

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010813.D
 Acq On : 11 Jul 2019 17:33
 Operator : JC/SP
 Sample : K3757-04RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-02-190710

Quant Time: Jul 12 06:56:24 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	5.66	168	217851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	344766	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	318172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146001	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	112656	55.15	ug/l	0.00
Spiked Amount			Recovery	=	110.30%	
35) Dibromofluoromethane	5.50	113	104472	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
50) Toluene-d8	8.71	98	412979	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.13	95	138895	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	

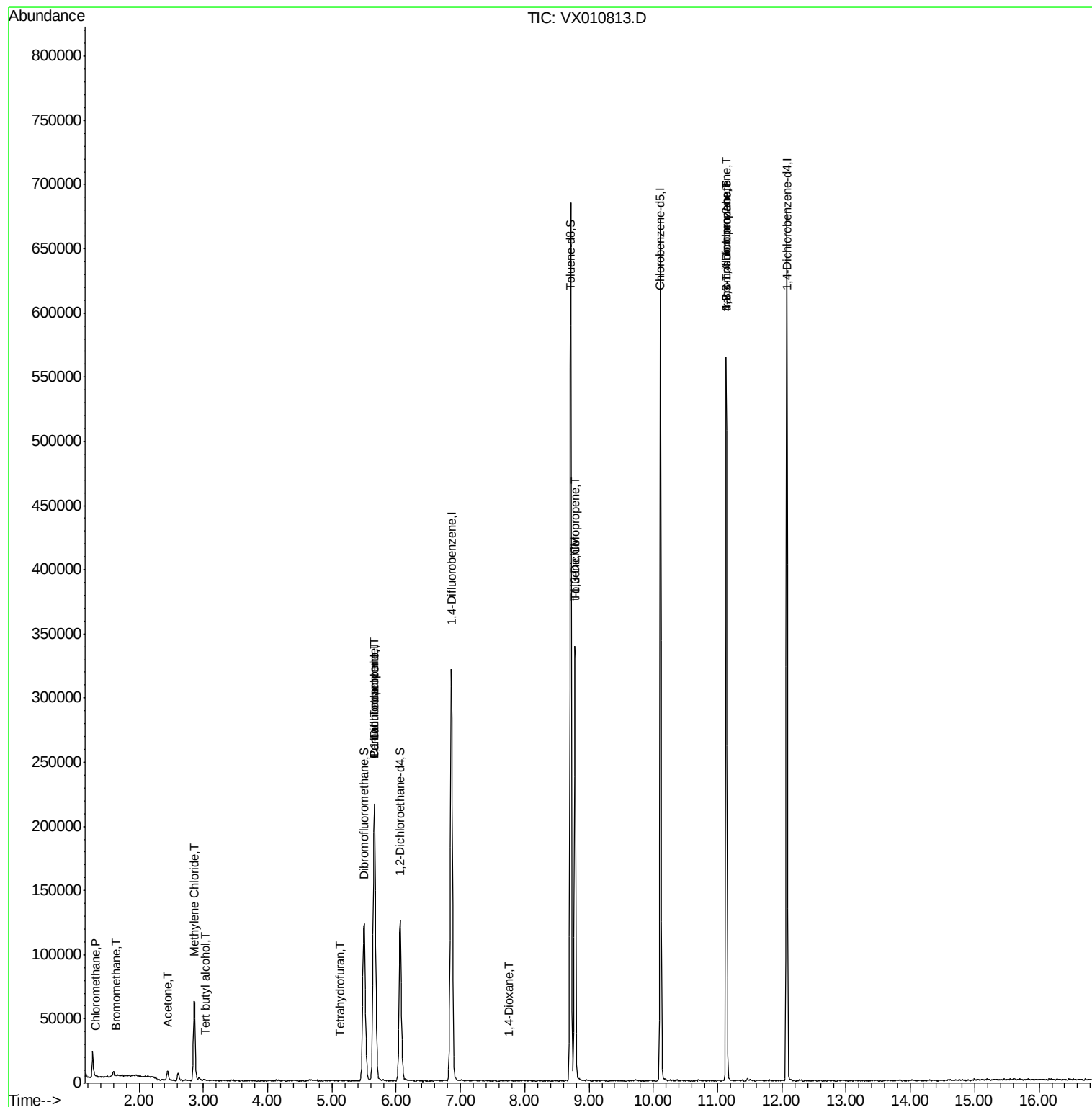
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	693	0.393	ug/l	91
5) Bromomethane	1.65	94	469	0.498	ug/l	82
11) Tert butyl alcohol	3.04	59	887	1.660	ug/l #	79
16) Acetone	2.44	43	7792	7.612	ug/l	90
20) Methylene Chloride	2.85	84	31640	15.019	ug/l	95
29) Tetrahydrofuran	5.13	42	284	0.305	ug/l #	28
36) 1,1-Dichloropropene	5.67	75	14335	5.232	ug/l #	48
38) Carbon Tetrachloride	5.67	117	19897	6.707	ug/l #	15
49) 1,4-Dioxane	7.74	88	19	0.304	ug/l #	1
52) Toluene	8.78	92	129254	22.995	ug/l	99
53) t-1,3-Dichloropropene	8.79	75	1651	0.520	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	69074	25.963	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	69074	60.568	ug/l #	16

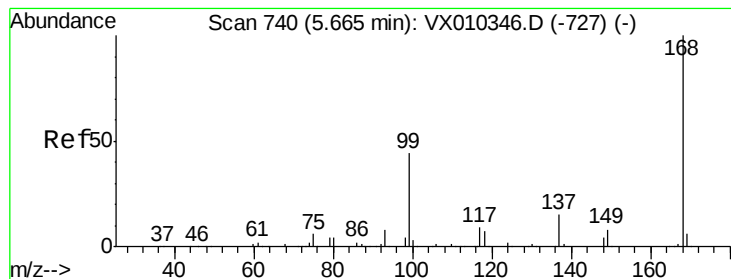
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
EB-02-190710

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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010813.D

Acq: 11 Jul 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

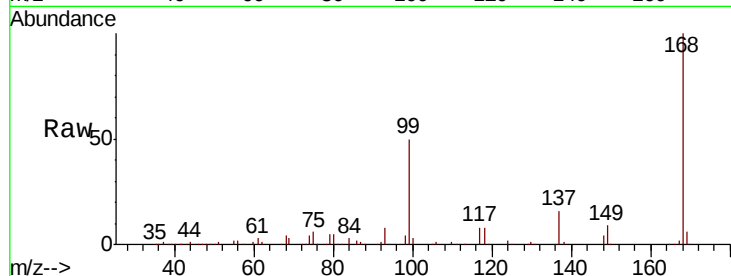
EB-02-190710

Tot Ion:168 Resp: 217851

Ion Ratio Lower Upper

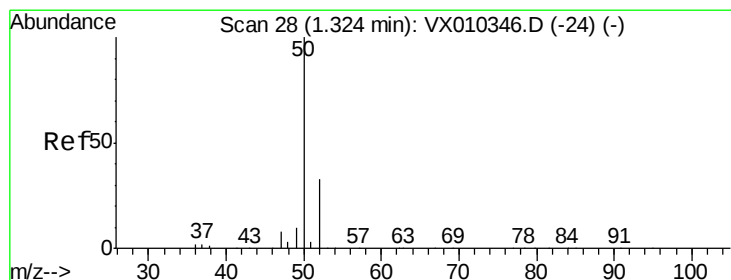
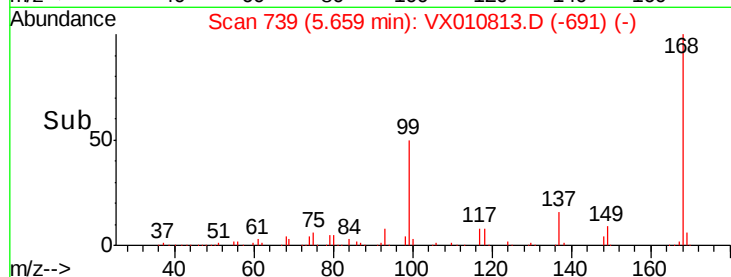
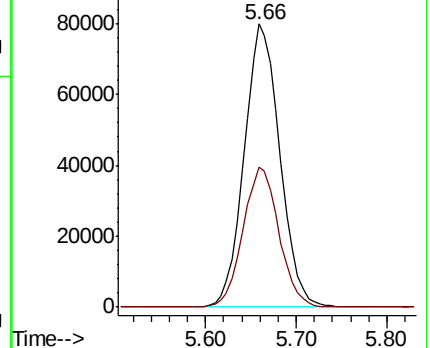
168 100

99 49.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.393 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010813.D

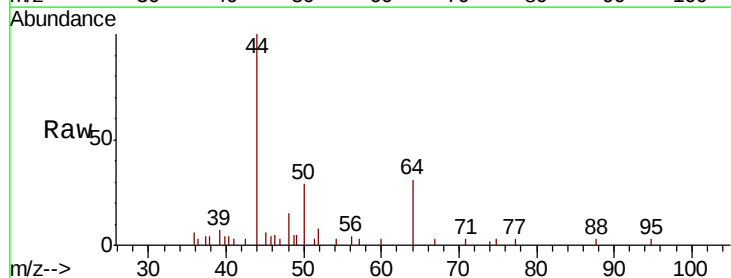
Acq: 11 Jul 2019 17:33

Tgt Ion: 50 Resp: 693

Ion Ratio Lower Upper

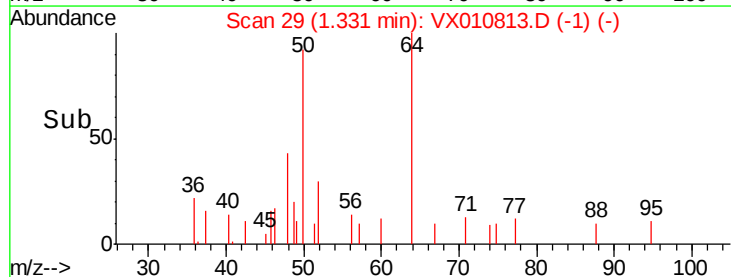
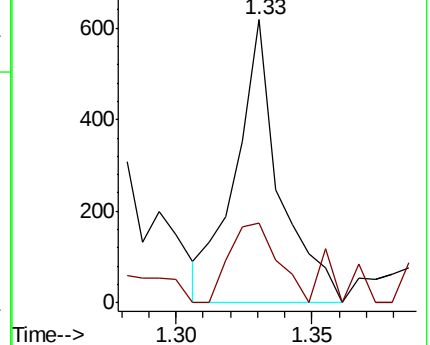
50 100

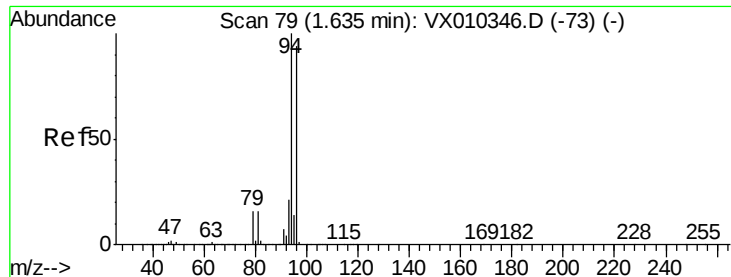
52 28.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.498 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010813.D

Acq: 11 Jul 2019 17:33

Instrument :

MSVOA_X

ClientSampled :

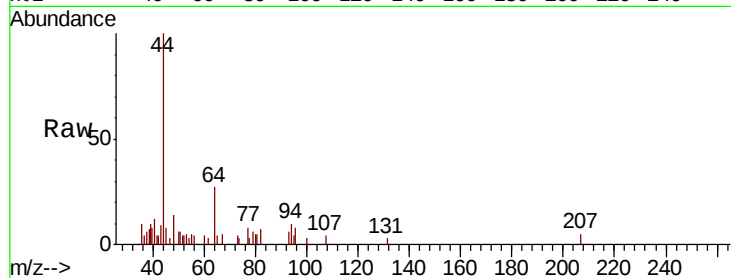
EB-02-190710

Tot Ion: 94 Resp: 469

Ion Ratio Lower Upper

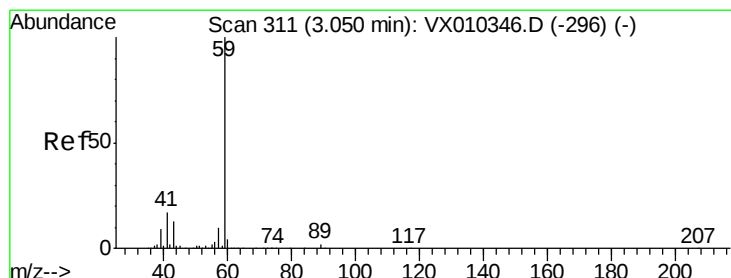
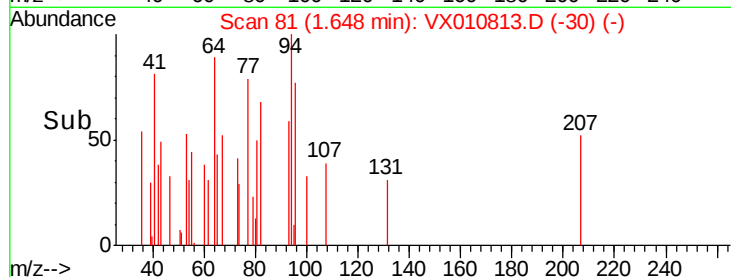
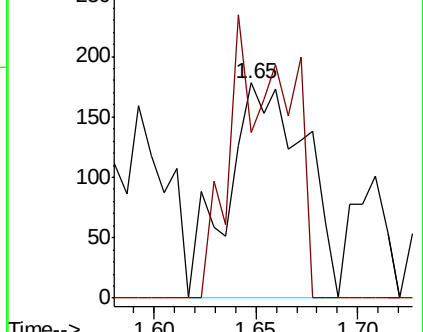
94 100

96 77.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 1.660 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX010813.D

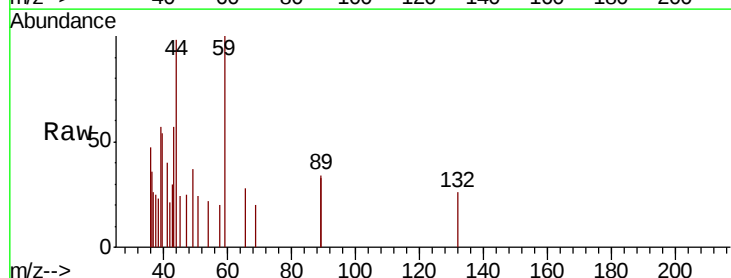
Acq: 11 Jul 2019 17:33

Tgt Ion: 59 Resp: 887

Ion Ratio Lower Upper

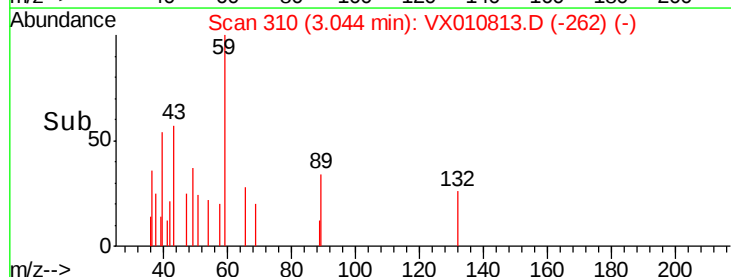
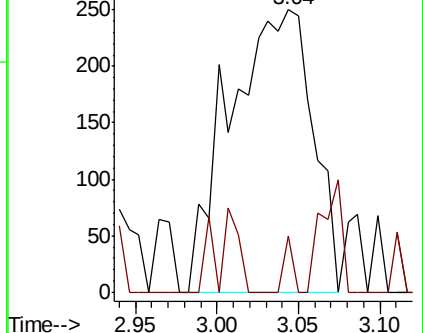
59 100

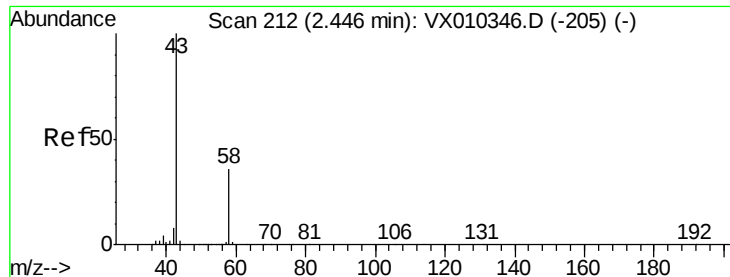
57 2.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 7.612 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010813.D

Acq: 11 Jul 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

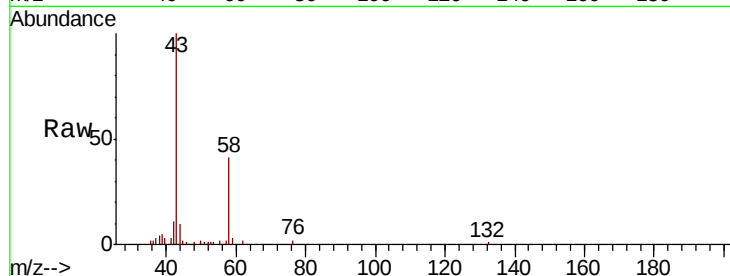
EB-02-190710

Tot Ion: 43 Resp: 7792

Ion Ratio Lower Upper

43 100

58 42.0 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

5000

4000

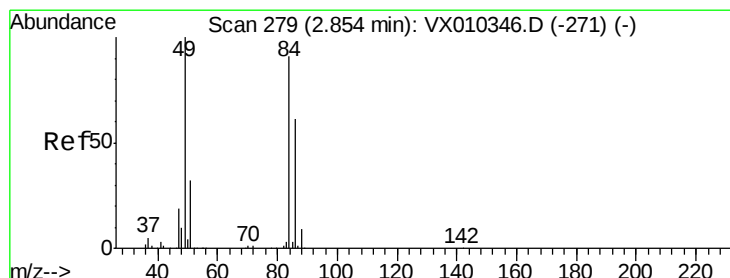
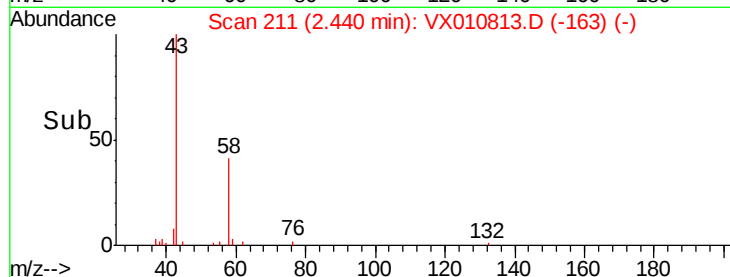
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 15.019 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX010813.D

Acq: 11 Jul 2019 17:33

Tgt Ion: 84 Resp: 31640

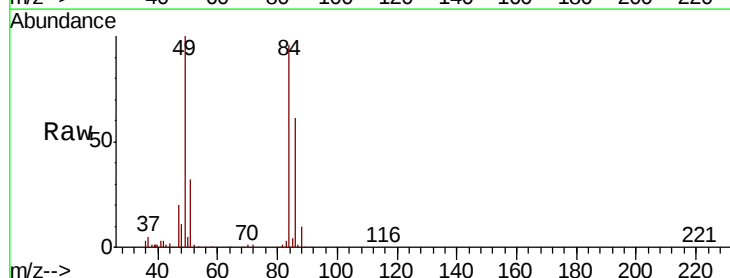
Ion Ratio Lower Upper

84 100

49 103.7 87.5 131.3

51 33.2 27.7 41.5

86 63.4 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

25000

20000

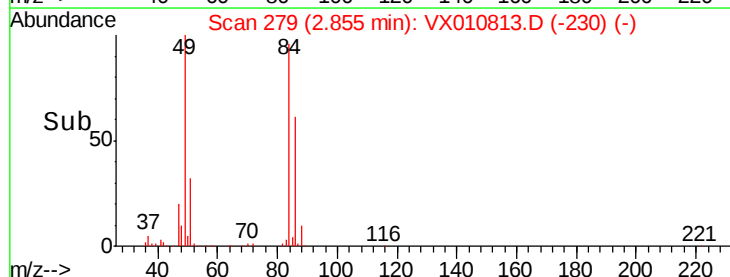
15000

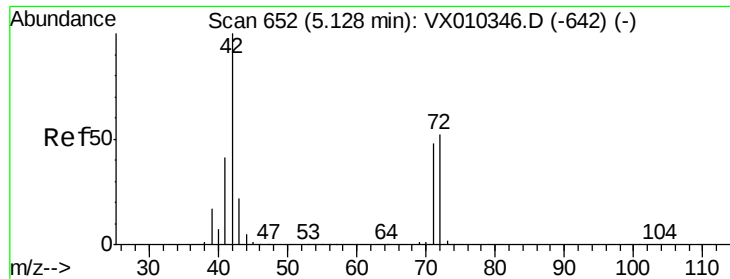
10000

5000

0

Time--> 2.80 2.85 2.90 3.00

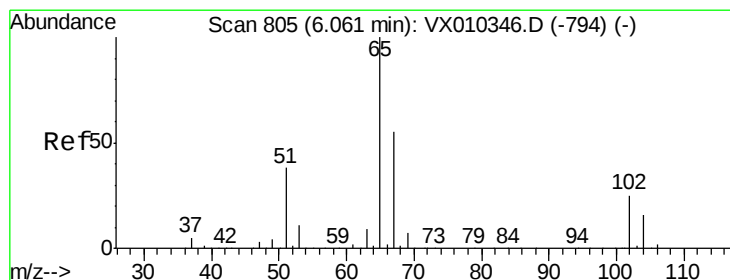
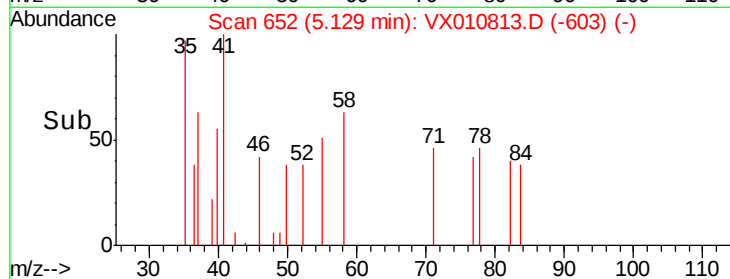
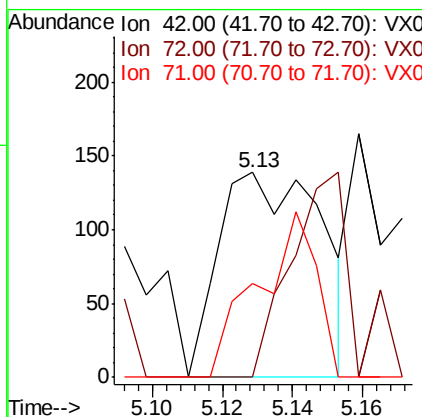
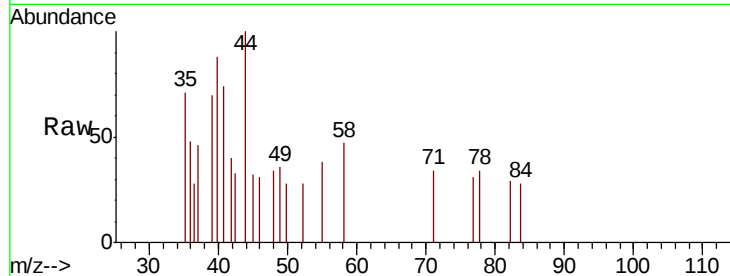




#29
Tetrahydrofuran
Concen: 0.305 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010813.D
Acq: 11 Jul 2019 17:33

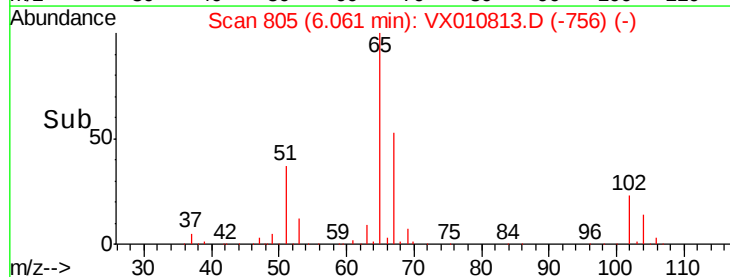
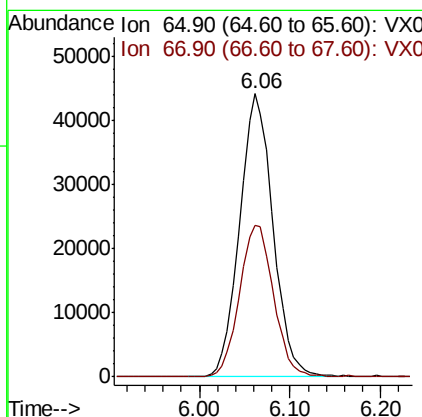
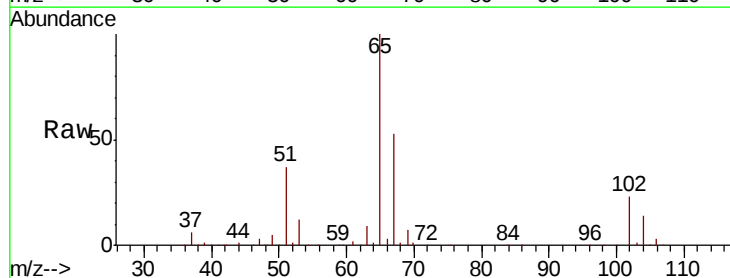
Instrument :
MSVOA_X
ClientSampleId :
EB-02-190710

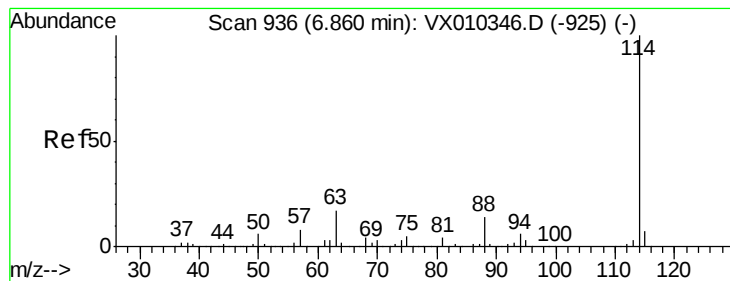
Tot Ion: 42 Resp: 284
Ion Ratio Lower Upper
42 100
72 0.0 40.6 60.8#
71 0.0 37.8 56.8#



#33
1,2-Dichloroethane-d4
Concen: 55.154 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010813.D
Acq: 11 Jul 2019 17:33

Tgt Ion: 65 Resp: 112656
Ion Ratio Lower Upper
65 100
67 54.8 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010813.D

Acq: 11 Jul 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

EB-02-190710

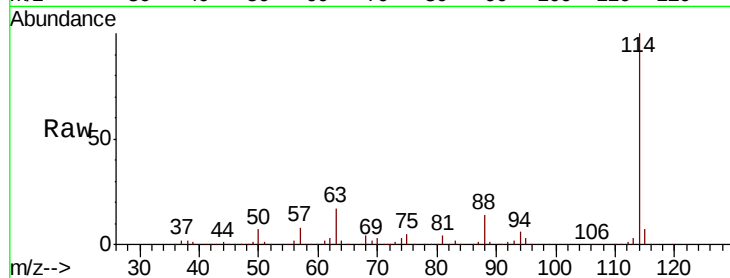
Tot Ion:114 Resp: 344766

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

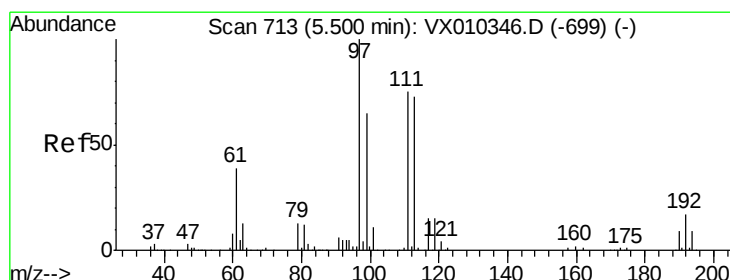
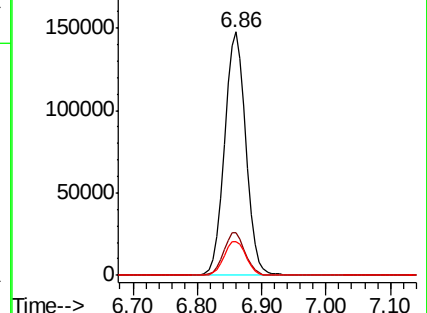
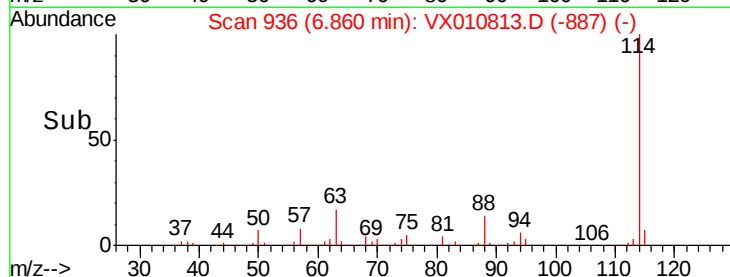
88 13.9 0.0 27.6



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



#35

Dibromofluoromethane

Concen: 49.527 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010813.D

Acq: 11 Jul 2019 17:33

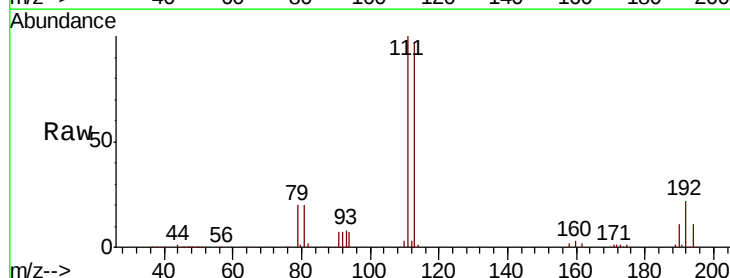
Tgt Ion:113 Resp: 104472

Ion Ratio Lower Upper

113 100

111 102.4 81.2 121.8

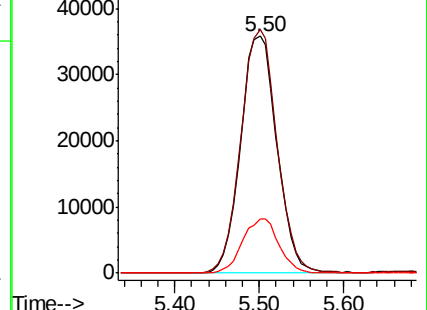
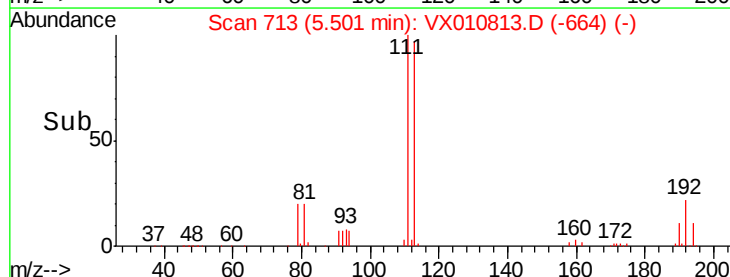
192 22.9 18.6 27.8

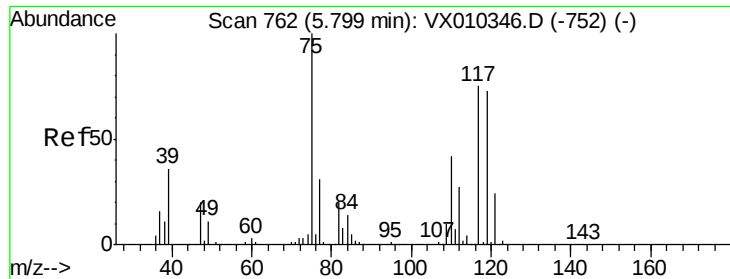


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

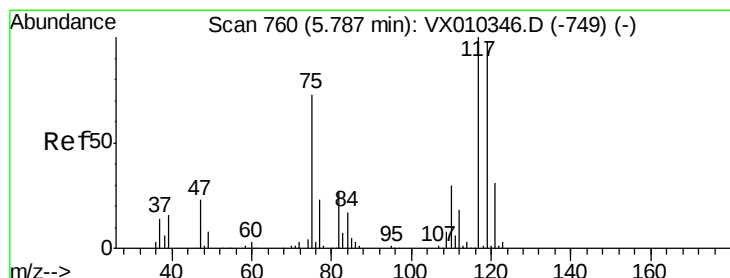
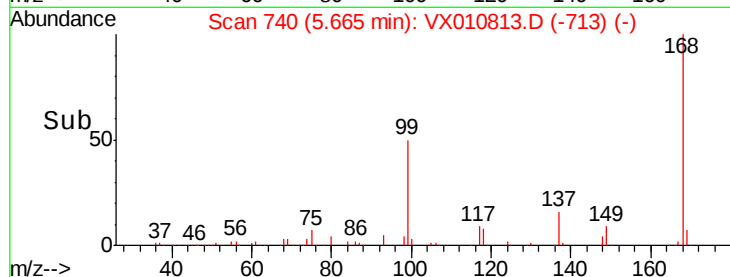
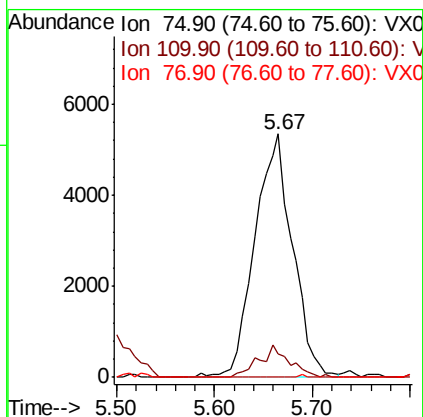
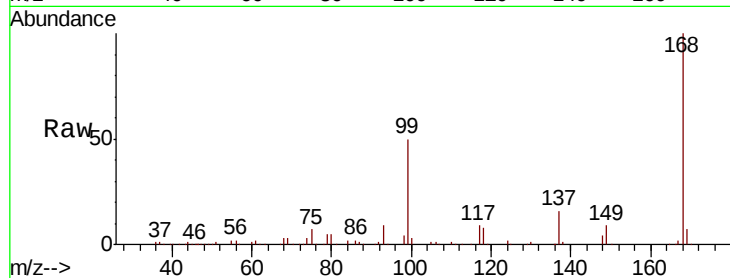




#36
 1,1-Dichloropropene
 Concen: 5.232 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010813.D
 Acq: 11 Jul 2019 17:33

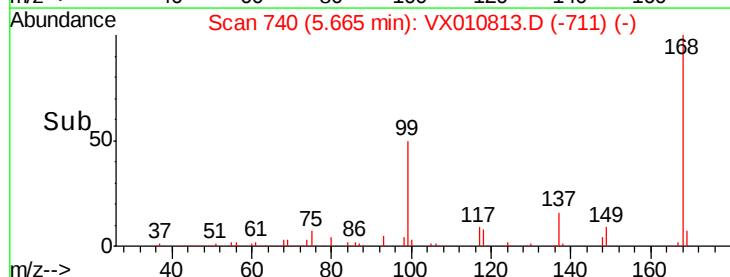
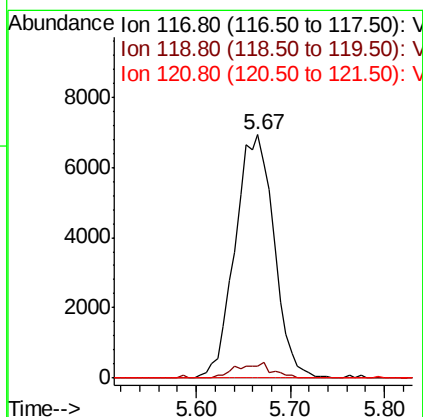
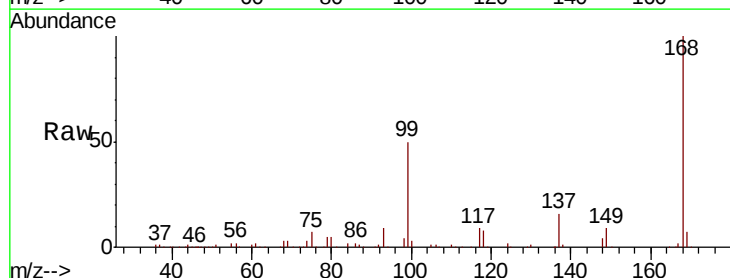
Instrument :
 MSVOA_X
 ClientSampleId :
 EB-02-190710

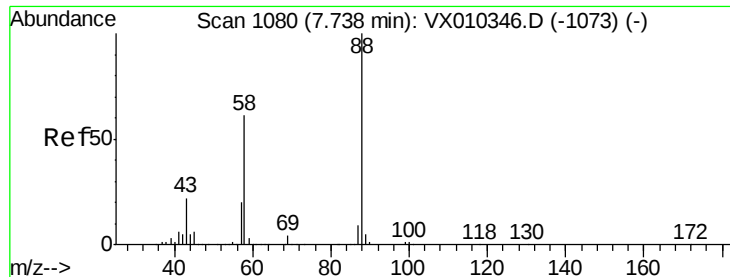
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	20.8	62.2#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.707 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010813.D
 Acq: 11 Jul 2019 17:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.2	117.4#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 0.304 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX010813.D

Acq: 11 Jul 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

EB-02-190710

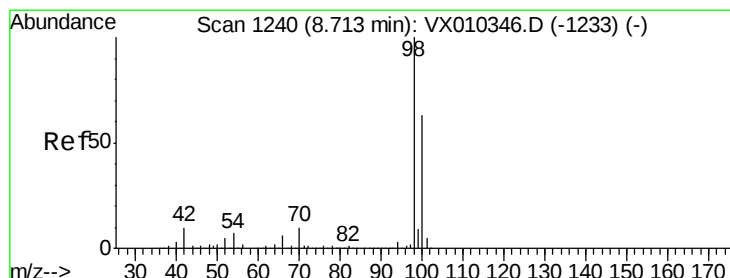
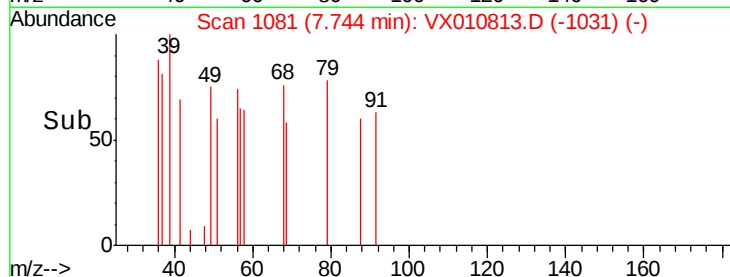
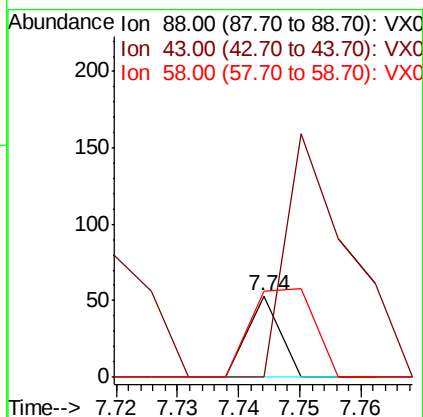
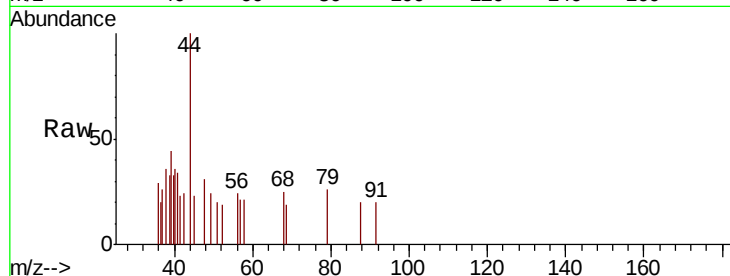
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 600.0 20.2 30.2#

58 221.1 49.5 74.3#



#50

Toluene-d8

Concen: 51.174 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010813.D

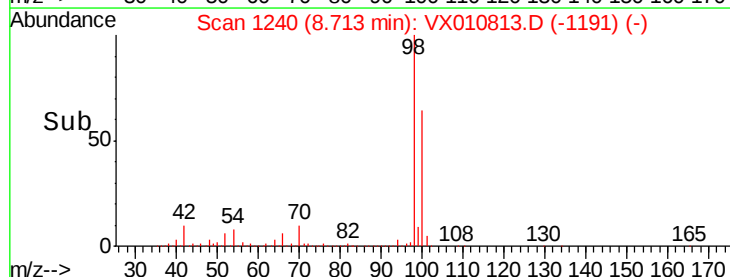
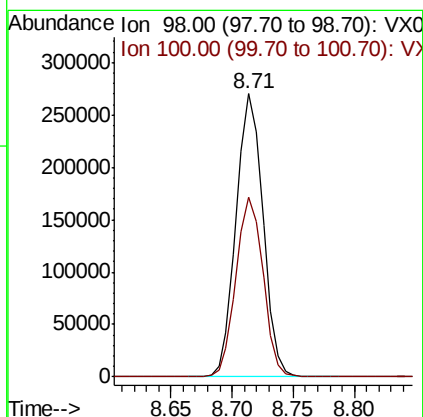
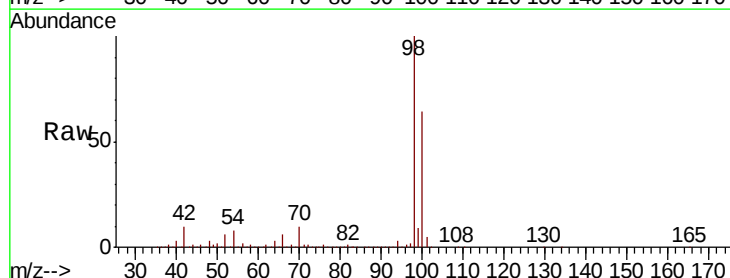
Acq: 11 Jul 2019 17:33

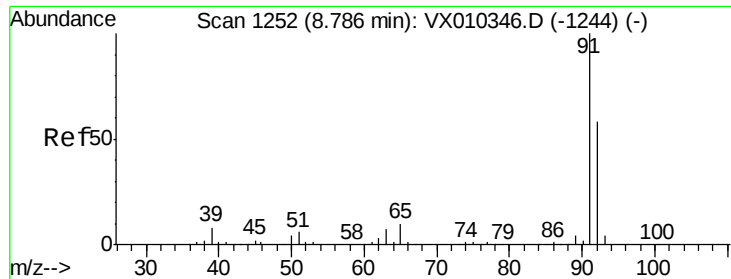
Tgt Ion: 98 Resp: 412979

Ion Ratio Lower Upper

98 100

100 63.8 51.6 77.4





#52

Toluene

Concen: 22.995 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010813.D

Acq: 11 Jul 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

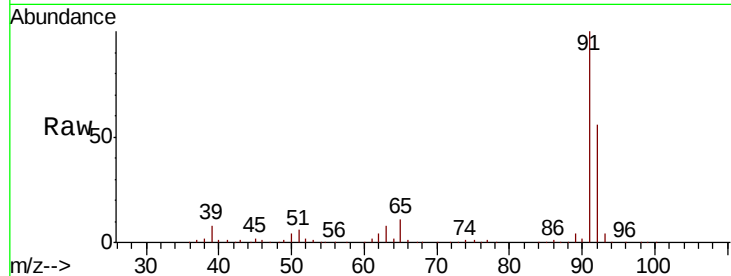
EB-02-190710

Tot Ion: 92 Resp: 129254

Ion Ratio Lower Upper

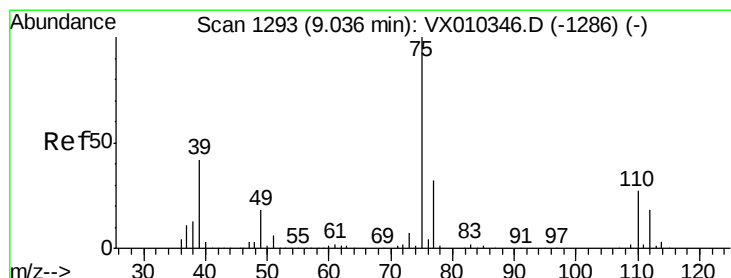
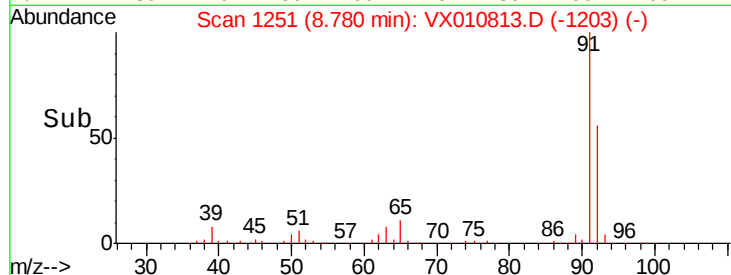
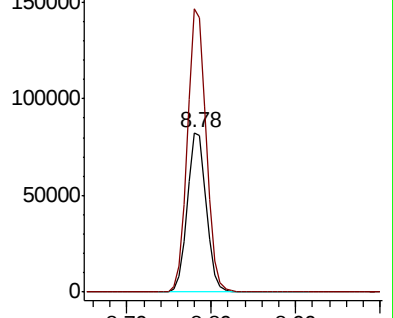
92 100

91 175.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.520 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.25 min

Lab File: VX010813.D

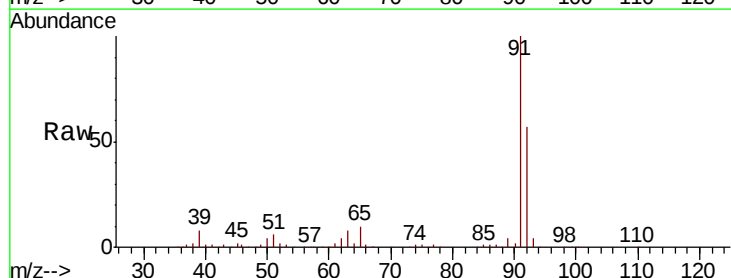
Acq: 11 Jul 2019 17:33

Tgt Ion: 75 Resp: 1651

Ion Ratio Lower Upper

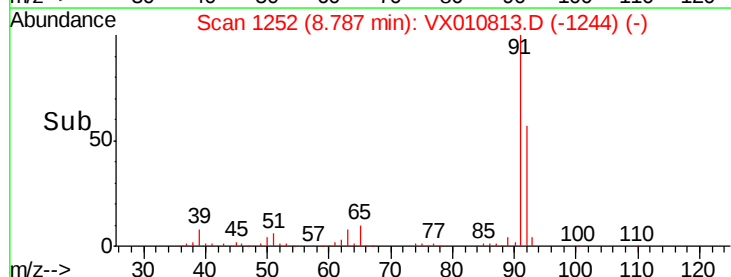
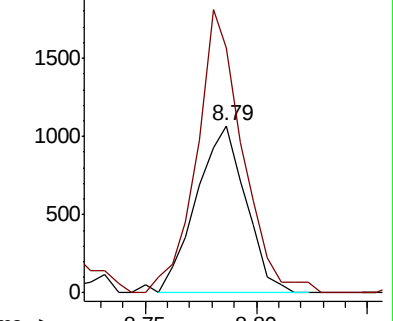
75 100

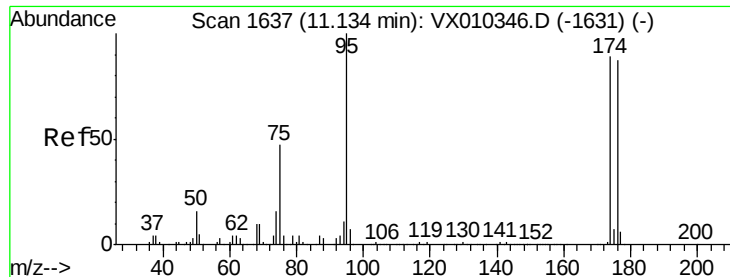
77 139.7 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#62

4-Bromofluorobenzene

Concen: 47.672 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010813.D

Acq: 11 Jul 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

EB-02-190710

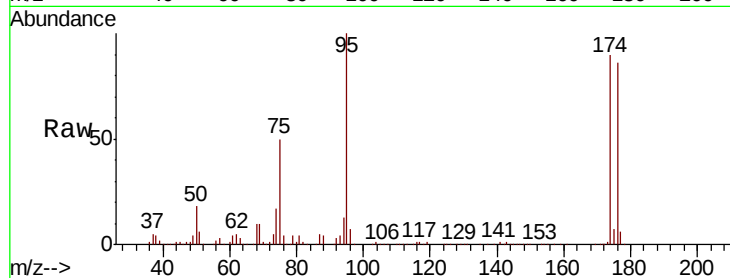
Tot Ion: 95 Resp: 138895

Ion Ratio Lower Upper

95 100

174 94.4 0.0 187.6

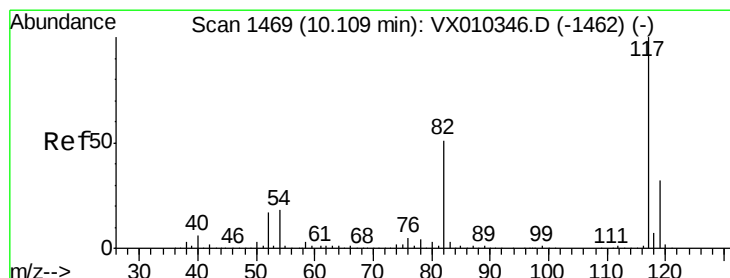
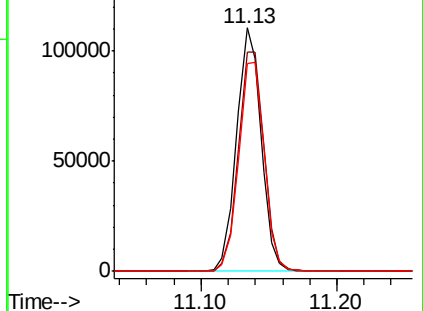
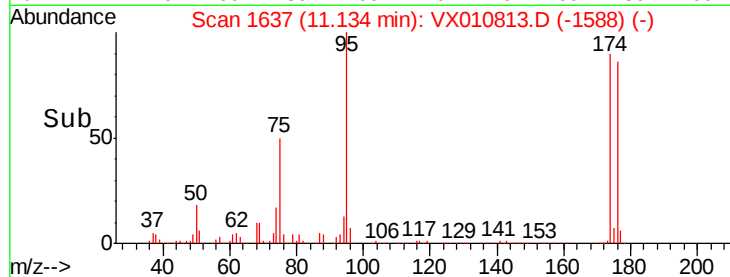
176 89.7 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010813.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010813.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010813.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010813.D

Acq: 11 Jul 2019 17:33

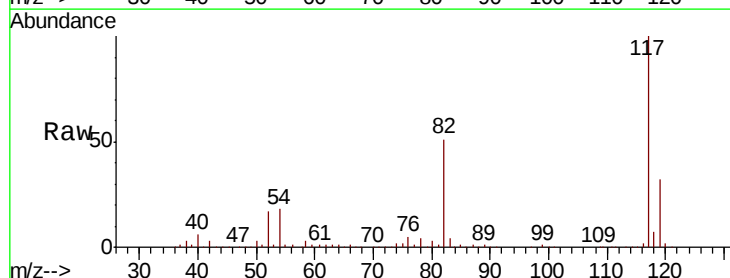
Tgt Ion: 117 Resp: 318172

Ion Ratio Lower Upper

117 100

82 51.5 41.2 61.8

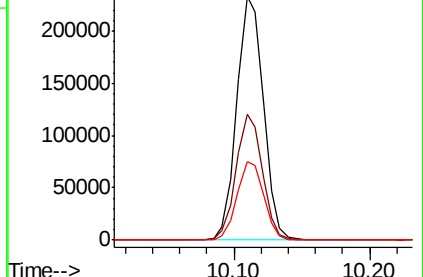
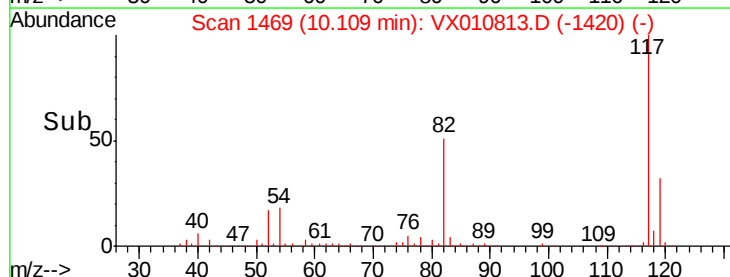
119 32.3 25.5 38.3

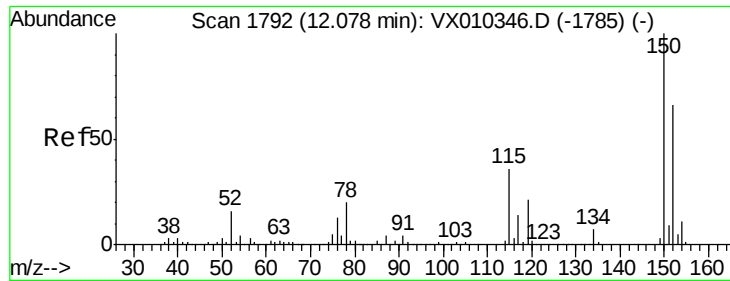


Abundance Ion 116.90 (116.60 to 117.60): VX010813.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010813.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010813.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010813.D

Acq: 11 Jul 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

EB-02-190710

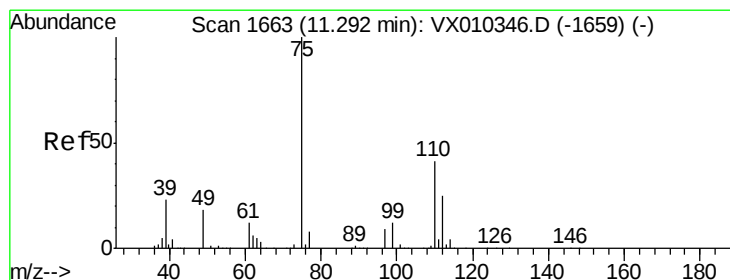
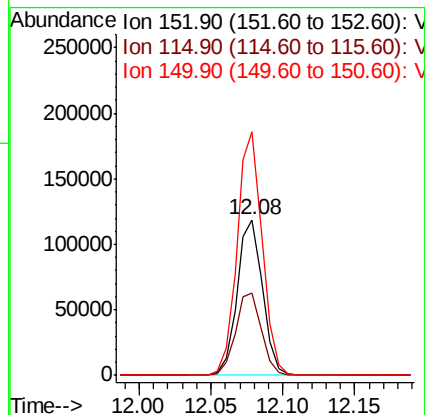
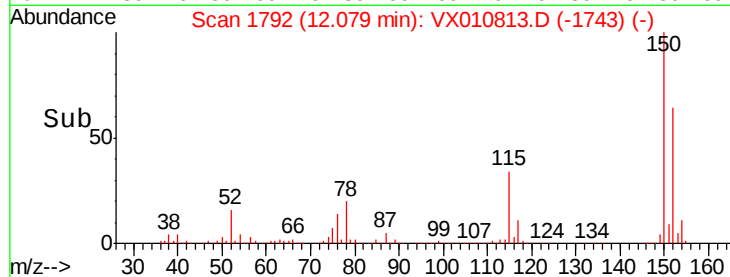
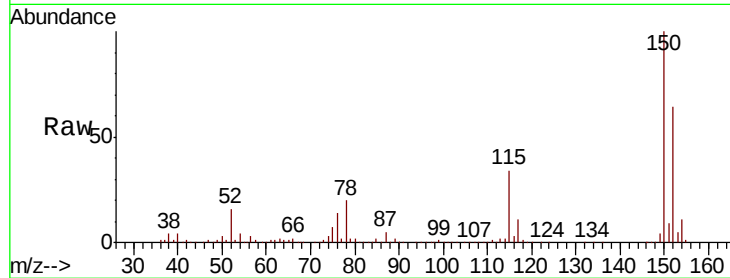
Tot Ion:152 Resp: 146001

Ion Ratio Lower Upper

152 100

115 54.7 38.6 115.7

150 154.5 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 25.963 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010813.D

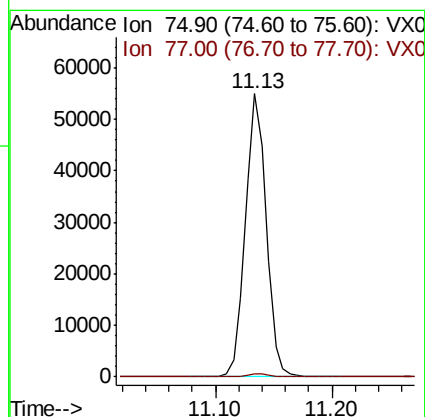
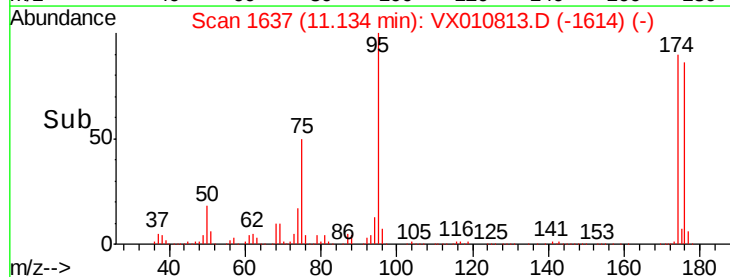
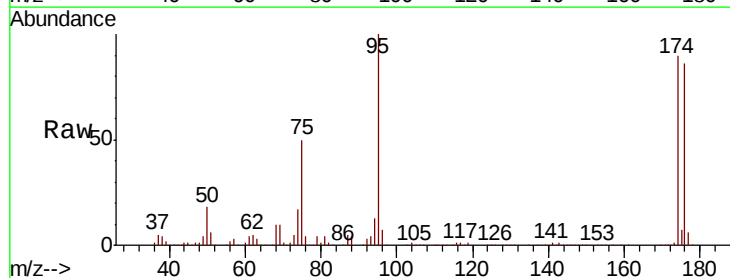
Acq: 11 Jul 2019 17:33

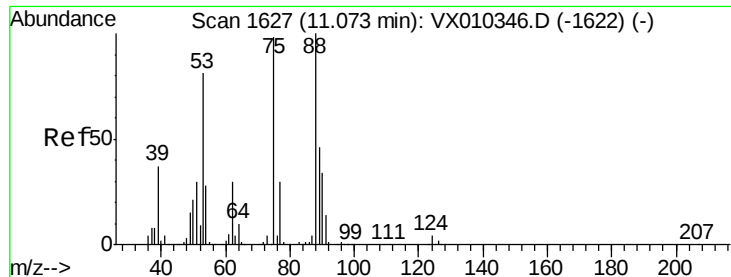
Tgt Ion: 75 Resp: 69074

Ion Ratio Lower Upper

75 100

77 1.2 22.6 67.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.568 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010813.D

Acq: 11 Jul 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

EB-02-190710

Tot Ion: 75 Resp: 69074

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.1 37.8 56.6#

