

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012561.D
 Acq On : 20 Sep 2019 16:45
 Operator : JC/SP
 Sample : K4830-04DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0272DL

Quant Time: Sep 21 03:13:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	179013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280181	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88276	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	115860	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	
35) Dibromofluoromethane	5.49	113	83348	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	8.71	98	324140	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.14	95	109349	41.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.92%	

Target Compounds

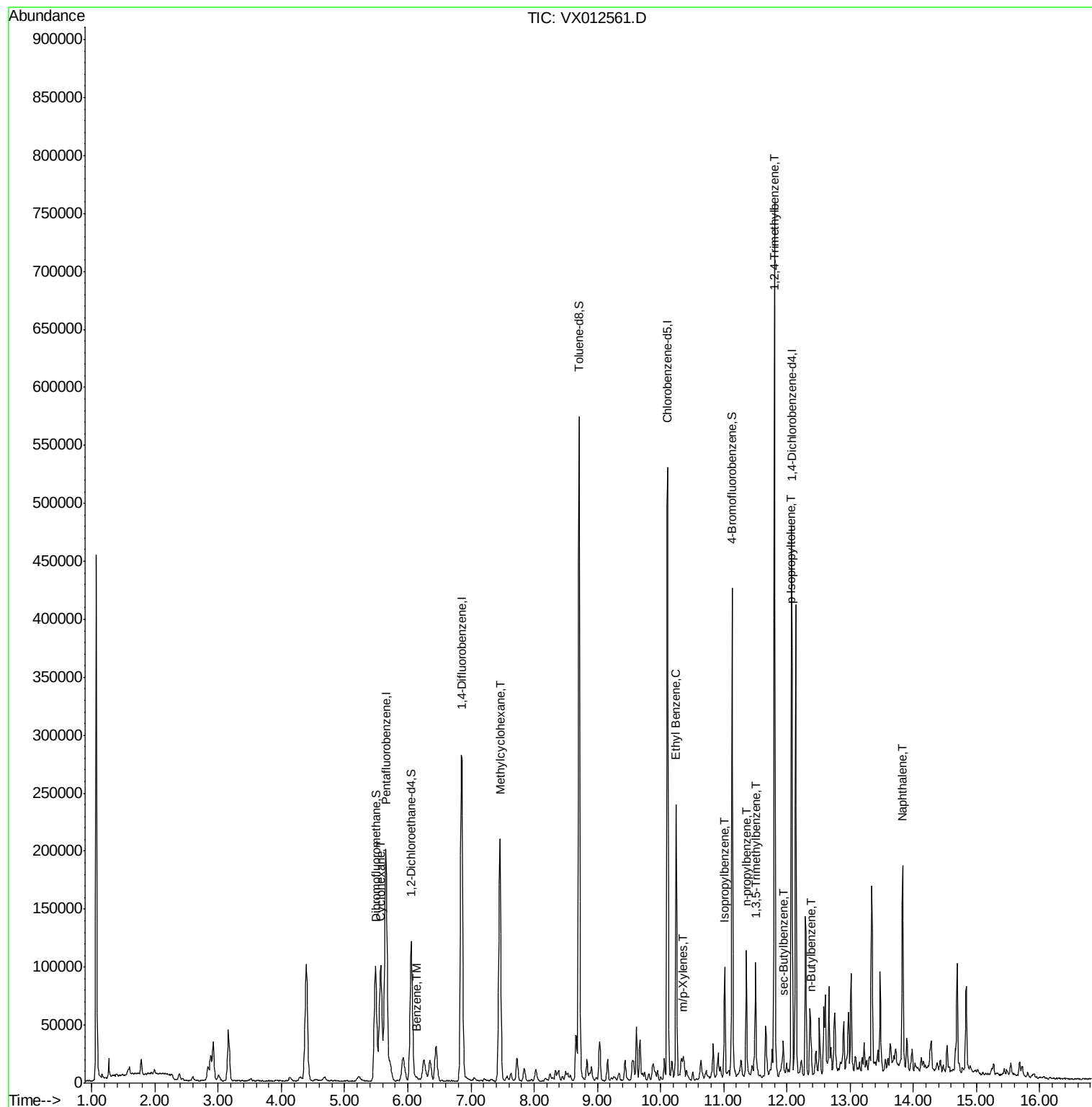
						Qvalue
31) Cyclohexane	5.57	56	68007	38.379	ug/l	93
39) Methylcyclohexane	7.46	83	90092	54.425	ug/l	99
40) Benzene	6.14	78	3500	0.646	ug/l	97
67) Ethyl Benzene	10.25	91	133621	20.480	ug/l	100
68) m/p-Xylenes	10.36	106	2534	1.067	ug/l	94
73) Isopropylbenzene	11.01	105	46176	8.337	ug/l	98
78) n-propylbenzene	11.35	91	64463	10.442	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	39572	8.377	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	329710	67.979	ug/l	98
85) sec-Butylbenzene	11.94	105	11009	1.974	ug/l #	77
86) p-Isopropyltoluene	12.06	119	7453	1.455	ug/l	88
89) n-Butylbenzene	12.39	91	9351	2.046	ug/l #	49
95) Naphthalene	13.83	128	105672	17.361	ug/l	99

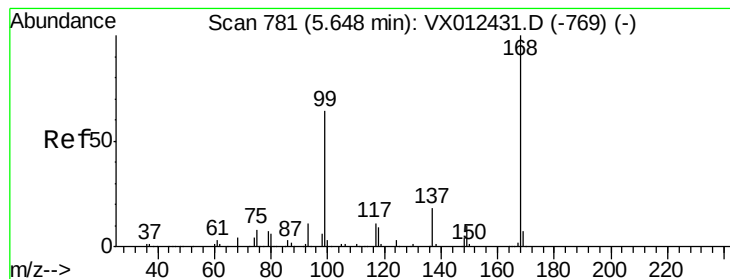
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

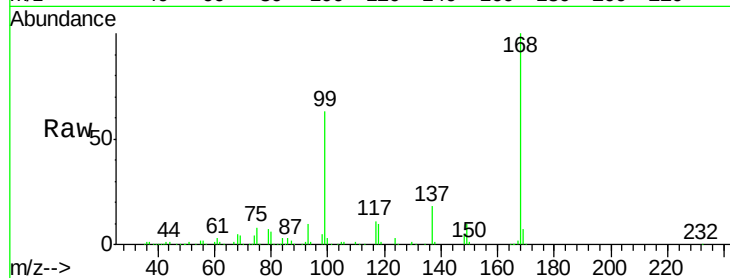
S13-0272DL

Tot Ion:168 Resp: 179013

Ion Ratio Lower Upper

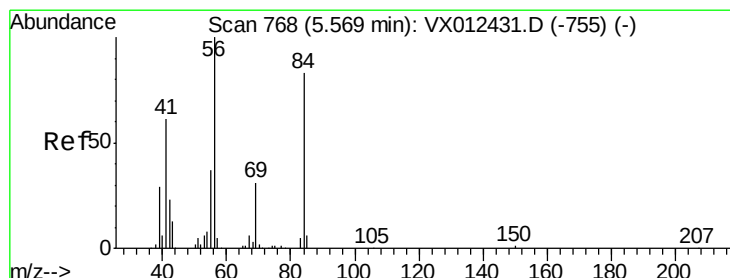
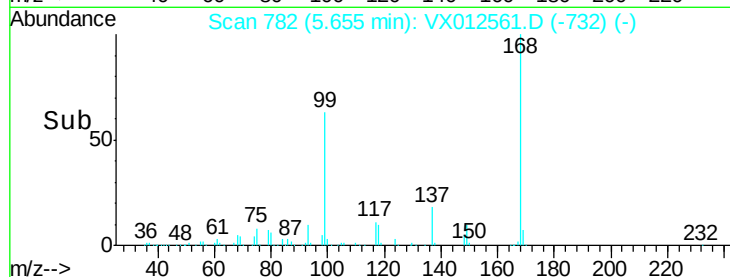
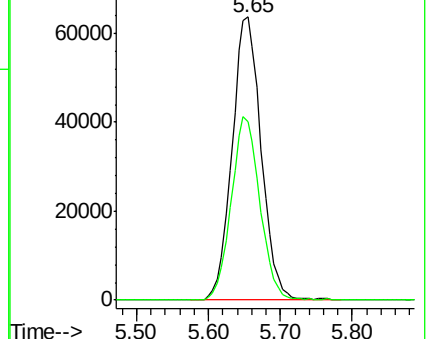
168 100

99 62.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 38.379 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

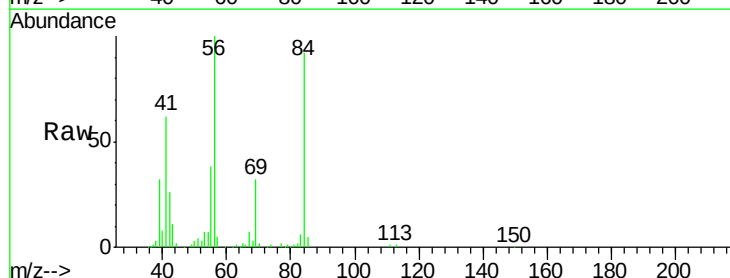
Tgt Ion: 56 Resp: 68007

Ion Ratio Lower Upper

56 100

69 31.8 25.0 37.6

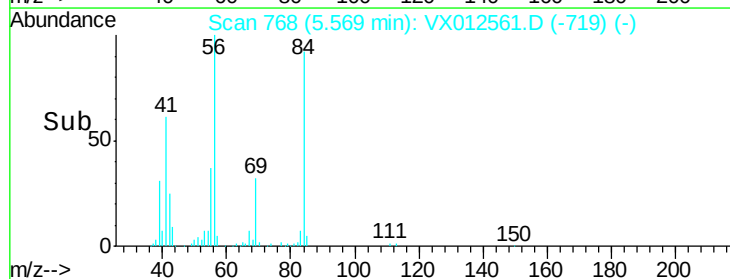
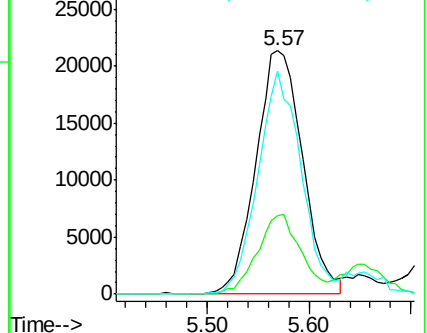
84 91.7 66.4 99.6

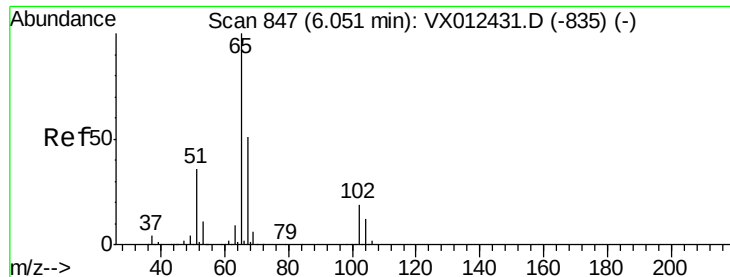


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

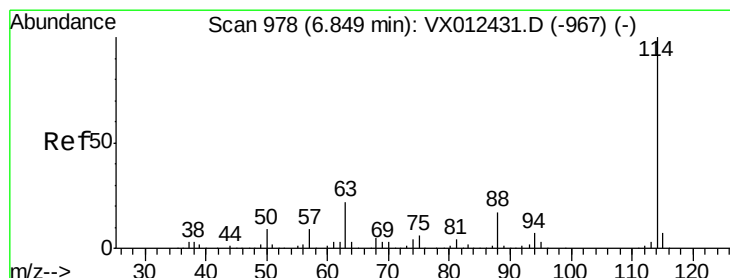
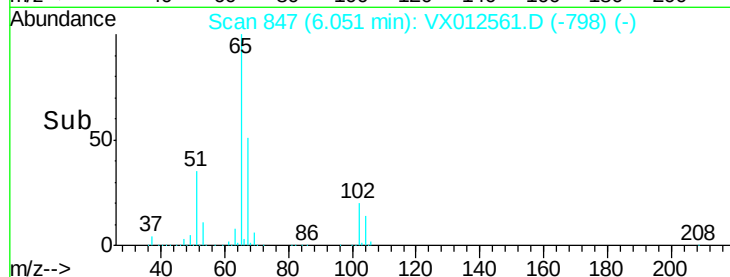
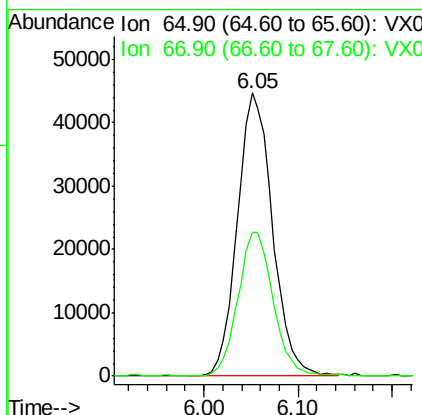
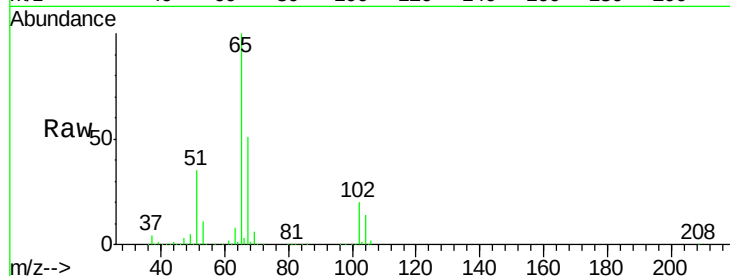




#33
 1,2-Dichloroethane-d4
 Concen: 45.159 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012561.D
 Acq: 20 Sep 2019 16:45

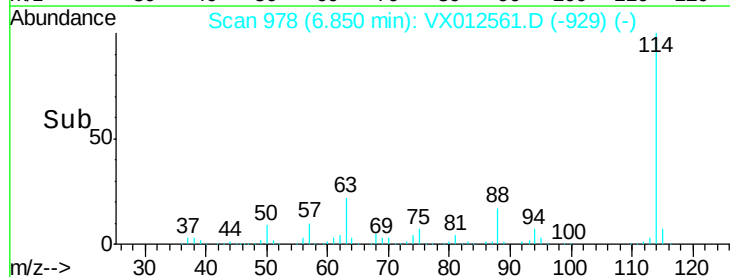
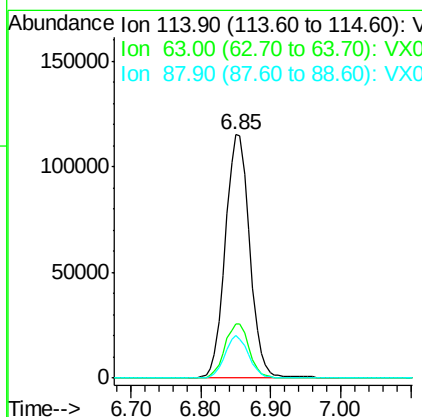
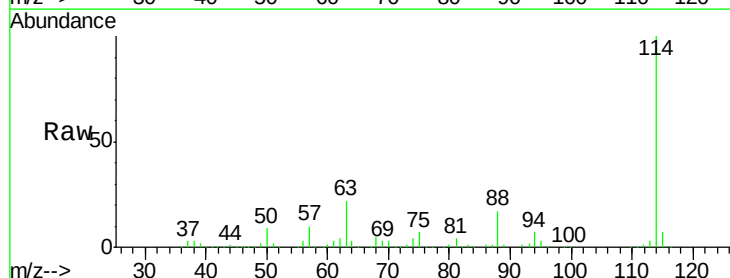
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0272DL

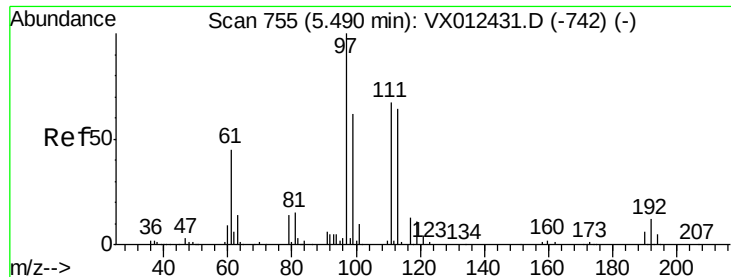
Tot Ion: 65 Resp: 115860
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012561.D
 Acq: 20 Sep 2019 16:45

Tgt Ion: 114 Resp: 280181
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.2
 88 17.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.149 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

S13-0272DL

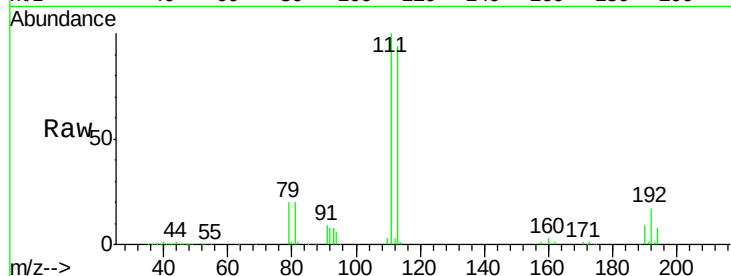
Tot Ion:113 Resp: 83348

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

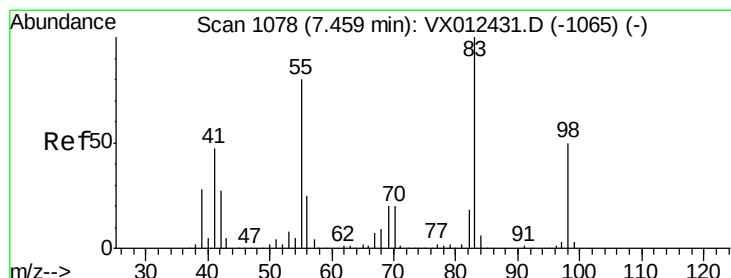
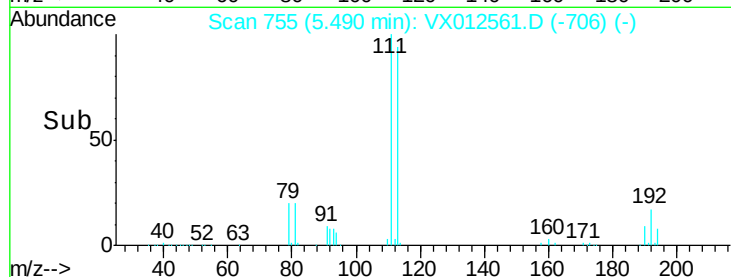
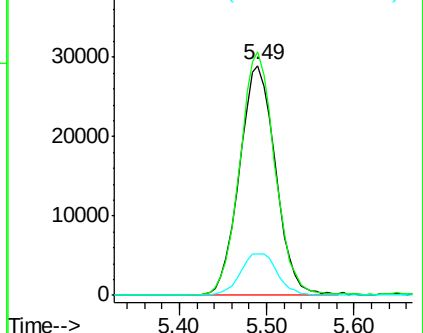
192 18.6 14.4 21.6



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

Methylcyclohexane

Concen: 54.425 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

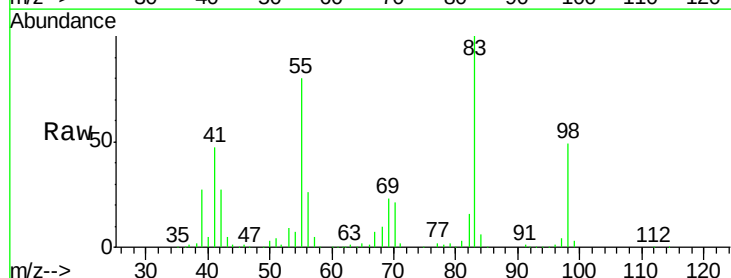
Tgt Ion: 83 Resp: 90092

Ion Ratio Lower Upper

83 100

55 79.6 64.4 96.6

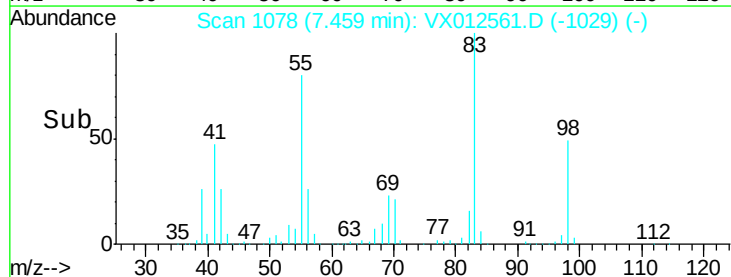
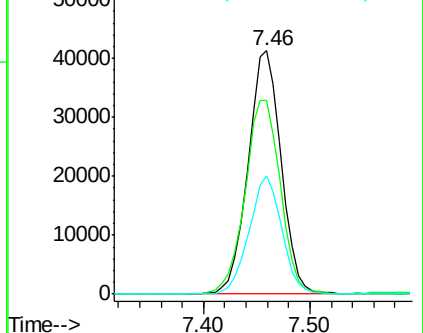
98 48.7 40.1 60.1

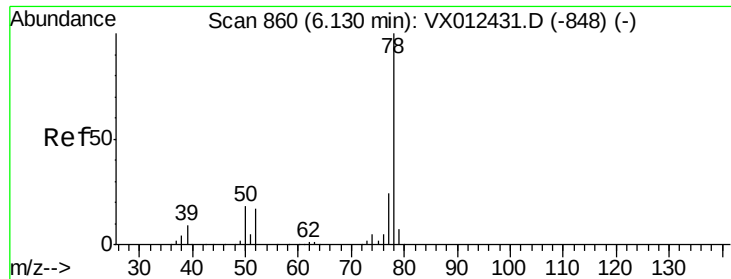


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.646 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

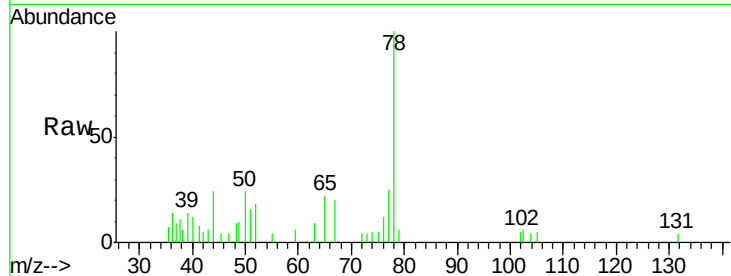
S13-0272DL

Tot Ion: 78 Resp: 3500

Ion Ratio Lower Upper

78 100

77 25.2 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

1500

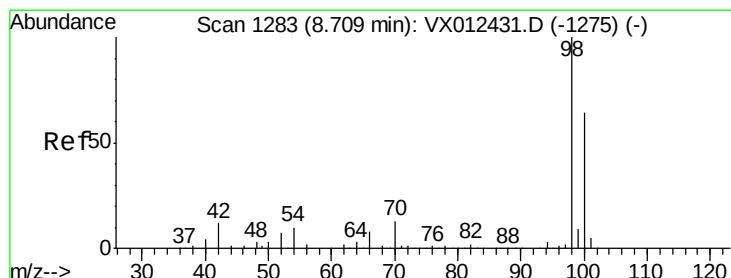
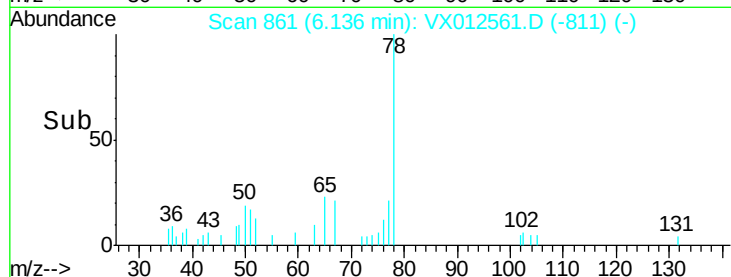
1000

500

0

Time-->

6.05 6.10 6.15 6.20



#50

Toluene-d8

Concen: 51.640 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012561.D

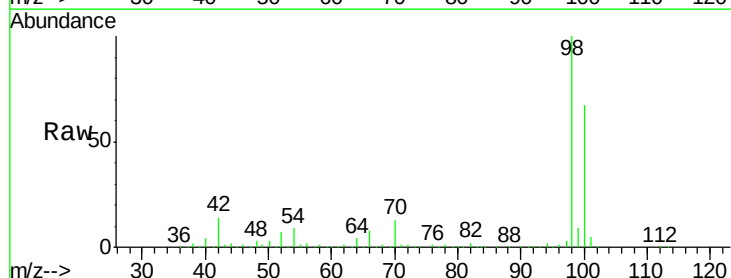
Acq: 20 Sep 2019 16:45

Tgt Ion: 98 Resp: 324140

Ion Ratio Lower Upper

98 100

100 66.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

200000

150000

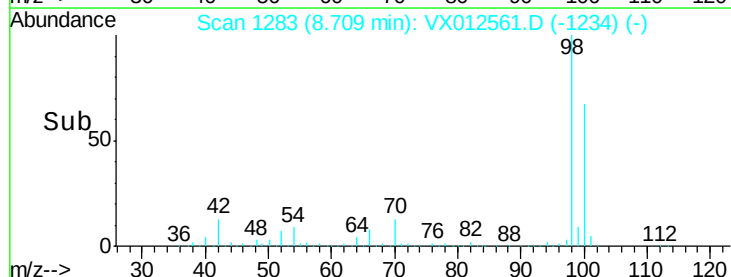
100000

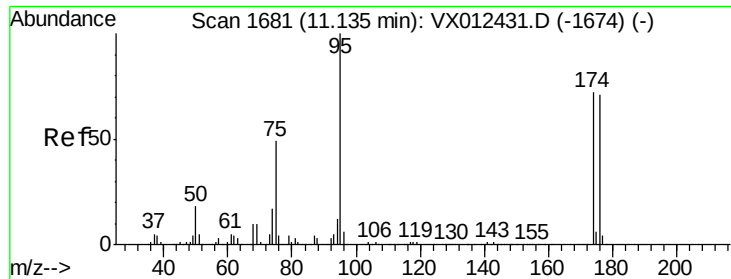
50000

0

Time-->

8.60 8.70 8.80

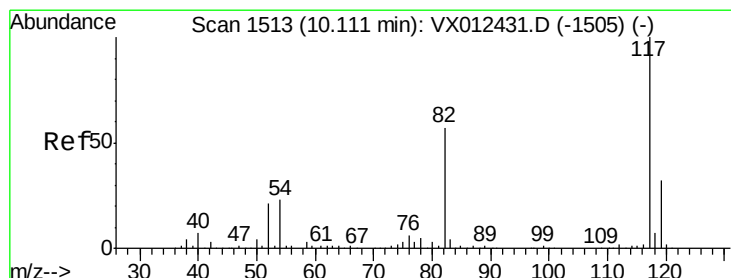
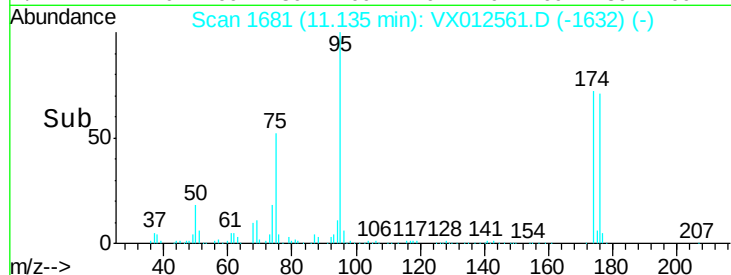
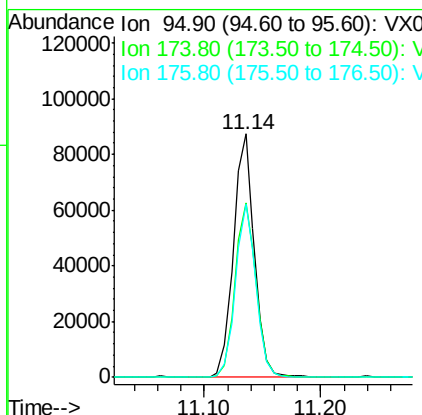
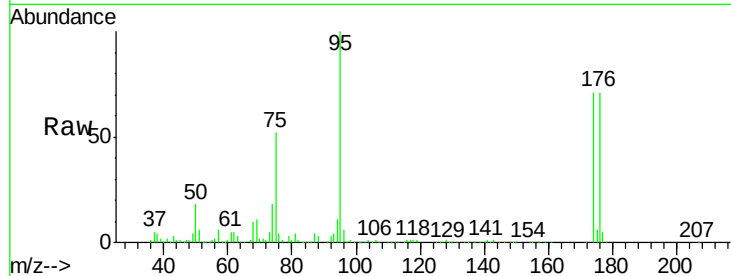




#62
4-Bromofluorobenzene
Concen: 41.956 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

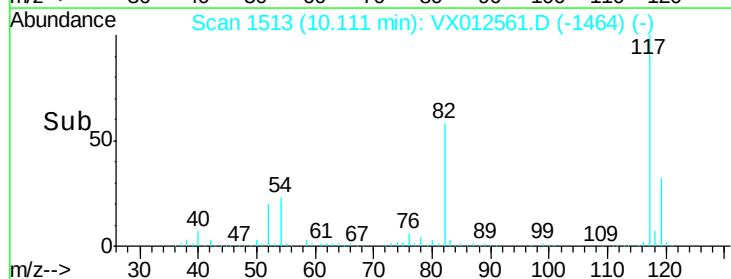
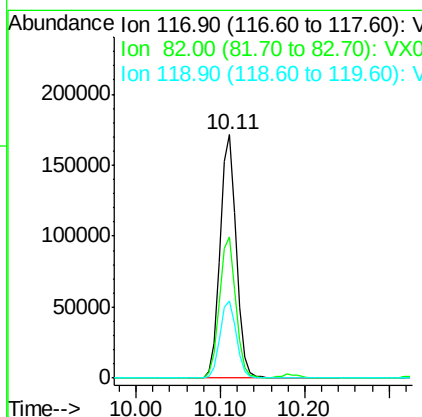
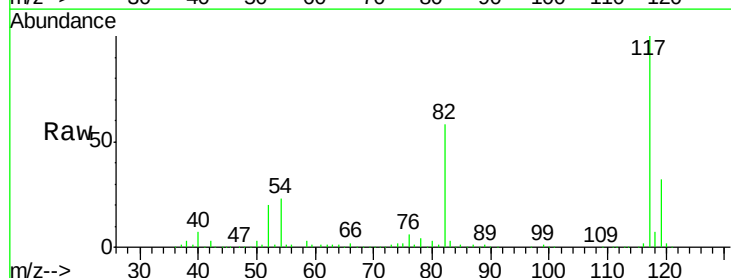
Instrument :
MSVOA_X
ClientSampleId :
S13-0272DL

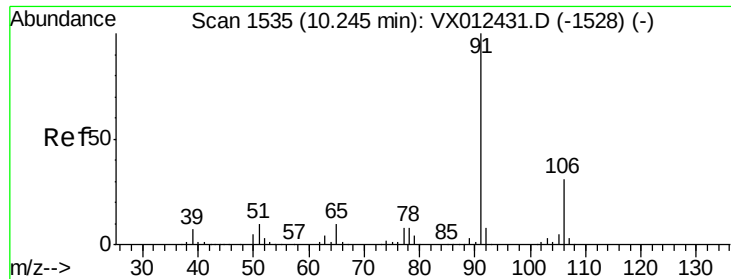
Tot Ion: 95 Resp: 109349
Ion Ratio Lower Upper
95 100
174 71.7 0.0 140.0
176 69.4 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

Tgt Ion: 117 Resp: 230090
Ion Ratio Lower Upper
117 100
82 58.1 45.9 68.9
119 31.8 25.3 37.9





#67

Ethyl Benzene

Concen: 20.480 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

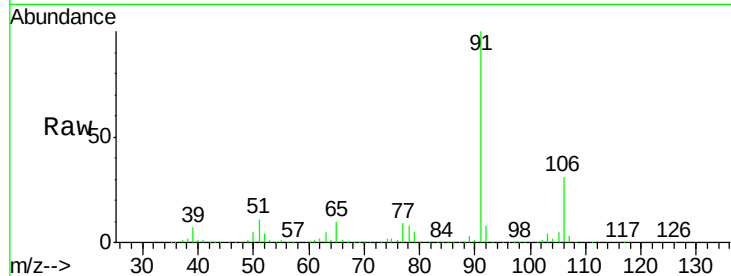
S13-0272DL

Tot Ion: 91 Resp: 133621

Ion Ratio Lower Upper

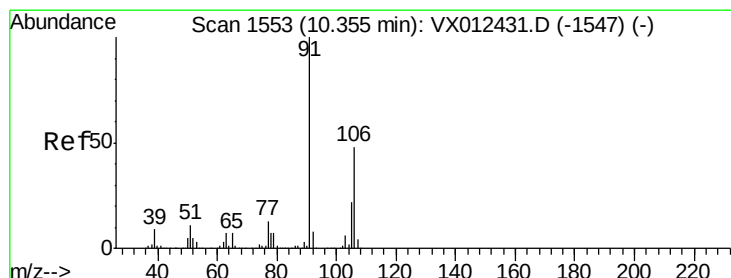
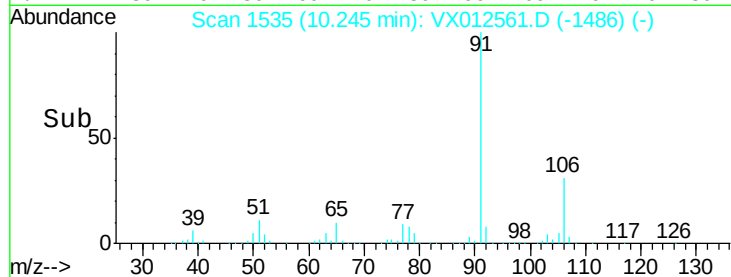
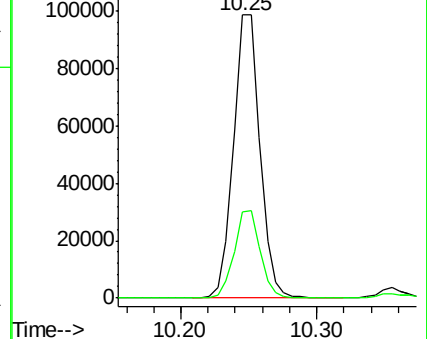
91 100

106 30.6 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 1.067 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012561.D

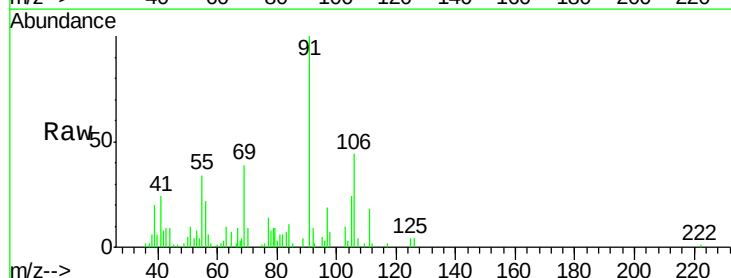
Acq: 20 Sep 2019 16:45

Tgt Ion: 106 Resp: 2534

Ion Ratio Lower Upper

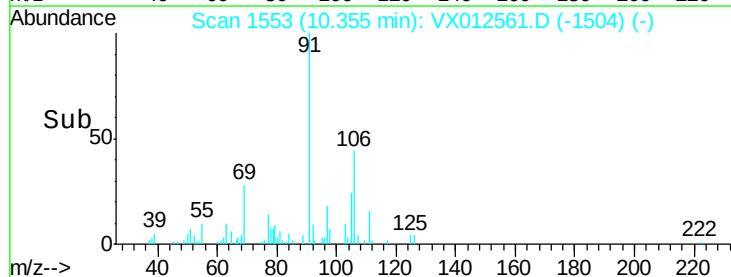
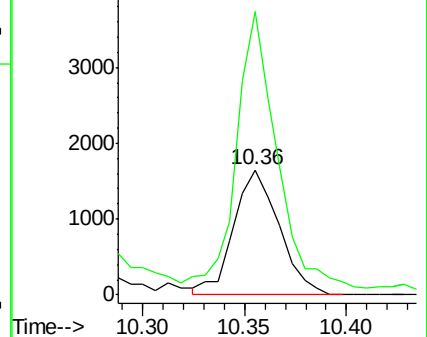
106 100

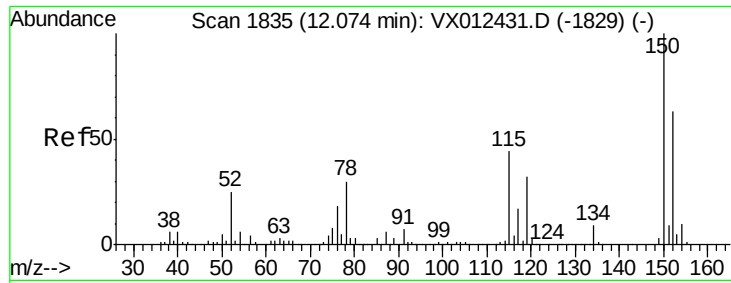
91 199.3 166.6 250.0



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

S13-0272DL

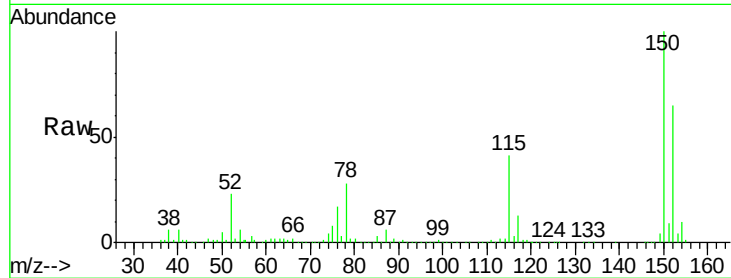
Tot Ion:152 Resp: 88276

Ion Ratio Lower Upper

152 100

115 63.7 44.1 132.3

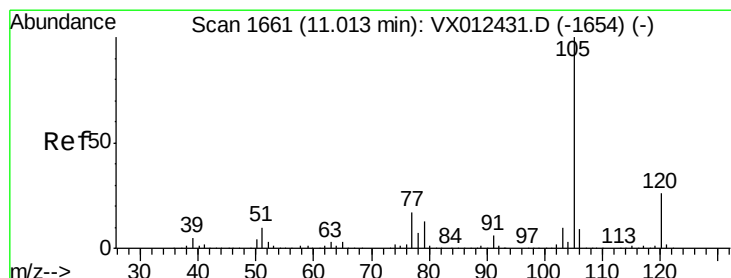
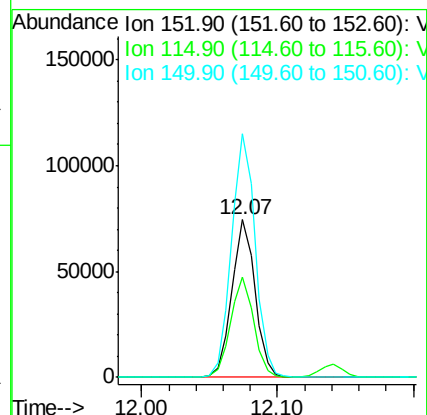
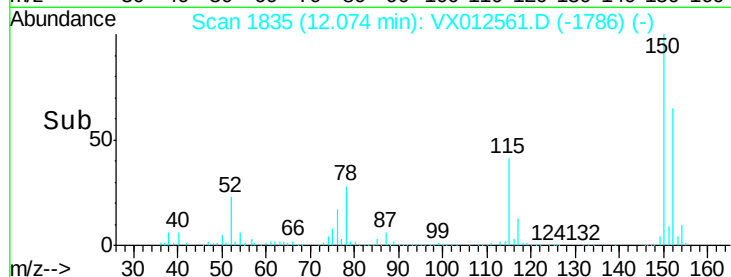
150 157.5 0.0 343.8



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



#73

Isopropylbenzene

Concen: 8.337 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012561.D

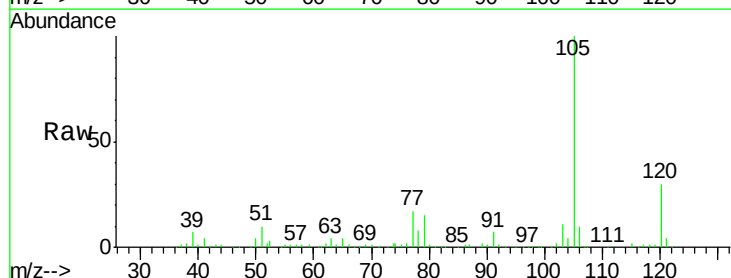
Acq: 20 Sep 2019 16:45

Tgt Ion:105 Resp: 46176

Ion Ratio Lower Upper

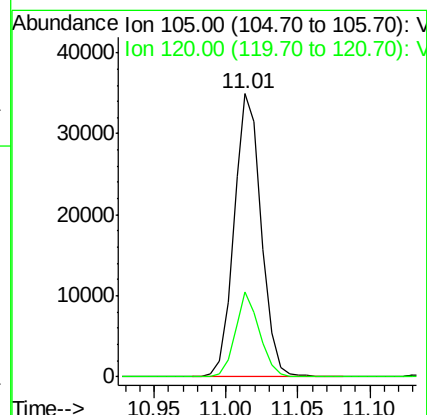
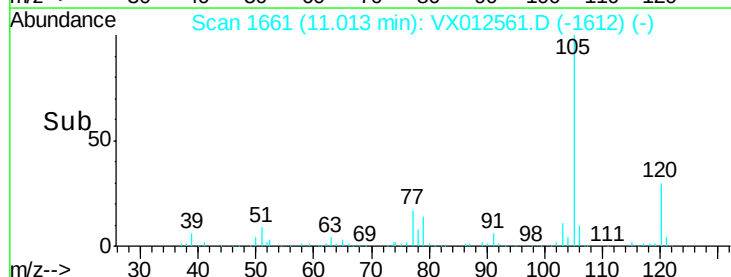
105 100

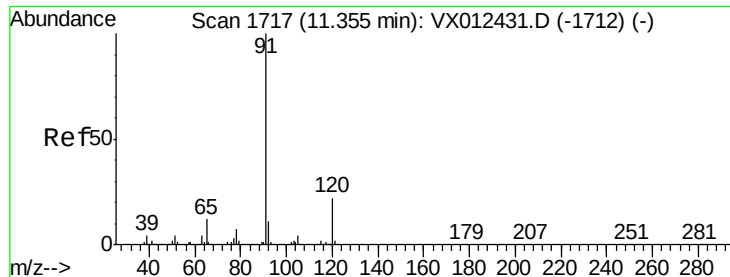
120 26.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 10.442 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012561.D

Acq: 20 Sep 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

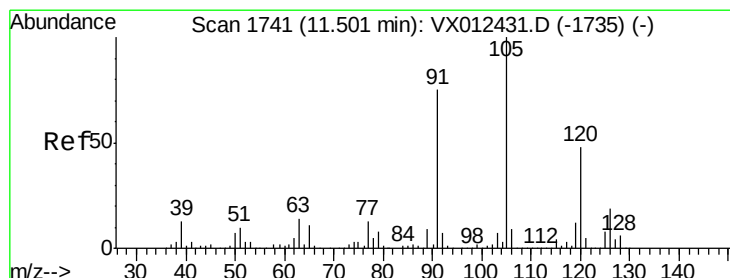
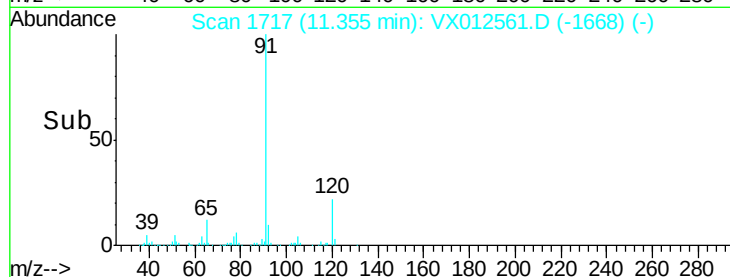
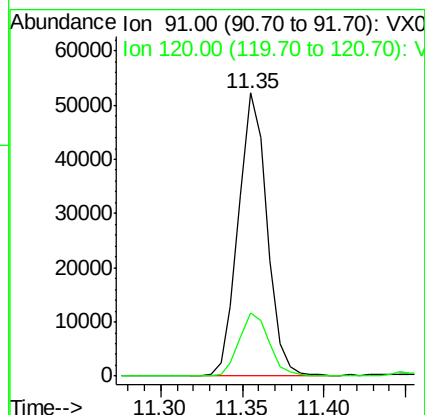
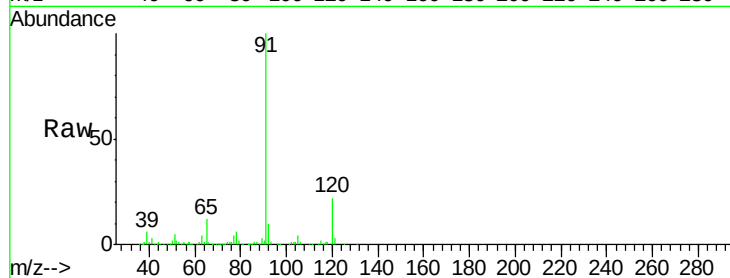
S13-0272DL

Tot Ion: 91 Resp: 64463

Ion Ratio Lower Upper

91 100

120 23.2 11.3 33.8



#80

1,3,5-Trimethylbenzene

Concen: 8.377 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012561.D

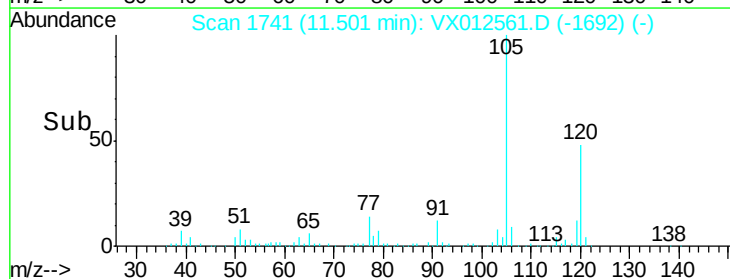
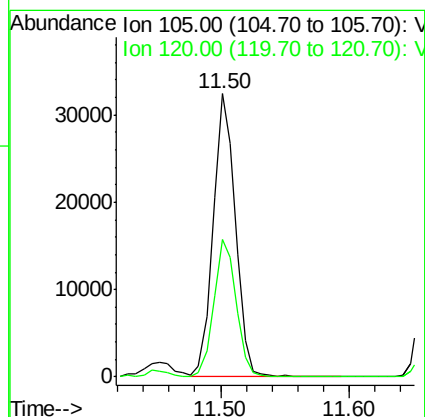
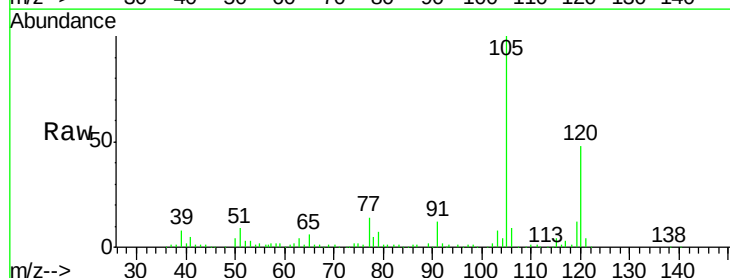
Acq: 20 Sep 2019 16:45

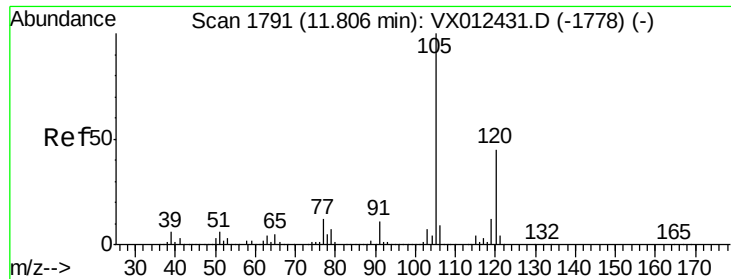
Tgt Ion: 105 Resp: 39572

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8

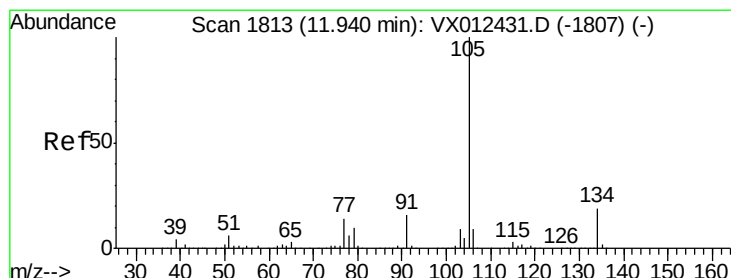
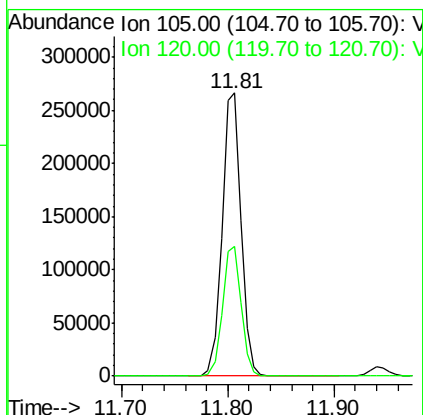
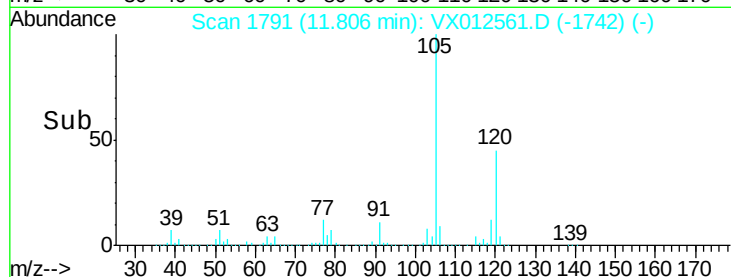
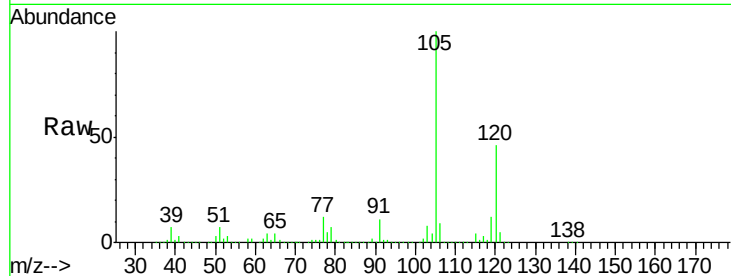




#84
 1,2,4-Trimethylbenzene
 Concen: 67.979 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012561.D
 Acq: 20 Sep 2019 16:45

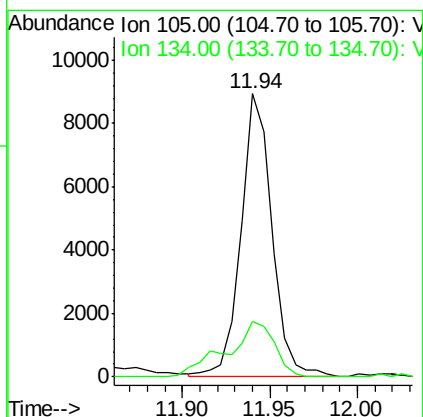
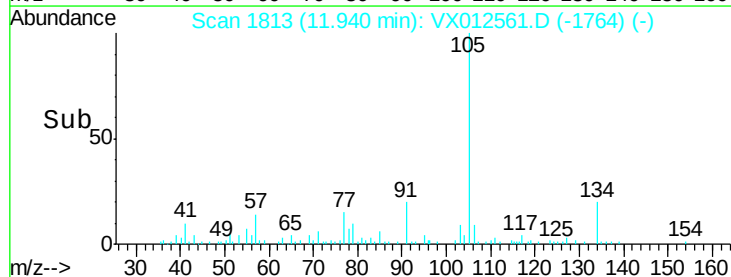
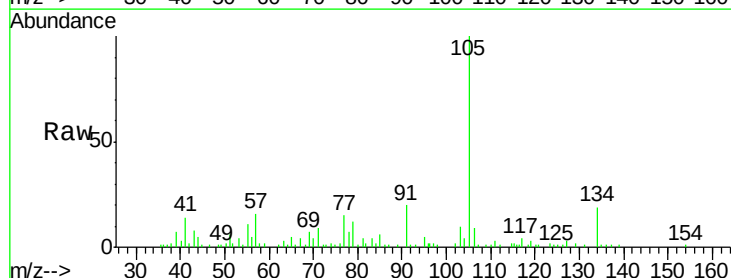
Instrument :
 MSVOA_X
 ClientSampled :
 S13-0272DL

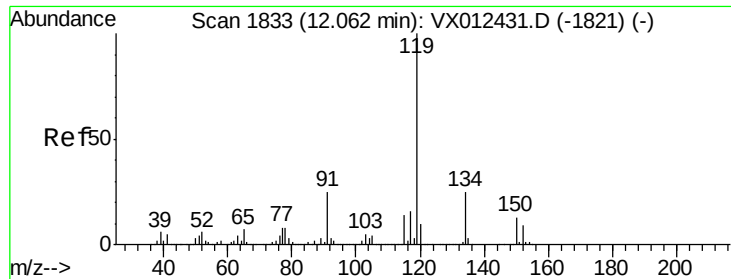
Tot Ion:105 Resp: 329710
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.2 66.6



#85
 sec-Butylbenzene
 Concen: 1.974 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012561.D
 Acq: 20 Sep 2019 16:45

Tgt Ion:105 Resp: 11009
 Ion Ratio Lower Upper
 105 100
 134 30.2 9.8 29.4#

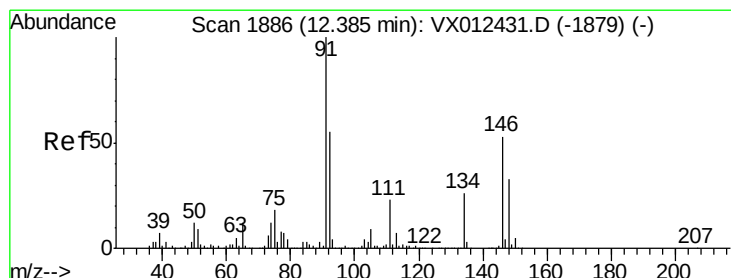
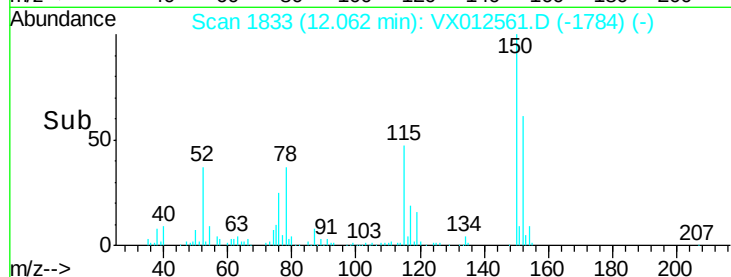
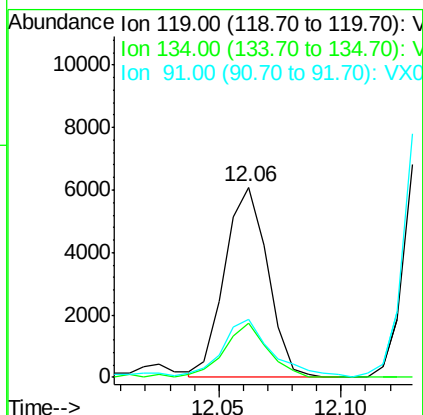
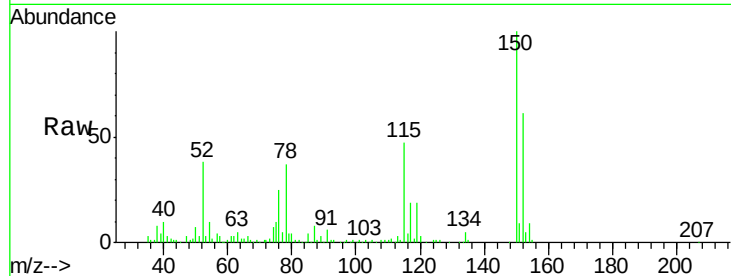




#86
p-Isopropyltoluene
Concen: 1.455 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

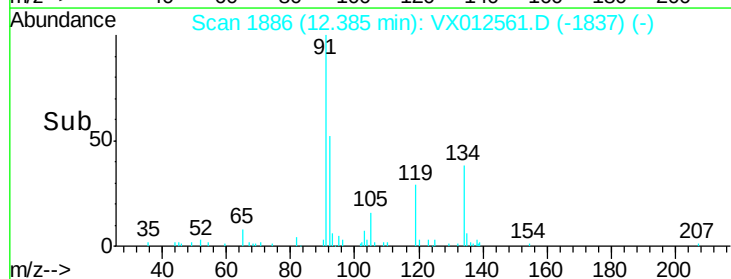
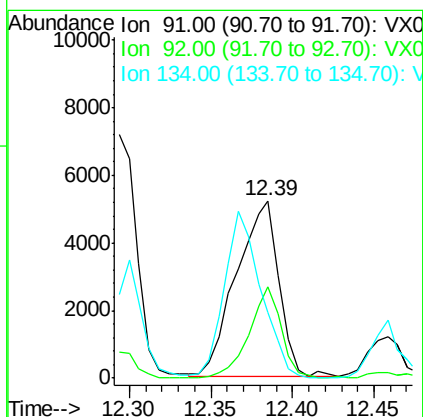
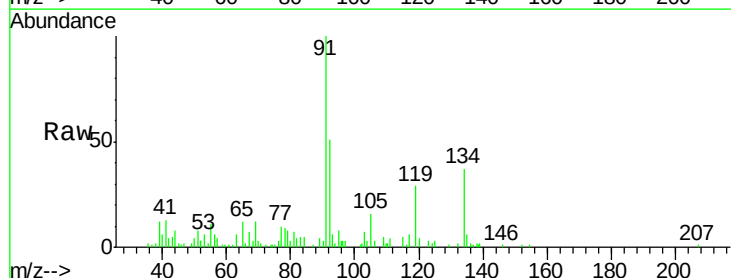
Instrument :
MSVOA_X
ClientSampled :
S13-0272DL

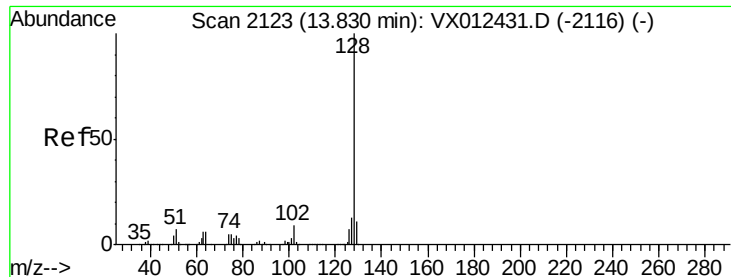
Tot Ion:119 Resp: 7453
Ion Ratio Lower Upper
119 100
134 28.2 12.7 38.1
91 35.2 12.8 38.4



#89
n-Butylbenzene
Concen: 2.046 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

Tgt Ion: 91 Resp: 9351
Ion Ratio Lower Upper
91 100
92 39.6 27.7 83.0
134 83.7 12.9 38.6#

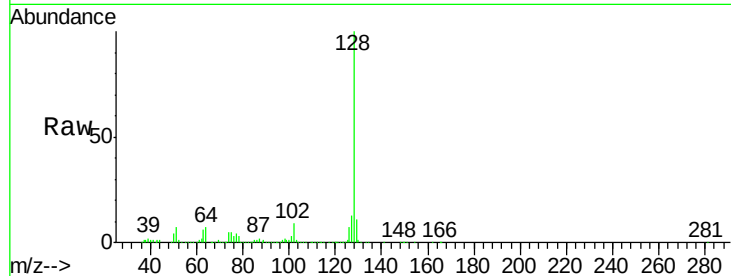




#95
Naphthalene
Concen: 17.361 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012561.D
Acq: 20 Sep 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
S13-0272DL

Tot Ion:128 Resp: 105672
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

