

Data File : VX010572.D
Acq On : 29 Jun 2019 06:35
Operator : JC/SP
Sample : K3158-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OK-02-062719

Quant Time: Jul 01 03:55:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386130	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	360561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167194	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	120763	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
35) Dibromofluoromethane	5.50	113	116328	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	8.71	98	466061	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	11.13	95	157952	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	

Target Compounds

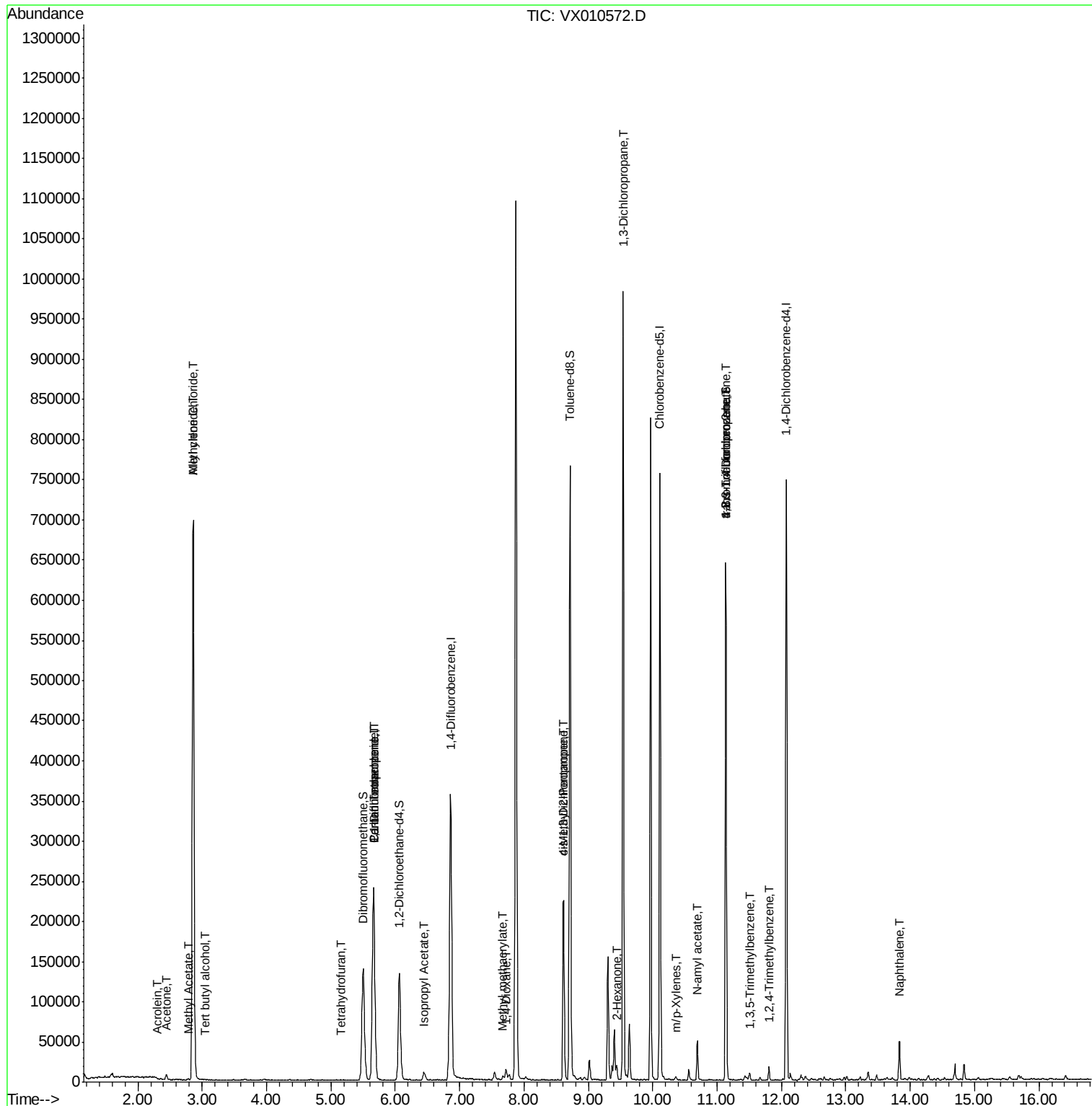
						Qvalue
11) Tert butyl alcohol	3.04	59	592	0.977	ug/l #	91
13) Acrolein	2.30	56	126	0.314	ug/l #	76
14) Allyl chloride	2.85	41	12786	4.208	ug/l #	26
16) Acetone	2.45	43	7022	6.053	ug/l	97
18) Methyl Acetate	2.78	43	1963	0.849	ug/l	92
20) Methylene Chloride	2.86	84	355308	148.822	ug/l	97
29) Tetrahydrofuran	5.16	42	615	0.583	ug/l #	60
36) 1,1-Dichloropropene	5.66	75	15737	5.129	ug/l #	48
38) Carbon Tetrachloride	5.67	117	21793	6.559	ug/l #	15
43) Isopropyl Acetate	6.45	43	13959	2.673	ug/l	97
48) Methyl methacrylate	7.68	41	7005	2.886	ug/l #	9
49) 1,4-Dioxane	7.72	88	50	0.715	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	72710	21.768	ug/l #	47
54) cis-1,3-Dichloropropene	8.62	75	39602	10.240	ug/l #	62
57) 1,3-Dichloropropane	9.54	76	9058	2.247	ug/l #	44
59) 2-Hexanone	9.44	43	10766	4.095	ug/l #	22
68) m/p-Xylenes	10.36	106	1007	0.210	ug/l	99
74) N-amyl acetate	10.69	43	10690	2.496	ug/l #	53
76) 1,2,3-Trichloropropane	11.13	75	75584	24.808	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.51	105	3803	0.407	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.13	75	75584	57.875	ug/l #	16
84) 1,2,4-Trimethylbenzene	11.80	105	6885	0.733	ug/l	96
95) Naphthalene	13.83	128	31188	2.666	ug/l	98

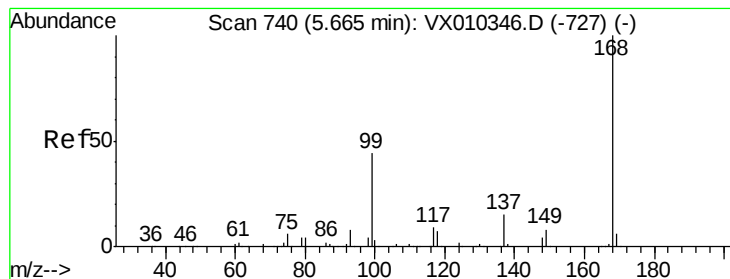
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX010572.D
Acq On : 29 Jun 2019 06:35
Operator : JC/SP
Sample : K3158-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OK-02-062719

Quant Time: Jul 01 03:55:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010572.D

Acq: 29 Jun 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

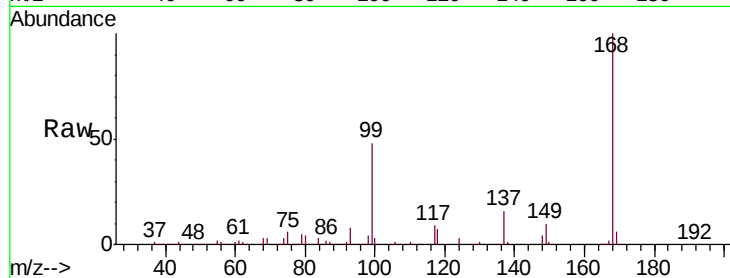
OK-02-062719

Tgt Ion:168 Resp: 246890

Ion Ratio Lower Upper

168 100

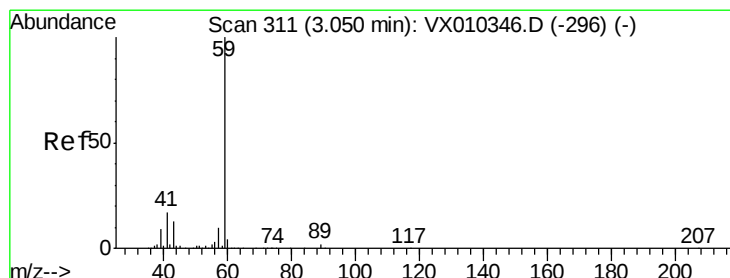
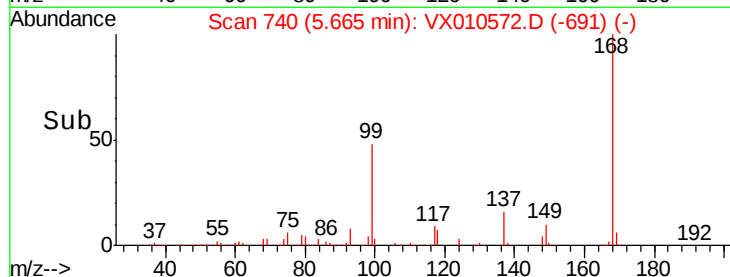
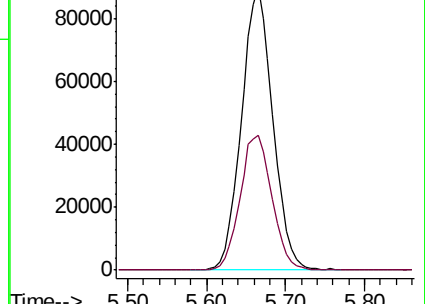
99 47.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): VX010346.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX010346.D (-727) (-)

5.67



#11

Tert butyl alcohol

Concen: 0.977 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010572.D

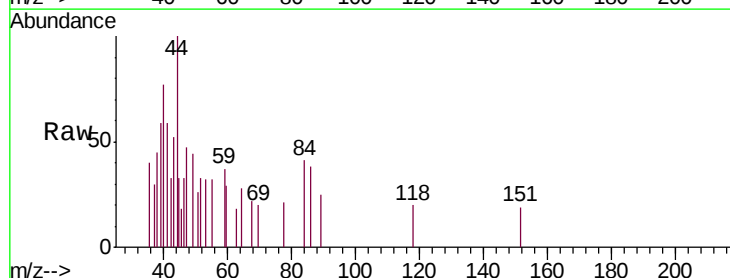
Acq: 29 Jun 2019 06:35

Tgt Ion: 59 Resp: 592

Ion Ratio Lower Upper

59 100

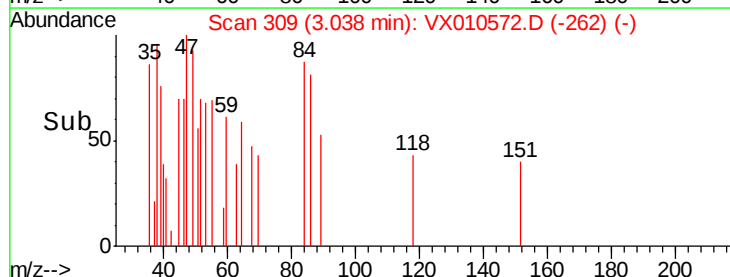
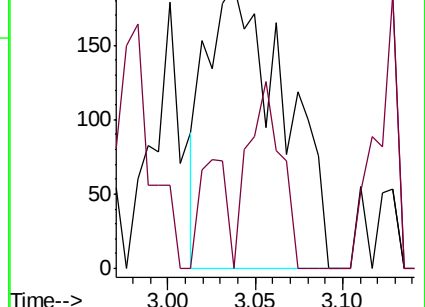
57 13.0 7.7 11.5#

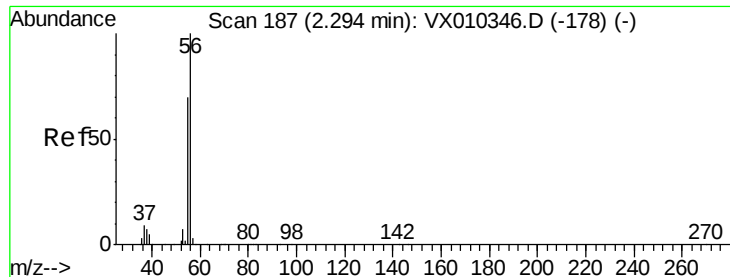


Abundance Ion 59.00 (58.70 to 59.70): VX010346.D (-296) (-)

Ion 57.00 (56.70 to 57.70): VX010346.D (-296) (-)

3.04





#13

Acrolein

Concen: 0.314 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010572.D

Acq: 29 Jun 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

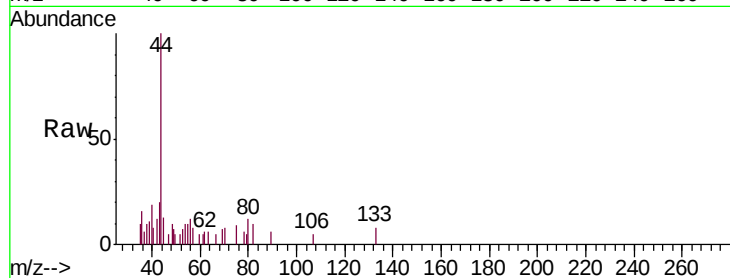
OK-02-062719

Tgt Ion: 56 Resp: 126

Ion Ratio Lower Upper

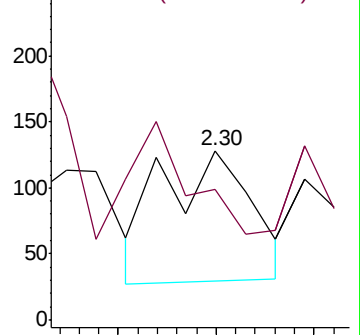
56 100

55 91.3 56.9 85.3#

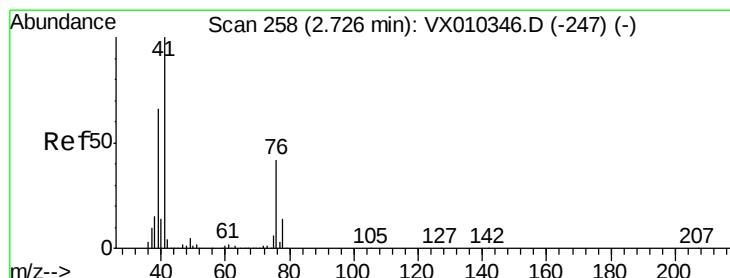
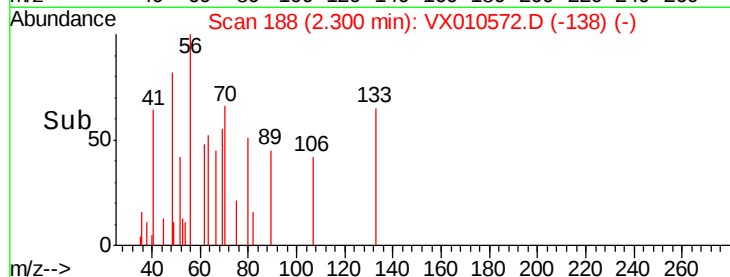


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 4.208 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.13 min

Lab File: VX010572.D

Acq: 29 Jun 2019 06:35

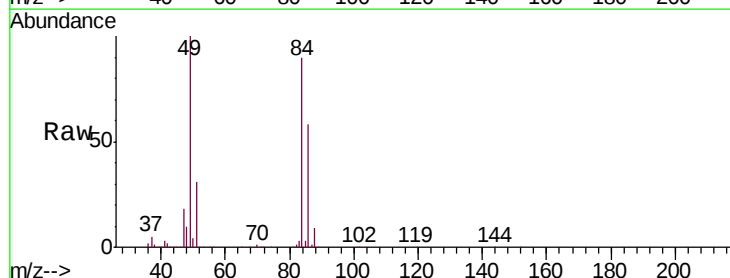
Tgt Ion: 41 Resp: 12786

Ion Ratio Lower Upper

41 100

39 0.8 50.3 75.5#

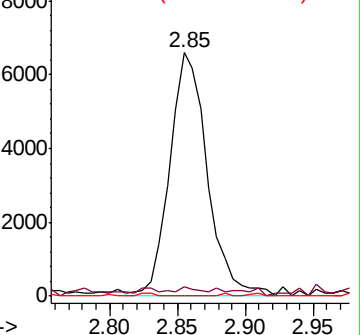
76 0.0 31.3 46.9#



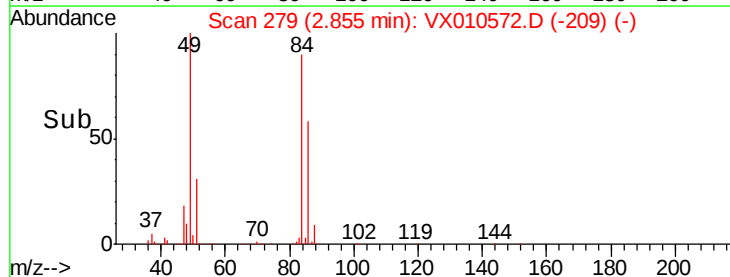
Abundance Ion 41.00 (40.70 to 41.70): VX0

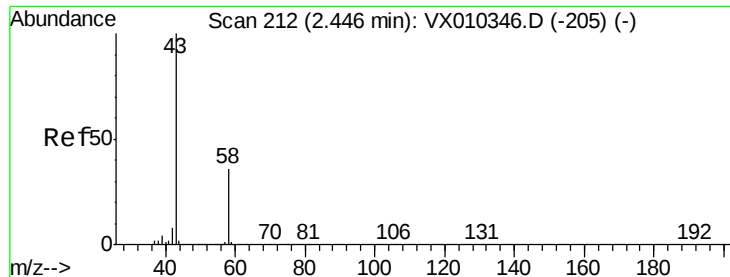
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->





#16

Acetone

Concen: 6.053 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010572.D

Acq: 29 Jun 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

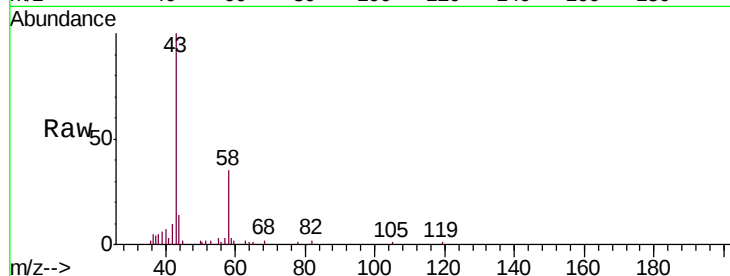
OK-02-062719

Tgt Ion: 43 Resp: 7022

Ion Ratio Lower Upper

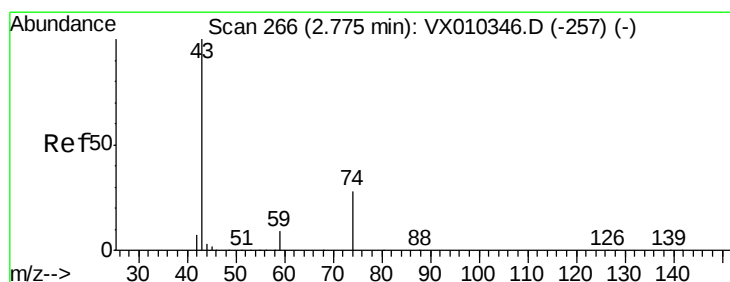
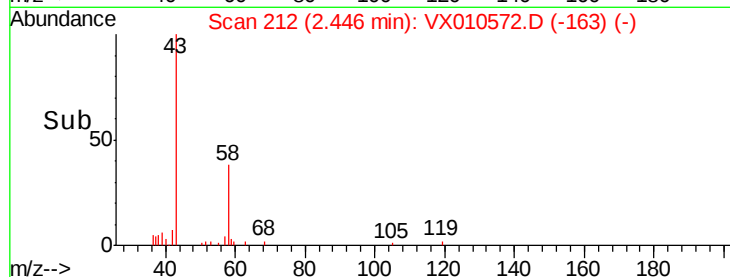
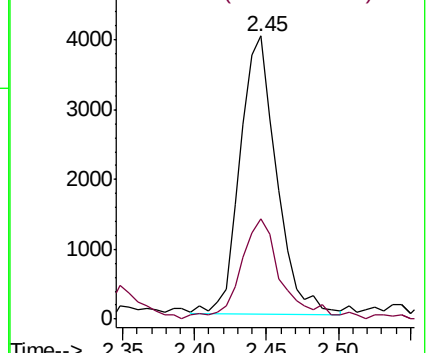
43 100

58 34.5 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.849 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010572.D

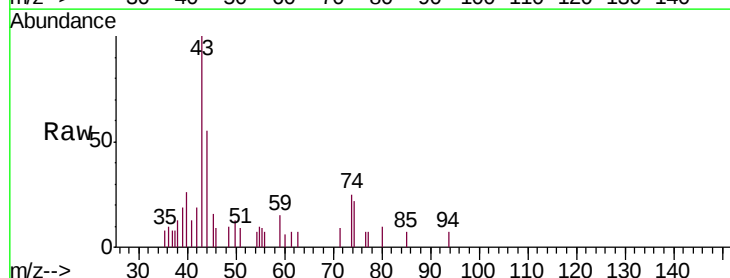
Acq: 29 Jun 2019 06:35

Tgt Ion: 43 Resp: 1963

Ion Ratio Lower Upper

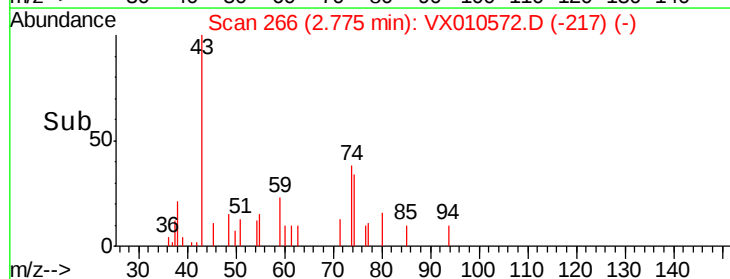
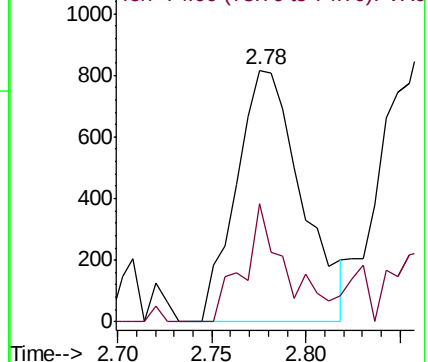
43 100

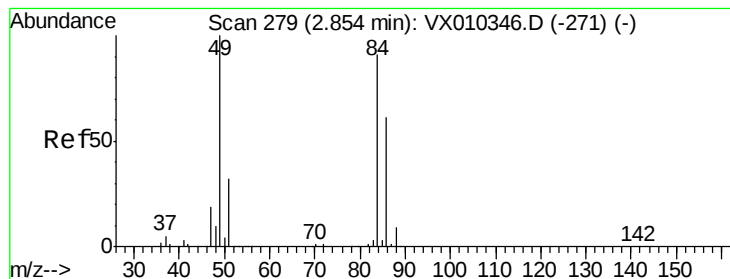
74 30.7 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 148.822 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX010572.D

Acq: 29 Jun 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

OK-02-062719

Tgt Ion: 84 Resp: 355308

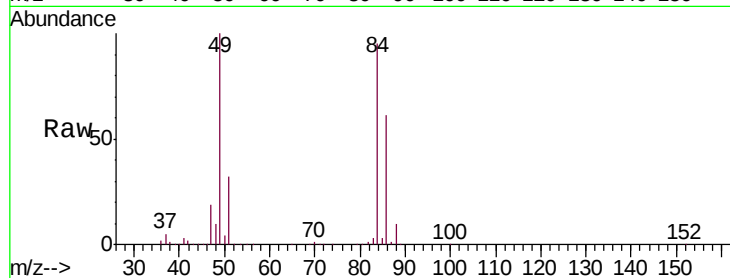
Ion Ratio Lower Upper

84 100

49 105.5 87.5 131.3

51 33.5 27.7 41.5

86 64.7 53.4 80.0

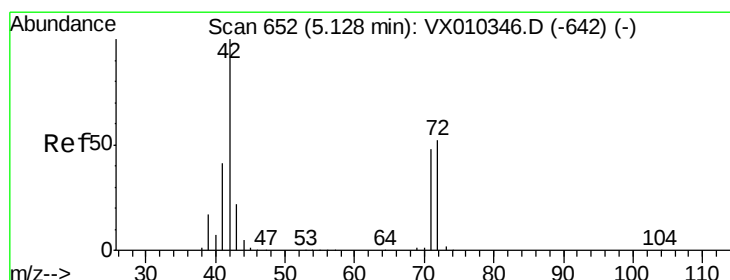
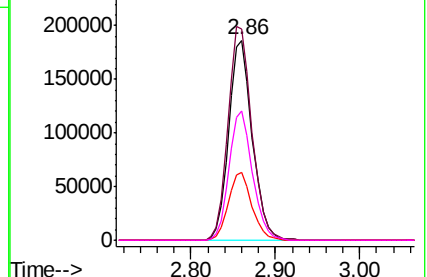
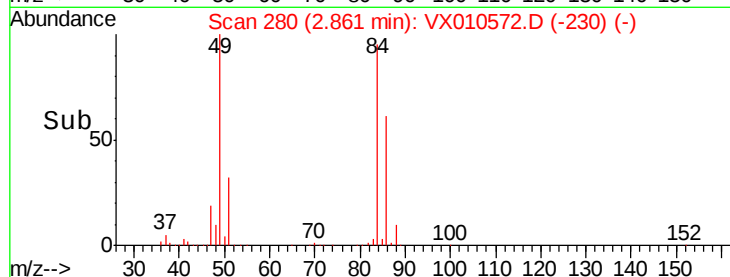


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 0.583 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.03 min

Lab File: VX010572.D

Acq: 29 Jun 2019 06:35

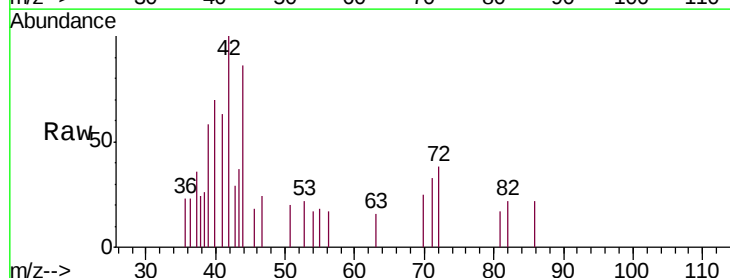
Tgt Ion: 42 Resp: 615

Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

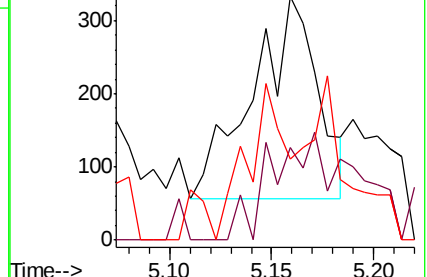
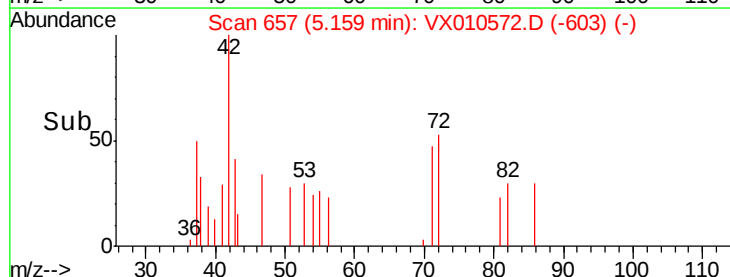
71 44.6 37.8 56.8

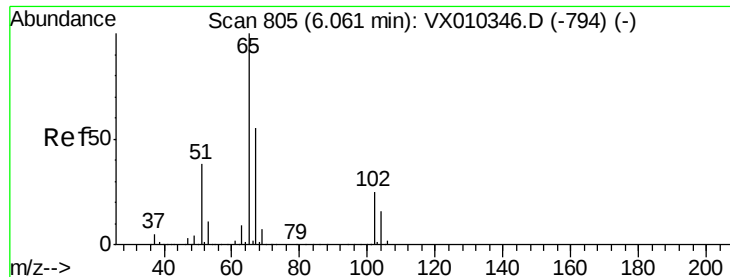


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.169 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010572.D

Acq: 29 Jun 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

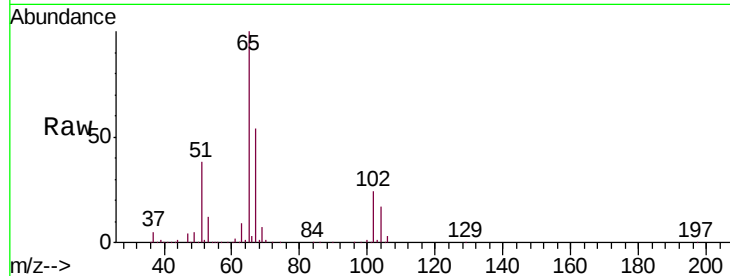
OK-02-062719

Tgt Ion: 65 Resp: 120763

Ion Ratio Lower Upper

65 100

67 54.4 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

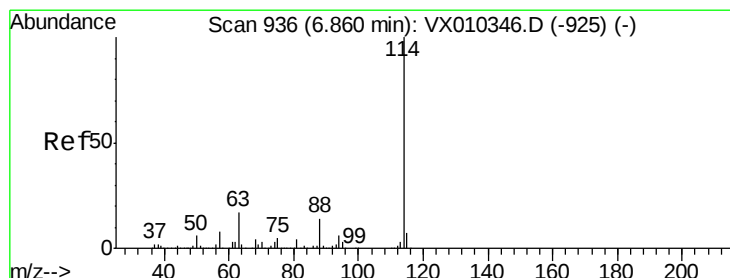
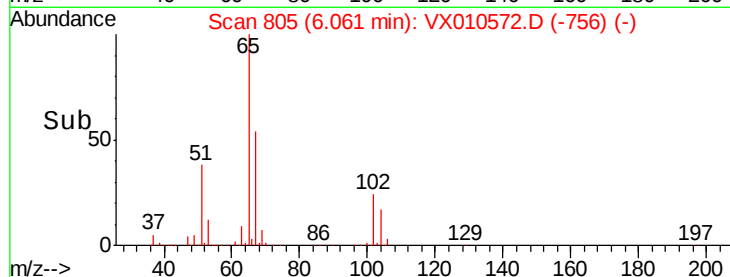
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010572.D

Acq: 29 Jun 2019 06:35

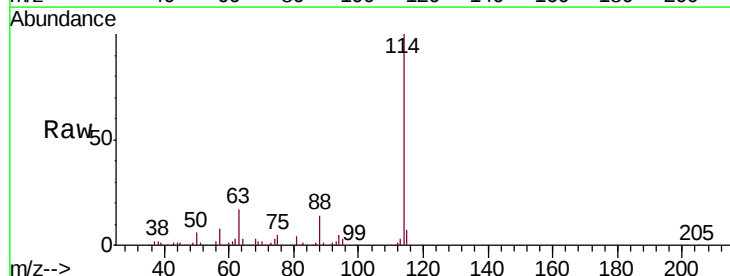
Tgt Ion: 114 Resp: 386130

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.8

88 13.8 0.0 27.6



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

6.86

200000

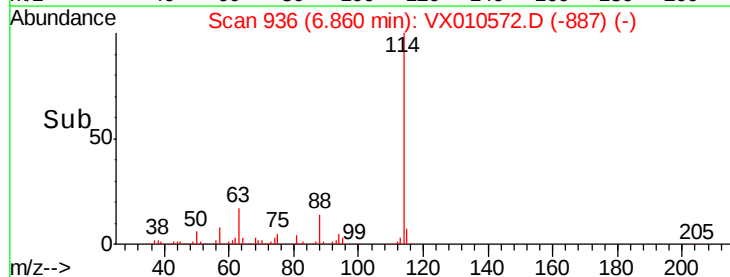
150000

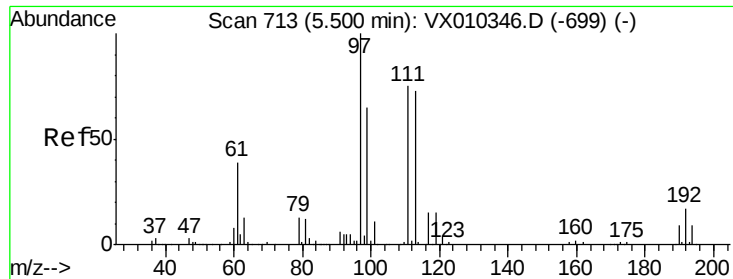
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

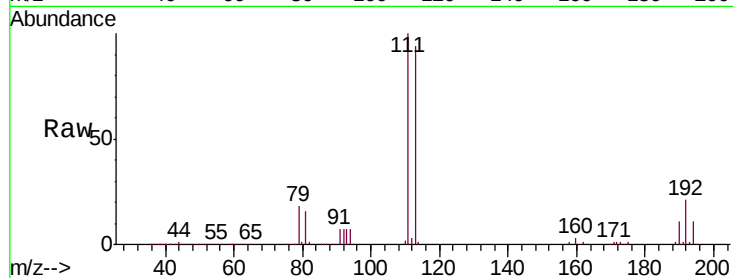




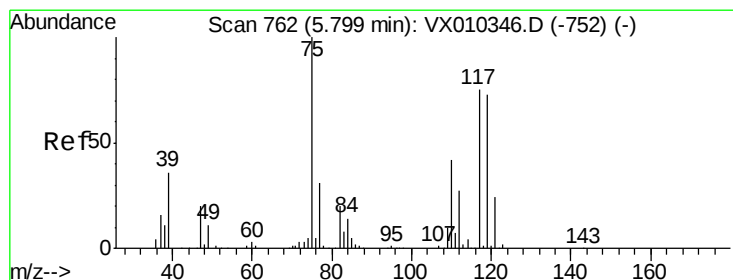
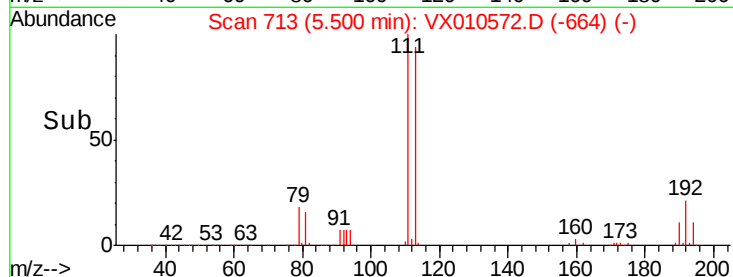
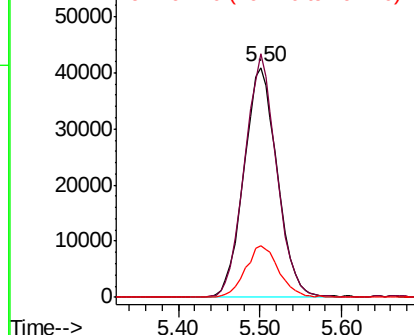
#35
 Dibromofluoromethane
 Concen: 49.240 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010572.D
 Acq: 29 Jun 2019 06:35

Instrument :
 MSVOA_X
 ClientSampleId :
 OK-02-062719

Tgt Ion:113 Resp: 116328
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.2 121.8
 192 22.4 18.6 27.8

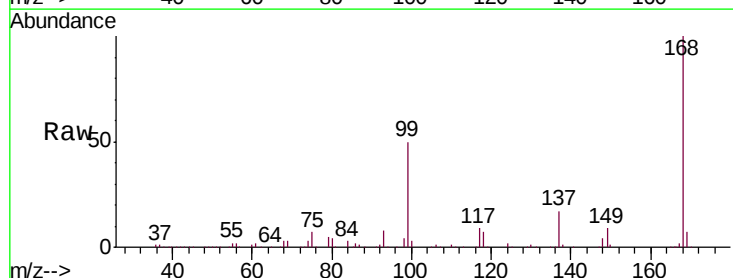


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

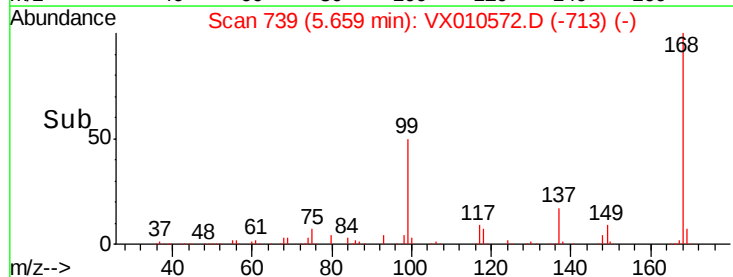
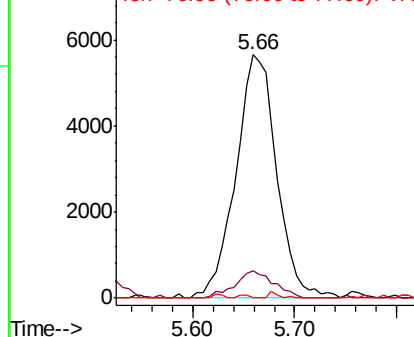


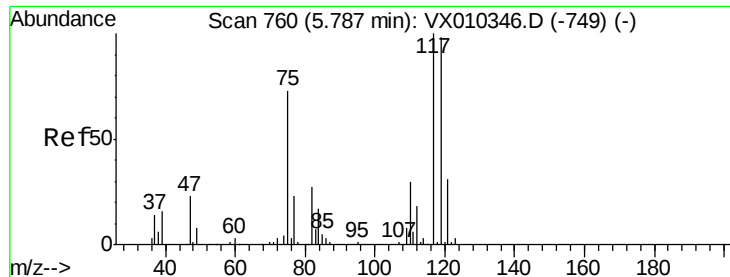
#36
 1,1-Dichloropropene
 Concen: 5.129 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010572.D
 Acq: 29 Jun 2019 06:35

Tgt Ion: 75 Resp: 15737
 Ion Ratio Lower Upper
 75 100
 110 10.7 20.8 62.2#
 77 0.3 25.4 38.0#



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: 6.559 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010572.D

Acq: 29 Jun 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

OK-02-062719

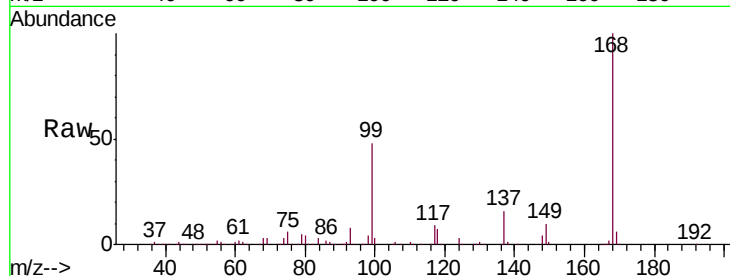
Tgt Ion:117 Resp: 21793

Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.4#

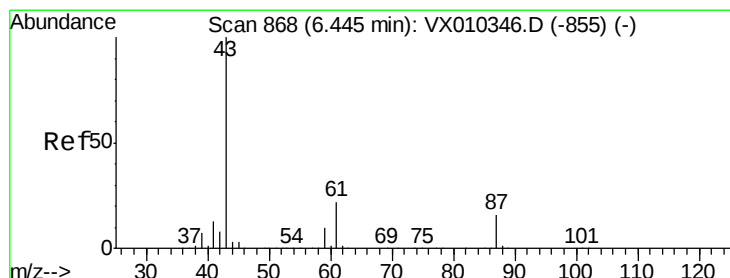
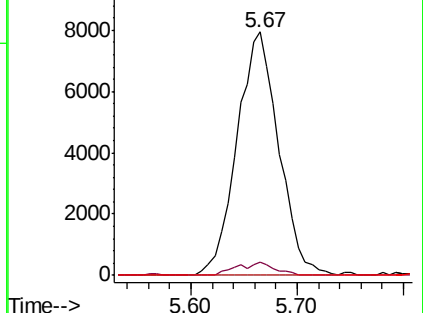
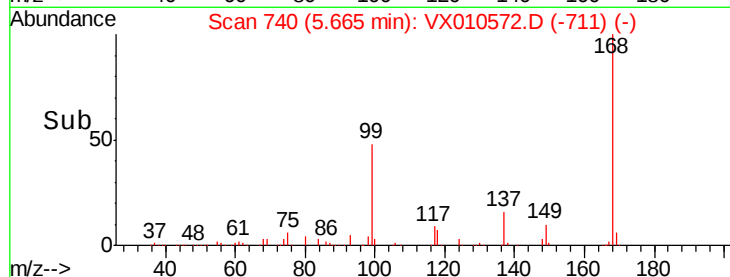
121 0.0 24.7 37.1#



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



#43

Isopropyl Acetate

Concen: 2.673 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010572.D

Acq: 29 Jun 2019 06:35

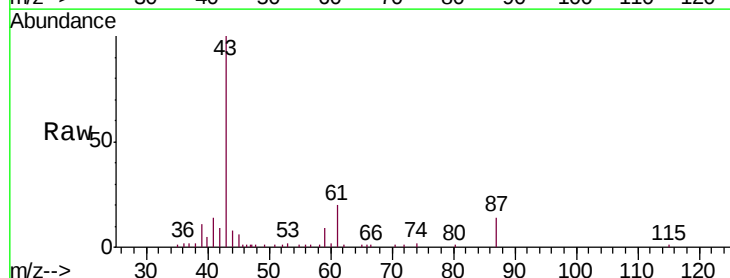
Tgt Ion: 43 Resp: 13959

Ion Ratio Lower Upper

43 100

61 23.7 17.8 26.6

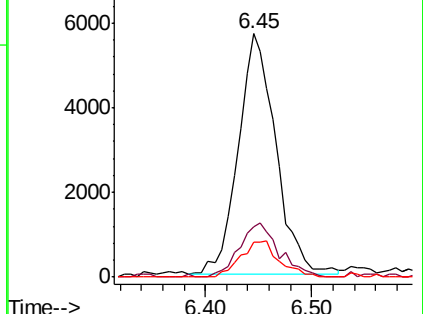
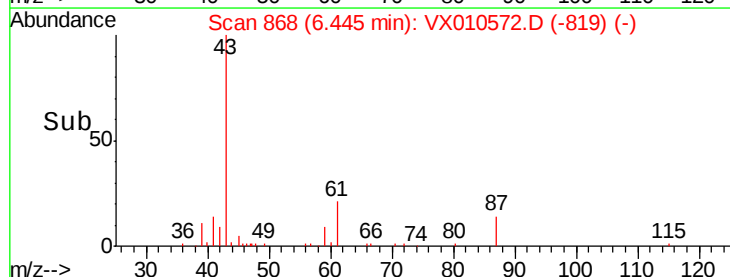
87 15.3 13.0 19.4

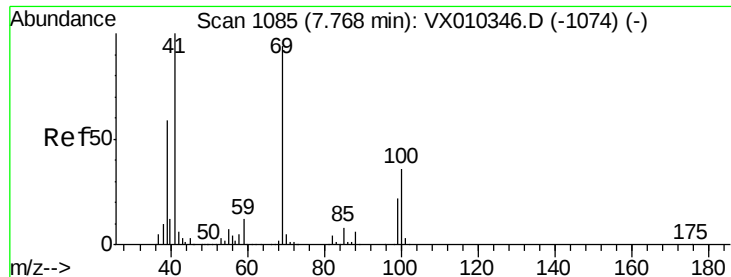


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

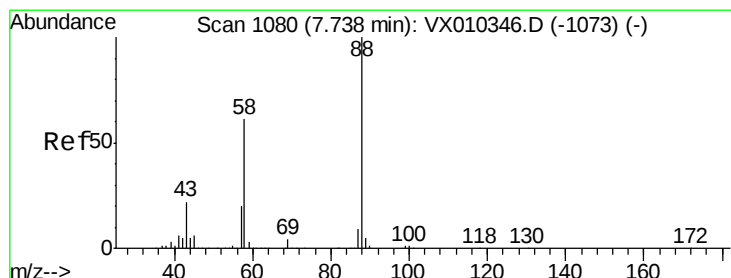
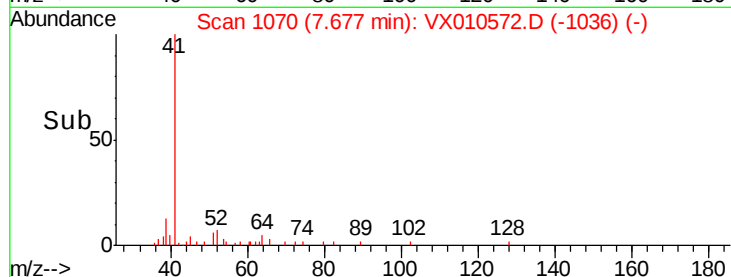
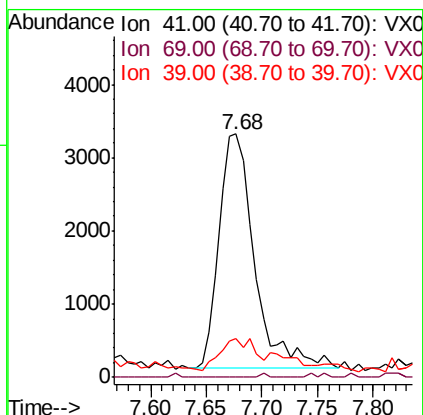
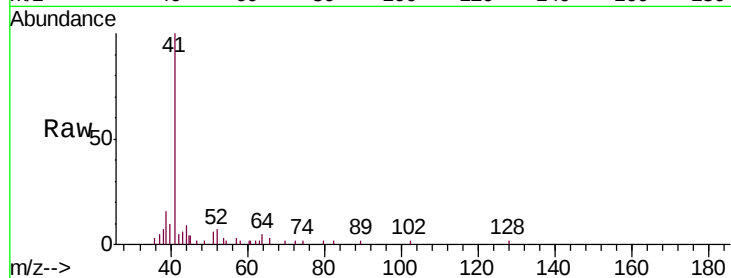




#48
Methyl methacrylate
Concen: 2.886 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX010572.D
Acq: 29 Jun 2019 06:35

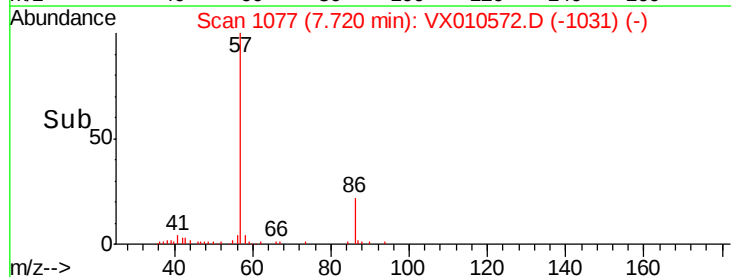
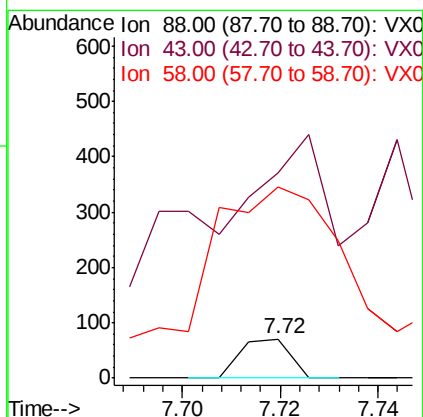
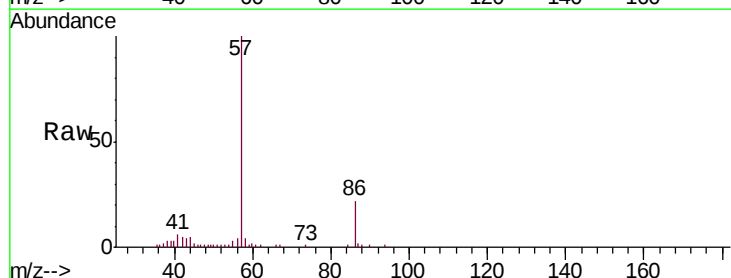
Instrument :
MSVOA_X
ClientSampleId :
OK-02-062719

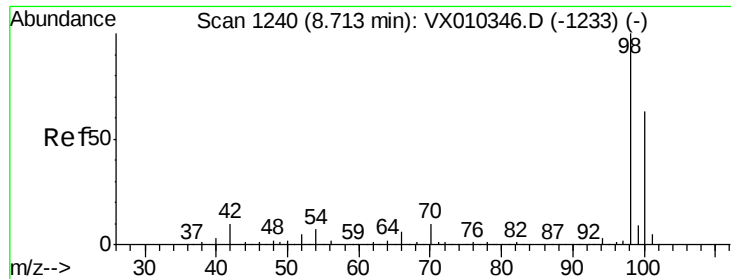
Tgt Ion: 41 Resp: 7005
Ion Ratio Lower Upper
41 100
69 0.0 76.1 114.1#
39 0.0 47.6 71.4#



#49
1,4-Dioxane
Concen: 0.715 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.02 min
Lab File: VX010572.D
Acq: 29 Jun 2019 06:35

Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 1586.0 49.5 74.3#





#50

Toluene-d8

Concen: 51.565 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010572.D

Acq: 29 Jun 2019 06:35

Instrument :

MSVOA_X

ClientSampled :

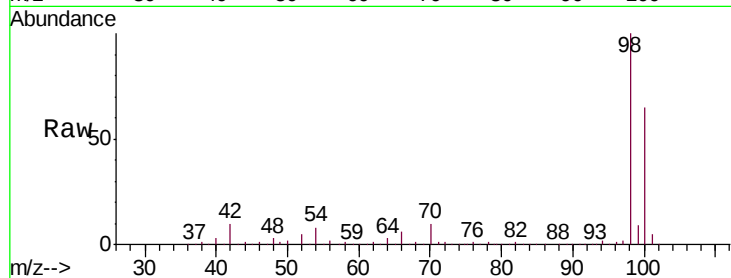
OK-02-062719

Tgt Ion: 98 Resp: 466061

Ion Ratio Lower Upper

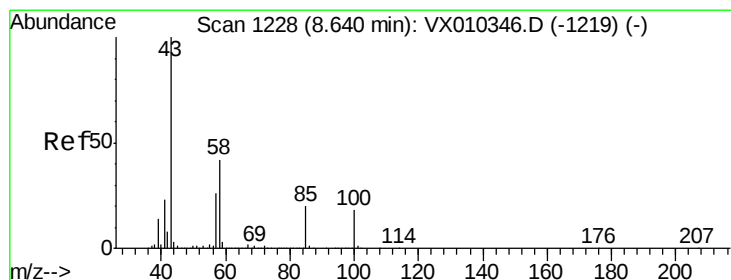
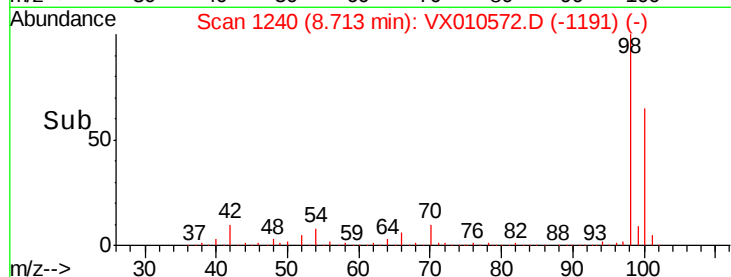
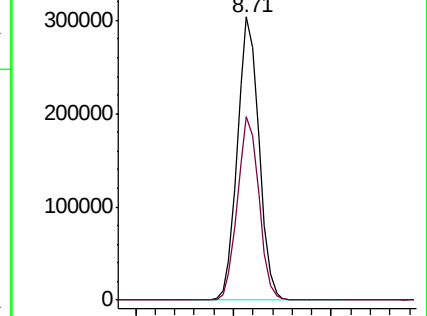
98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 21.768 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX010572.D

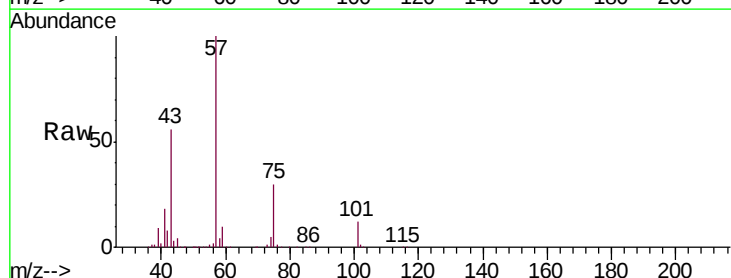
Acq: 29 Jun 2019 06:35

Tgt Ion: 43 Resp: 72710

Ion Ratio Lower Upper

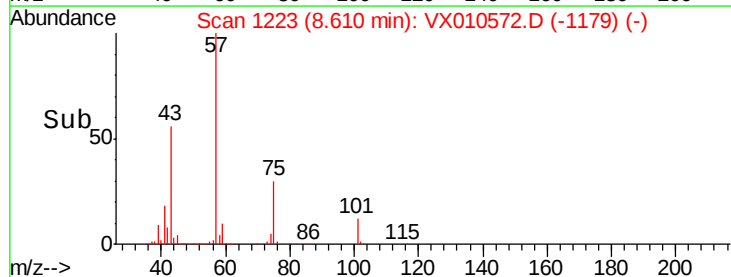
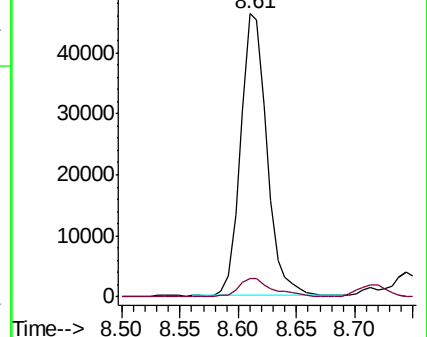
43 100

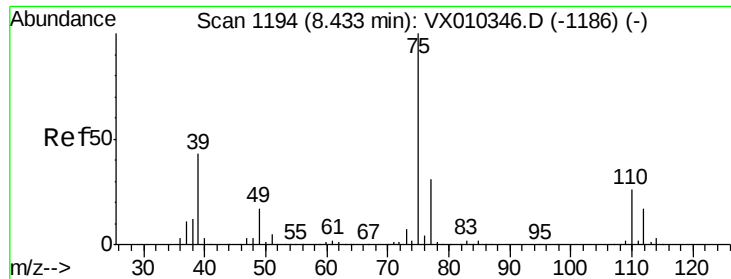
58 8.5 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

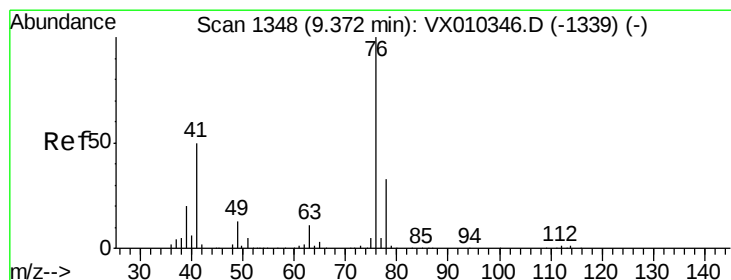
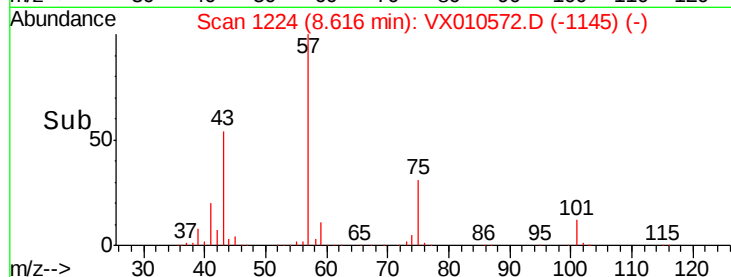
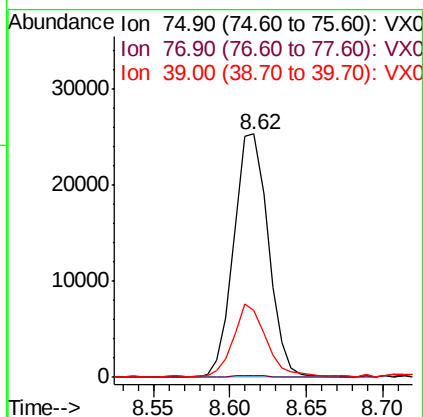
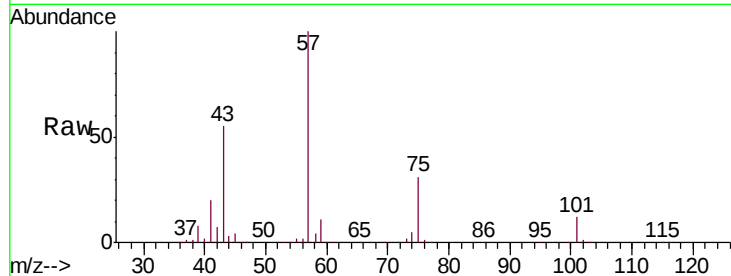




#54
 cis-1,3-Dichloropropene
 Concen: 10.240 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX010572.D
 Acq: 29 Jun 2019 06:35

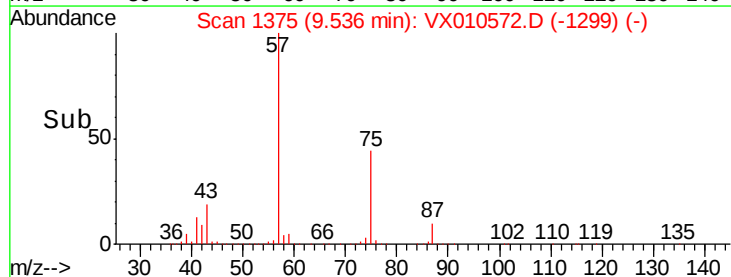
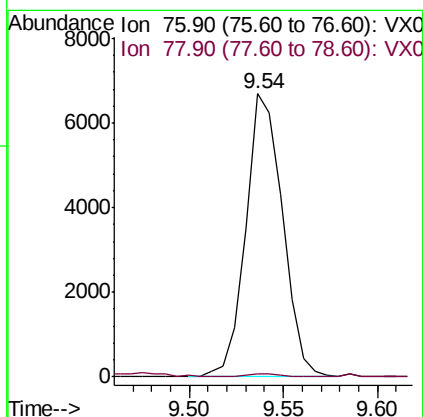
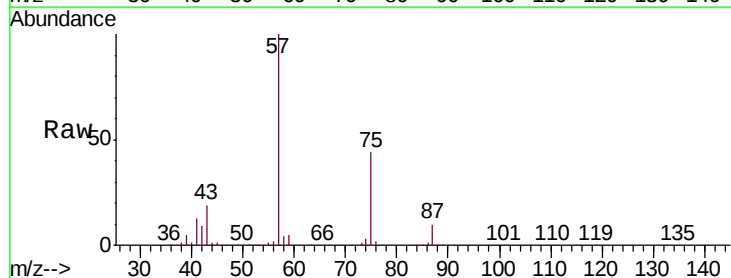
Instrument :
 MSVOA_X
 ClientSampleId :
 OK-02-062719

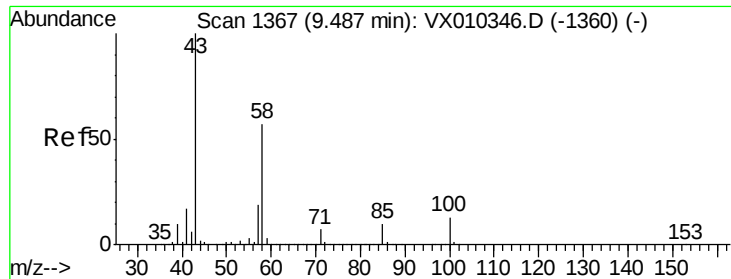
Tgt Ion: 75 Resp: 39602
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.2 37.8#
 39 27.1 34.5 51.7#



#57
 1,3-Dichloropropane
 Concen: 2.247 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.16 min
 Lab File: VX010572.D
 Acq: 29 Jun 2019 06:35

Tgt Ion: 76 Resp: 9058
 Ion Ratio Lower Upper
 76 100
 78 1.1 26.1 39.1#

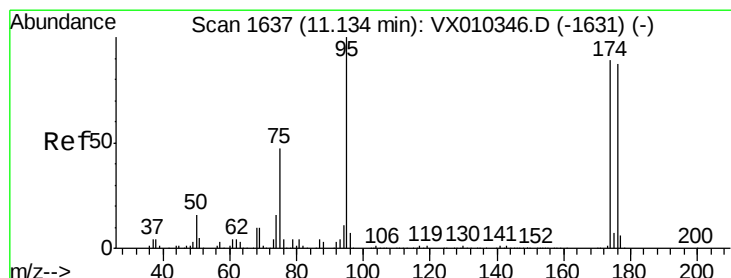
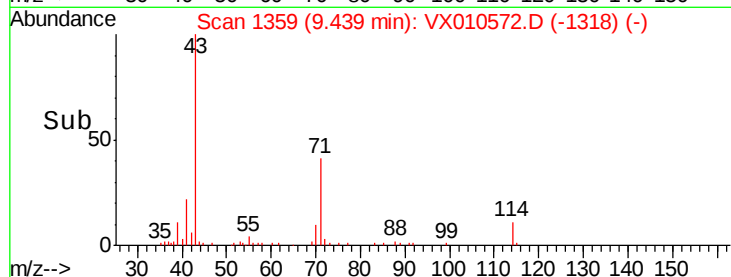
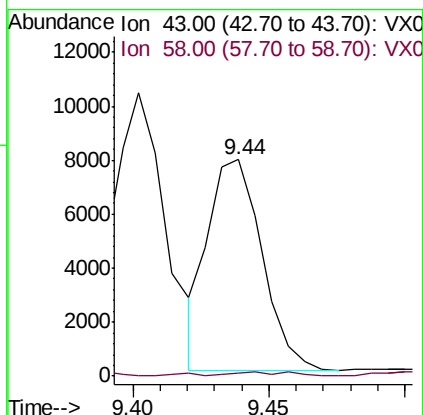
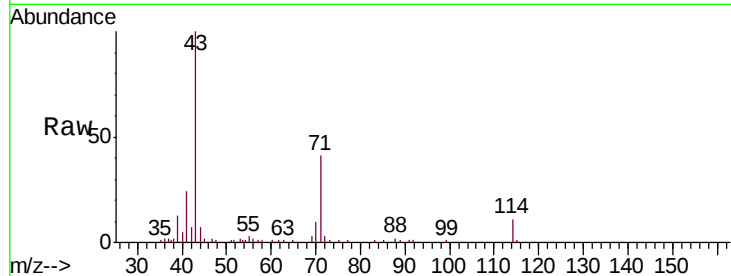




#59
2-Hexanone
Concen: 4.095 ug/l
RT: 9.44 min Scan# 1359
Delta R.T. -0.05 min
Lab File: VX010572.D
Acq: 29 Jun 2019 06:35

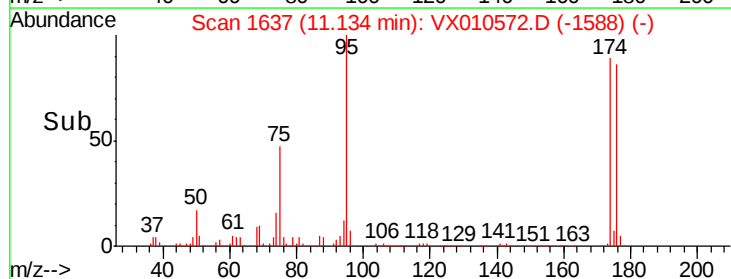
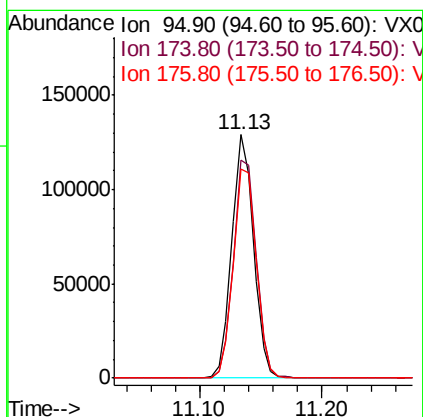
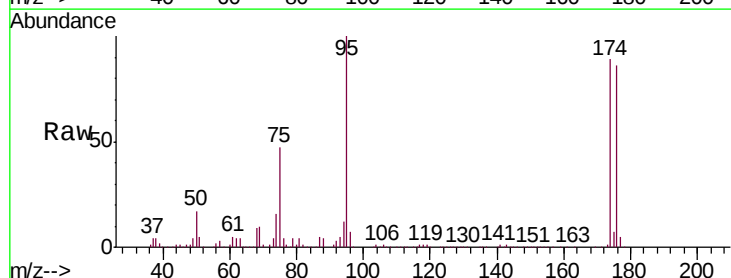
Instrument :
MSVOA_X
ClientSampleId :
OK-02-062719

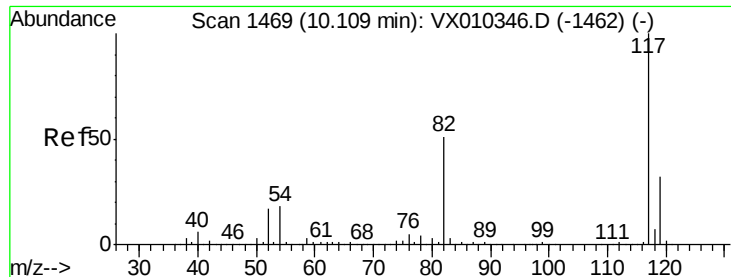
Tgt Ion: 43 Resp: 10766
Ion Ratio Lower Upper
43 100
58 0.0 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 48.405 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010572.D
Acq: 29 Jun 2019 06:35

Tgt Ion: 95 Resp: 157952
Ion Ratio Lower Upper
95 100
174 94.3 0.0 187.6
176 91.0 0.0 184.0

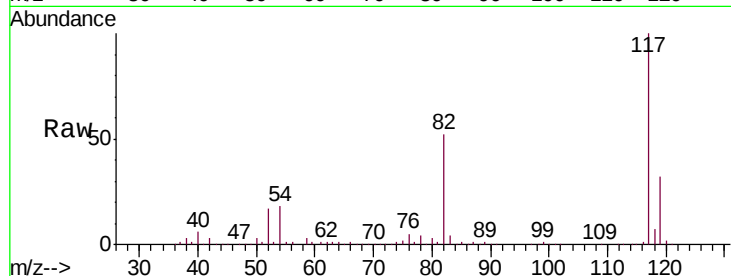




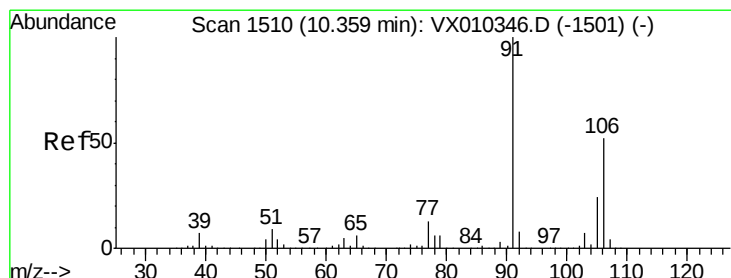
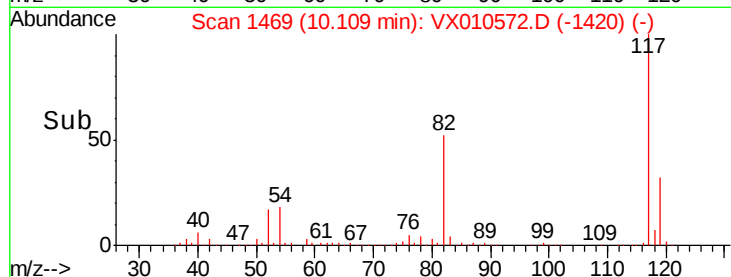
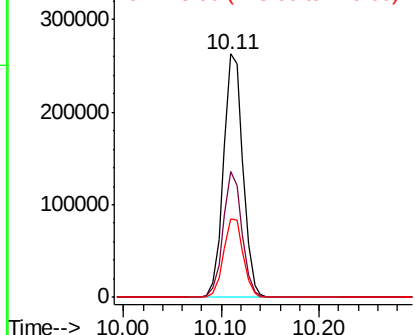
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010572.D
Acq: 29 Jun 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
OK-02-062719

Tgt Ion:117 Resp: 360561
Ion Ratio Lower Upper
117 100
82 51.5 41.2 61.8
119 32.4 25.5 38.3

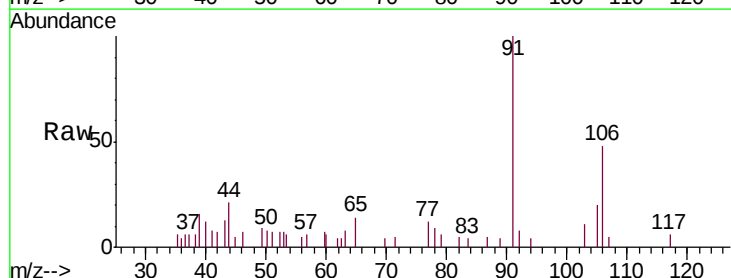


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

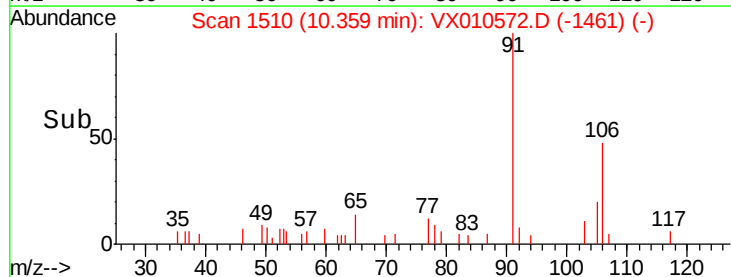
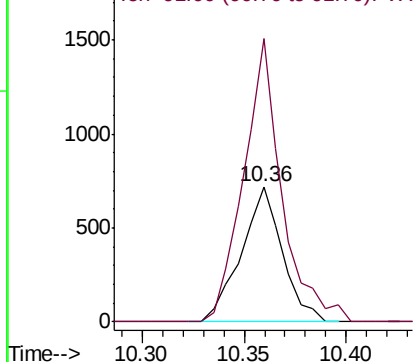


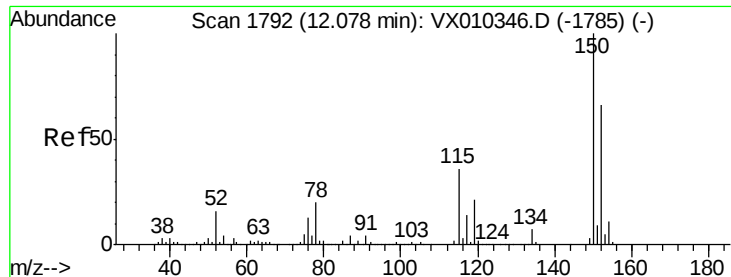
#68
m/p-Xylenes
Concen: 0.210 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010572.D
Acq: 29 Jun 2019 06:35

Tgt Ion:106 Resp: 1007
Ion Ratio Lower Upper
106 100
91 195.1 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010572.D

Acq: 29 Jun 2019 06:35

Instrument :

MSVOA_X

ClientSampleId :

OK-02-062719

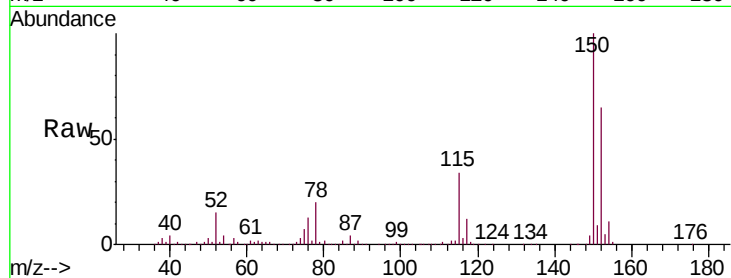
Tgt Ion:152 Resp: 167194

Ion Ratio Lower Upper

152 100

115 55.0 38.6 115.7

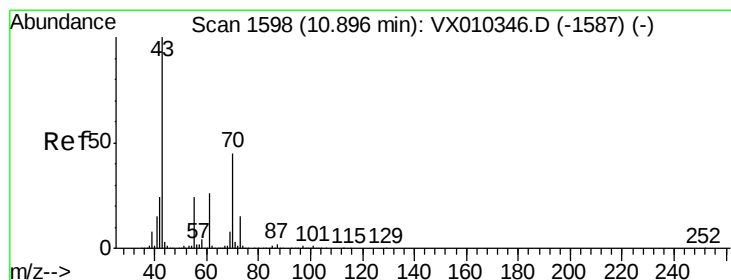
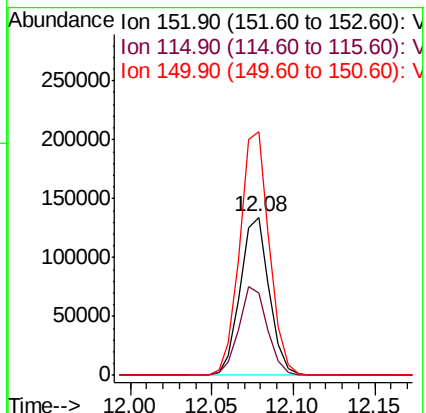
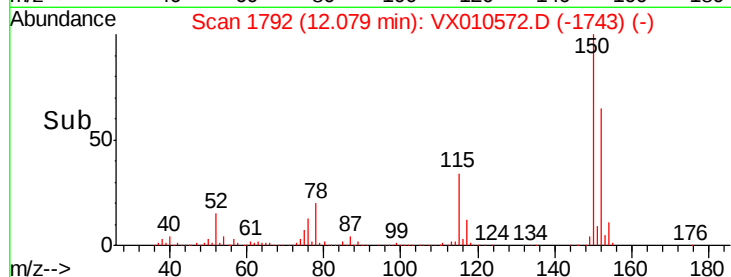
150 155.8 0.0 347.4



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



#74

N-ethyl acetate

Concen: 2.496 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX010572.D

Acq: 29 Jun 2019 06:35

Tgt Ion: 43 Resp: 10690

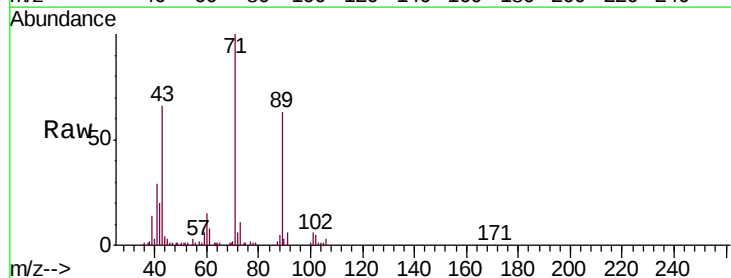
Ion Ratio Lower Upper

43 100

70 3.0 36.6 54.8#

55 6.5 18.7 28.1#

61 12.5 20.6 31.0#

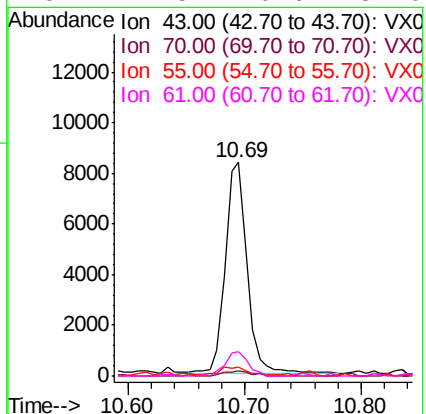
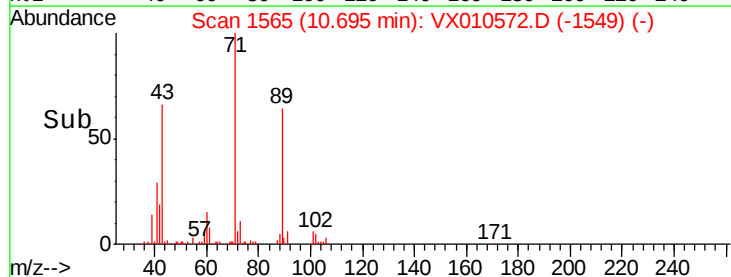


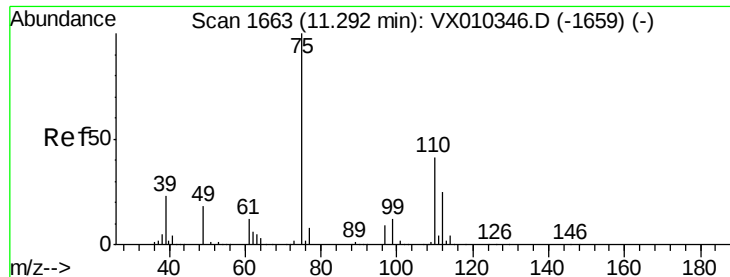
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

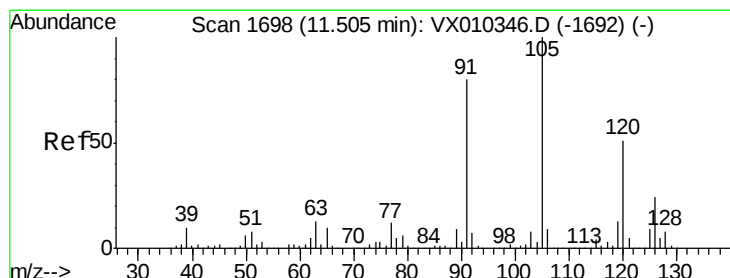
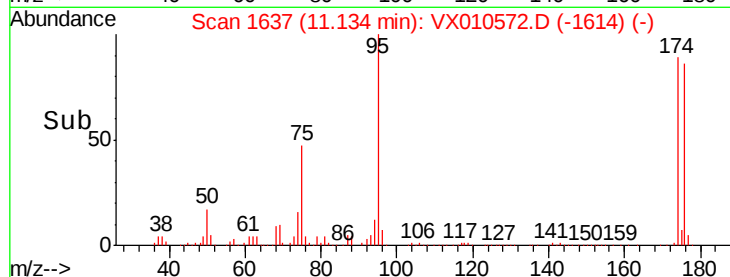
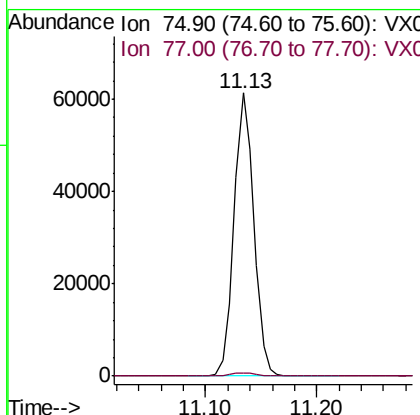
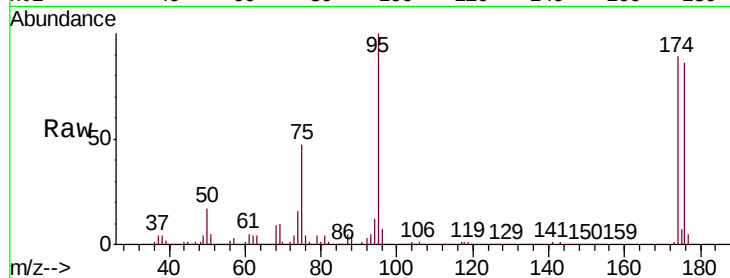




#76
 1,2,3-Trichloropropane
 Concen: 24.808 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010572.D
 Acq: 29 Jun 2019 06:35

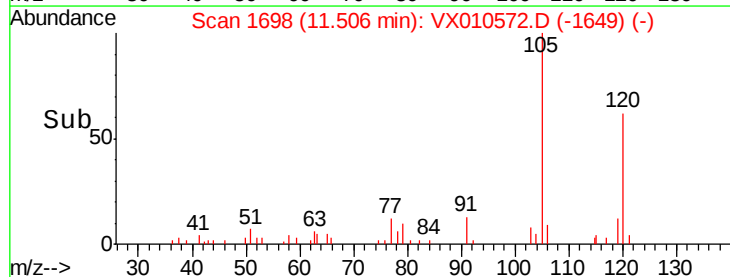
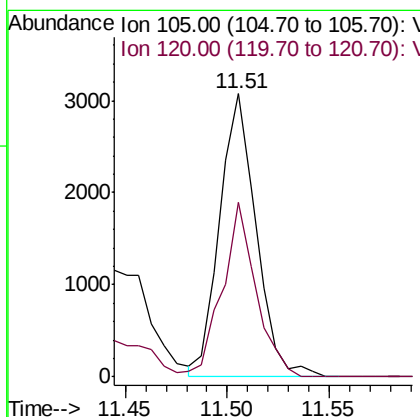
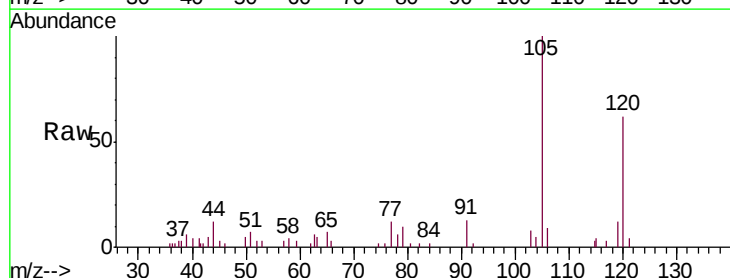
Instrument :
 MSVOA_X
 ClientSampleId :
 OK-02-062719

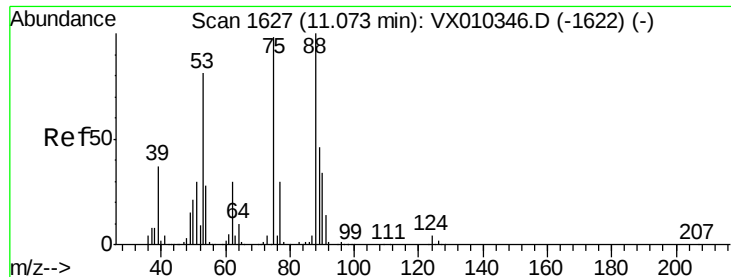
Tgt Ion: 75 Resp: 75584
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.6 67.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.407 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010572.D
 Acq: 29 Jun 2019 06:35

Tgt Ion: 105 Resp: 3803
 Ion Ratio Lower Upper
 105 100
 120 57.4 25.2 75.6

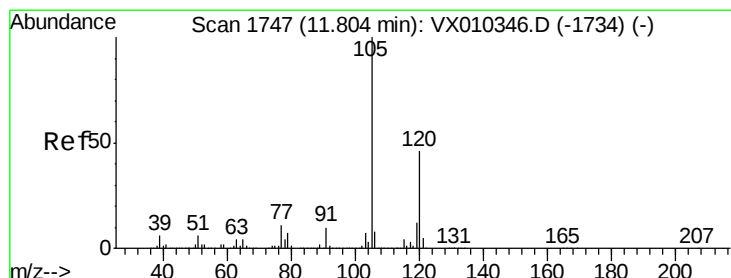
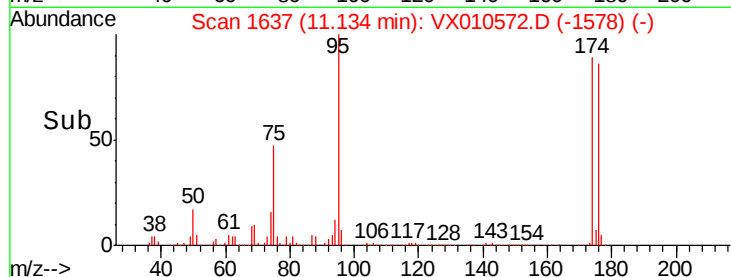
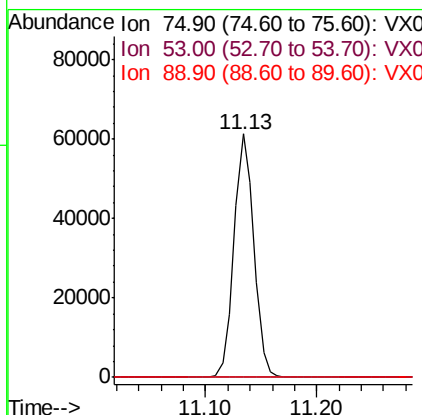
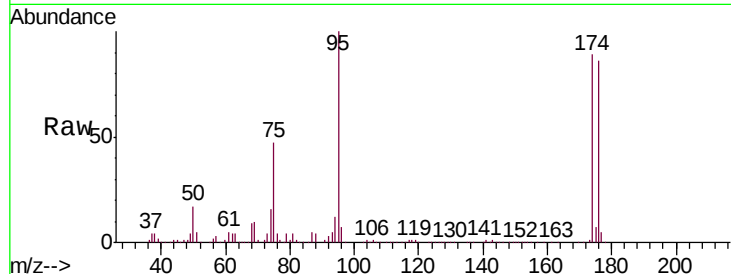




#81
trans-1,4-Dichloro-2-butene
Concen: 57.875 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010572.D
Acq: 29 Jun 2019 06:35

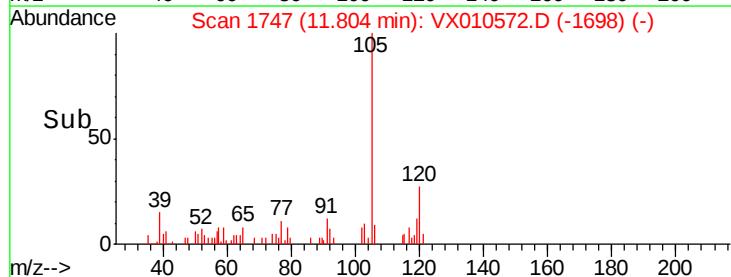
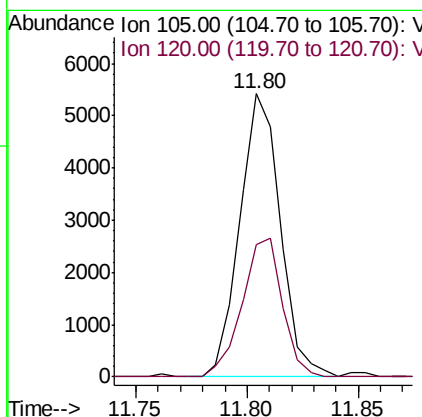
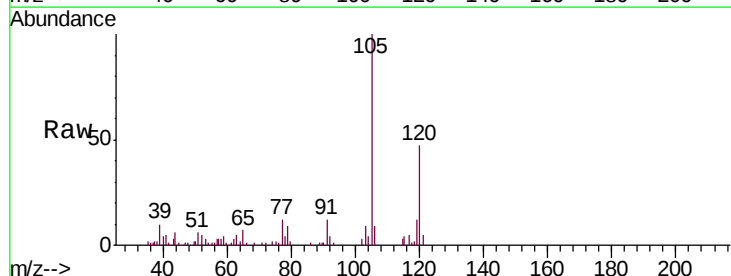
Instrument :
MSVOA_X
ClientSampleId :
OK-02-062719

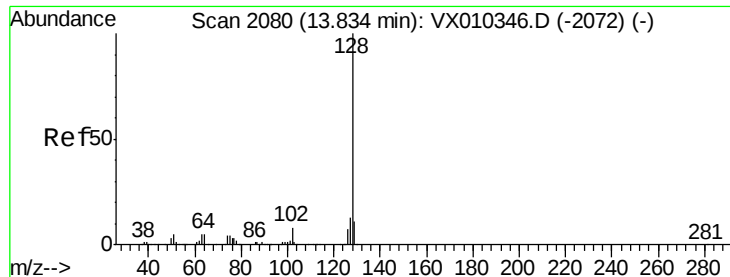
Tgt Ion: 75 Resp: 75584
Ion Ratio Lower Upper
75 100
53 0.1 66.1 99.1#
89 0.1 37.8 56.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.733 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010572.D
Acq: 29 Jun 2019 06:35

Tgt Ion: 105 Resp: 6885
Ion Ratio Lower Upper
105 100
120 48.6 23.1 69.2





#95
Naphthalene
Concen: 2.666 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010572.D
Acq: 29 Jun 2019 06:35

Instrument :
MSVOA_X
ClientSampleId :
OK-02-062719

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.4
129	11.3	8.9	13.3

