

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062819\
 Data File : VX010547.D
 Acq On : 28 Jun 2019 20:04
 Operator : JC/SP
 Sample : K3521-37
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10D

Quant Time: Jun 29 04:41:51 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

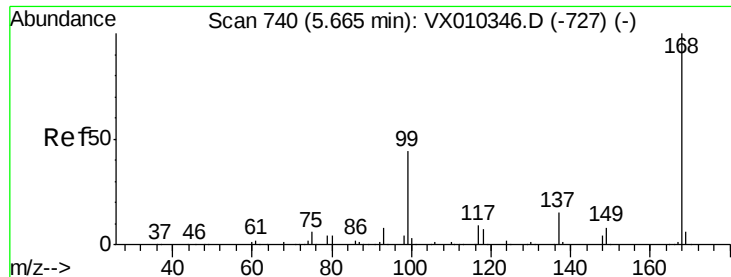
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	253991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	394767	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	357684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164621	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	124265	52.18	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	5.50	113	119614	49.52	ug/l	0.00
Spiked Amount						
50) Toluene-d8	8.71	98	467740	50.62	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	11.13	95	154712	46.38	ug/l	0.00
Spiked Amount						

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	702	0.398	ug/l	89
5) Bromomethane	1.65	94	283	0.258	ug/l #	72
6) Chloroethane	1.73	64	334	0.251	ug/l #	48
8) Diethyl Ether	2.20	74	909	0.710	ug/l	96
11) Tert butyl alcohol	3.02	59	2993	4.803	ug/l #	89
16) Acetone	2.45	43	2669	2.236	ug/l	90
20) Methylene Chloride	2.86	84	700	0.285	ug/l #	74
24) 1,1-Dichloroethane	3.70	63	1392	0.369	ug/l #	92
29) Tetrahydrofuran	5.15	42	749	0.691	ug/l #	45
30) Chloroform	5.21	83	20650	5.081	ug/l	95
36) 1,1-Dichloropropene	5.67	75	15649	4.988	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22747	6.696	ug/l #	15
44) Trichloroethene	7.21	130	1054	0.360	ug/l	100
49) 1,4-Dioxane	7.74	88	356	4.979	ug/l #	86
64) Tetrachloroethene	9.34	164	847	0.293	ug/l #	82
65) Chlorobenzene	10.13	112	6270	0.863	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	74098	24.701	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74098	57.624	ug/l #	16

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

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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062819\
Data File : VX010547.D
Acq On    : 28 Jun 2019   20:04
Operator  : JC/SP
Sample    : K3521-37
Misc      : 5.0mL/MSVOA X/WATER
ALS Vial  : 24   Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010547.D

Acq: 28 Jun 2019 20:04

Instrument :

MSVOA_X

ClientSampled :

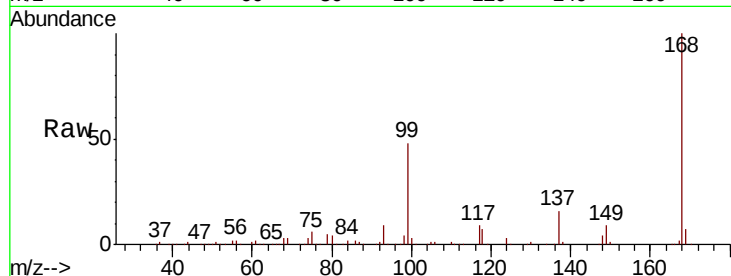
PK-10D

Tot Ion:168 Resp: 253991

Ion Ratio Lower Upper

168 100

99 47.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

40000

20000

0

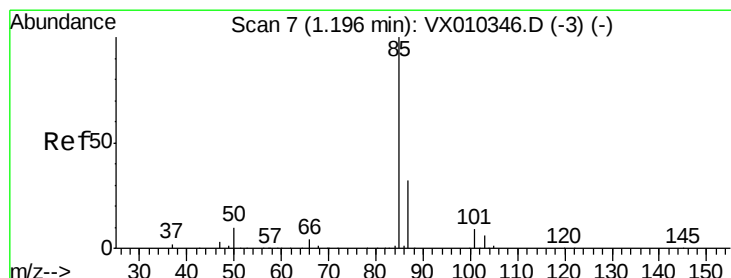
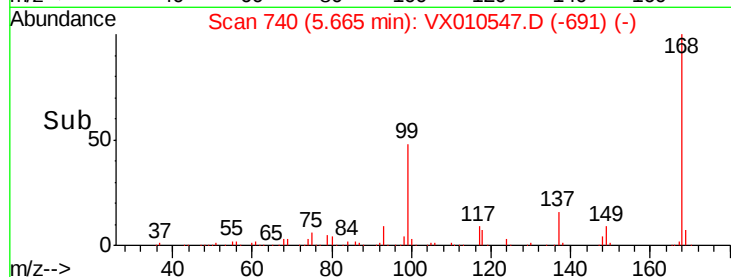
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 0.398 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010547.D

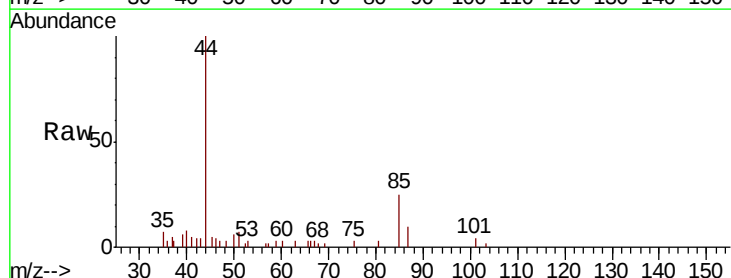
Acq: 28 Jun 2019 20:04

Tgt Ion: 85 Resp: 702

Ion Ratio Lower Upper

85 100

87 38.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

600

400

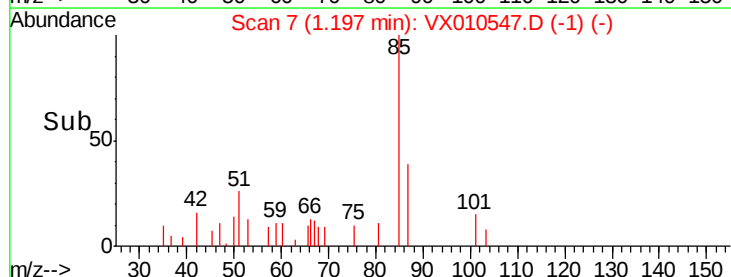
200

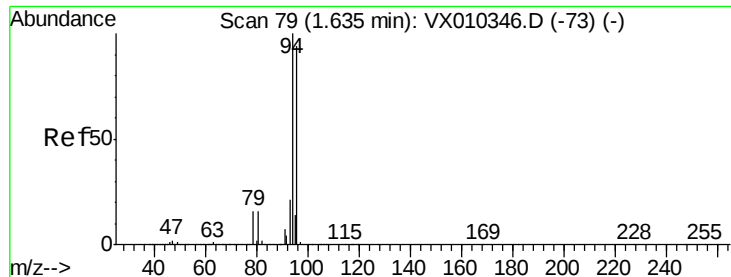
0

Time-->

1.20

1.25





#5

Bromomethane

Concen: 0.258 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010547.D

Acq: 28 Jun 2019 20:04

Instrument :

MSVOA_X

ClientSampled :

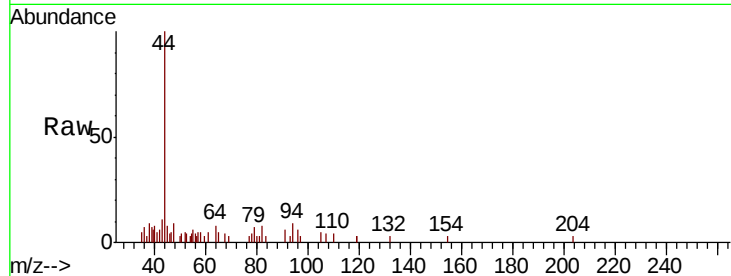
PK-10D

Tot Ion: 94 Resp: 283

Ion Ratio Lower Upper

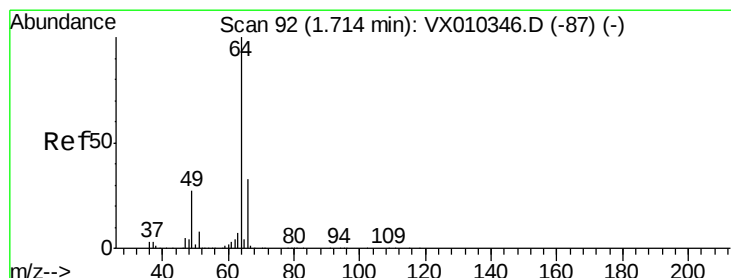
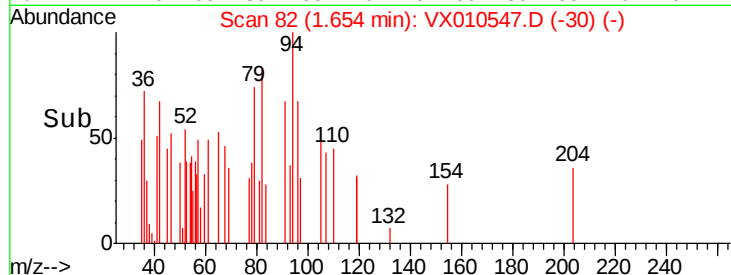
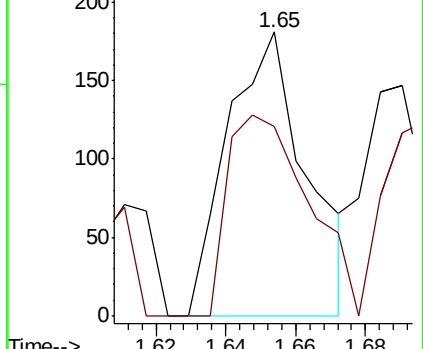
94 100

96 66.9 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.251 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX010547.D

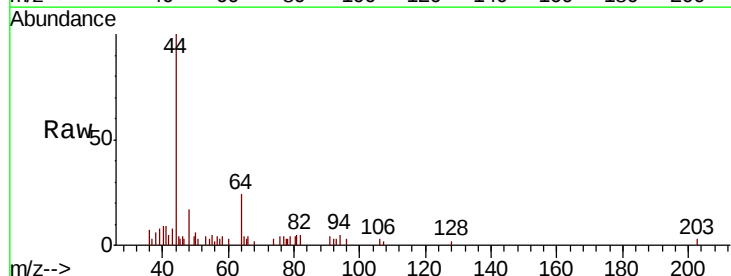
Acq: 28 Jun 2019 20:04

Tgt Ion: 64 Resp: 334

Ion Ratio Lower Upper

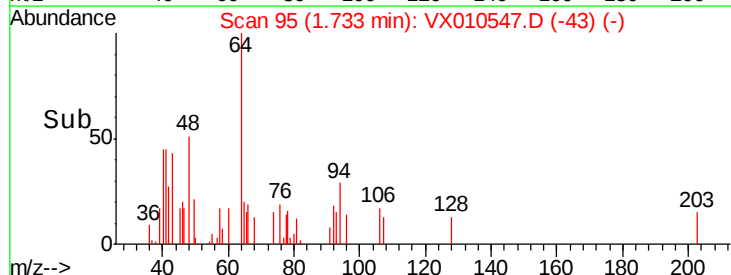
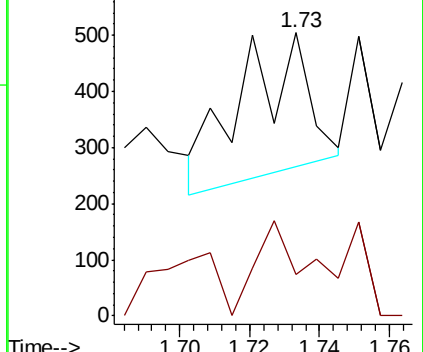
64 100

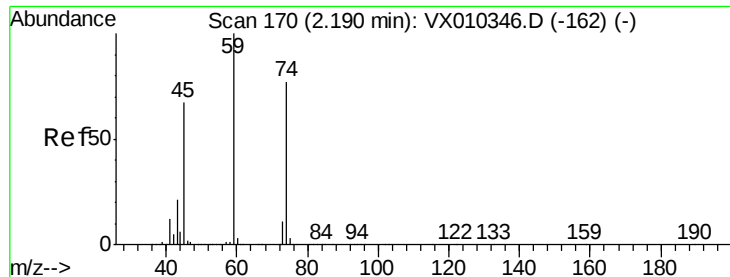
66 3.7 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.710 ug/l

RT: 2.20 min Scan# 171

Delta R.T. 0.01 min

Lab File: VX010547.D

Acq: 28 Jun 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

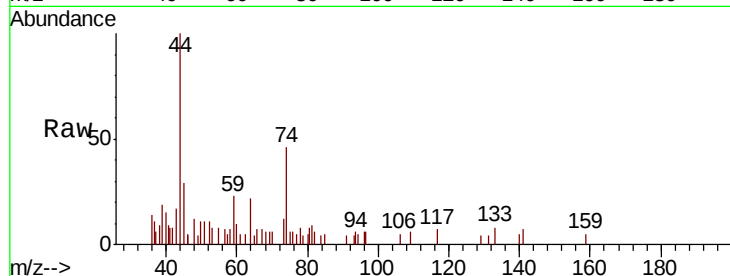
PK-10D

Tot Ion: 74 Resp: 909

Ion Ratio Lower Upper

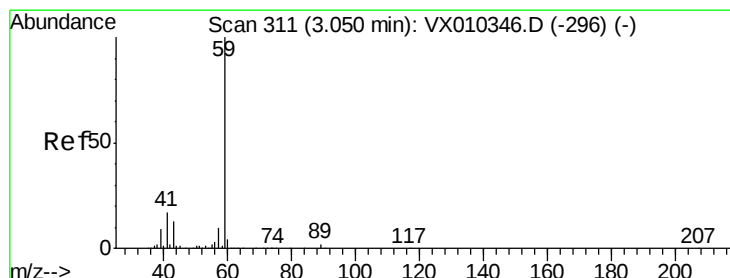
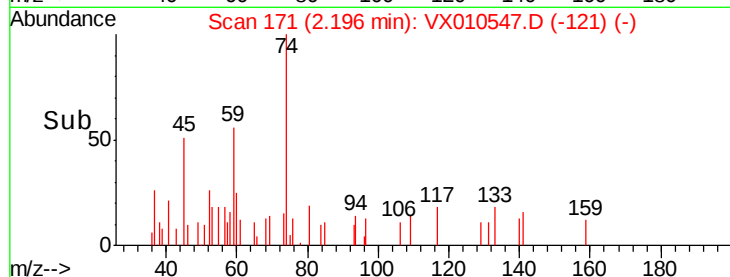
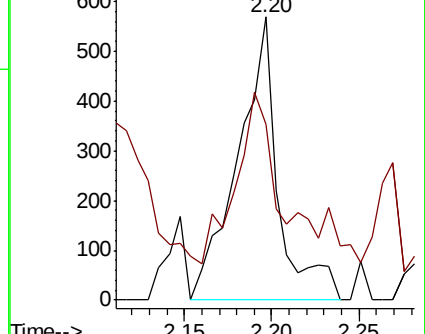
74 100

45 93.2 44.8 134.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 4.803 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010547.D

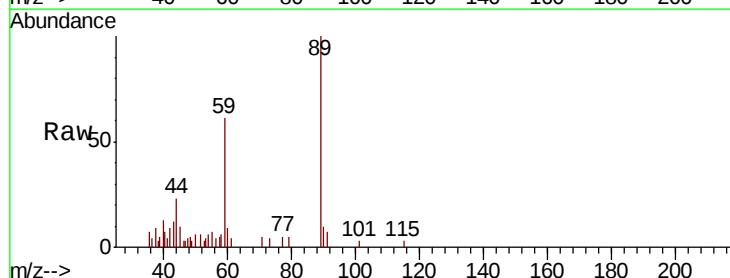
Acq: 28 Jun 2019 20:04

Tgt Ion: 59 Resp: 2993

Ion Ratio Lower Upper

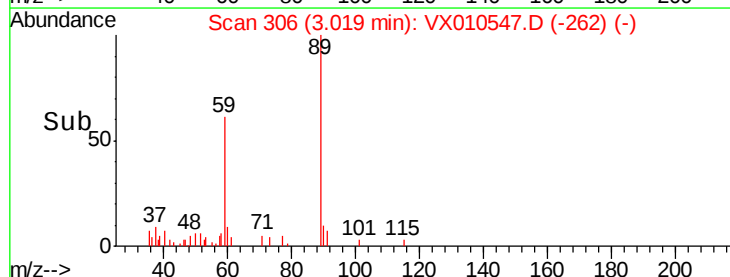
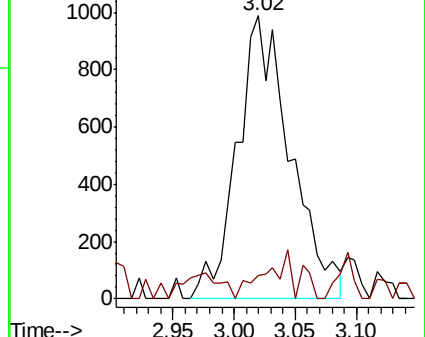
59 100

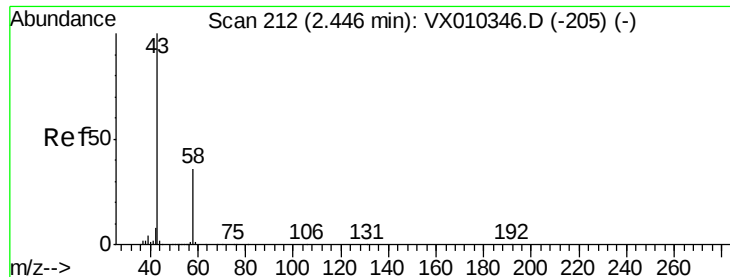
57 5.6 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.236 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010547.D

Acq: 28 Jun 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

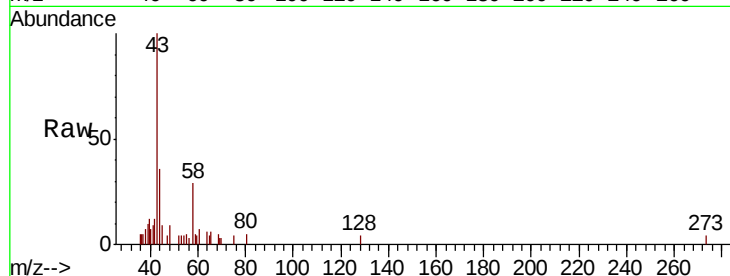
PK-10D

Tot Ion: 43 Resp: 2669

Ion Ratio Lower Upper

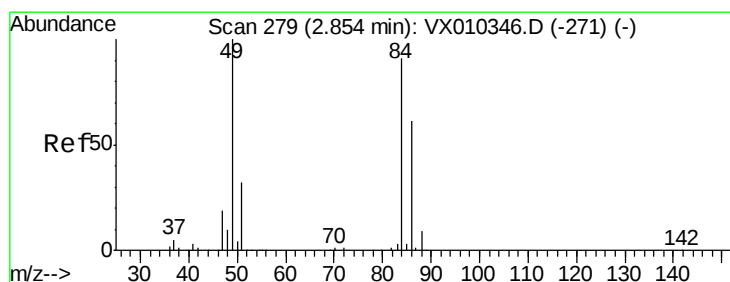
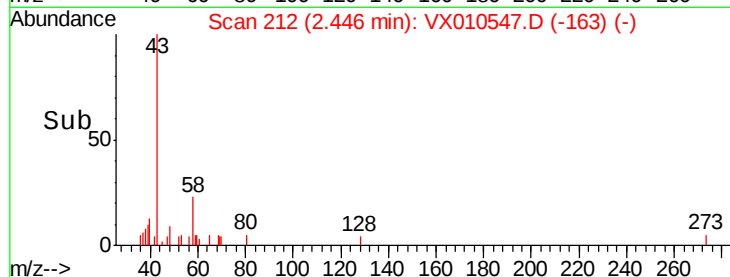
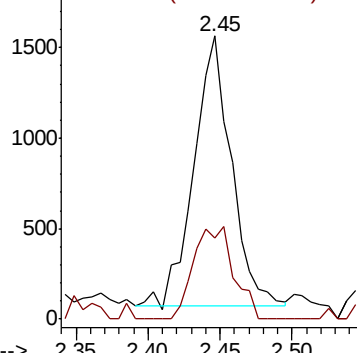
43 100

58 30.0 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.285 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX010547.D

Acq: 28 Jun 2019 20:04

Tgt Ion: 84 Resp: 700

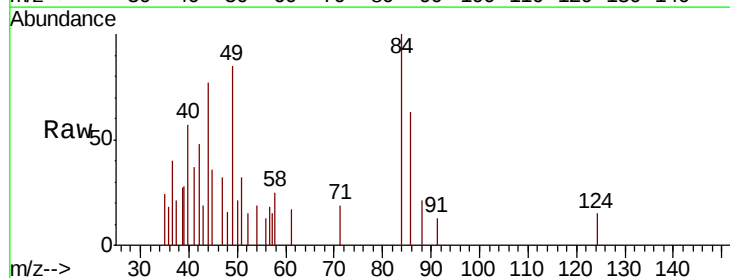
Ion Ratio Lower Upper

84 100

49 71.1 87.5 131.3#

51 13.9 27.7 41.5#

86 62.7 53.4 80.0

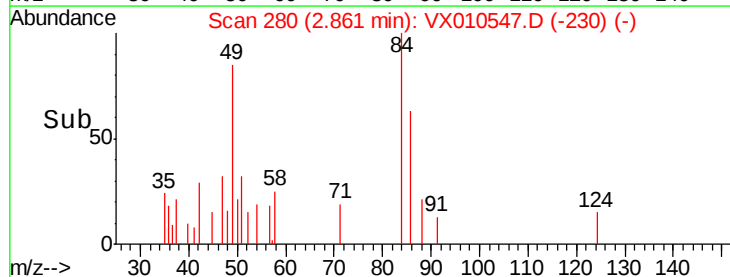
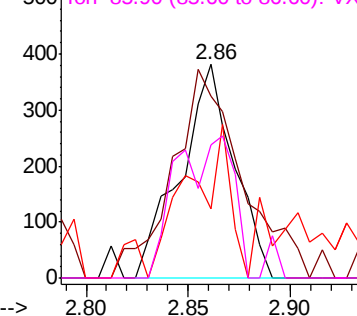


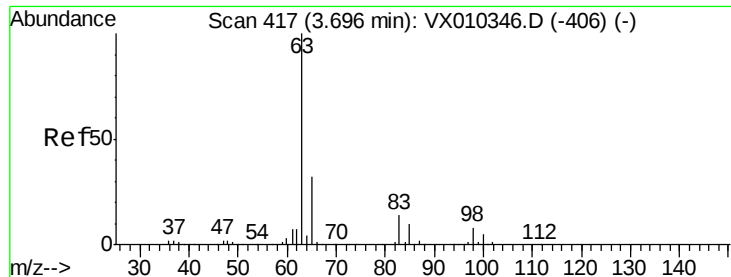
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#24

1,1-Dichloroethane

Concen: 0.369 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010547.D

Acq: 28 Jun 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

PK-10D

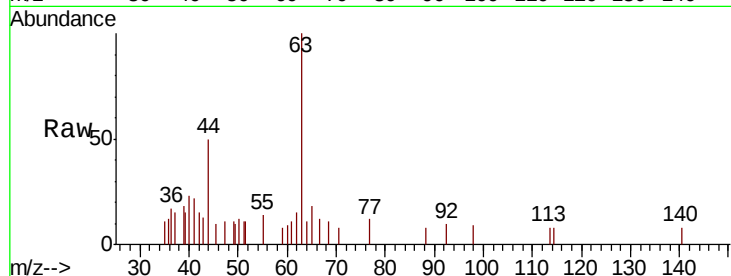
Tot Ion: 63 Resp: 1392

Ion Ratio Lower Upper

63 100

98 9.1 3.9 11.7

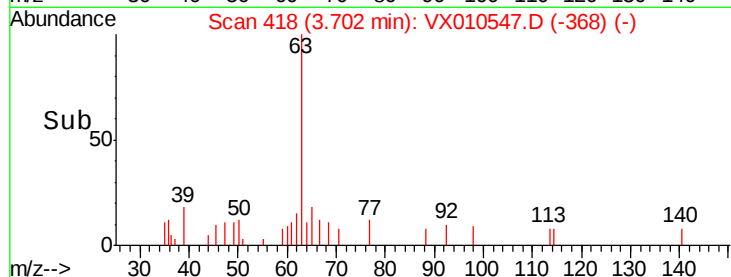
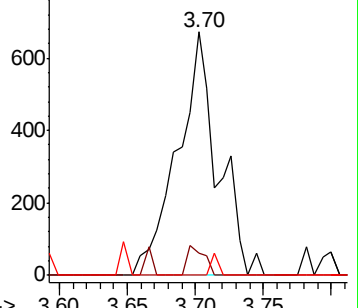
100 0.0 2.4 7.1#



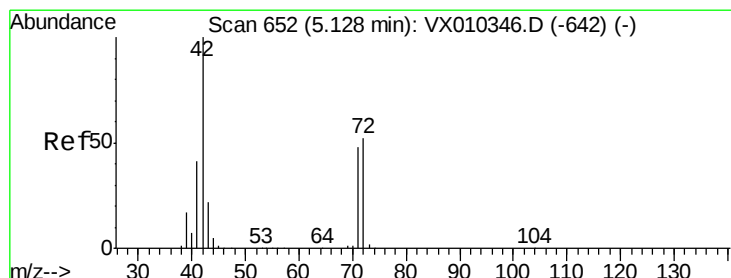
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.691 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX010547.D

Acq: 28 Jun 2019 20:04

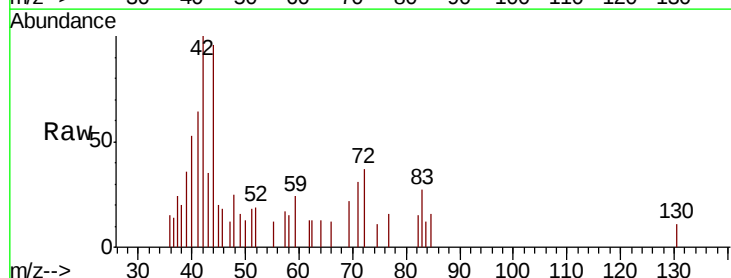
Tgt Ion: 42 Resp: 749

Ion Ratio Lower Upper

42 100

72 78.2 40.6 60.8#

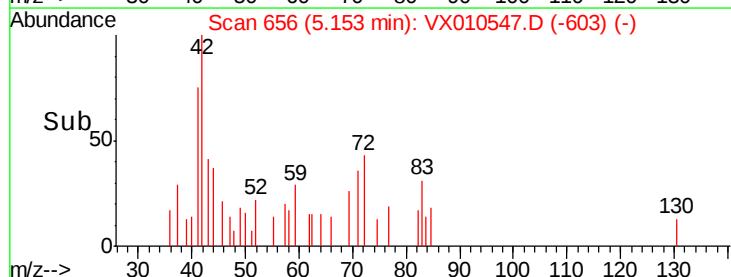
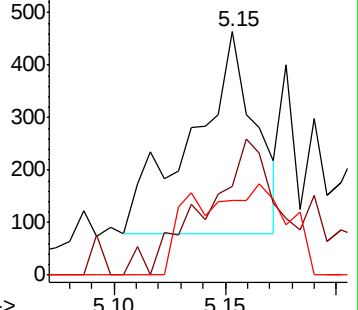
71 0.0 37.8 56.8#



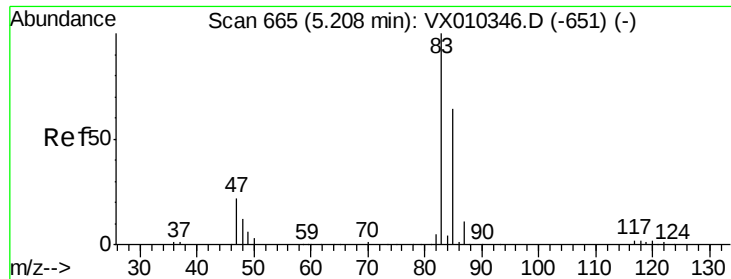
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



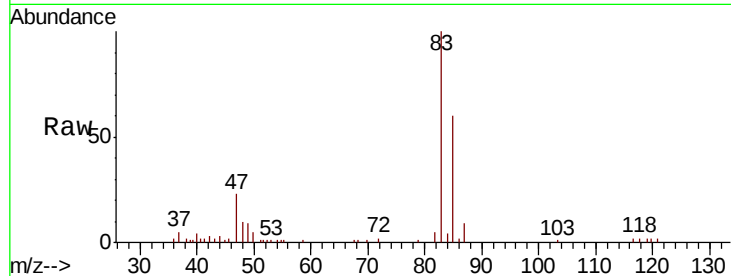
Time-->



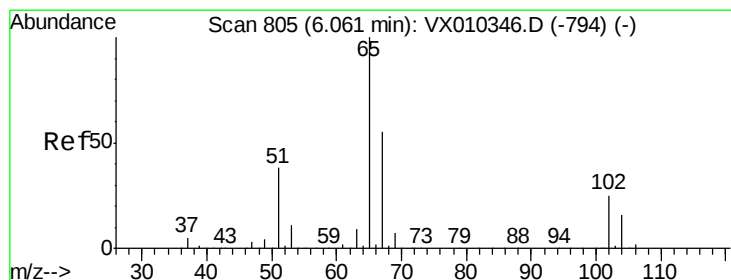
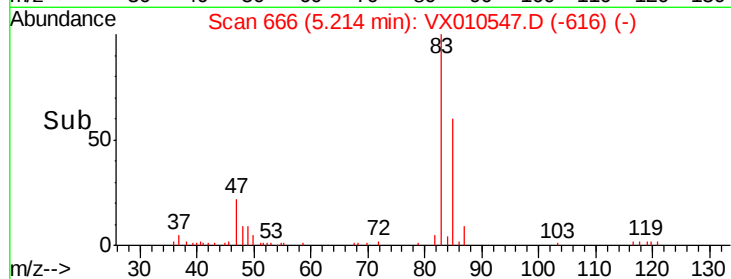
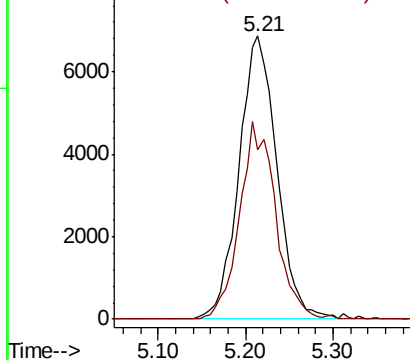
#30
Chloroform
Concen: 5.081 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010547.D
Acq: 28 Jun 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
PK-10D

Tot Ion: 83 Resp: 20650
Ion Ratio Lower Upper
83 100
85 59.7 50.9 76.3

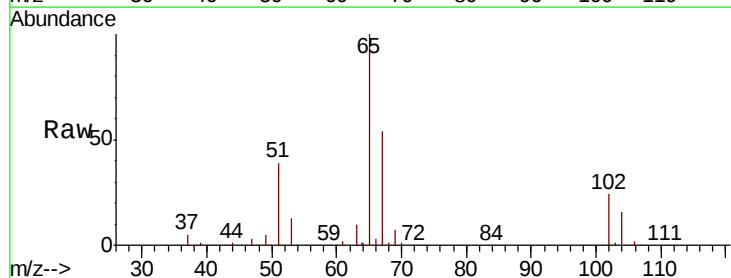


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

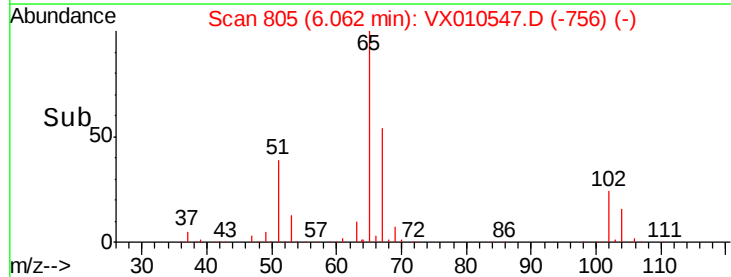
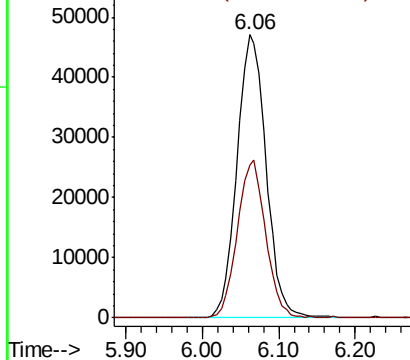


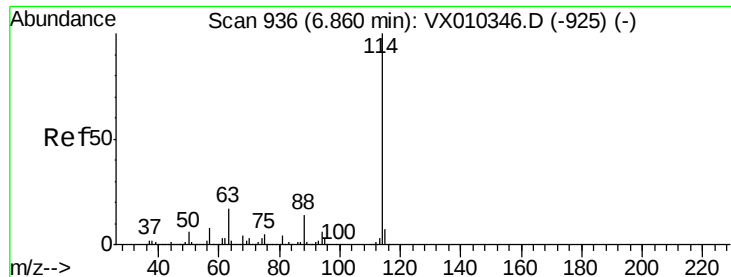
#33
1,2-Dichloroethane-d4
Concen: 52.181 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010547.D
Acq: 28 Jun 2019 20:04

Tgt Ion: 65 Resp: 124265
Ion Ratio Lower Upper
65 100
67 54.1 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

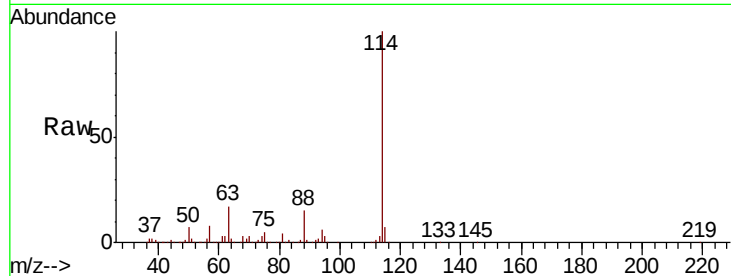




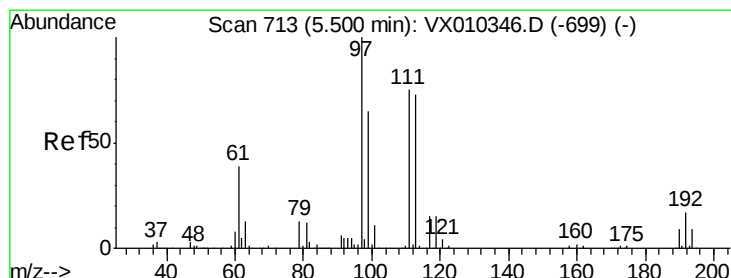
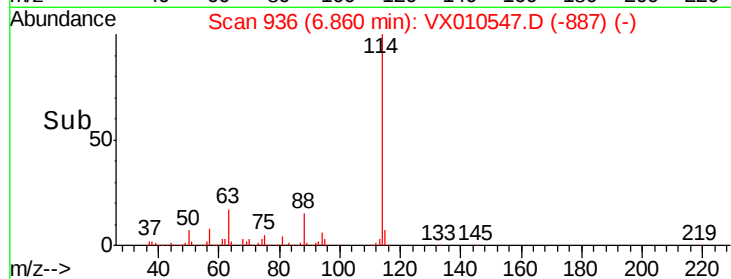
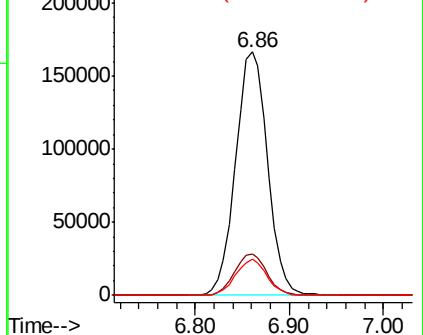
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010547.D
 Acq: 28 Jun 2019 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10D

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	33.8
88	14.9	0.0	27.6

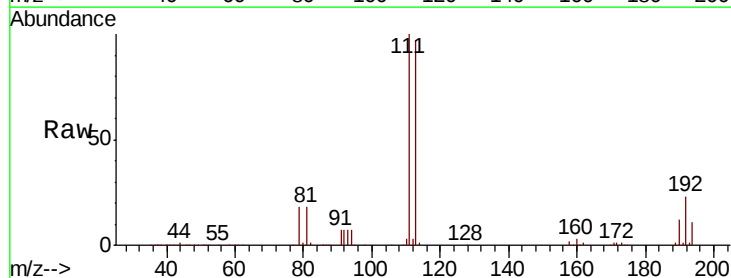


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

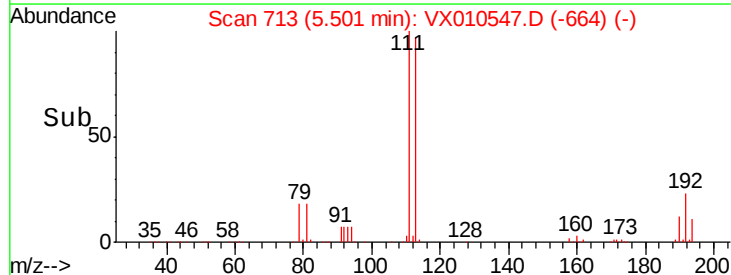
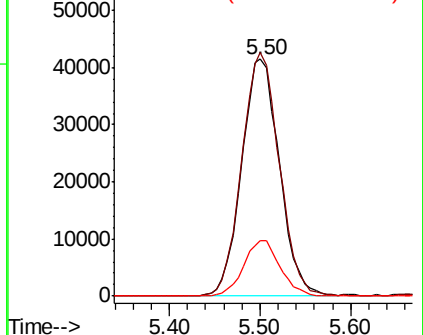


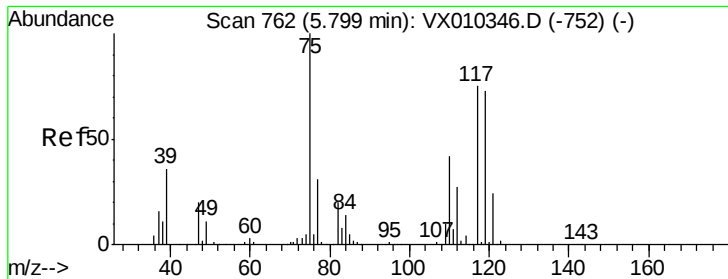
#35
 Dibromofluoromethane
 Concen: 49.523 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010547.D
 Acq: 28 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.2	121.8
192	22.7	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

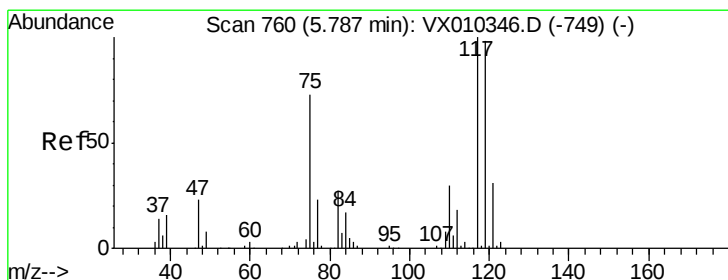
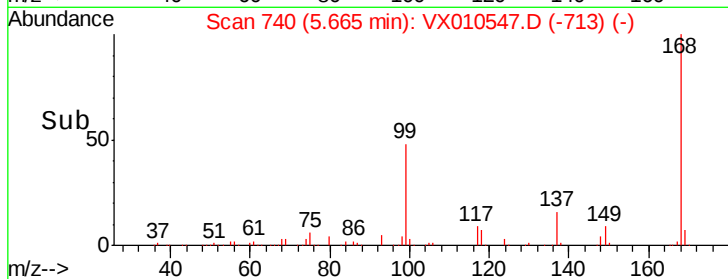
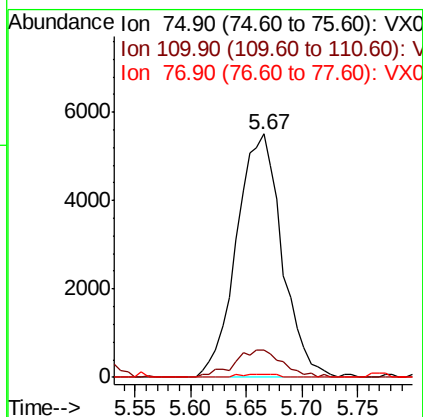
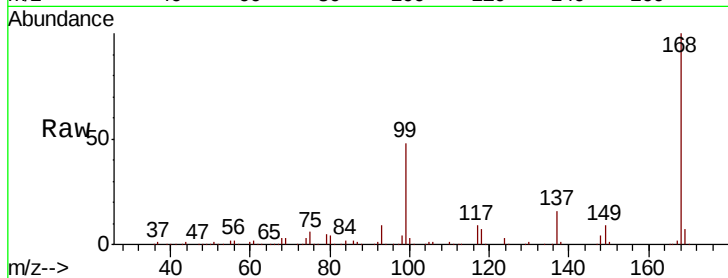




#36
 1,1-Dichloropropene
 Concen: 4.988 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010547.D
 Acq: 28 Jun 2019 20:04

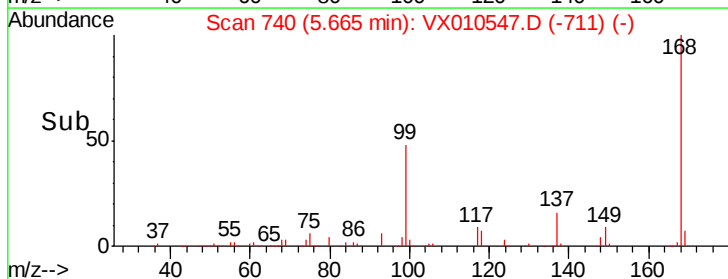
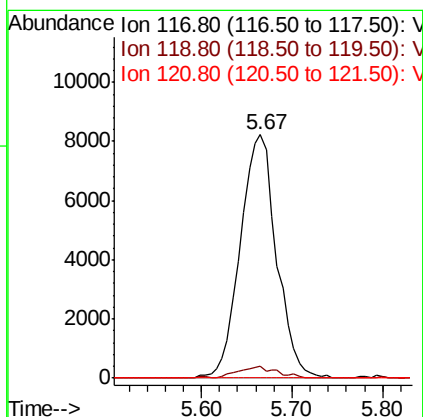
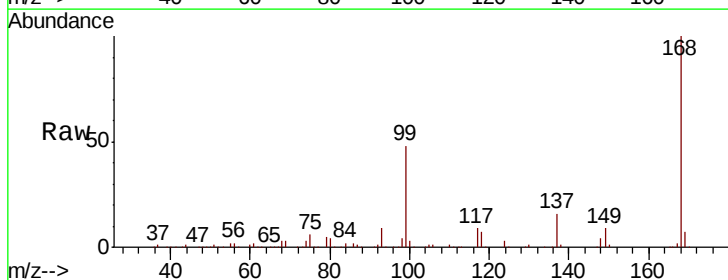
Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10D

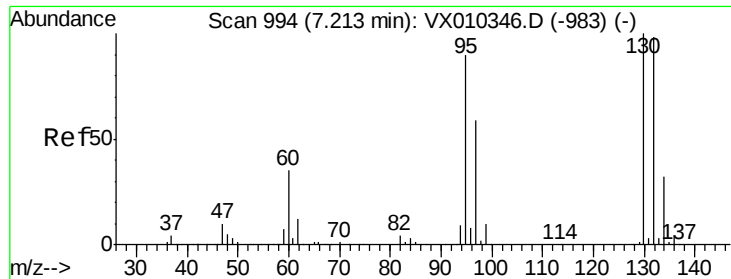
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.0	20.8	62.2#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.696 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010547.D
 Acq: 28 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.2	117.4#
121	0.0	24.7	37.1#





#44

Trichloroethene

Concen: 0.360 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010547.D

Acq: 28 Jun 2019 20:04

Instrument :

MSVOA_X

ClientSampled :

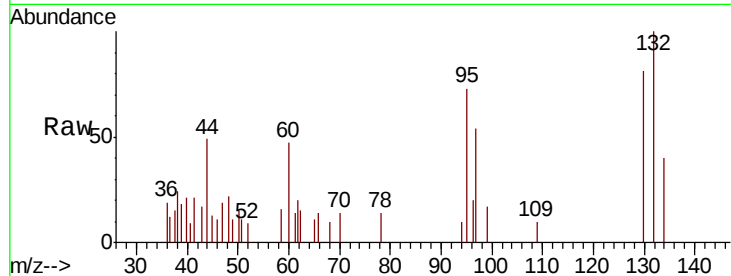
PK-10D

Tot Ion:130 Resp: 1054

Ion Ratio Lower Upper

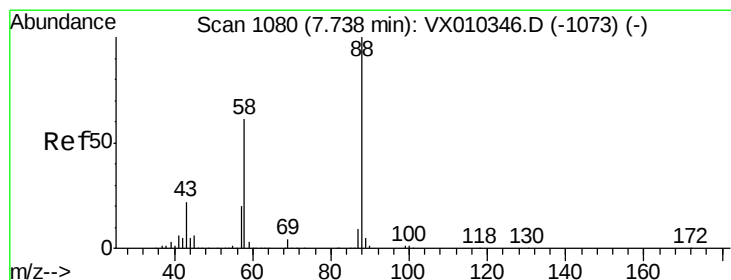
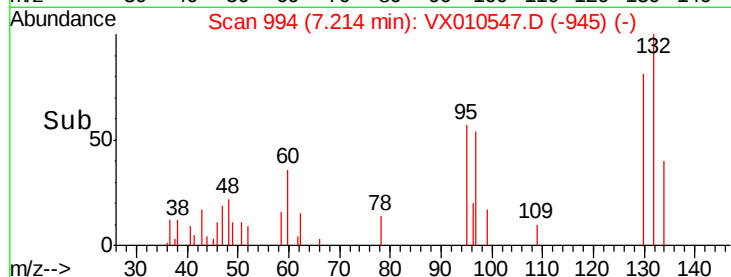
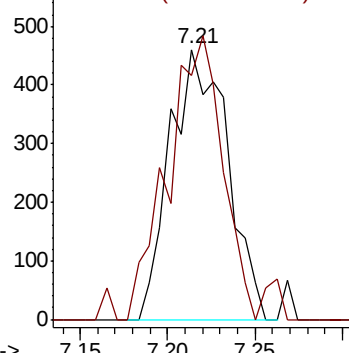
130 100

95 90.4 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 4.979 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX010547.D

Acq: 28 Jun 2019 20:04

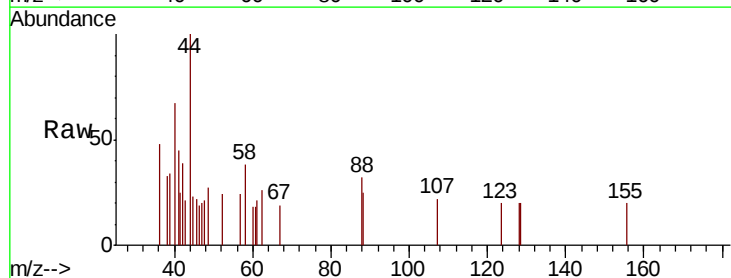
Tgt Ion: 88 Resp: 356

Ion Ratio Lower Upper

88 100

43 20.8 20.2 30.2

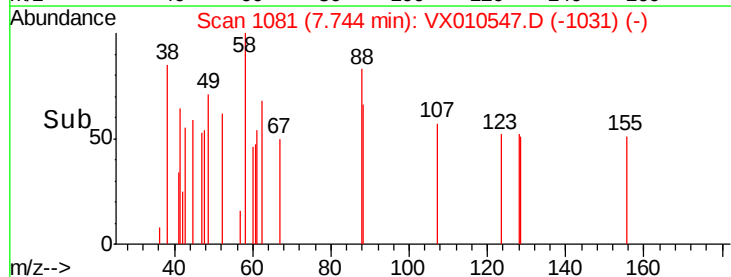
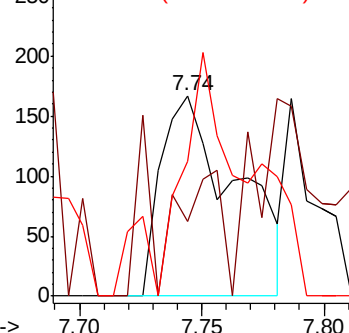
58 74.7 49.5 74.3#

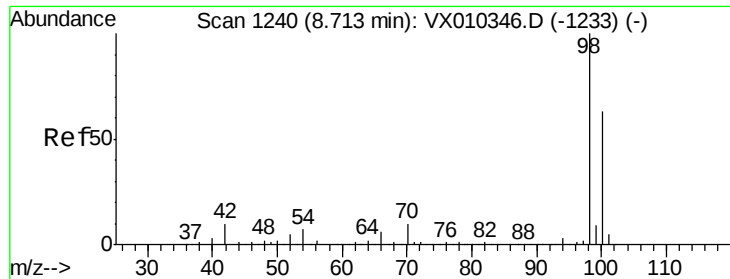


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.618 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010547.D

Acq: 28 Jun 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

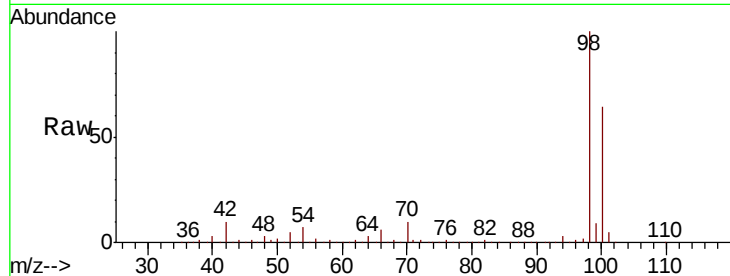
PK-10D

Tot Ion: 98 Resp: 467740

Ion Ratio Lower Upper

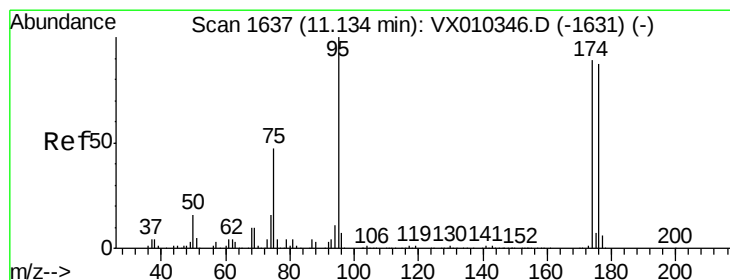
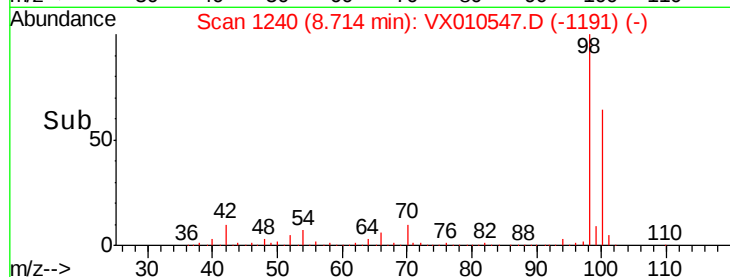
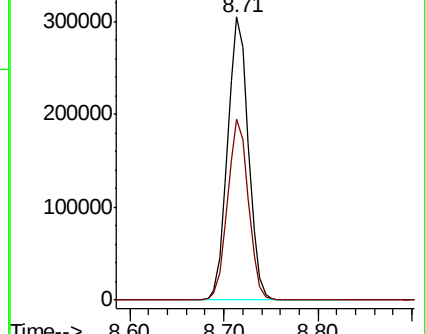
98 100

100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.375 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010547.D

Acq: 28 Jun 2019 20:04

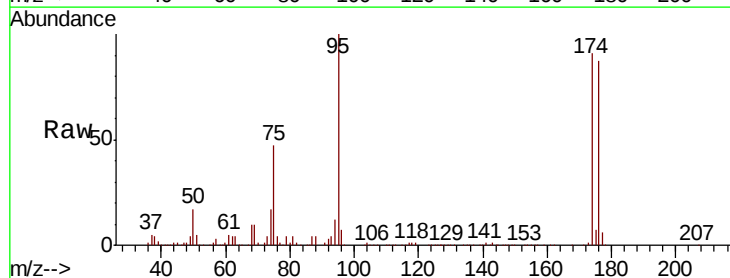
Tgt Ion: 95 Resp: 154712

Ion Ratio Lower Upper

95 100

174 95.8 0.0 187.6

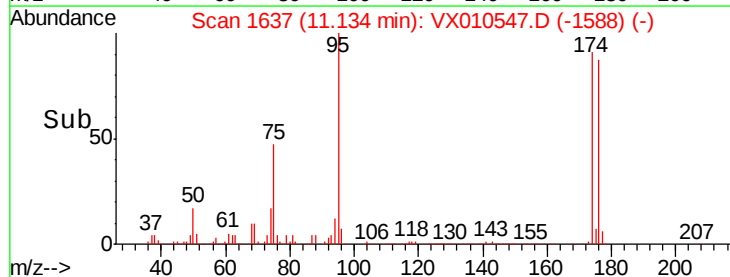
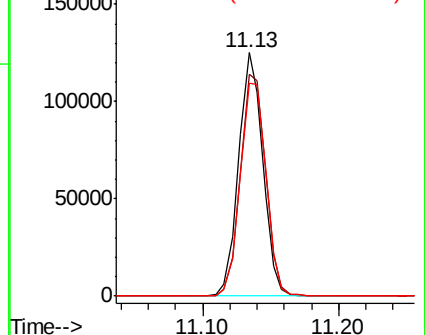
176 93.9 0.0 184.0

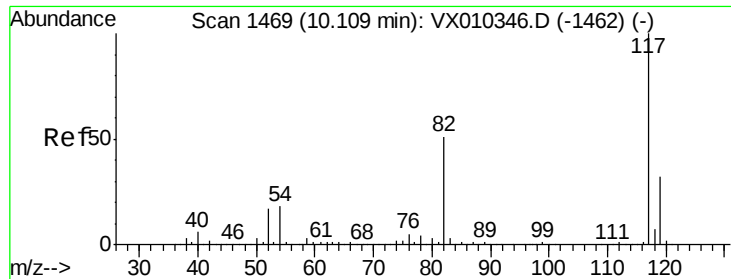


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

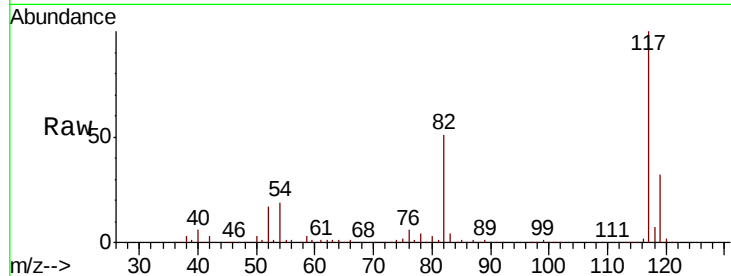




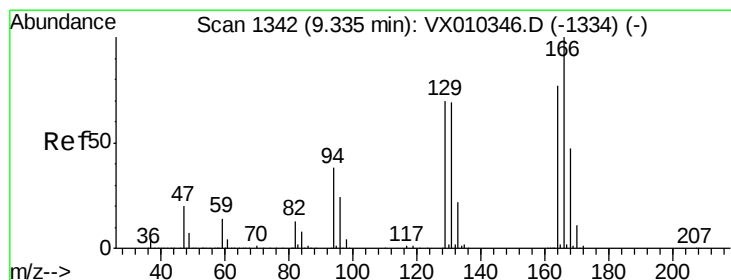
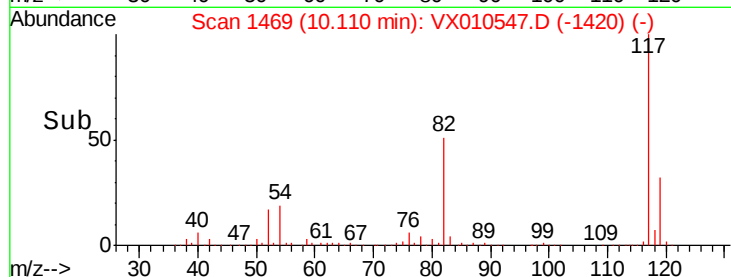
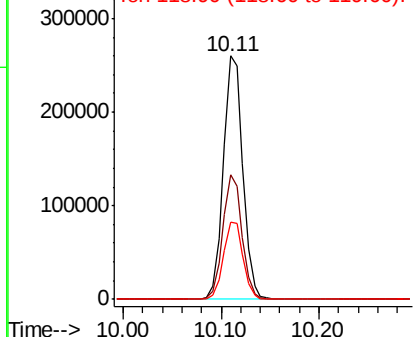
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010547.D
Acq: 28 Jun 2019 20:04

Instrument :
MSVOA_X
ClientSampleId :
PK-10D

Tot Ion:117 Resp: 357684
Ion Ratio Lower Upper
117 100
82 51.3 41.2 61.8
119 31.7 25.5 38.3

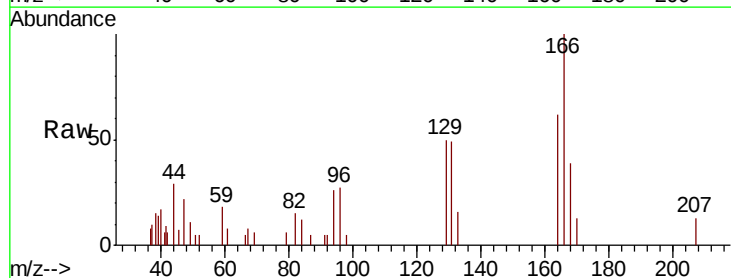


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

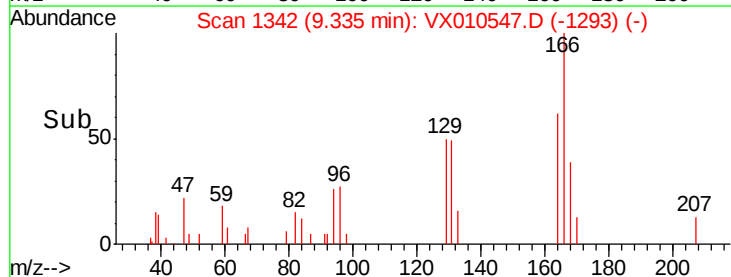
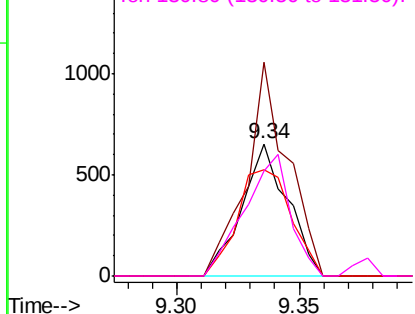


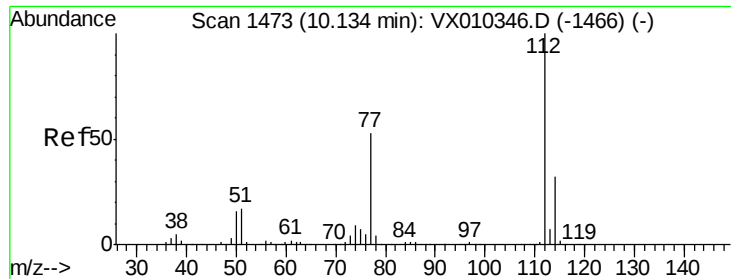
#64
Tetrachloroethene
Concen: 0.293 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010547.D
Acq: 28 Jun 2019 20:04

Tgt Ion:164 Resp: 847
Ion Ratio Lower Upper
164 100
166 161.7 103.6 155.4#
129 80.9 73.0 109.4
131 79.0 71.0 106.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

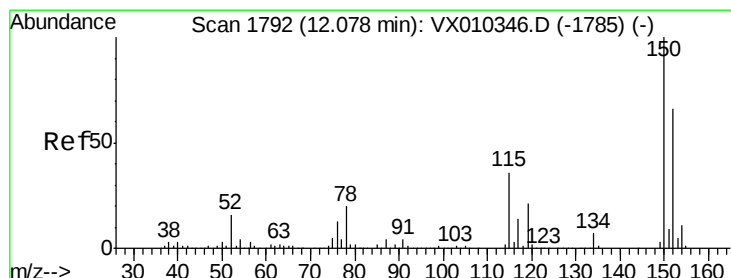
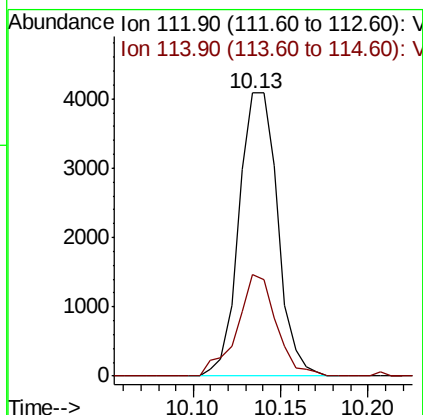
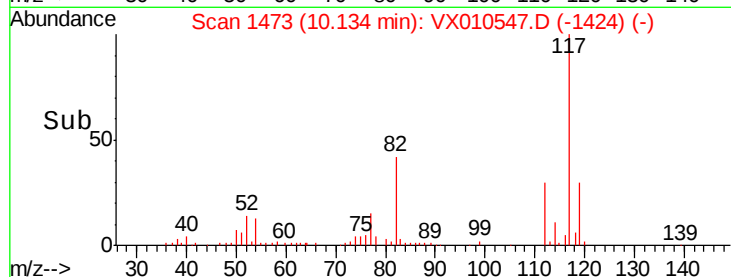
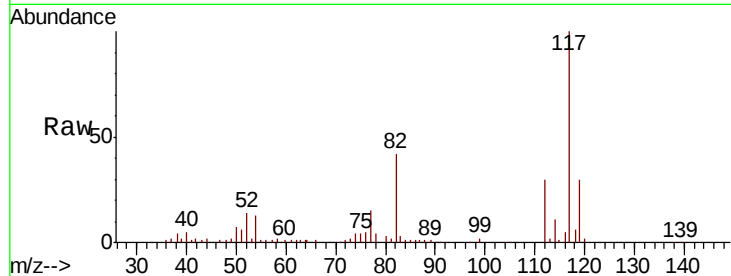




#65
Chlorobenzene
Concen: 0.863 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010547.D
Acq: 28 Jun 2019 20:04

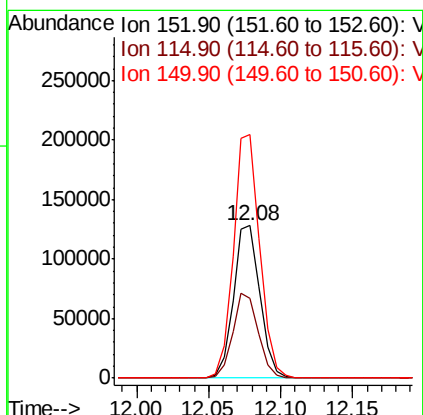
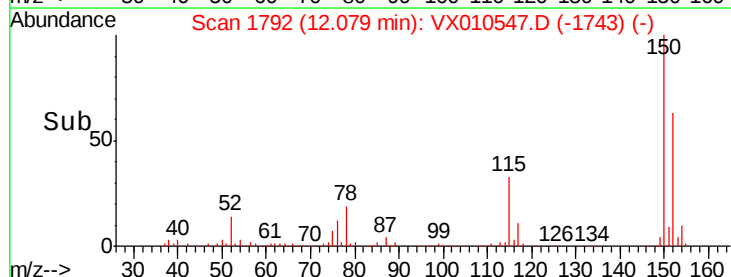
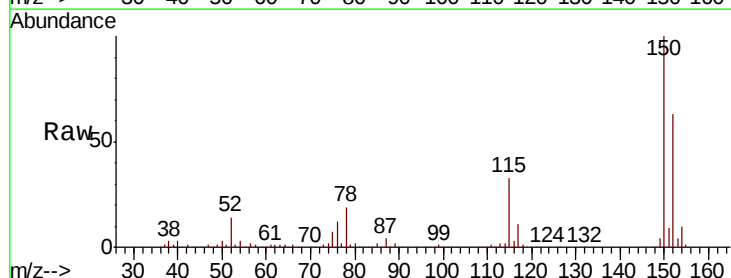
Instrument :
MSVOA_X
ClientSampleId :
PK-10D

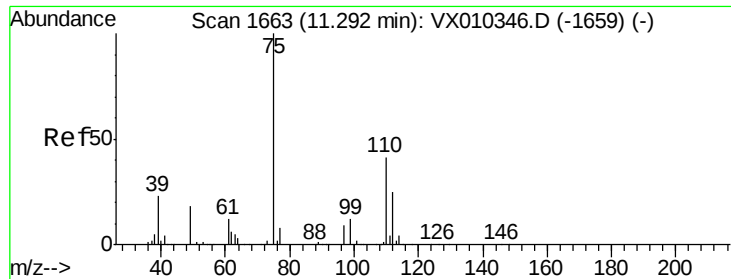
Tot Ion:112 Resp: 6270
Ion Ratio Lower Upper
112 100
114 35.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010547.D
Acq: 28 Jun 2019 20:04

Tgt Ion:152 Resp: 164621
Ion Ratio Lower Upper
152 100
115 54.3 38.6 115.7
150 158.3 0.0 347.4

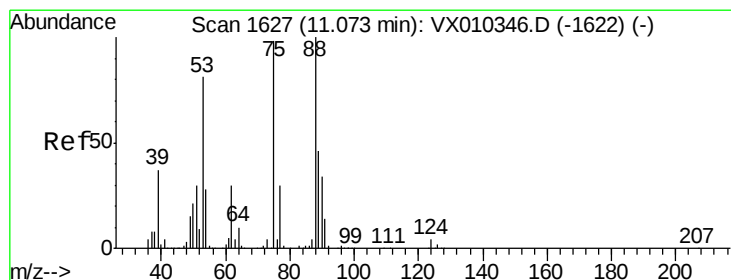
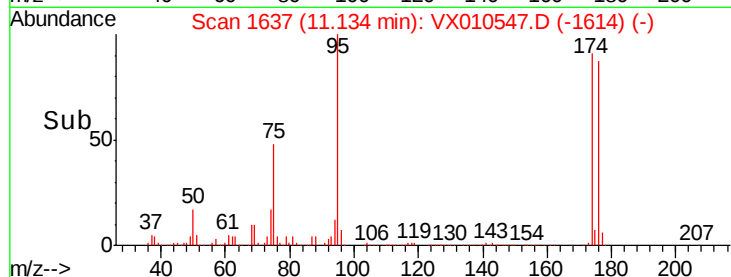
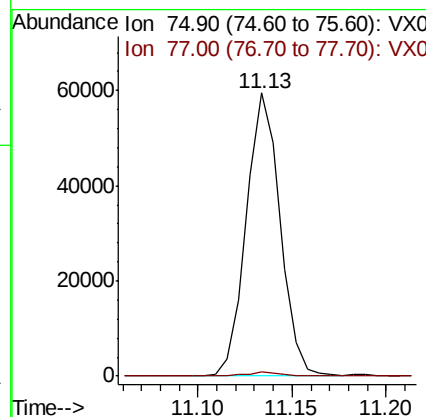
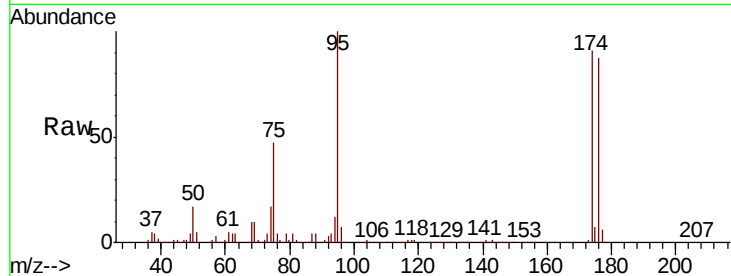




#76
 1,2,3-Trichloropropane
 Concen: 24.701 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010547.D
 Acq: 28 Jun 2019 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10D

Tot Ion: 75 Resp: 74098
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.624 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010547.D
 Acq: 28 Jun 2019 20:04

Tgt Ion: 75 Resp: 74098
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

