

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020719\
 Data File : VX007419.D
 Acq On : 07 Feb 2019 12:29
 Operator : JC/SP
 Sample : K1392-08DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1DL

Quant Time: Feb 08 22:18:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	532951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	821472	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	768045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	385772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	283682	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
35) Dibromofluoromethane	5.51	113	263830	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	8.71	98	977615	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.13	95	354168	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

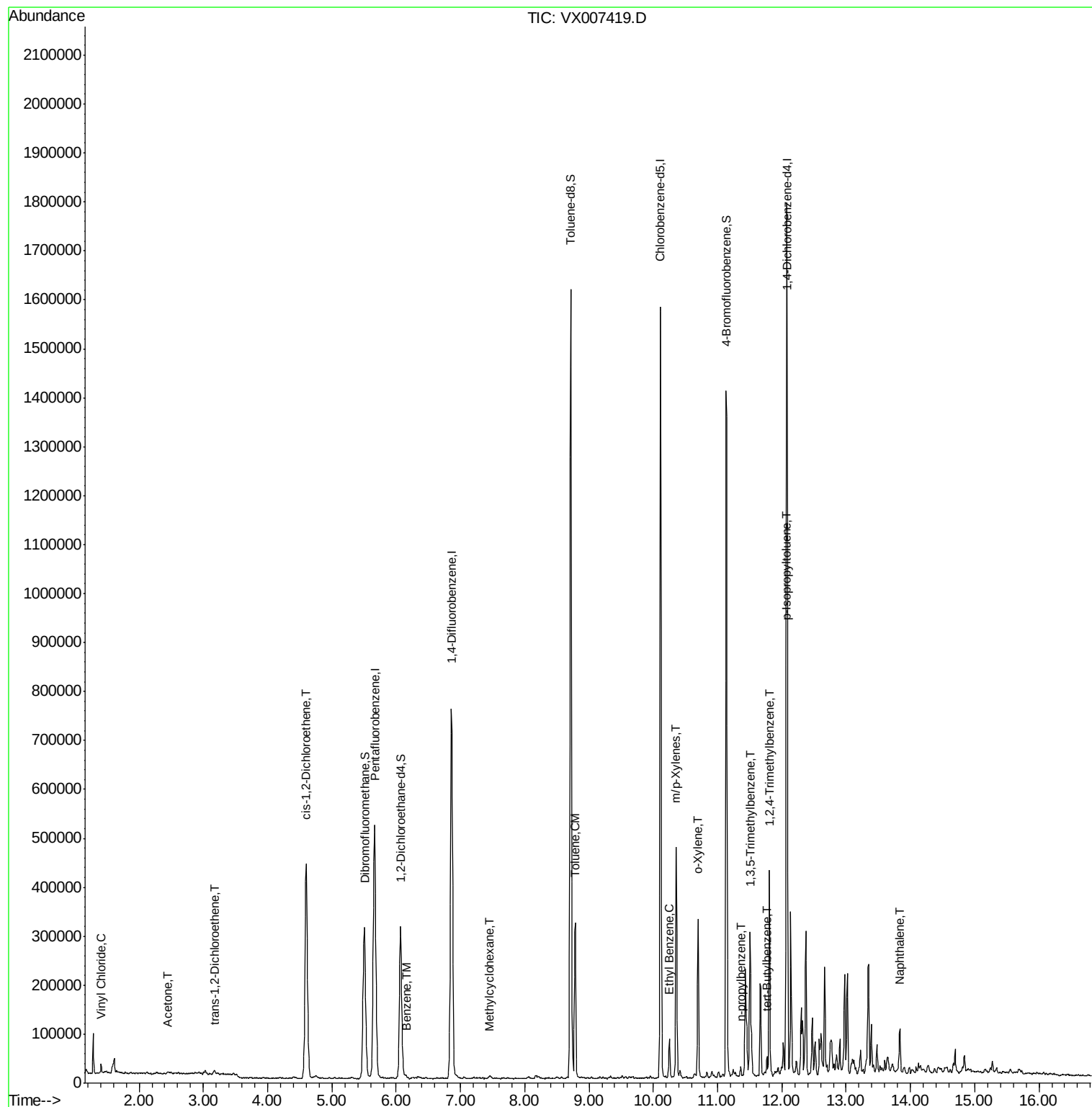
						Qvalue
4) Vinyl Chloride	1.41	62	11144	1.892	ug/l	98
16) Acetone	2.45	43	4141	1.598	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	3581	0.661	ug/l #	76
27) cis-1,2-Dichloroethene	4.60	96	296485	50.076	ug/l	90
39) Methylcyclohexane	7.46	83	2765	0.310	ug/l #	86
40) Benzene	6.15	78	6808	0.314	ug/l	95
52) Toluene	8.79	92	119605	8.538	ug/l	98
67) Ethyl Benzene	10.25	91	44741	1.658	ug/l	99
68) m/p-Xylenes	10.36	106	119506	11.139	ug/l	99
69) o-Xylene	10.69	106	75163	7.280	ug/l	99
78) n-propylbenzene	11.36	91	13530	0.471	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	121119	5.647	ug/l	99
83) tert-Butylbenzene	11.77	119	8697	0.410	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	186922	8.585	ug/l	100
86) p-Isopropyltoluene	12.06	119	14178	0.611	ug/l	87
95) Naphthalene	13.83	128	58498	2.248	ug/l	97

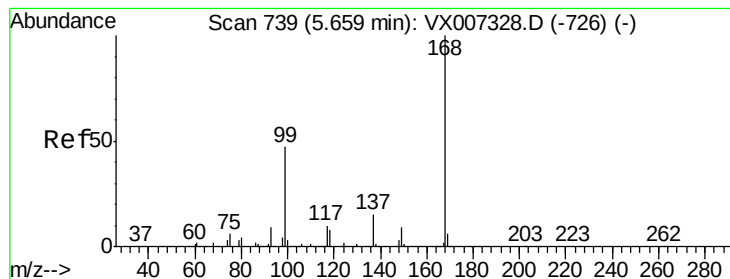
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

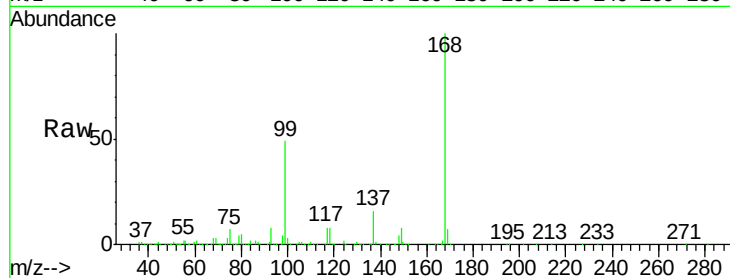
DUP-1DL

Tot Ion:168 Resp: 532951

Ion Ratio Lower Upper

168 100

99 48.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

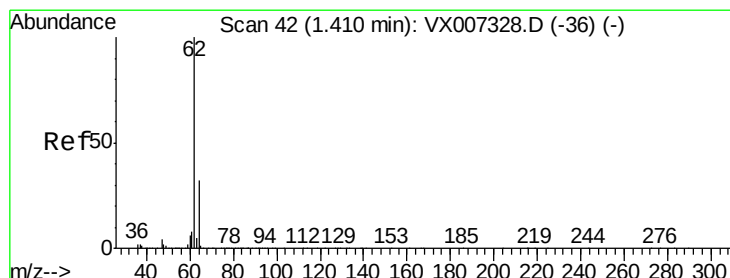
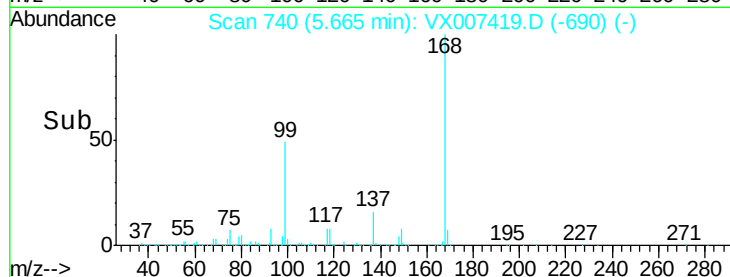
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#4

Vinyl Chloride

Concen: 1.892 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007419.D

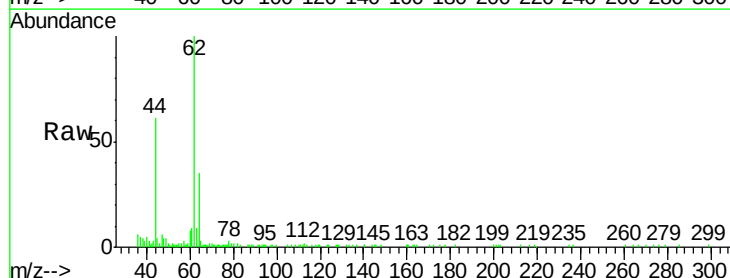
Acq: 07 Feb 2019 12:29

Tgt Ion: 62 Resp: 11144

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

12000

10000

8000

6000

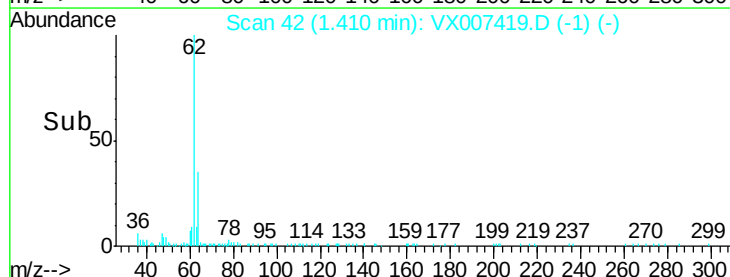
4000

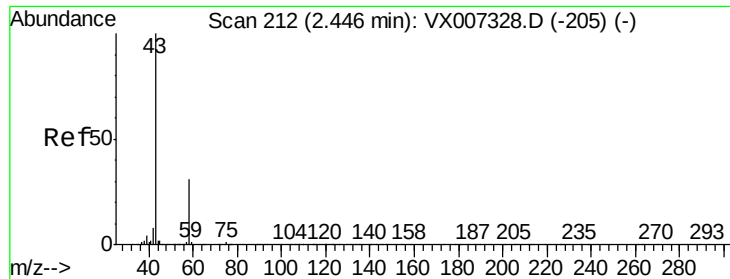
2000

0

1.35 1.40 1.45 1.50

Time-->





#16

Acetone

Concen: 1.598 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

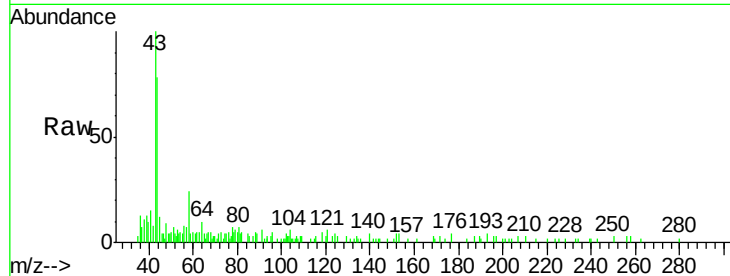
DUP-1DL

Tot Ion: 43 Resp: 4141

Ion Ratio Lower Upper

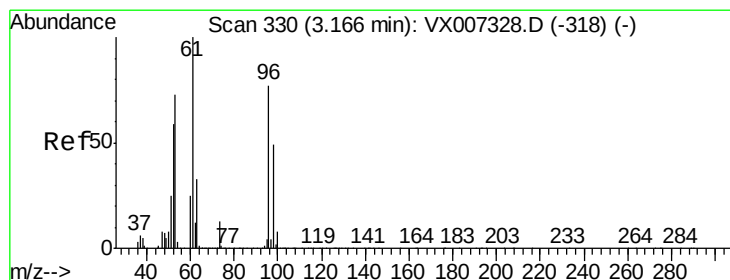
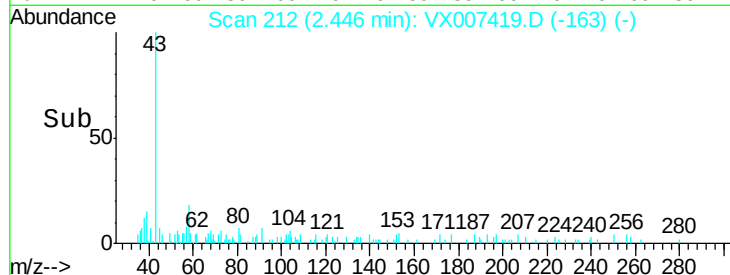
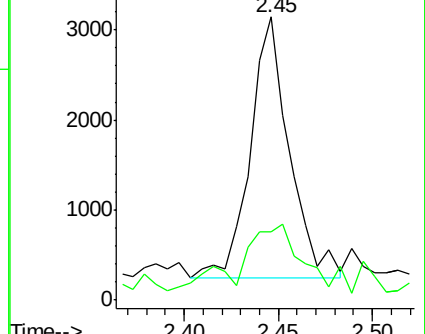
43 100

58 19.7 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.661 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

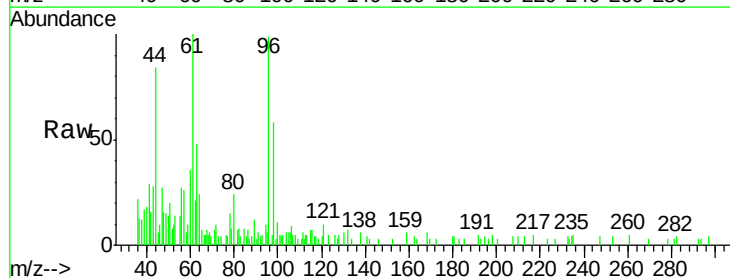
Tgt Ion: 96 Resp: 3581

Ion Ratio Lower Upper

96 100

61 95.2 104.6 156.8#

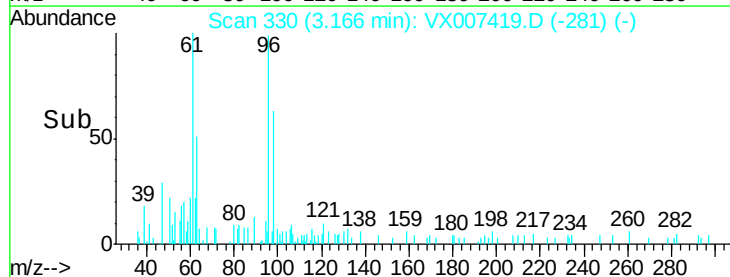
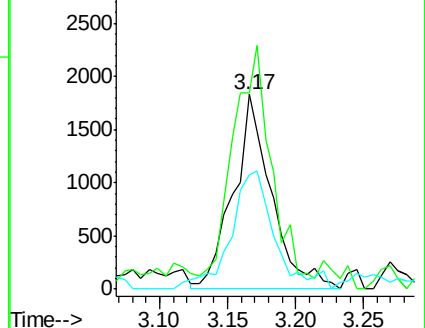
98 55.3 51.0 76.4

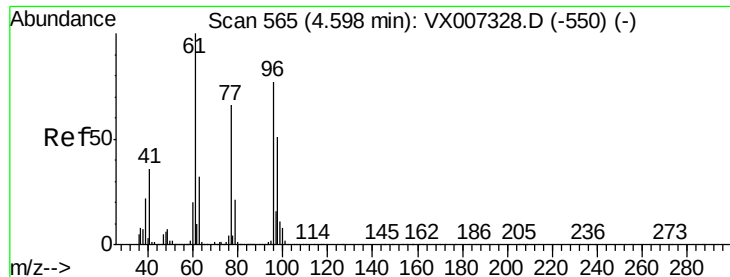


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



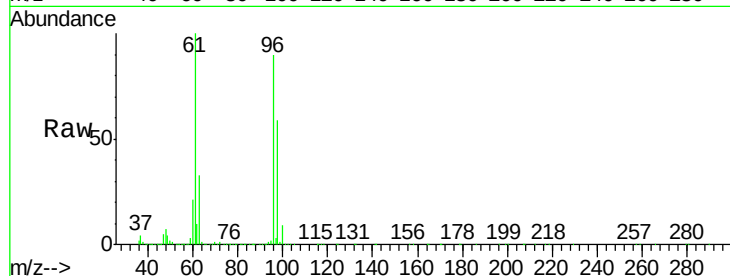


#27

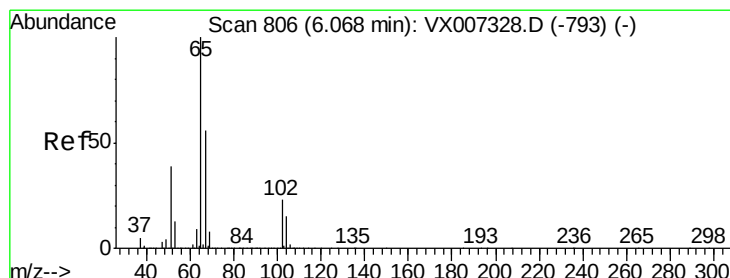
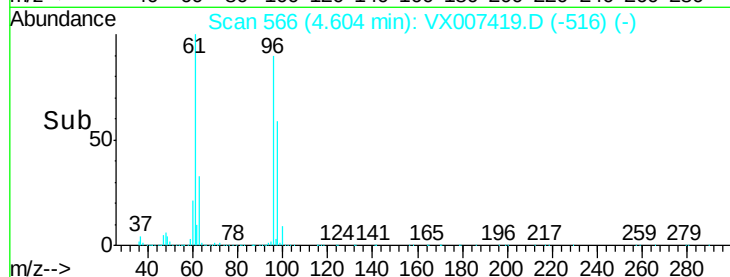
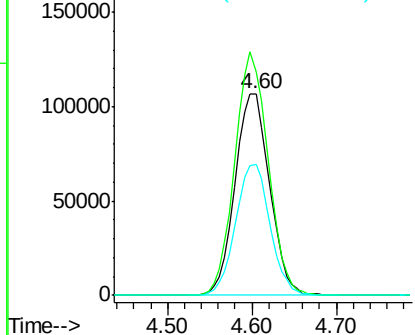
cis-1,2-Dichloroethene
 Concen: 50.076 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX007419.D
 Acq: 07 Feb 2019 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	116.3	0.0	265.6
98	64.9	0.0	131.6



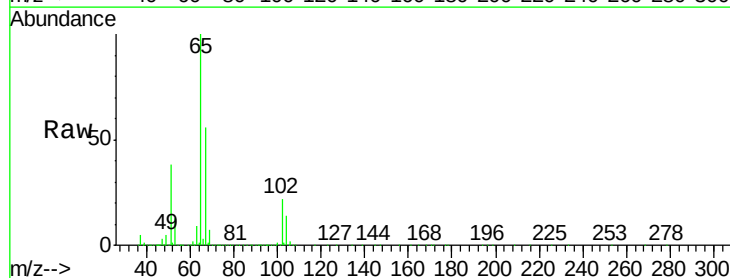
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



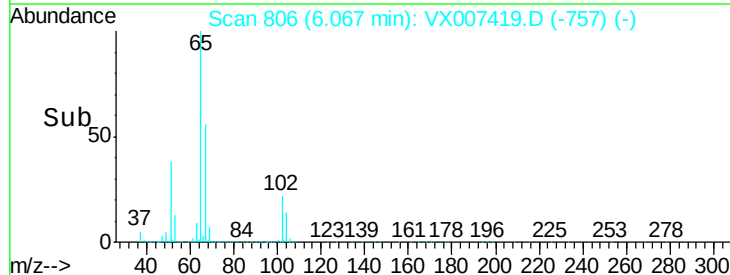
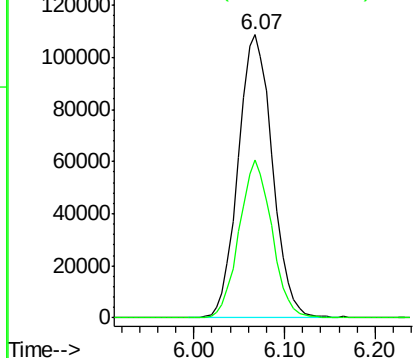
#33

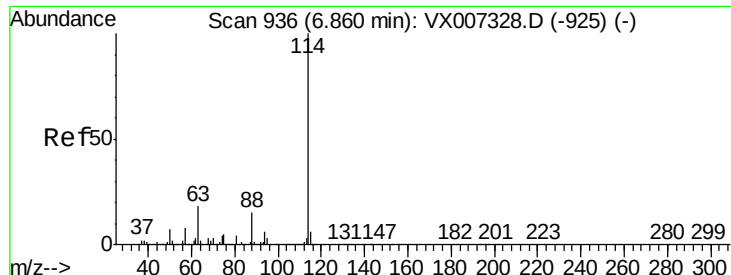
1,2-Dichloroethane-d4
 Concen: 50.148 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007419.D
 Acq: 07 Feb 2019 12:29

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	108.8



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: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

DUP-1DL

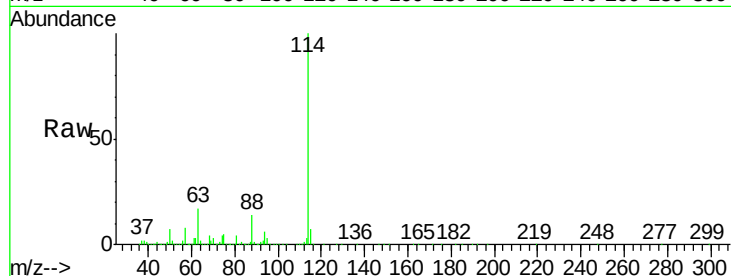
Tot Ion:114 Resp: 821472

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.6

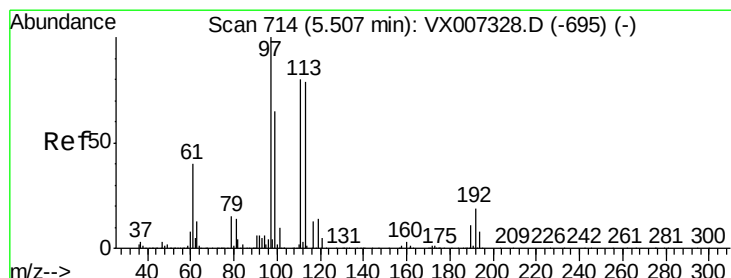
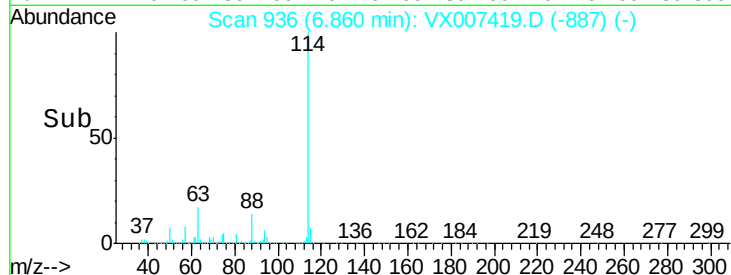
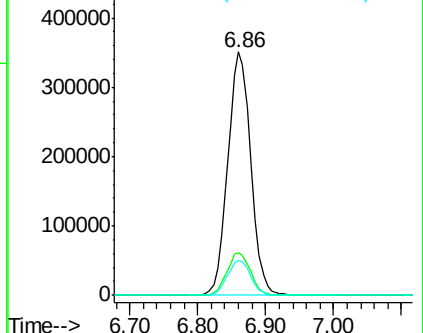
88 14.2 0.0 29.6



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: 49.360 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

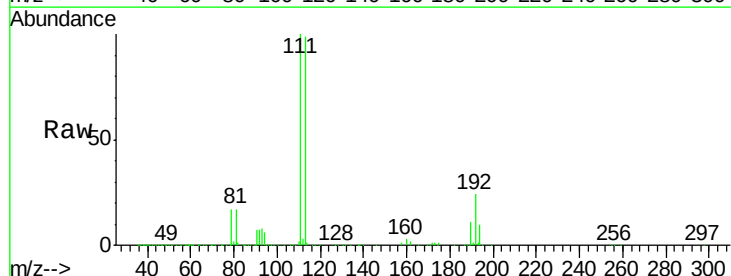
Tgt Ion:113 Resp: 263830

Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.8

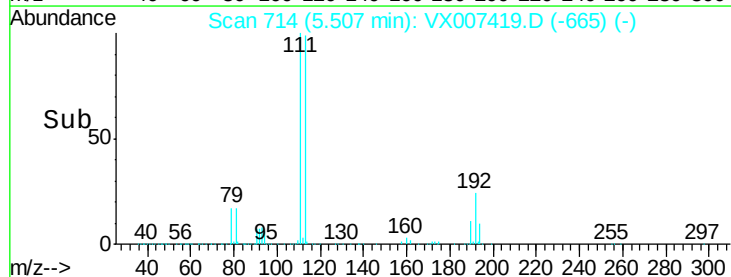
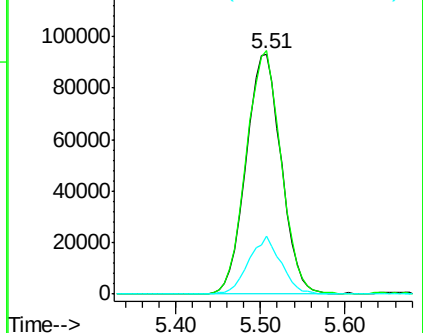
192 22.3 18.5 27.7

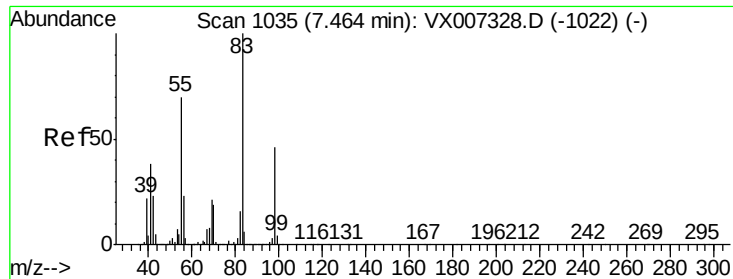


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

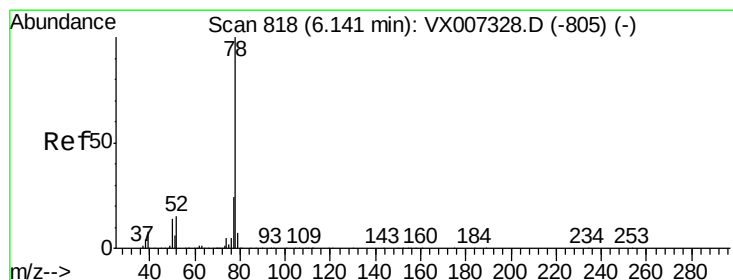
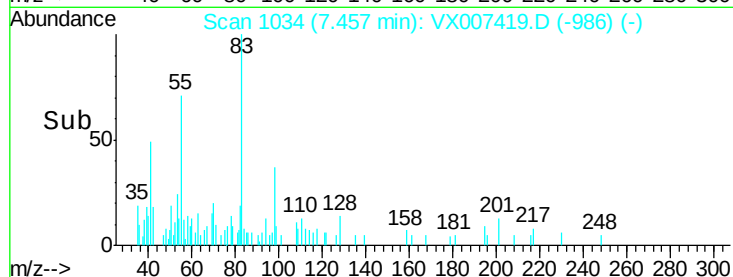
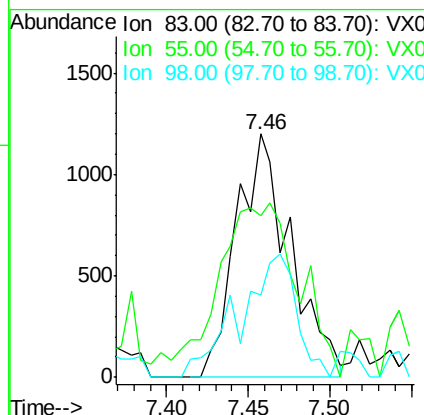
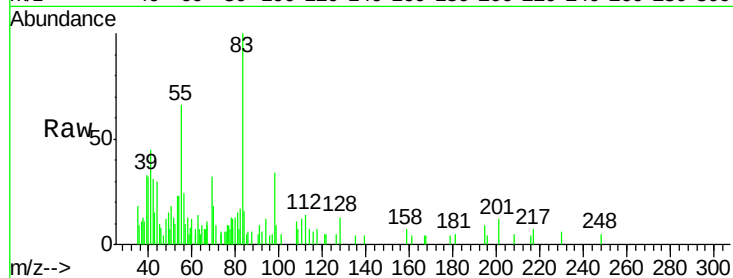




#39
Methylvlcyclohexane
Concen: 0.310 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007419.D
Acq: 07 Feb 2019 12:29

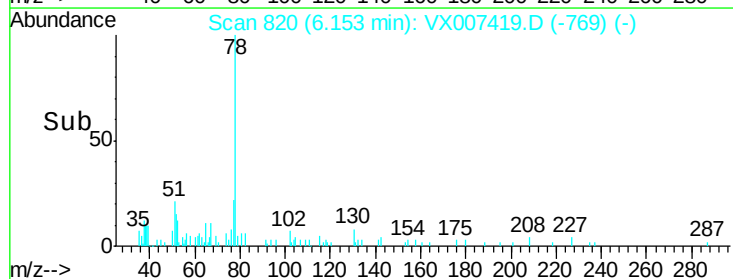
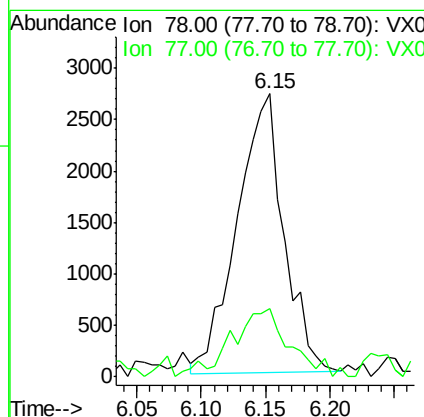
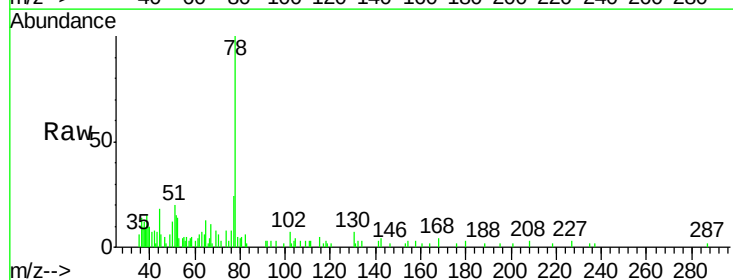
Instrument :
MSVOA_X
ClientSampleId :
DUP-1DL

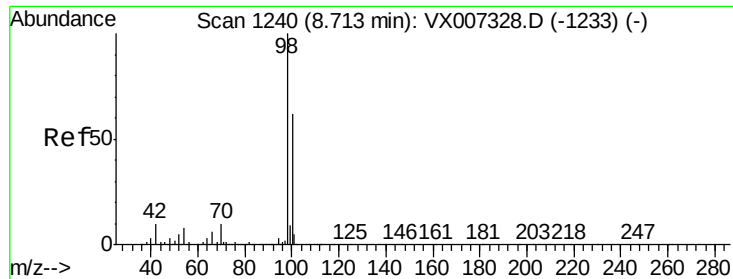
Tot Ion: 83 Resp: 2765
Ion Ratio Lower Upper
83 100
55 66.3 56.2 84.2
98 26.7 36.8 55.2#



#40
Benzene
Concen: 0.314 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX007419.D
Acq: 07 Feb 2019 12:29

Tgt Ion: 78 Resp: 6808
Ion Ratio Lower Upper
78 100
77 21.7 19.3 28.9

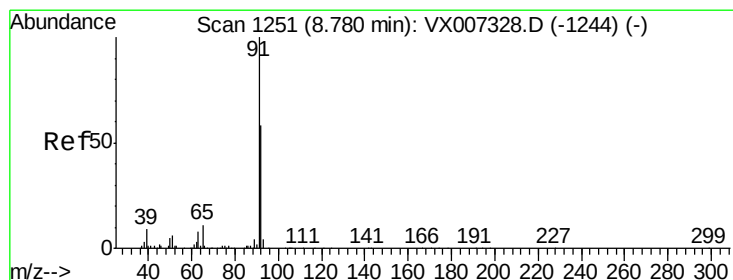
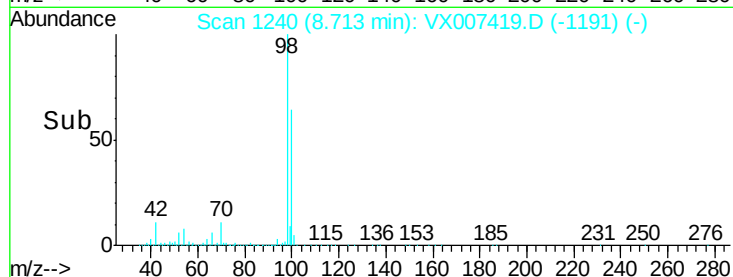
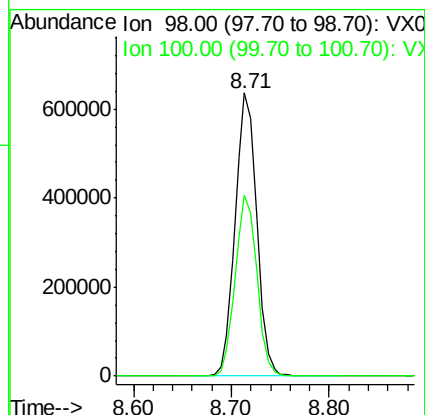
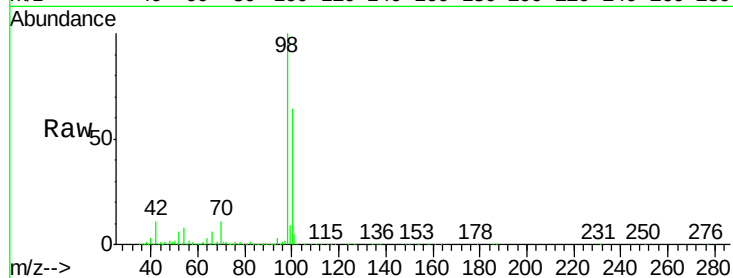




#50
Toluene-d8
Concen: 49.297 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007419.D
Acq: 07 Feb 2019 12:29

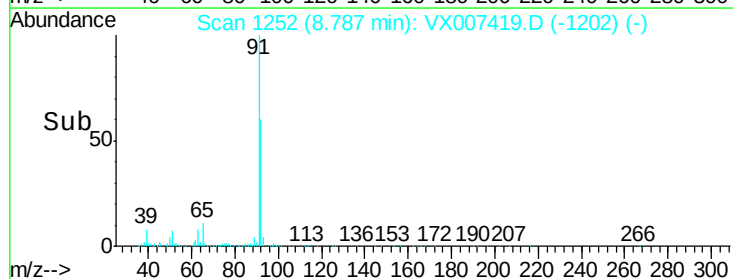
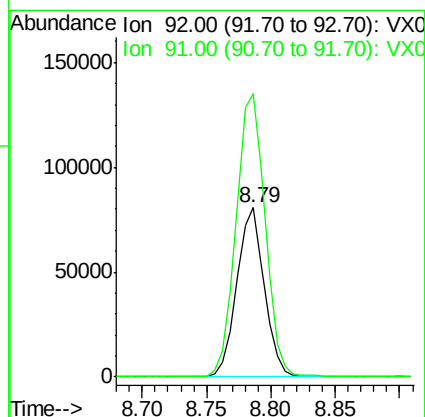
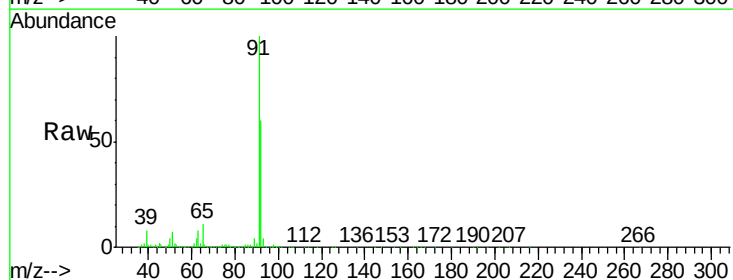
Instrument :
MSVOA_X
ClientSampleId :
DUP-1DL

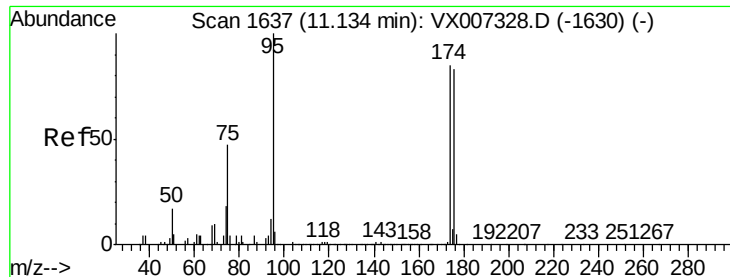
Tot Ion: 98 Resp: 977615
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#52
Toluene
Concen: 8.538 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX007419.D
Acq: 07 Feb 2019 12:29

Tgt Ion: 92 Resp: 119605
Ion Ratio Lower Upper
92 100
91 177.1 139.1 208.7





#62

4-Bromofluorobenzene

Concen: 48.916 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

DUP-1DL

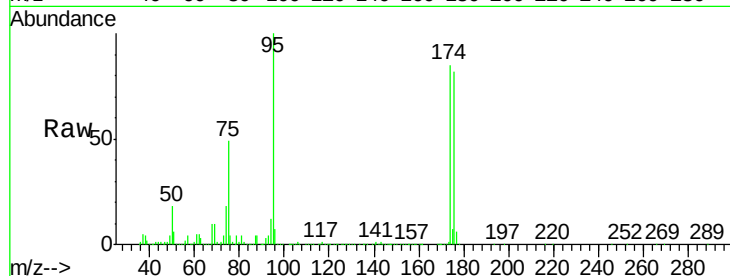
Tot Ion: 95 Resp: 354168

Ion Ratio Lower Upper

95 100

174 93.0 0.0 189.2

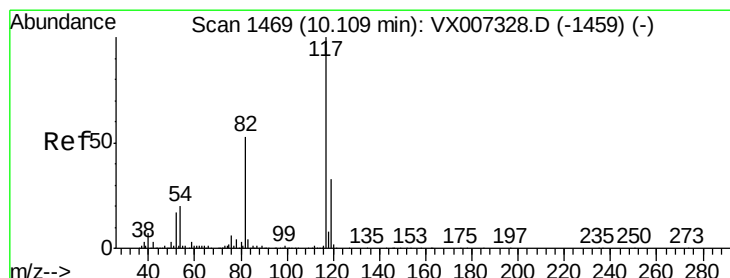
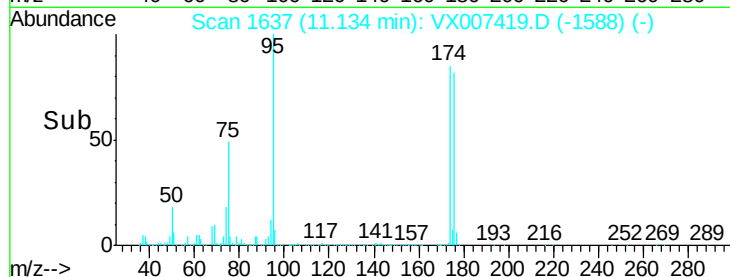
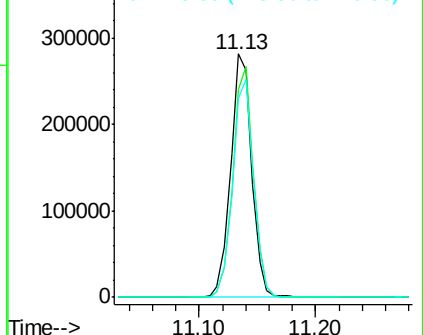
176 89.3 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007419.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007419.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007419.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

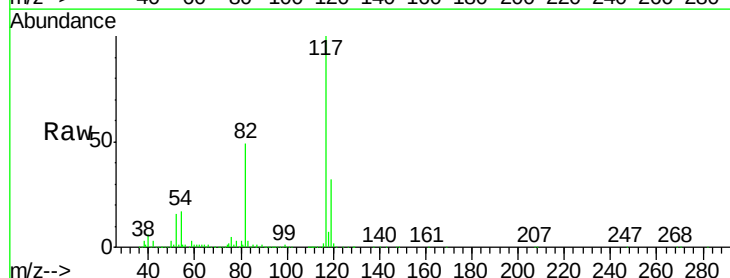
Tgt Ion: 117 Resp: 768045

Ion Ratio Lower Upper

117 100

82 49.4 42.1 63.1

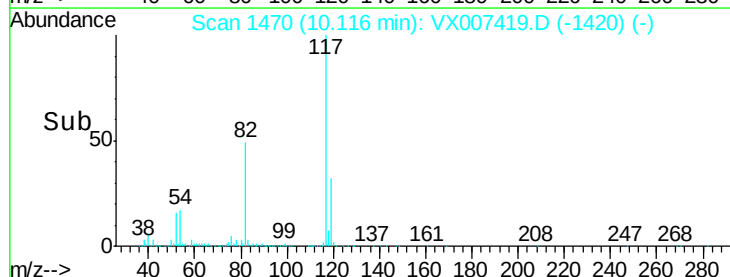
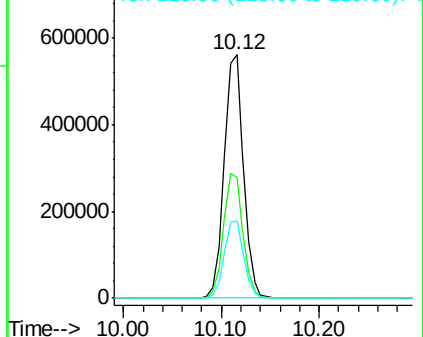
119 31.9 26.5 39.7

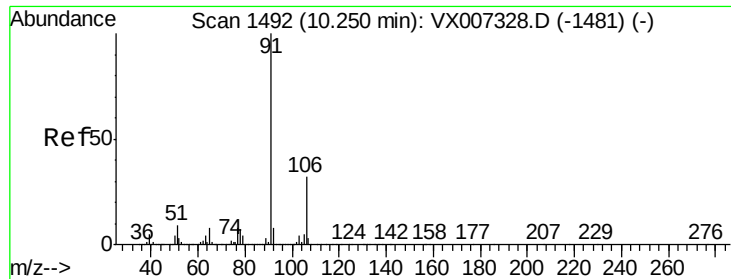


Abundance Ion 116.90 (116.60 to 117.60): VX007419.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007419.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007419.D (-1420) (-)

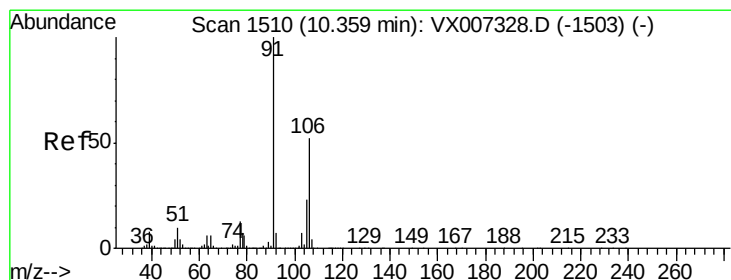
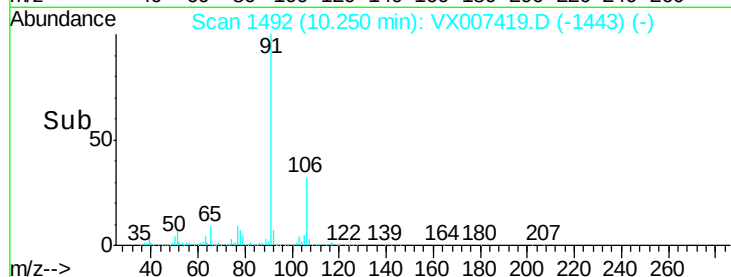
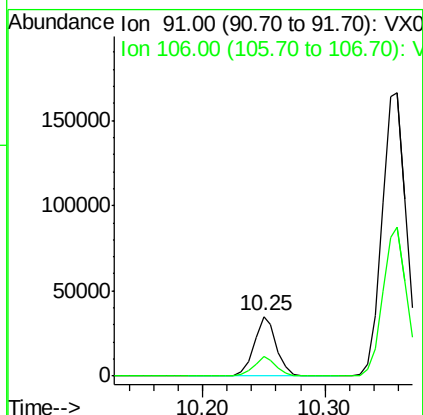
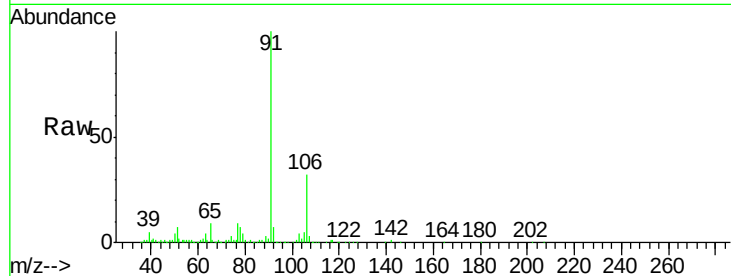




#67
Ethyl Benzene
Concen: 1.658 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007419.D
Acq: 07 Feb 2019 12:29

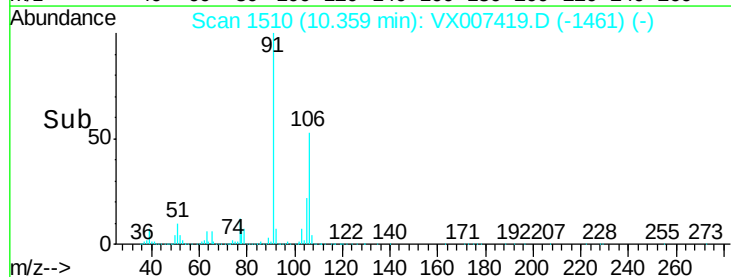
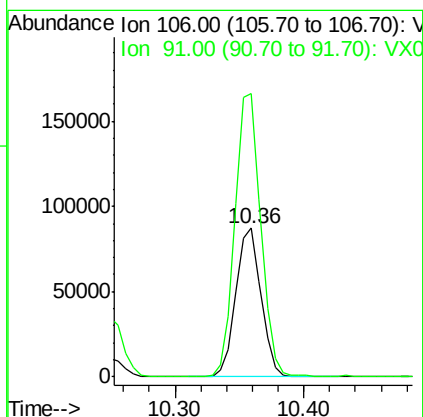
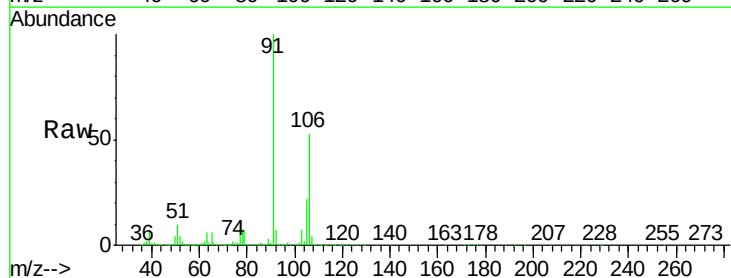
Instrument :
MSVOA_X
ClientSampled :
DUP-1DL

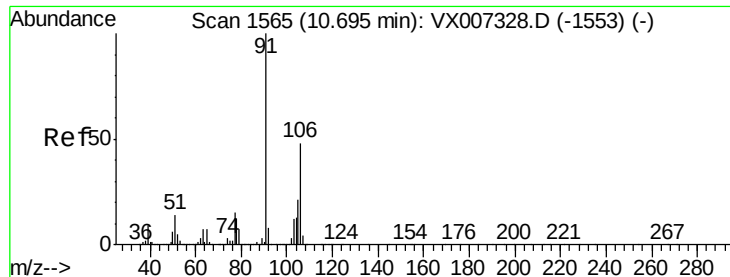
Tot Ion: 91 Resp: 44741
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.0



#68
m/p-Xylenes
Concen: 11.139 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007419.D
Acq: 07 Feb 2019 12:29

Tgt Ion: 106 Resp: 119506
Ion Ratio Lower Upper
106 100
91 194.5 156.6 234.8

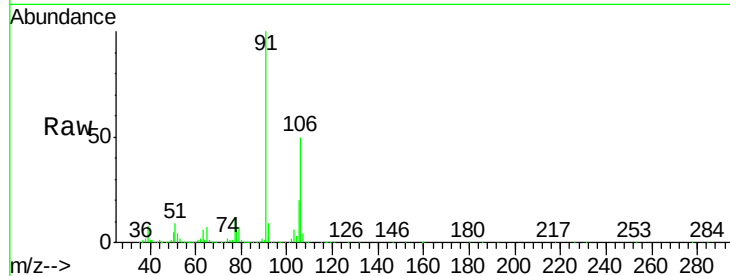




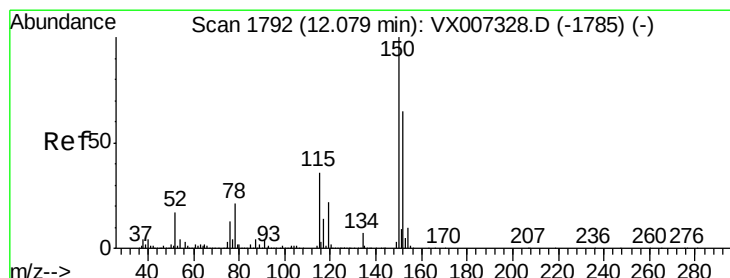
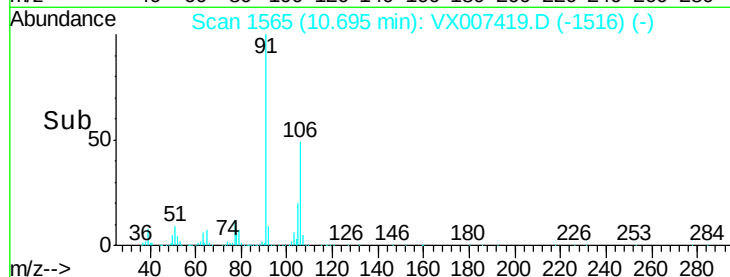
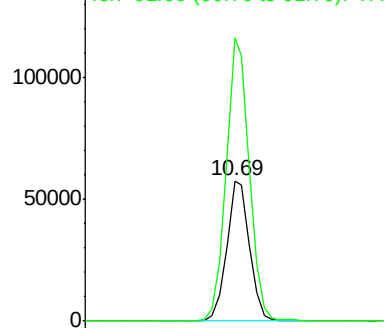
#69
o-Xylene
Concen: 7.280 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007419.D
Acq: 07 Feb 2019 12:29

Instrument :
MSVOA_X
ClientSampled :
DUP-1DL

Tot Ion:106 Resp: 75163
Ion Ratio Lower Upper
106 100
91 203.5 102.9 308.7

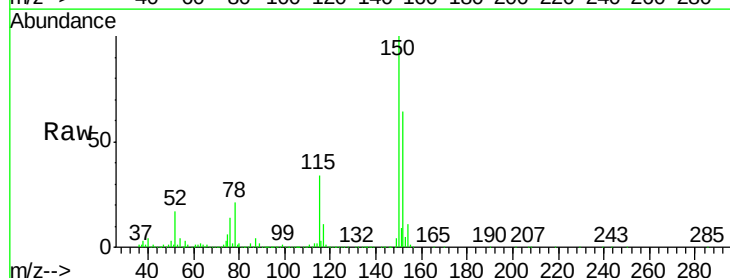


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

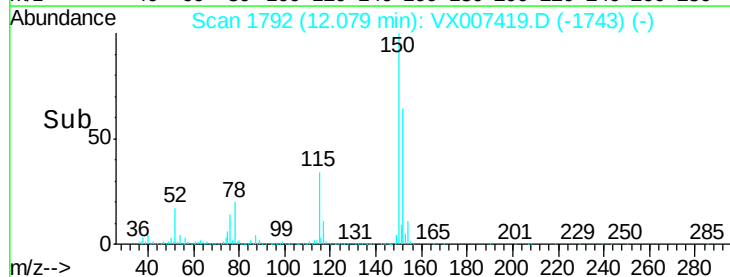
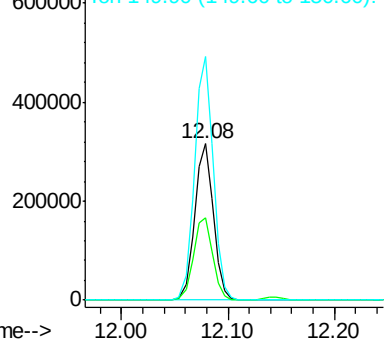


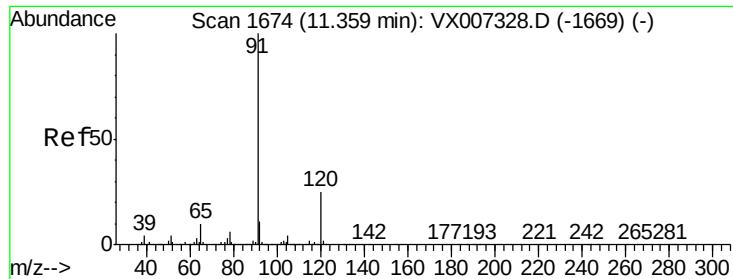
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007419.D
Acq: 07 Feb 2019 12:29

Tgt Ion:152 Resp: 385772
Ion Ratio Lower Upper
152 100
115 53.9 38.0 114.0
150 156.1 0.0 346.4



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





#78

n-propylbenzene

Concen: 0.471 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA_X

ClientSampled :

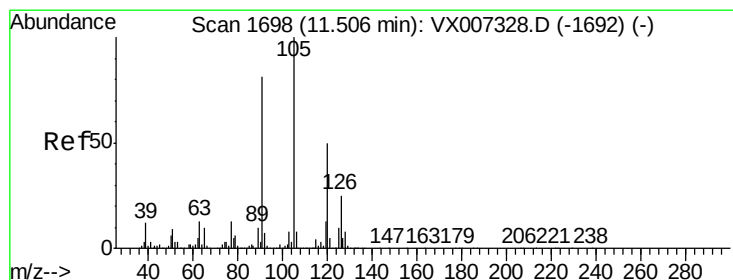
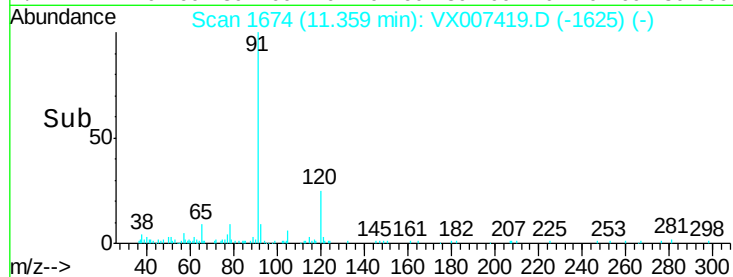
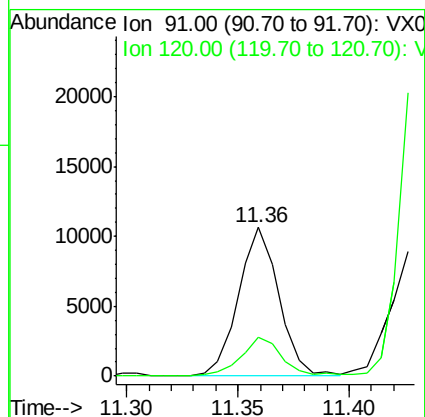
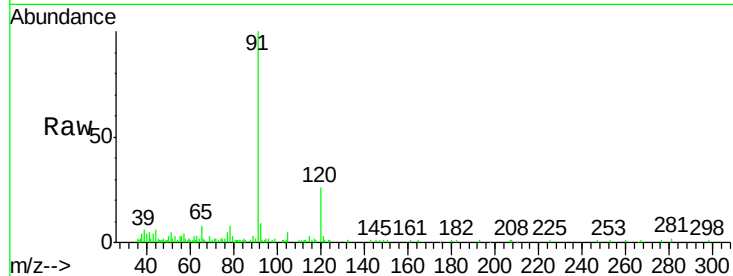
DUP-1DL

Tot Ion: 91 Resp: 13530

Ion Ratio Lower Upper

91 100

120 26.6 12.4 37.2



#80

1,3,5-Trimethylbenzene

Concen: 5.647 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007419.D

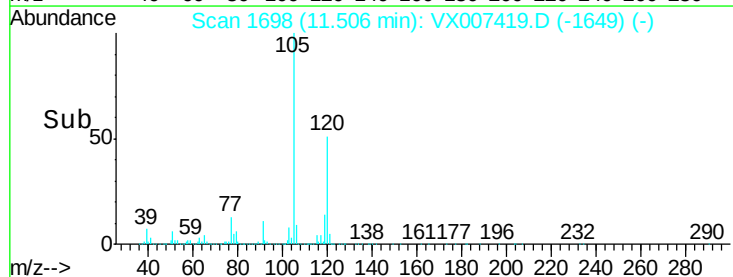
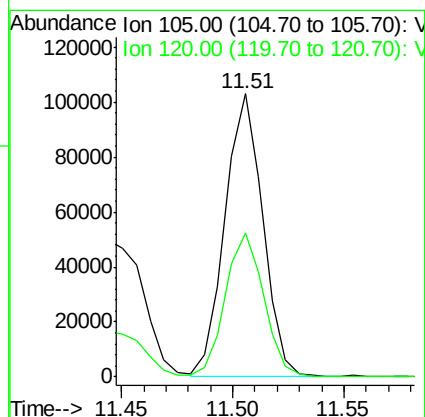
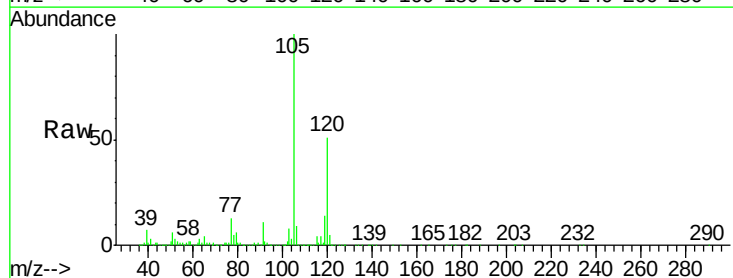
Acq: 07 Feb 2019 12:29

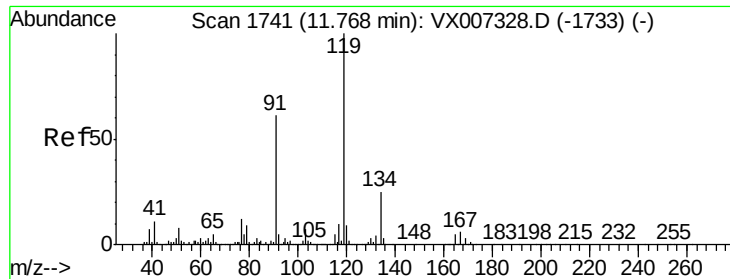
Tgt Ion: 105 Resp: 121119

Ion Ratio Lower Upper

105 100

120 51.3 25.3 75.8





#83

tert-Butylbenzene

Concen: 0.410 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007419.D

Acq: 07 Feb 2019 12:29

Instrument :

MSVOA_X

ClientSampleID :

DUP-1DL

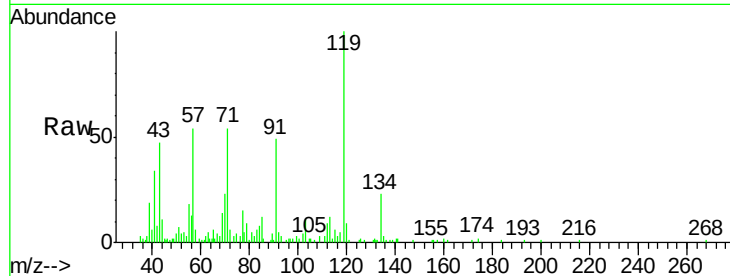
Tot Ion:119 Resp: 8697

Ion Ratio Lower Upper

119 100

91 54.2 28.5 85.6

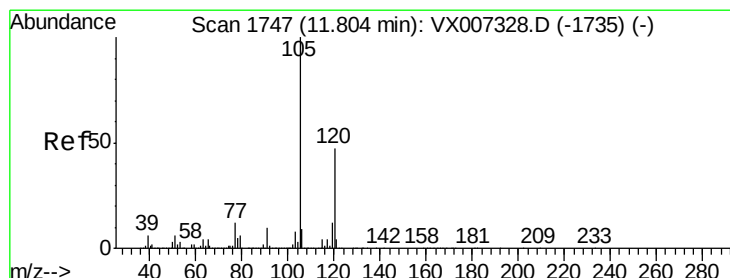
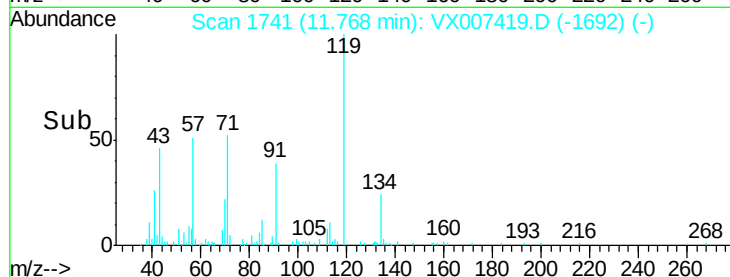
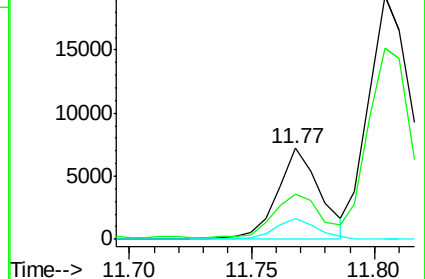
134 22.2 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 8.585 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007419.D

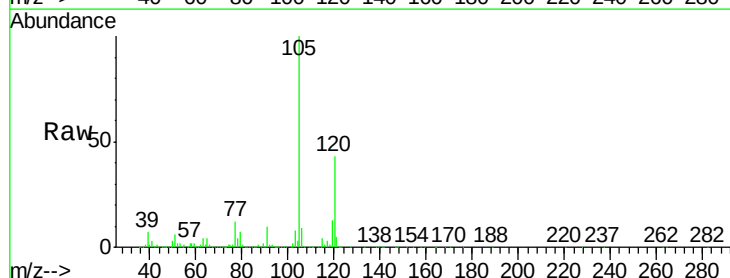
Acq: 07 Feb 2019 12:29

Tgt Ion:105 Resp: 186922

Ion Ratio Lower Upper

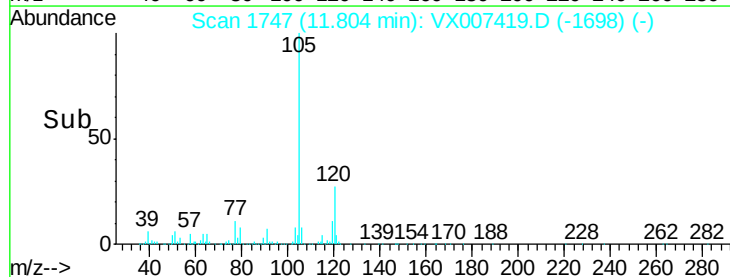
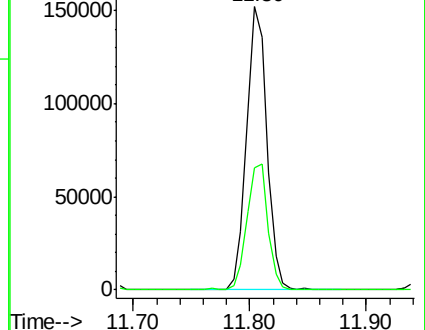
105 100

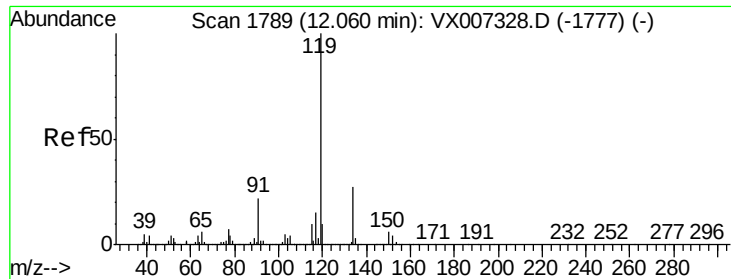
120 46.1 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

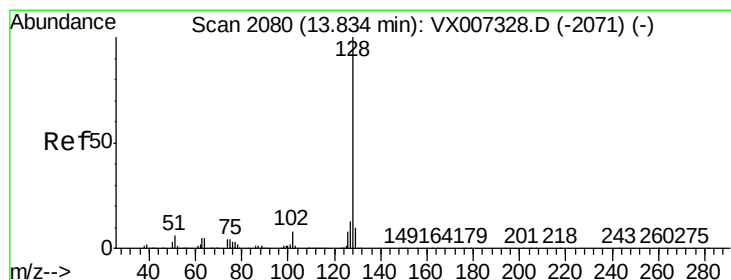
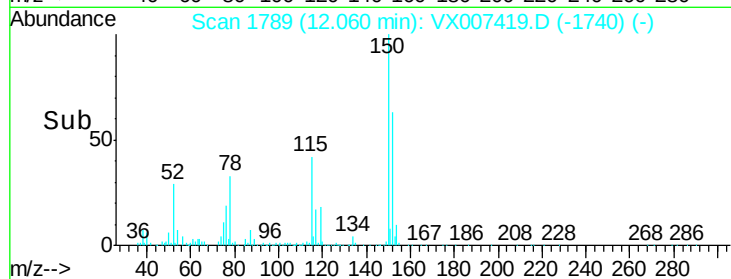
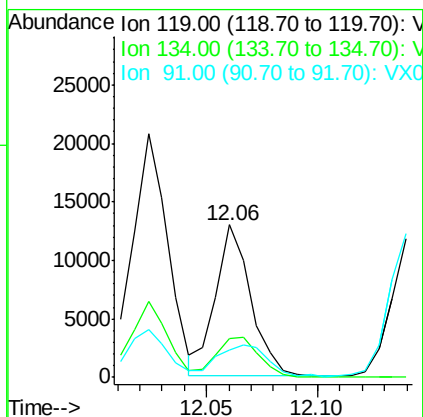
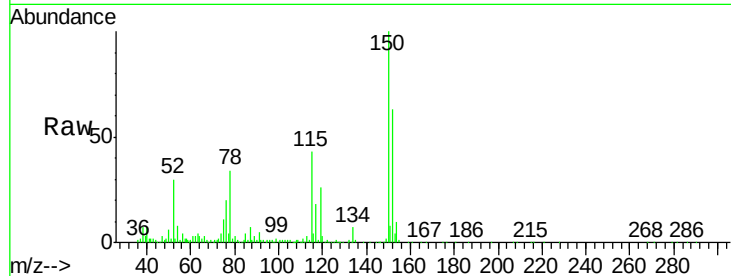




#86
p-Isopropyltoluene
Concen: 0.611 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007419.D
Acq: 07 Feb 2019 12:29

Instrument :
MSVOA_X
ClientSampled :
DUP-1DL

Tot Ion:119 Resp: 14178
Ion Ratio Lower Upper
119 100
134 32.7 13.7 41.1
91 30.6 11.2 33.5



#95
Naphthalene
Concen: 2.248 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007419.D
Acq: 07 Feb 2019 12:29

Tgt Ion:128 Resp: 58498
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 12.9 8.7 13.1

