

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011634.D
 Acq On : 19 Aug 2019 16:06
 Operator : JC/SP
 Sample : K4392-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-1DL

Quant Time: Aug 20 11:08:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	451003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	608262	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	552310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	289922	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	209497	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
35) Dibromofluoromethane	5.49	113	180624	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	
50) Toluene-d8	8.71	98	671649	54.18	ug/l	0.00
Spiked Amount			Recovery	=	108.36%	
62) 4-Bromofluorobenzene	11.13	95	258331	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	

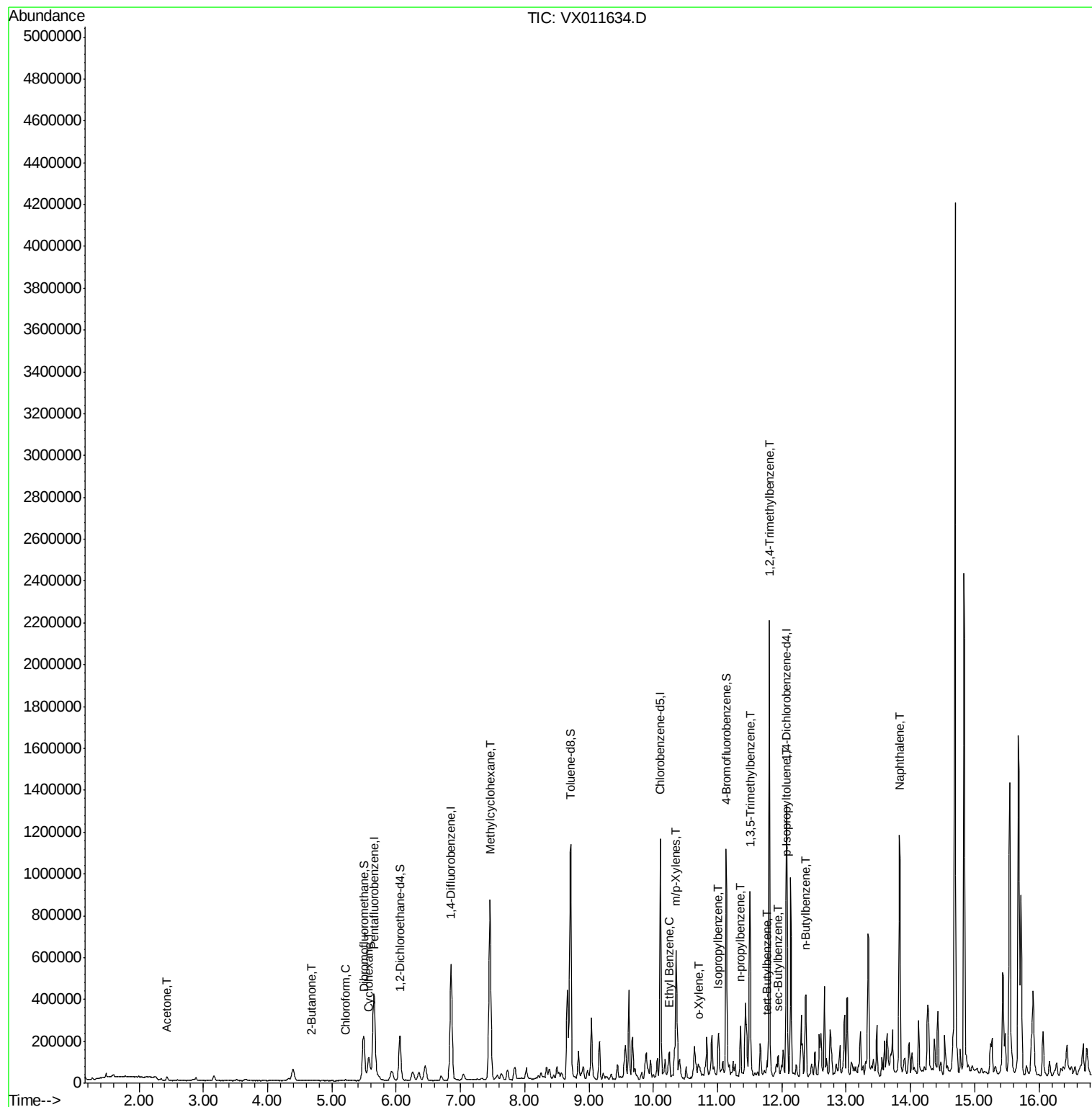
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	17553	8.347	ug/l	97
25) 2-Butanone	4.68	43	7315	2.216	ug/l	93
30) Chloroform	5.21	83	3754	0.494	ug/l	97
31) Cyclohexane	5.57	56	77444	12.488	ug/l	98
39) Methylcyclohexane	7.46	83	395586	61.595	ug/l	97
67) Ethyl Benzene	10.25	91	62413	3.175	ug/l	98
68) m/p-Xylenes	10.35	106	136086	18.033	ug/l	99
69) o-Xylene	10.69	106	11193	1.514	ug/l	82
73) Isopropylbenzene	11.02	105	106706	5.672	ug/l	99
78) n-propylbenzene	11.36	91	155993	7.690	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	403140	25.510	ug/l	99
83) tert-Butylbenzene	11.77	119	14869	0.924	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	925754	58.351	ug/l	100
85) sec-Butylbenzene	11.94	105	44816	2.468	ug/l	100
86) p-Isopropyltoluene	12.06	119	30578	1.790	ug/l	99
89) n-Butylbenzene	12.37	91	47028	3.348	ug/l #	7
95) Naphthalene	13.83	128	747721	36.756	ug/l	99

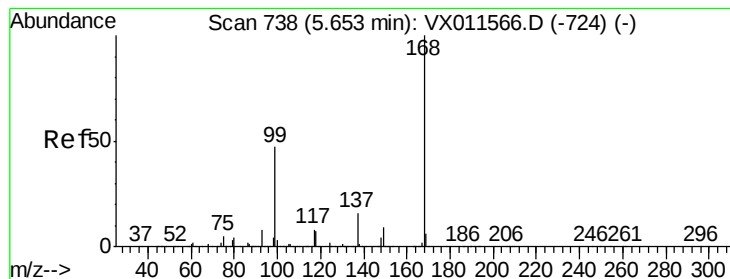
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011634.D

Acq: 19 Aug 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

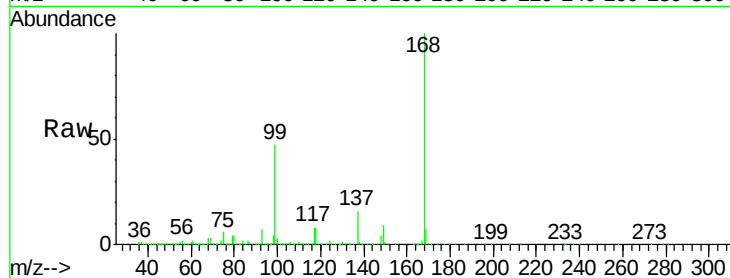
GW-1DL

Tot Ion:168 Resp: 451003

Ion Ratio Lower Upper

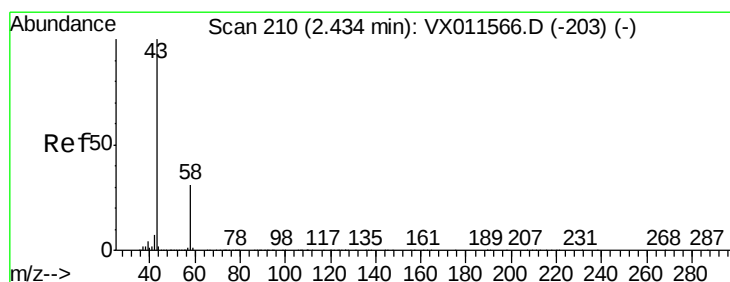
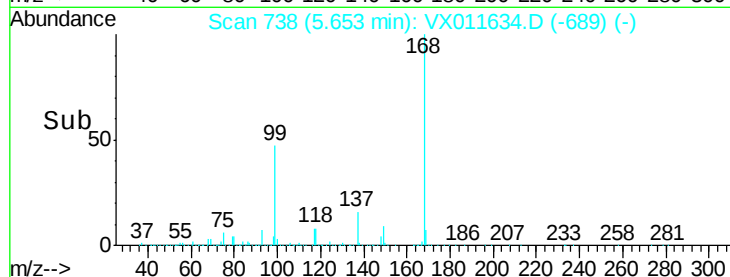
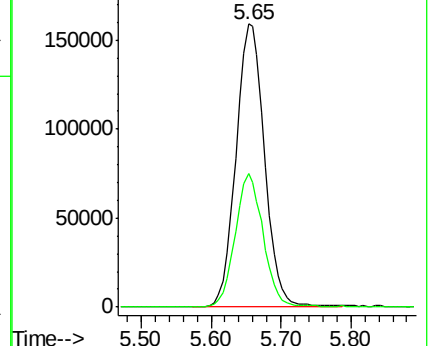
168 100

99 47.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 8.347 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011634.D

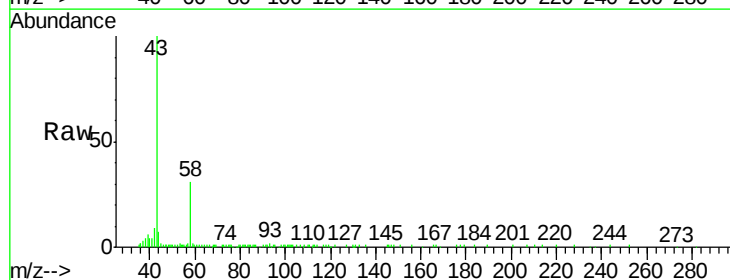
Acq: 19 Aug 2019 16:06

Tgt Ion: 43 Resp: 17553

Ion Ratio Lower Upper

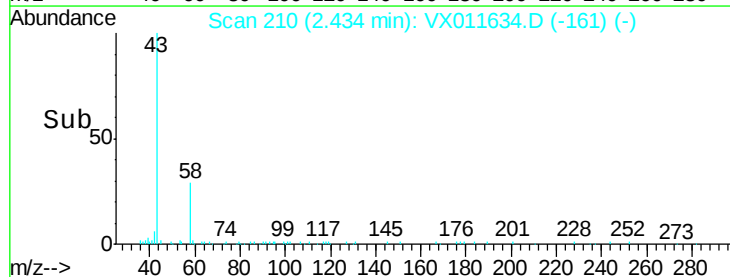
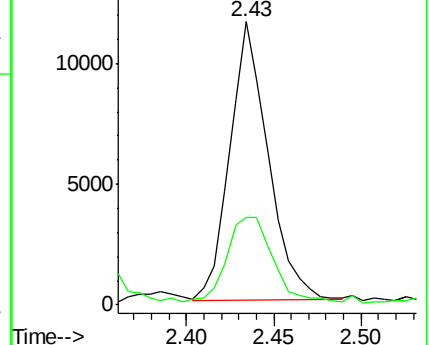
43 100

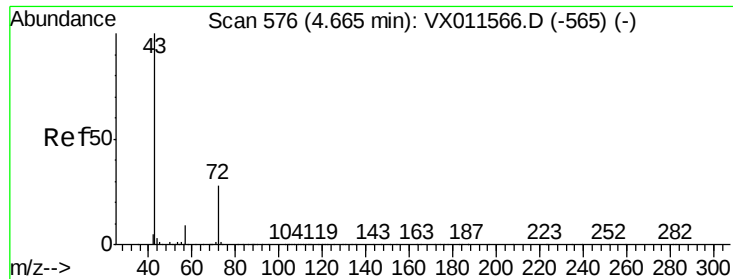
58 30.1 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

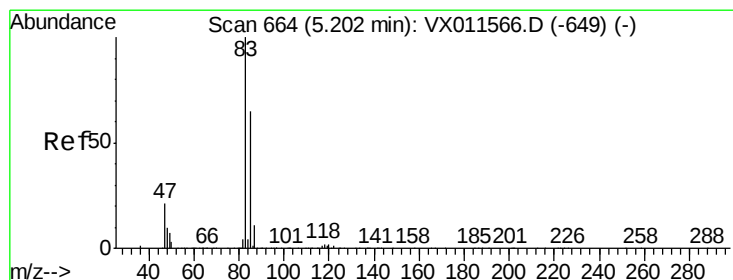
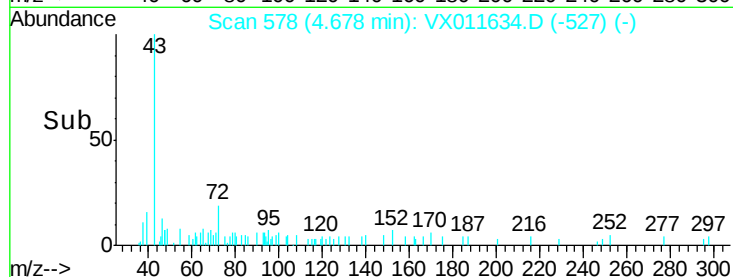
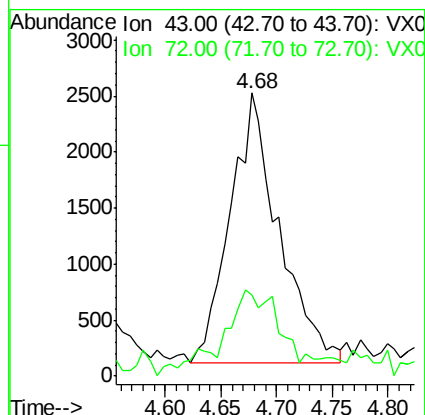
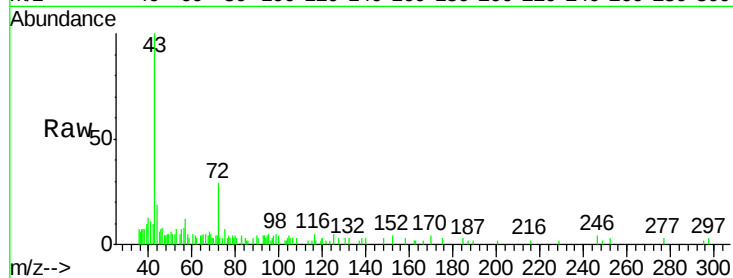




#25
2-Butanone
Concen: 2.216 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX011634.D
Acq: 19 Aug 2019 16:06

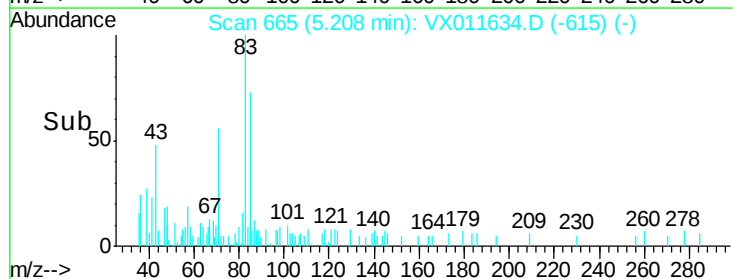
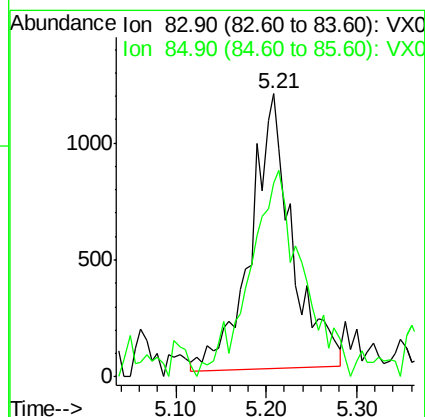
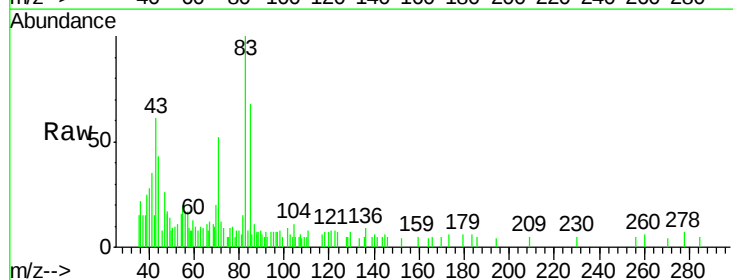
Instrument :
MSVOA_X
ClientSampled :
GW-1DL

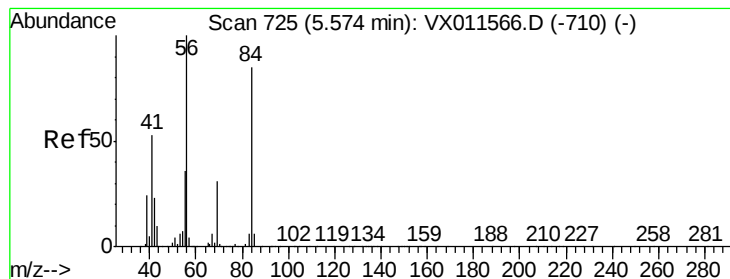
Tot Ion: 43 Resp: 7315
Ion Ratio Lower Upper
43 100
72 24.0 22.2 33.4



#30
Chloroform
Concen: 0.494 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.01 min
Lab File: VX011634.D
Acq: 19 Aug 2019 16:06

Tgt Ion: 83 Resp: 3754
Ion Ratio Lower Upper
83 100
85 67.5 51.9 77.9





#31

Cyclohexane

Concen: 12.488 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011634.D

Acq: 19 Aug 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

GW-1DL

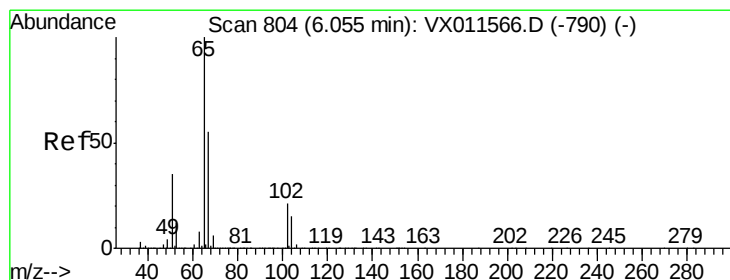
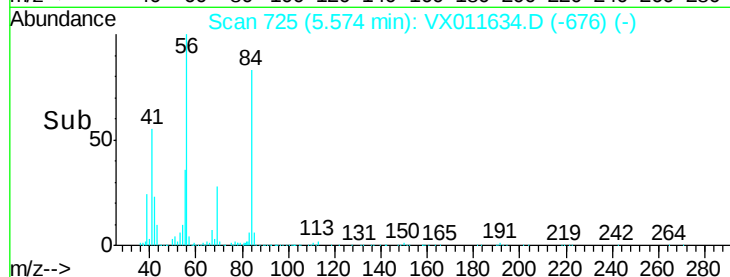
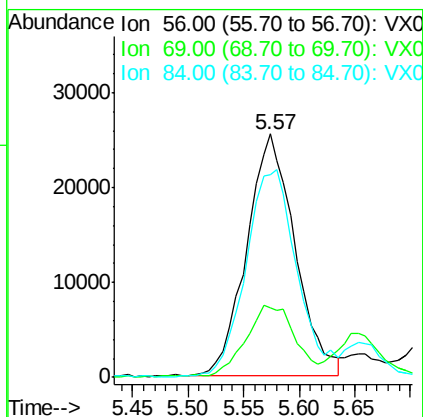
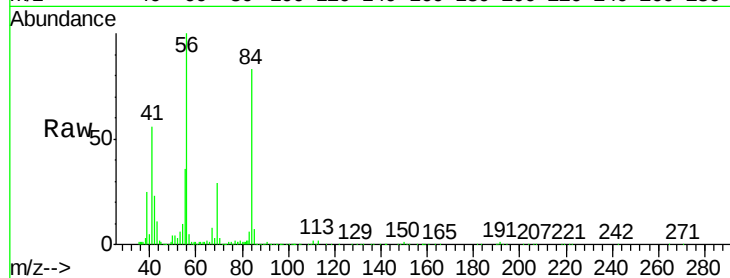
Tot Ion: 56 Resp: 77444

Ion Ratio Lower Upper

56 100

69 28.3 24.8 37.2

84 83.5 67.9 101.9



#33

1,2-Dichloroethane-d4

Concen: 50.090 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011634.D

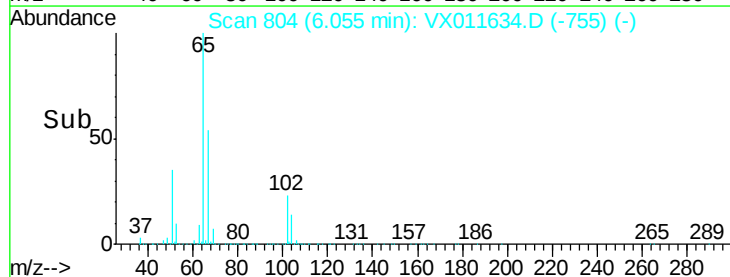
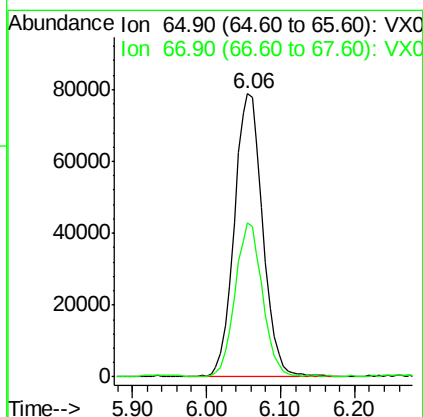
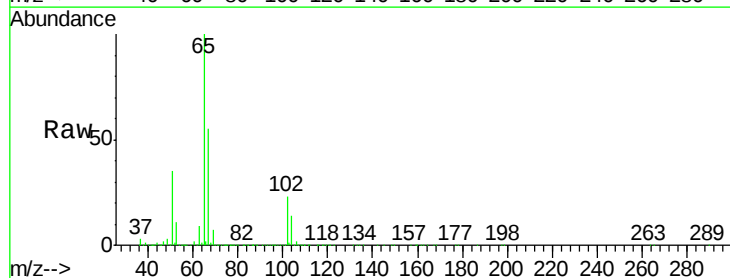
Acq: 19 Aug 2019 16:06

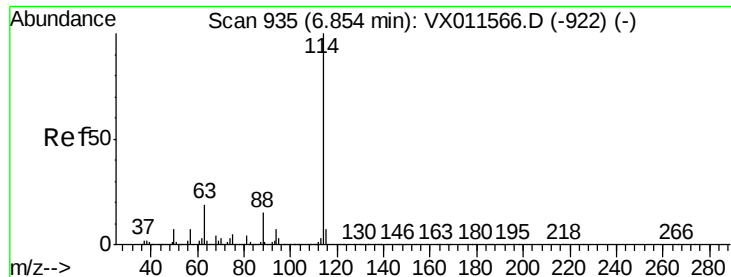
Tgt Ion: 65 Resp: 209497

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011634.D

Acq: 19 Aug 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

GW-1DL

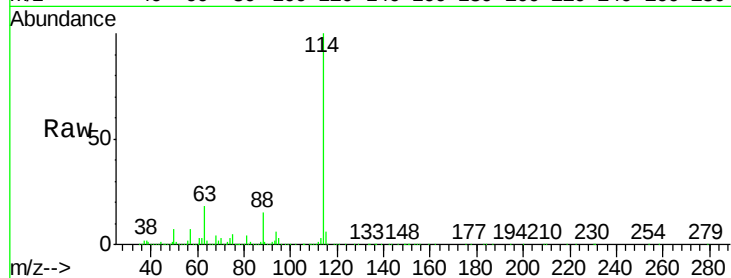
Tot Ion:114 Resp: 608262

Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.8

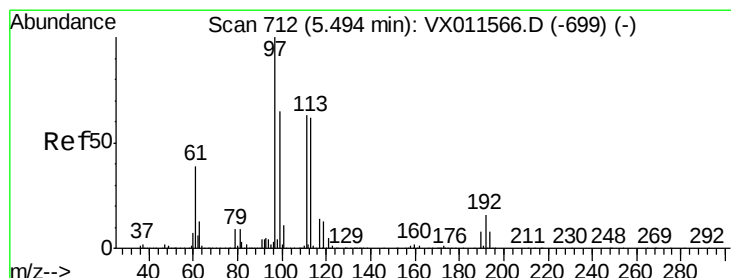
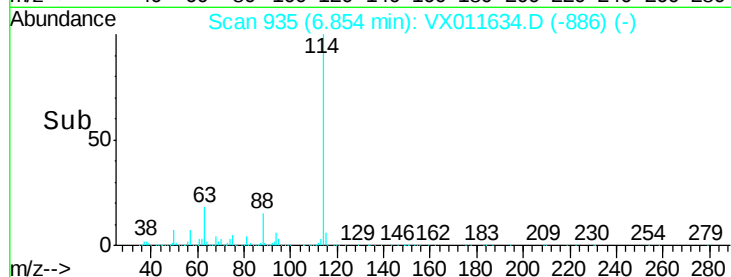
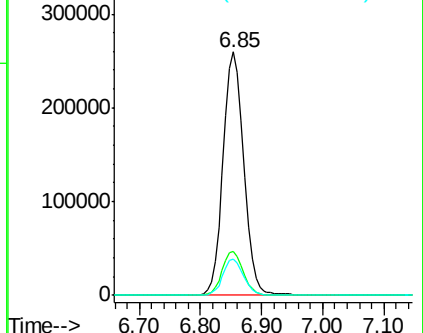
88 14.8 0.0 30.2



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: 45.401 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011634.D

Acq: 19 Aug 2019 16:06

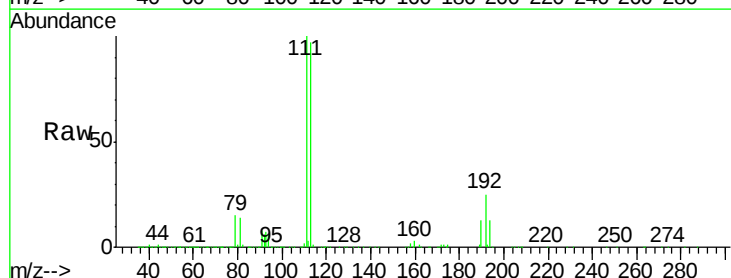
Tgt Ion:113 Resp: 180624

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

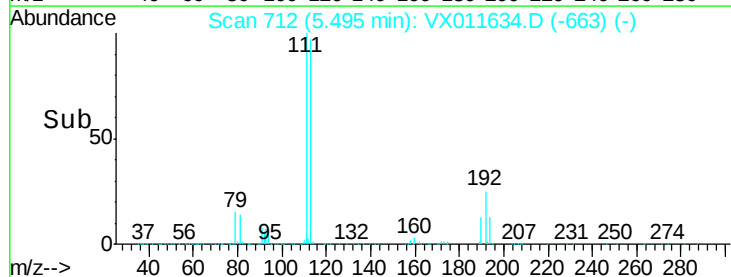
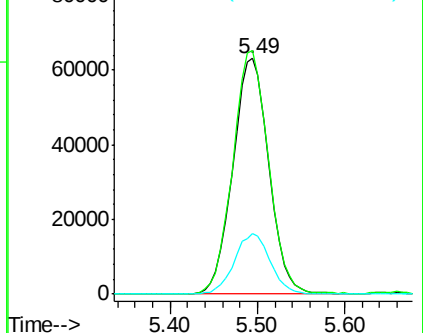
192 25.9 20.8 31.2

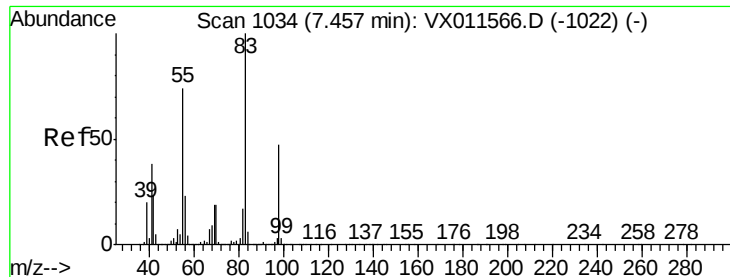


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

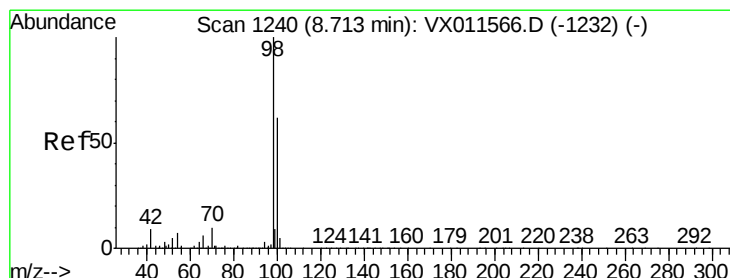
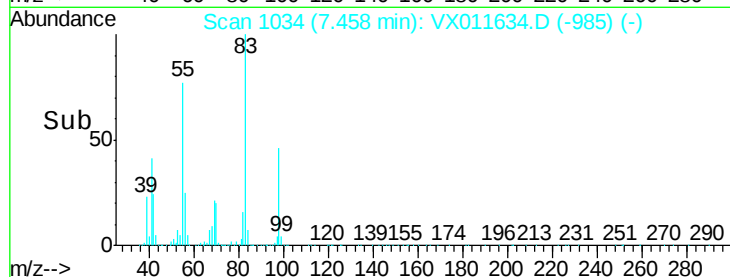
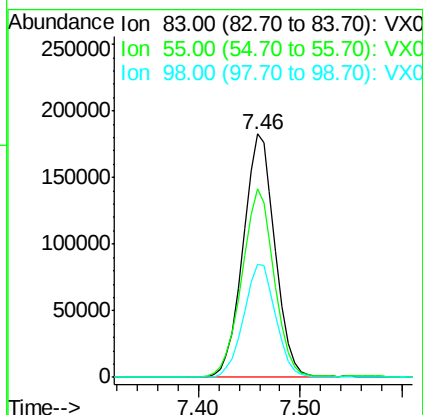
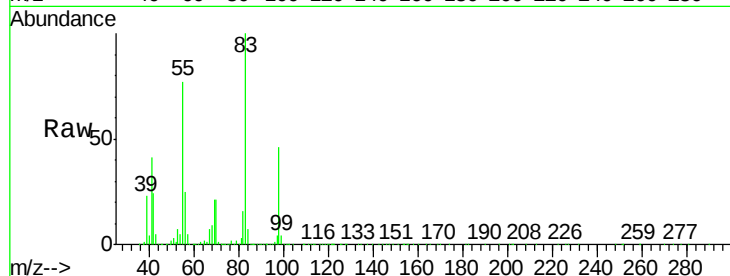




#39
Methvlcvclohexane
Concen: 61.595 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011634.D
Acq: 19 Aug 2019 16:06

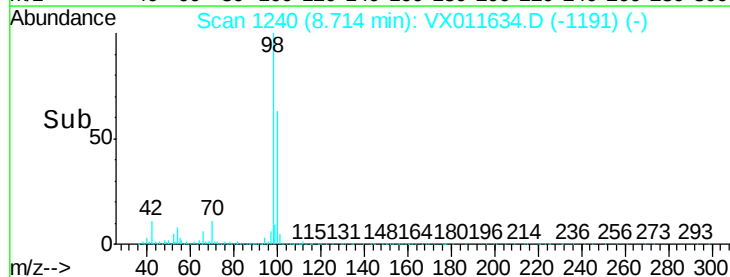
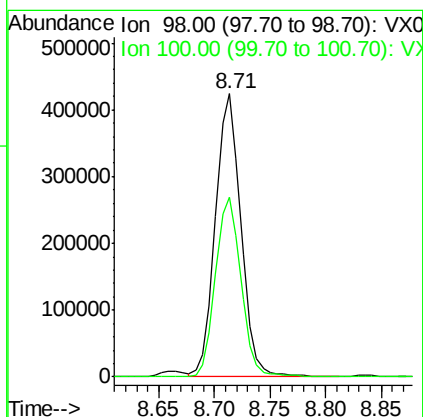
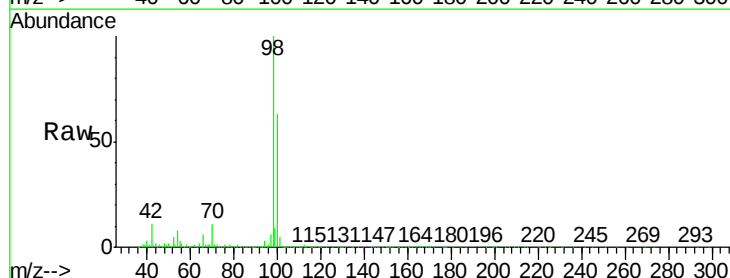
Instrument :
MSVOA_X
ClientSampleId :
GW-1DL

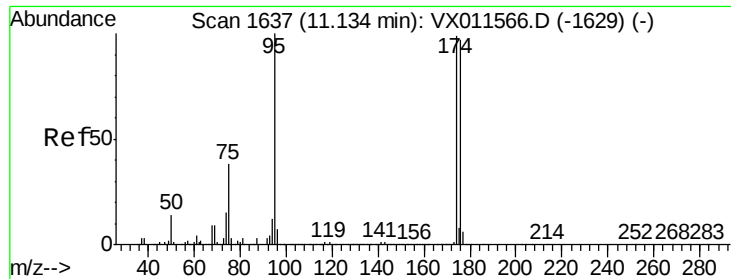
Tot Ion	83	Resp	395586
Ion	Ratio	Lower	Upper
83	100		
55	77.3	58.8	88.2
98	46.4	37.8	56.6



#50
Toluene-d8
Concen: 54.182 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011634.D
Acq: 19 Aug 2019 16:06

Tgt Ion	98	Resp	671649
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.4	78.6

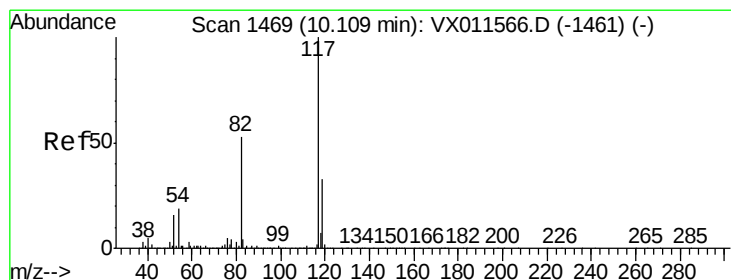
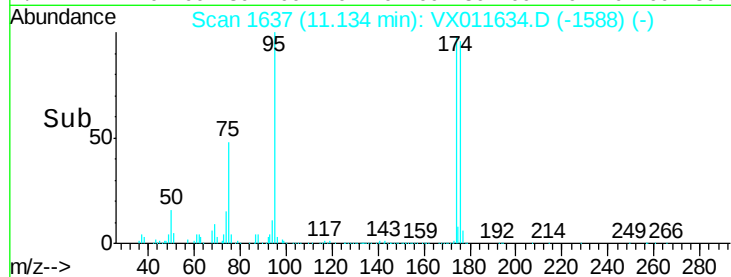
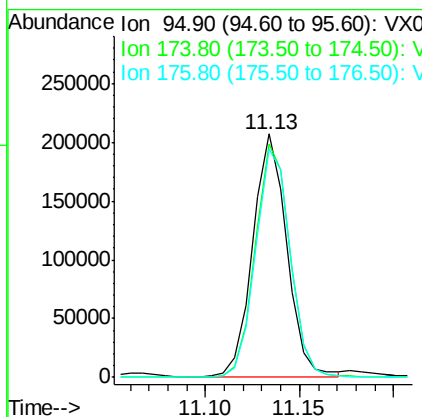
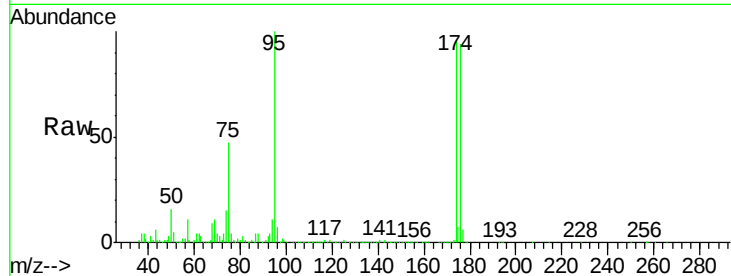




#62
4-Bromofluorobenzene
Concen: 49.373 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011634.D
Acq: 19 Aug 2019 16:06

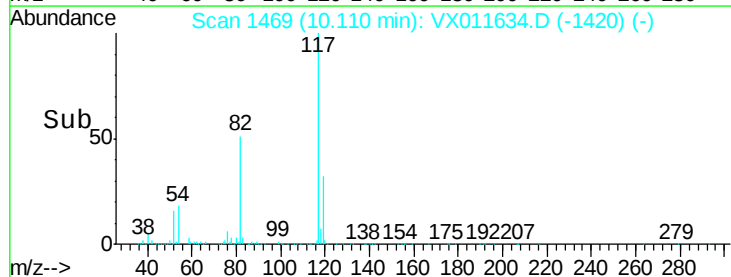
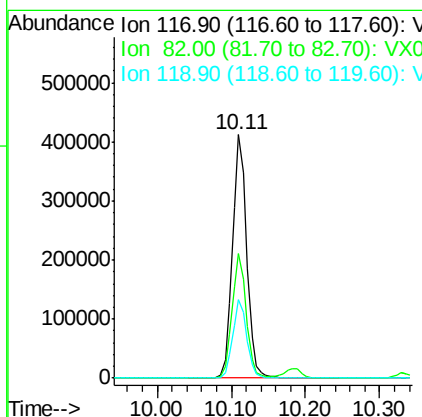
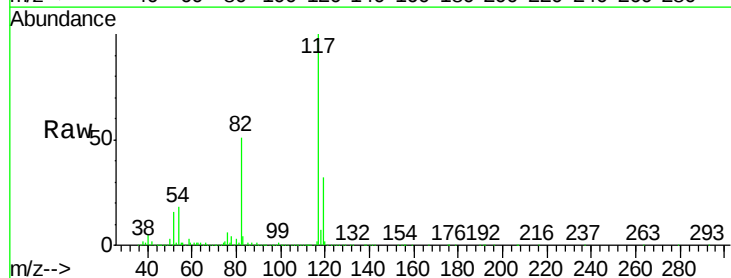
Instrument :
MSVOA_X
ClientSampled :
GW-1DL

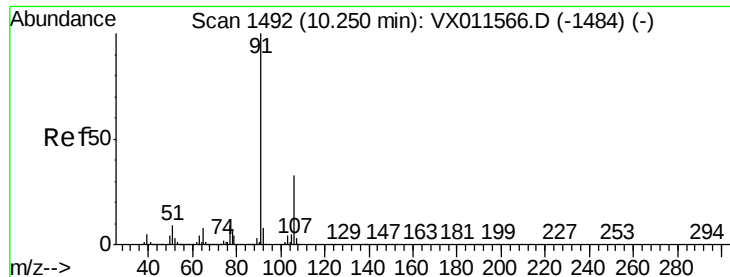
Tot Ion	Ratio	Lower	Upper
95	100		
174	98.0	0.0	200.6
176	95.9	0.0	196.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011634.D
Acq: 19 Aug 2019 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.0	63.0
119	32.1	26.5	39.7





#67

Ethyl Benzene

Concen: 3.175 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011634.D

Acq: 19 Aug 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

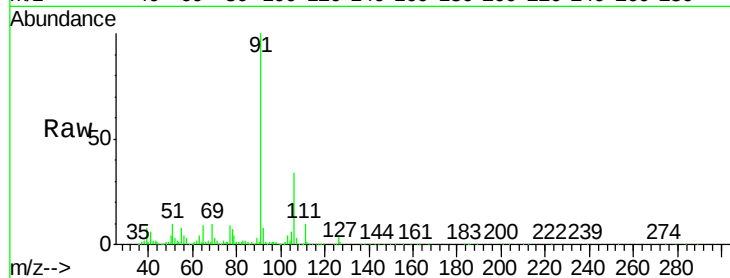
GW-1DL

Tot Ion: 91 Resp: 62413

Ion Ratio Lower Upper

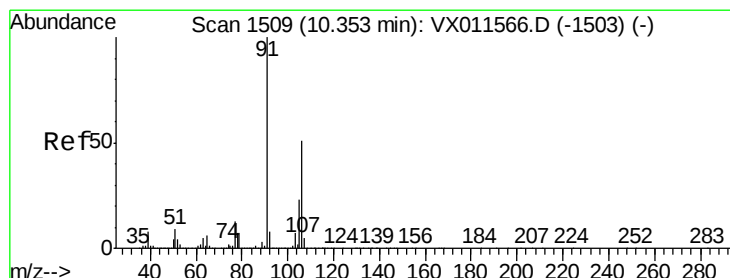
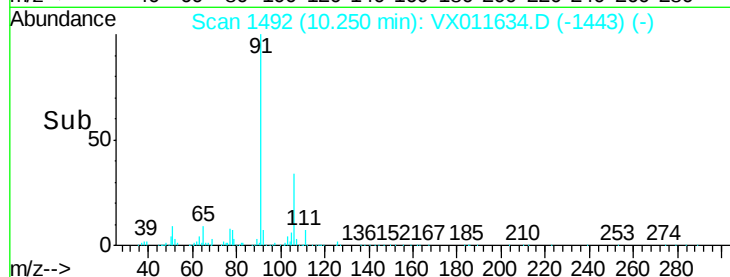
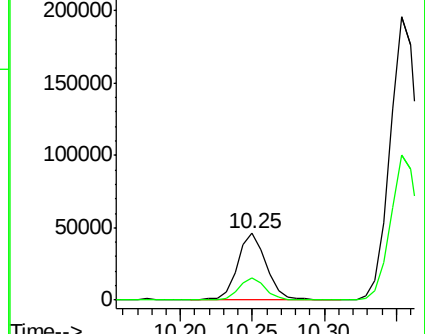
91 100

106 33.8 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 18.033 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011634.D

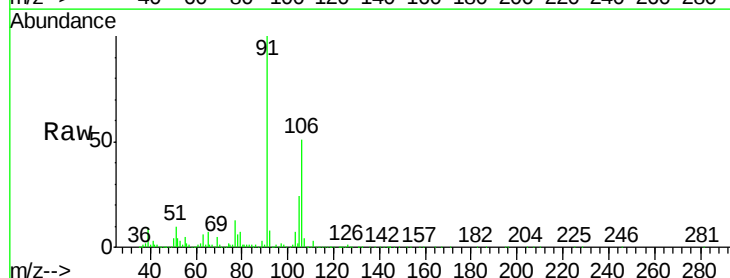
Acq: 19 Aug 2019 16:06

Tgt Ion: 106 Resp: 136086

Ion Ratio Lower Upper

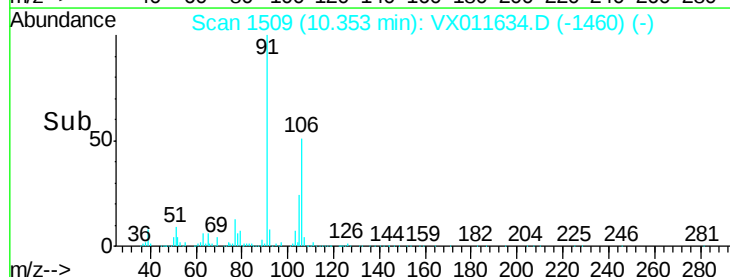
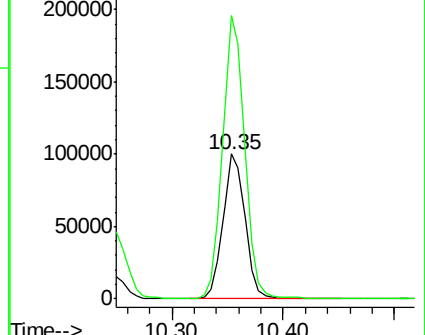
106 100

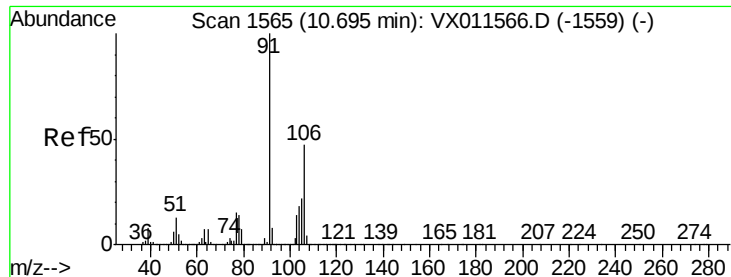
91 196.5 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

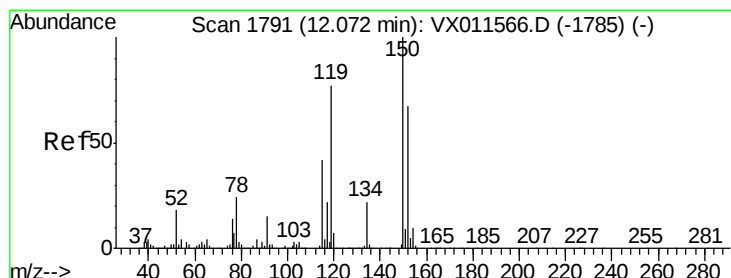
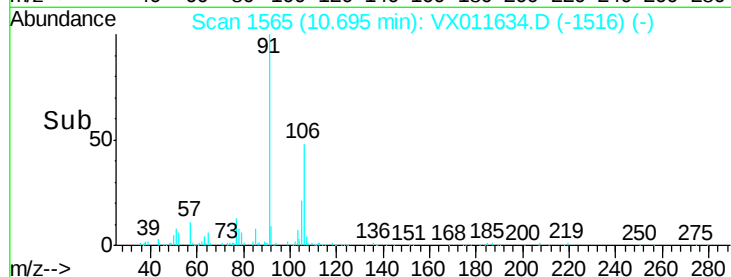
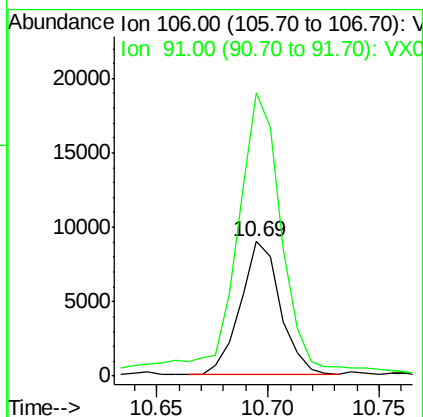
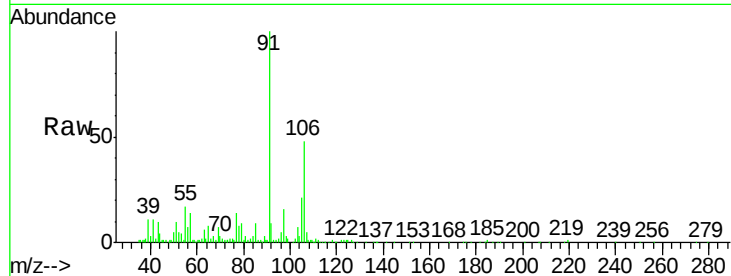




#69
o-Xylene
Concen: 1.514 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011634.D
Acq: 19 Aug 2019 16:06

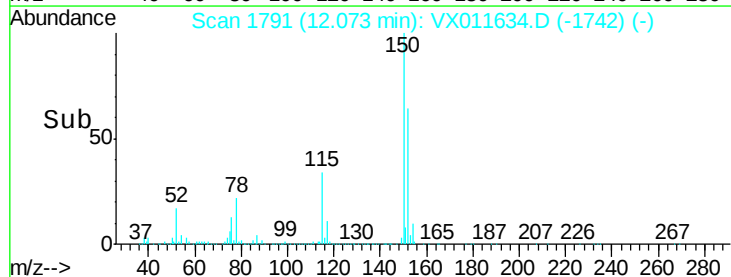
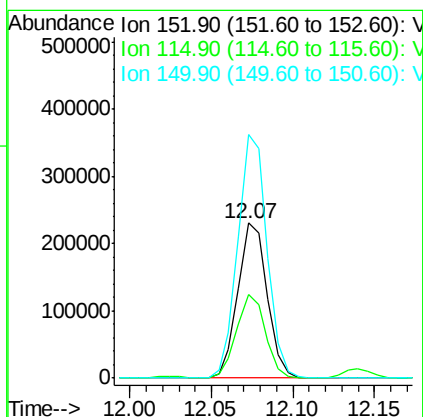
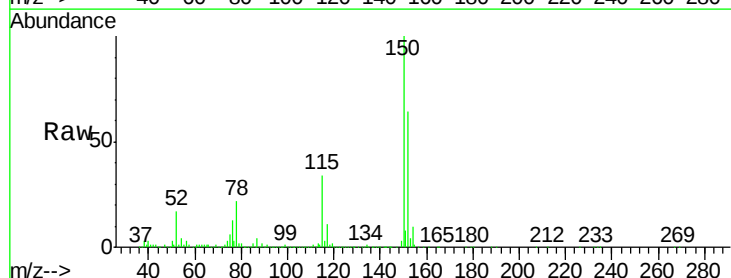
Instrument :
MSVOA_X
ClientSampled :
GW-1DL

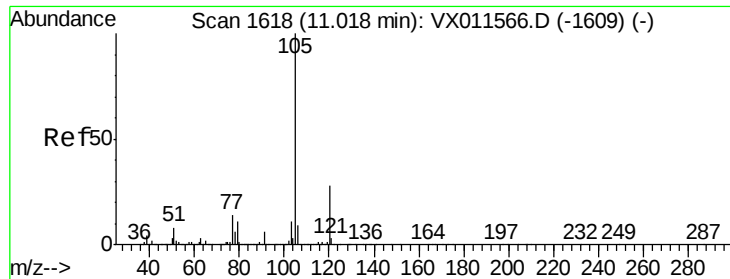
Tot Ion:106 Resp: 11193
Ion Ratio Lower Upper
106 100
91 239.4 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011634.D
Acq: 19 Aug 2019 16:06

Tgt Ion:152 Resp: 289922
Ion Ratio Lower Upper
152 100
115 52.9 37.3 111.9
150 156.5 0.0 346.2





#73

Isopropylbenzene

Concen: 5.672 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011634.D

Acq: 19 Aug 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

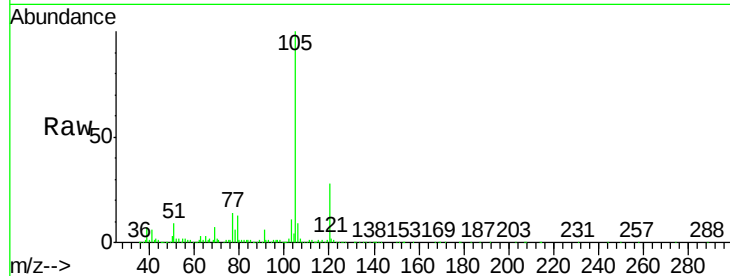
GW-1DL

Tot Ion:105 Resp: 106706

Ion Ratio Lower Upper

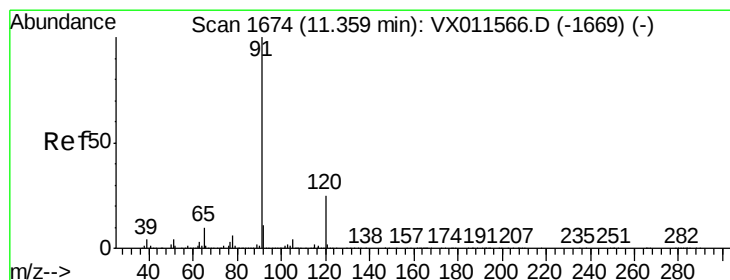
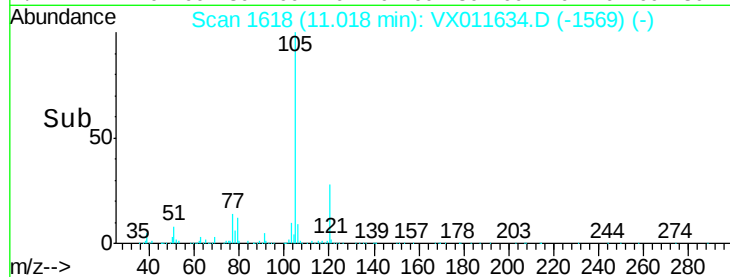
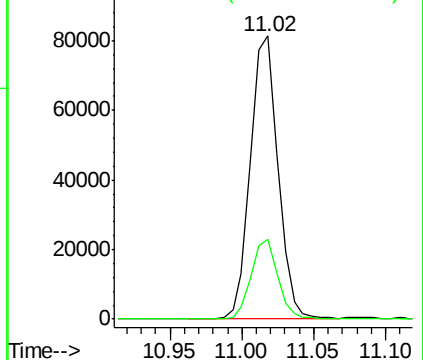
105 100

120 27.3 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 7.690 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011634.D

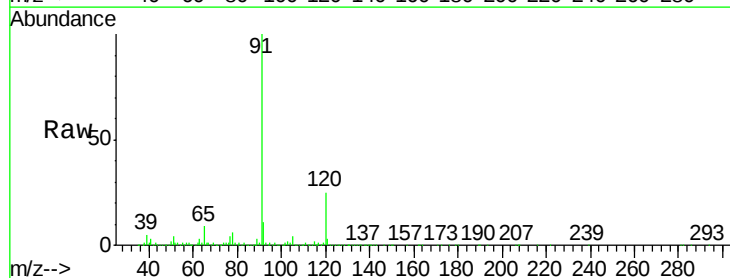
Acq: 19 Aug 2019 16:06

Tgt Ion: 91 Resp: 155993

Ion Ratio Lower Upper

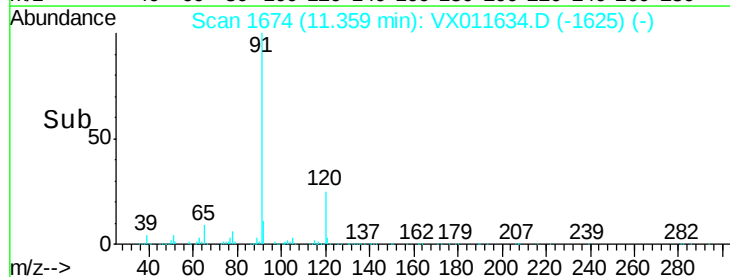
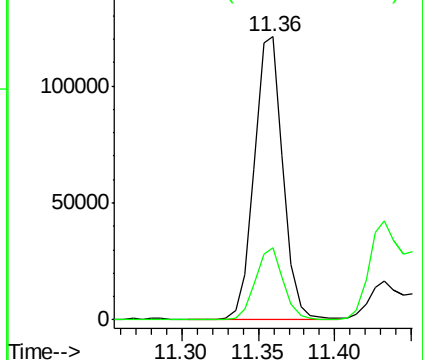
91 100

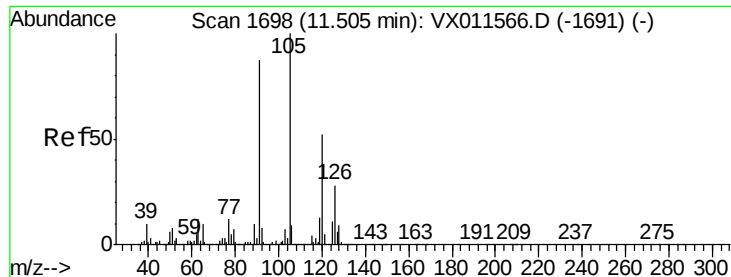
120 25.3 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

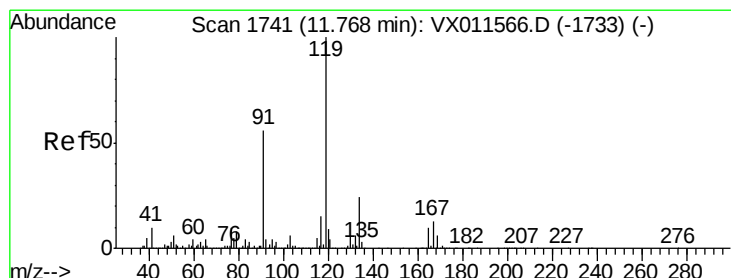
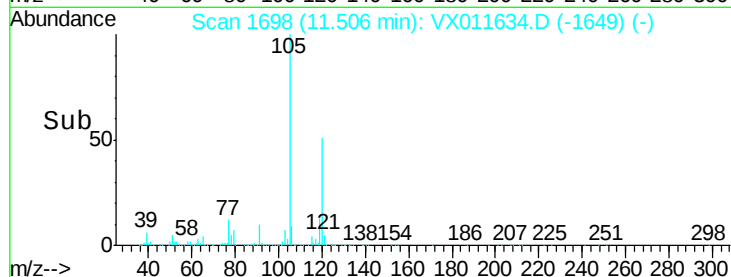
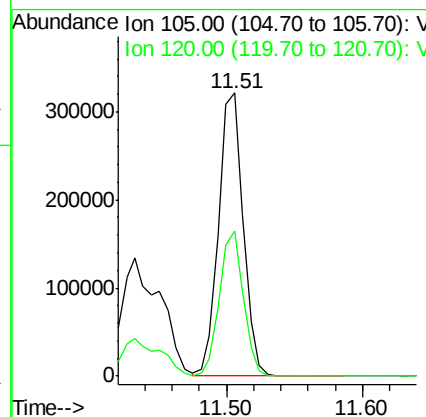
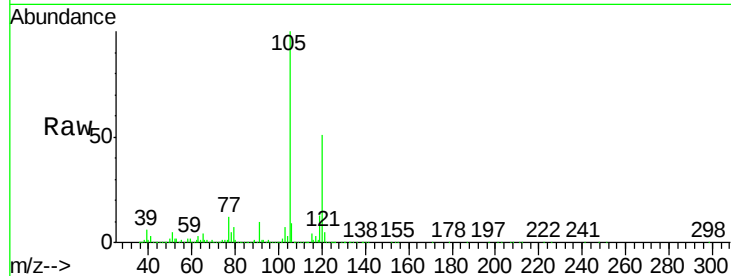




#80
 1,3,5-Trimethylbenzene
 Concen: 25.510 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011634.D
 Acq: 19 Aug 2019 16:06

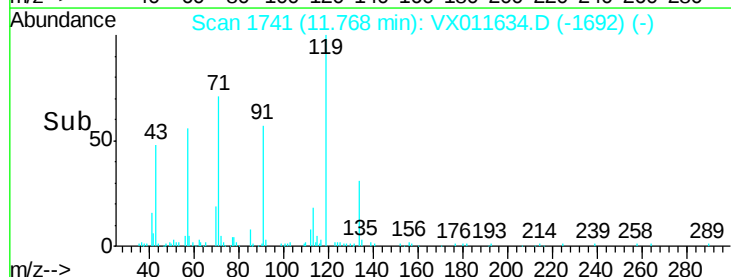
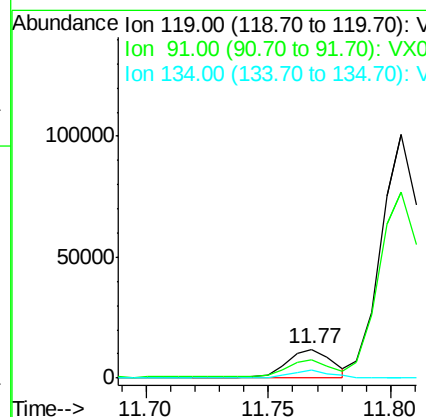
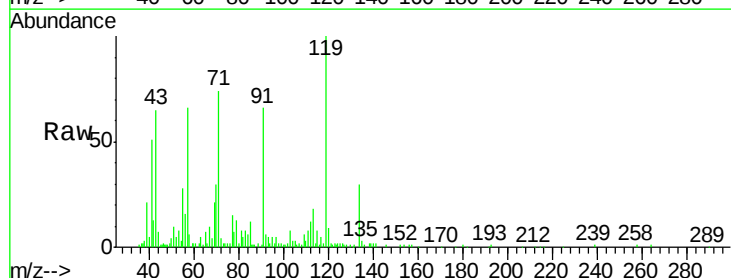
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-1DL

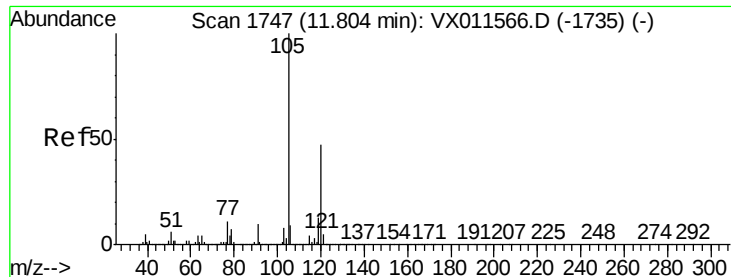
Tot Ion:105 Resp: 403140
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.3 75.8



#83
 tert-Butylbenzene
 Concen: 0.924 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011634.D
 Acq: 19 Aug 2019 16:06

Tgt Ion:119 Resp: 14869
 Ion Ratio Lower Upper
 119 100
 91 60.1 27.1 81.3
 134 27.4 11.8 35.3





#84

1,2,4-Trimethylbenzene

Concen: 58.351 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011634.D

Acq: 19 Aug 2019 16:06

Instrument :

MSVOA_X

ClientSampleId :

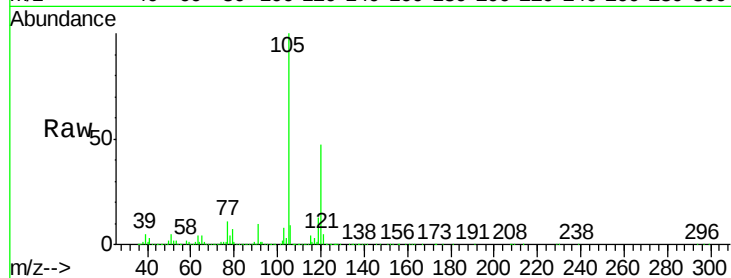
GW-1DL

Tot Ion:105 Resp: 925754

Ion Ratio Lower Upper

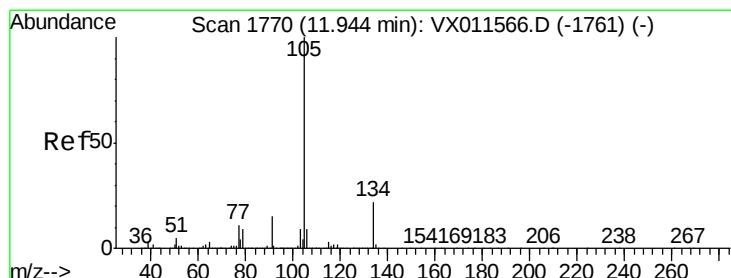
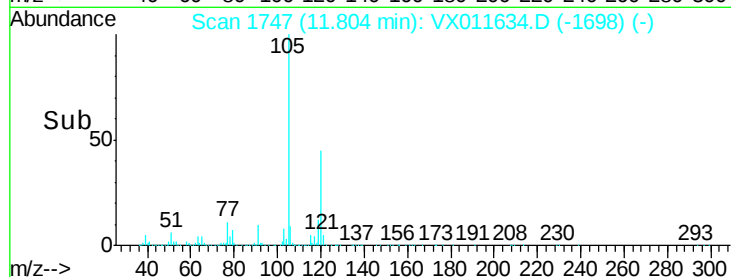
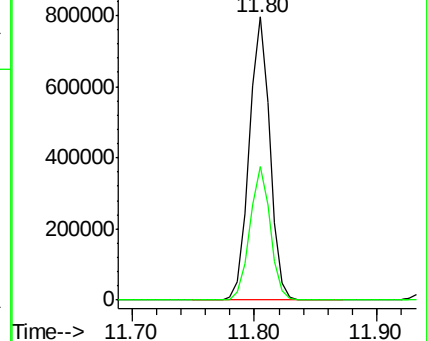
105 100

120 46.6 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 2.468 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011634.D

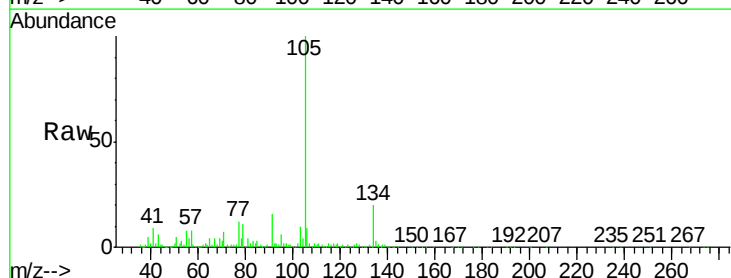
Acq: 19 Aug 2019 16:06

Tgt Ion:105 Resp: 44816

Ion Ratio Lower Upper

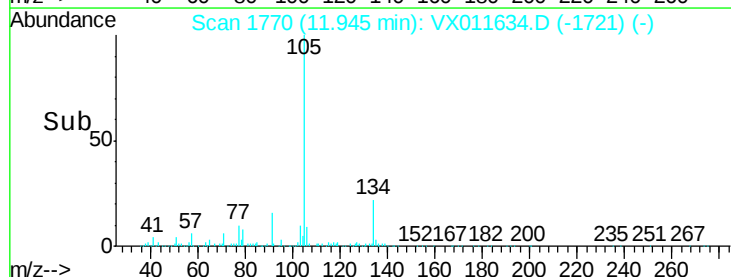
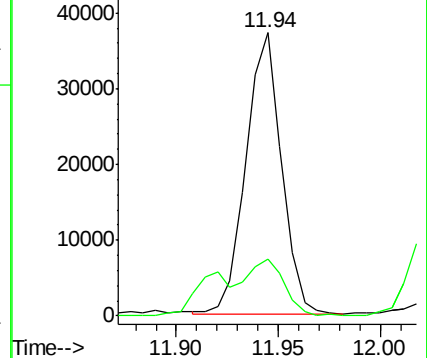
105 100

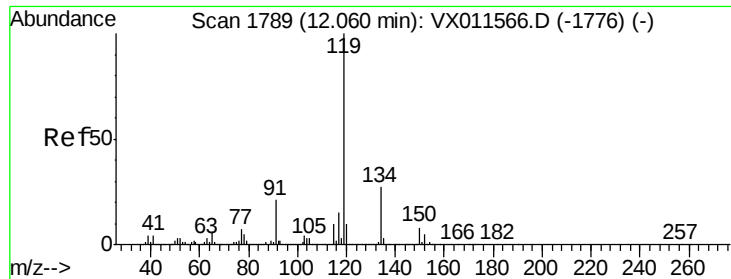
134 21.8 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

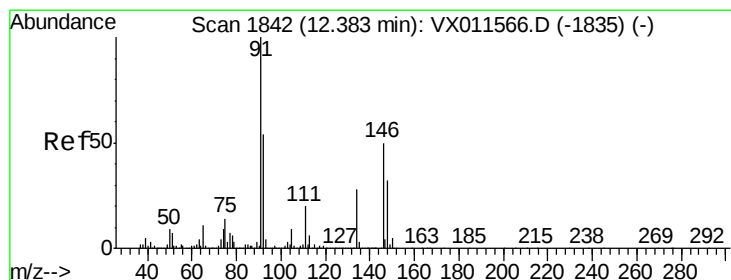
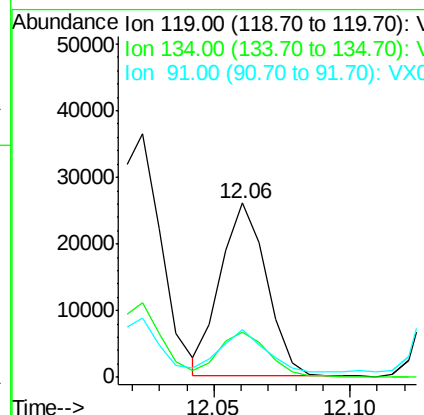
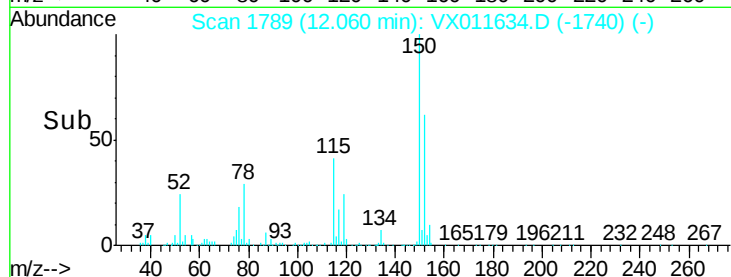
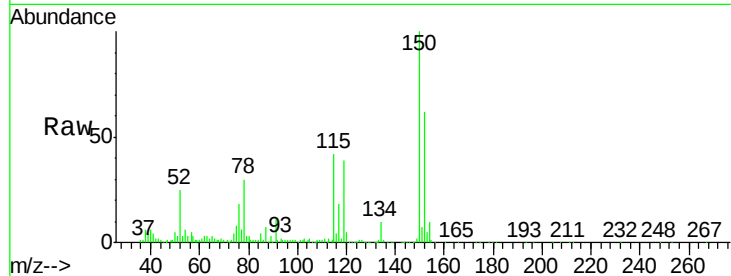




#86
p-Isopropyltoluene
Concen: 1.790 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX011634.D
Acq: 19 Aug 2019 16:06

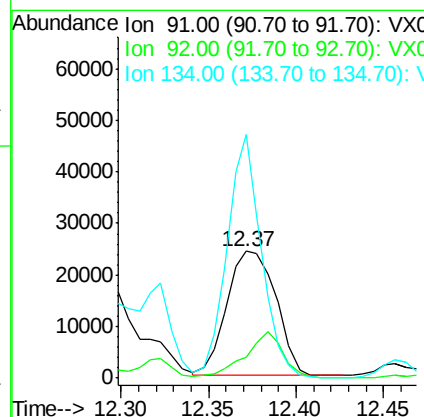
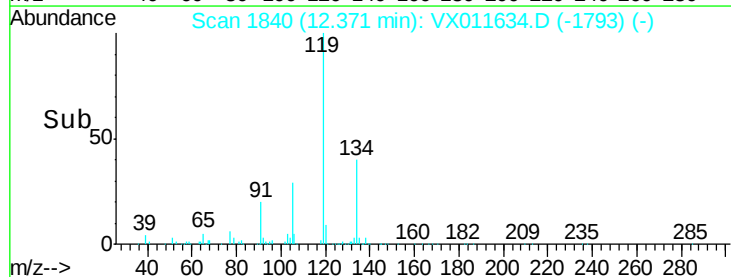
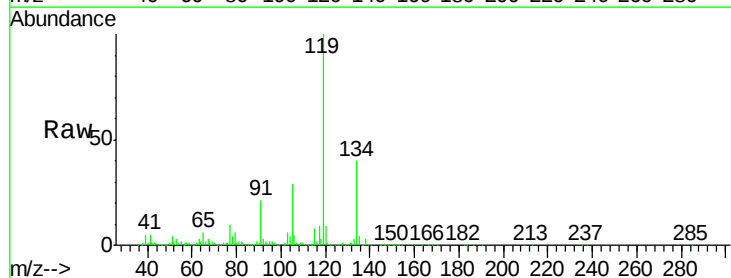
Instrument :
MSVOA_X
ClientSampleID :
GW-1DL

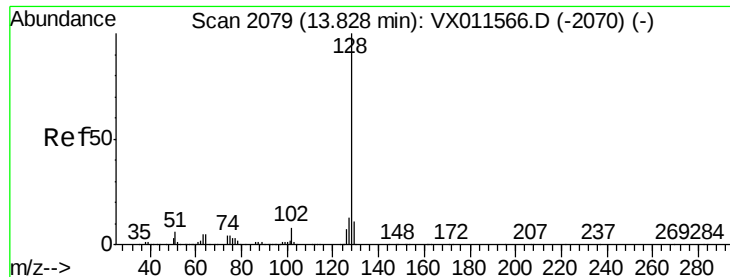
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.6	40.8
91	22.9	10.9	32.9



#89
n-Butylbenzene
Concen: 3.348 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX011634.D
Acq: 19 Aug 2019 16:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	28.2	26.8	80.3
134	135.6	14.6	44.0#

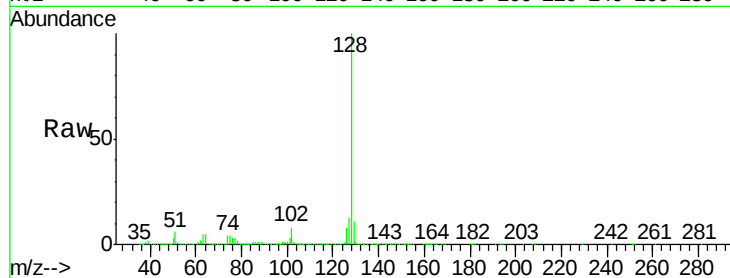




#95
Naphthalene
Concen: 36.756 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011634.D
Acq: 19 Aug 2019 16:06

Instrument :
MSVOA_X
ClientSampleId :
GW-1DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.3	8.7	13.1



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

