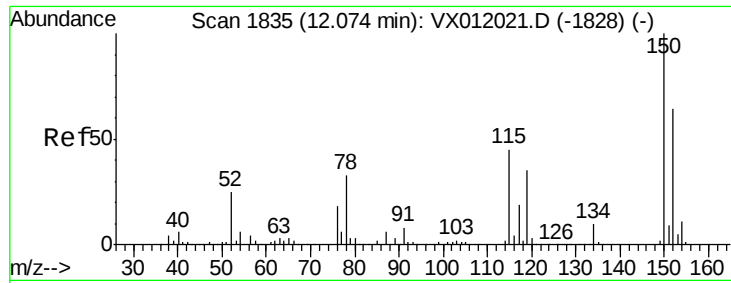


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012199.D

Acq: 08 Sep 2019 03:56

Instrument :

MSVOA_X

ClientSampleId :

OK-03-090519

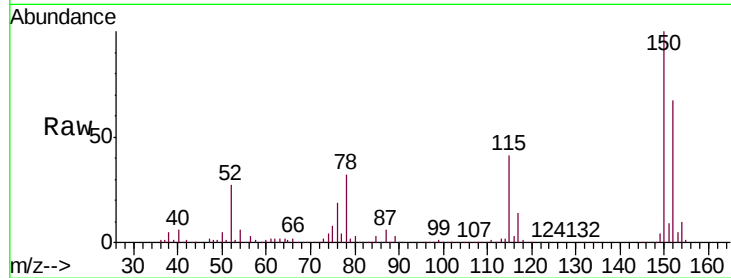
Tgt Ion:152 Resp: 86871

Ion Ratio Lower Upper

152 100

115 64.5 36.4 109.3

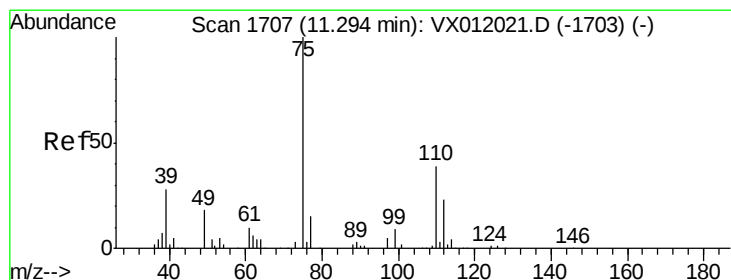
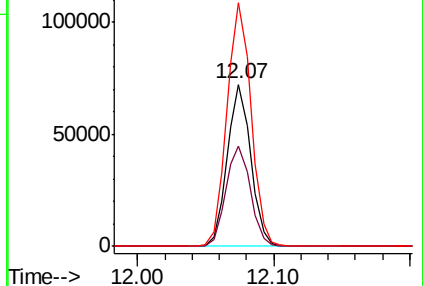
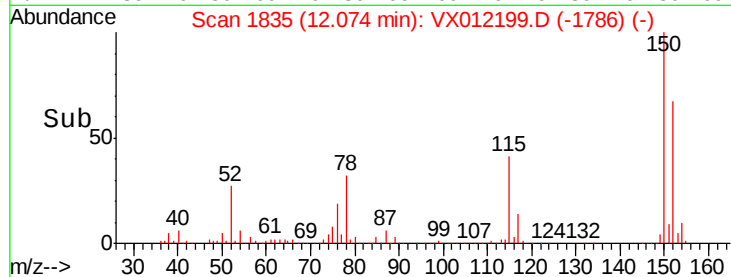
150 154.7 0.0 341.2



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: 56.008 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012199.D

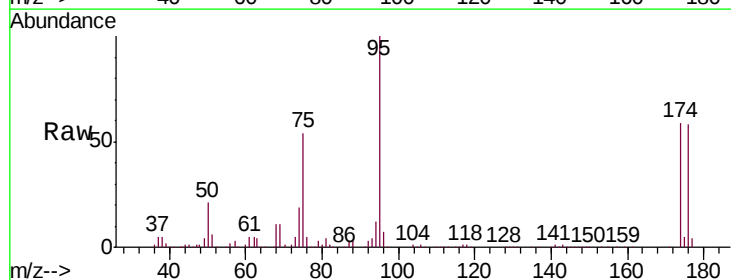
Acq: 08 Sep 2019 03:56

Tgt Ion: 75 Resp: 59449

Ion Ratio Lower Upper

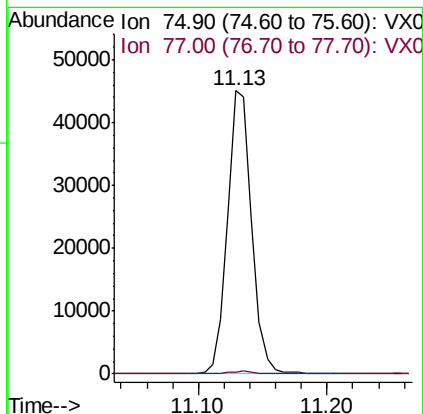
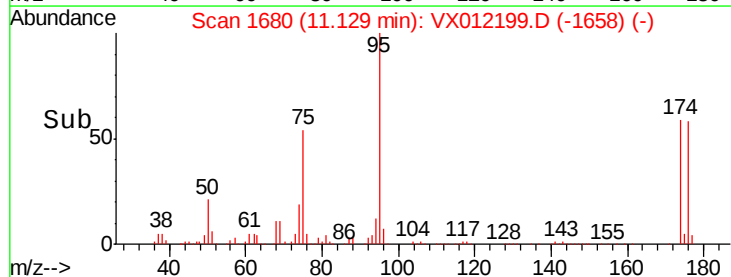
75 100

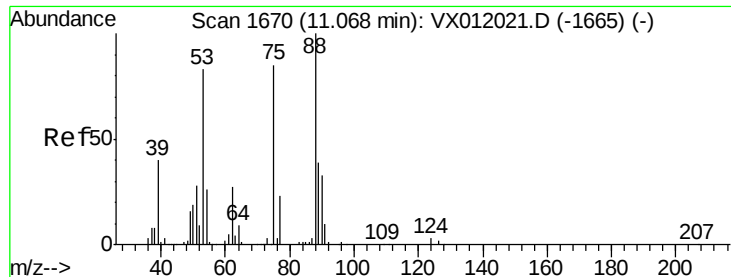
77 1.2 23.5 70.5#



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: 132.412 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012199.D
 Acq: 08 Sep 2019 03:56

Instrument :
 MSVOA_X
 ClientSampleId :
 OK-03-090519

Tgt Ion: 75 Resp: 59449
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 117.8#
 89 0.1 38.8 58.2#

