

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
 Data File : VX011008.D
 Acq On : 19 Jul 2019 17:25
 Operator : JC/SP
 Sample : K3884-11DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0631DL

Quant Time: Jul 22 13:32:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	237113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	377372	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	352378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176454	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	133002	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
35) Dibromofluoromethane	5.50	113	117180	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	8.71	98	457380	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.13	95	170631	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	

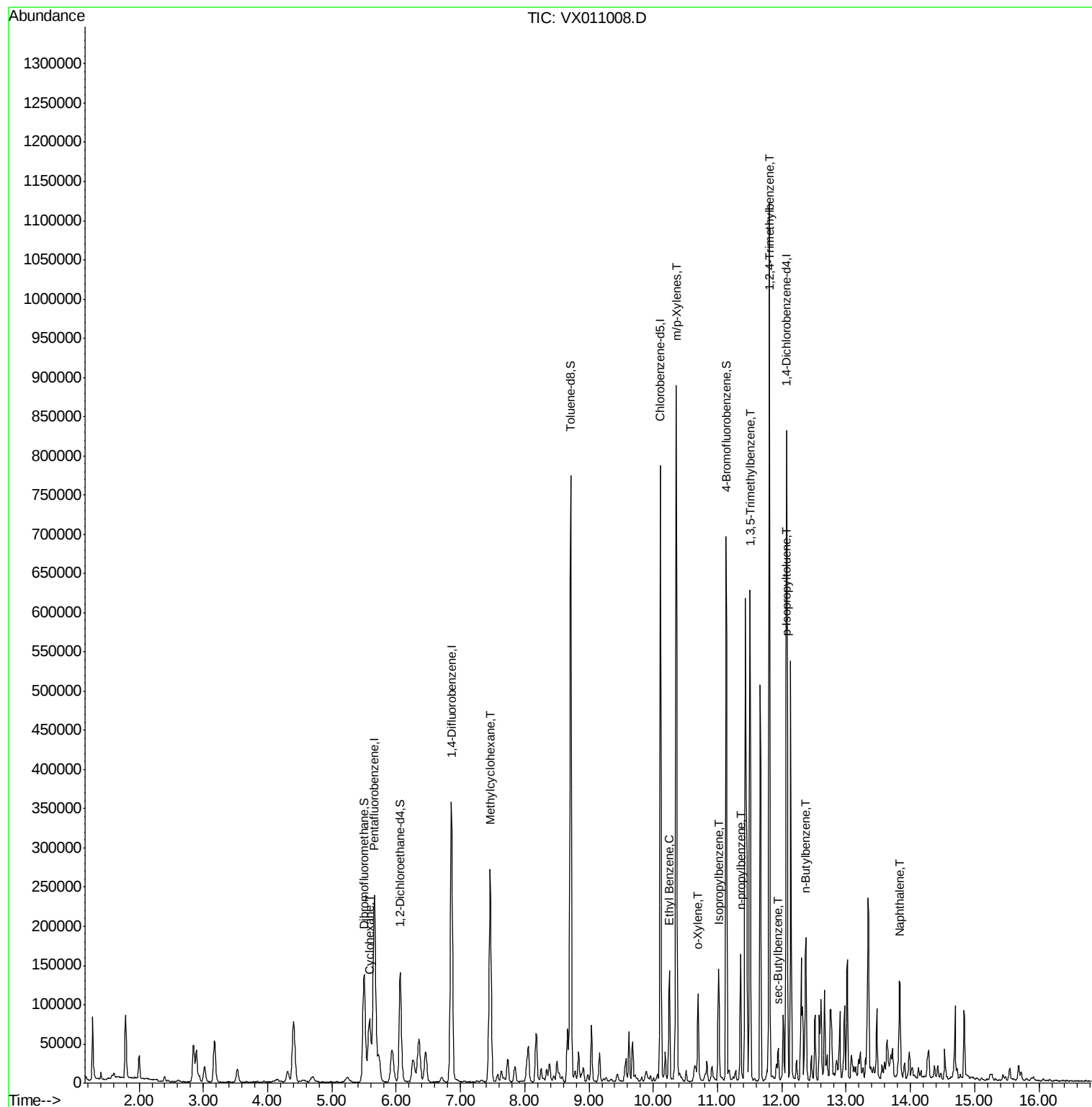
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	56159	16.397	ug/l	97
39) Methylcyclohexane	7.46	83	125190	31.143	ug/l	99
67) Ethyl Benzene	10.25	91	78519	6.374	ug/l	98
68) m/p-Xylenes	10.36	106	216327	45.778	ug/l	100
69) o-Xylene	10.69	106	23994	5.203	ug/l	98
73) Isopropylbenzene	11.02	105	74804	6.274	ug/l	99
78) n-propylbenzene	11.36	91	98544	7.480	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	270010	27.102	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	470058	46.811	ug/l	99
85) sec-Butylbenzene	11.94	105	20175	1.759	ug/l	94
86) p-Isopropyltoluene	12.06	119	20014	1.888	ug/l	97
89) n-Butylbenzene	12.37	91	21993	2.425	ug/l #	15
95) Naphthalene	13.83	128	80579	7.118	ug/l	96

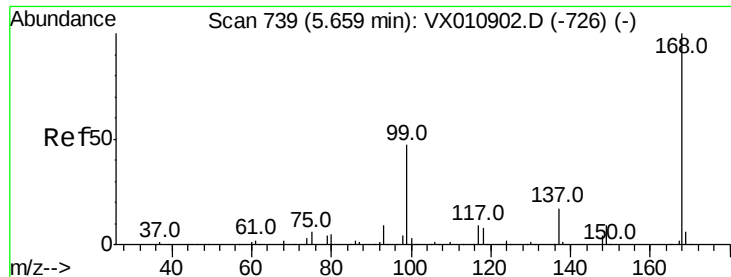
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011008.D

Acq: 19 Jul 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

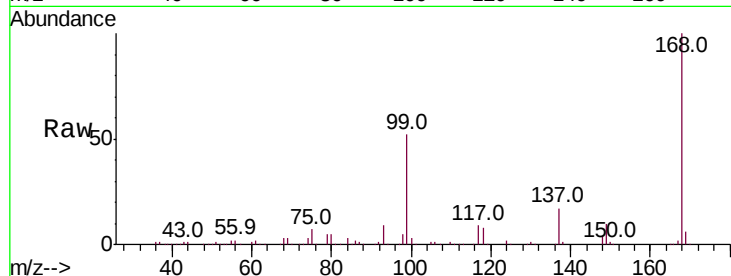
FL-0631DL

Tot Ion:168 Resp: 237113

Ion Ratio Lower Upper

168 100

99 51.7 37.6 56.4

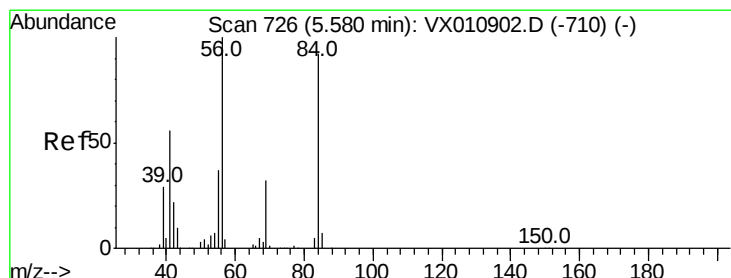
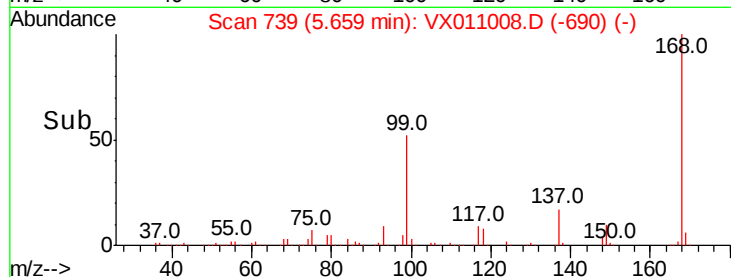


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#31

Cyclohexane

Concen: 16.397 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011008.D

Acq: 19 Jul 2019 17:25

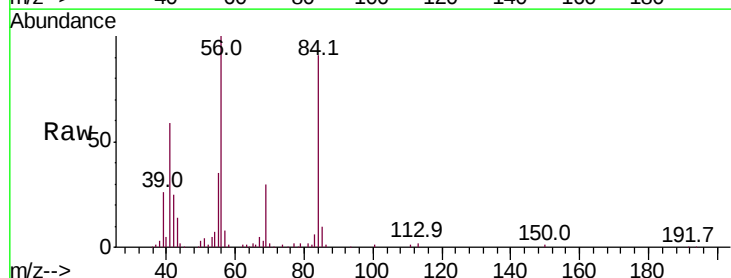
Tgt Ion: 56 Resp: 56159

Ion Ratio Lower Upper

56 100

69 29.1 25.8 38.8

84 90.6 73.8 110.6



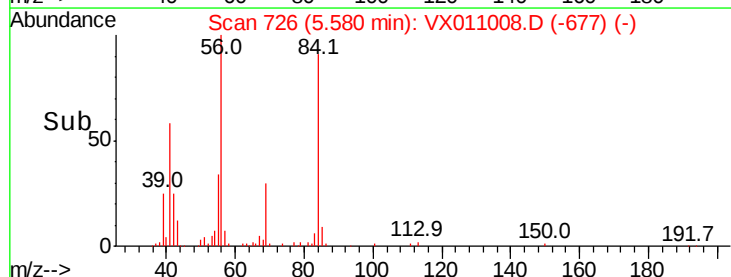
Abundance Ion 56.00 (55.70 to 56.70): VX0

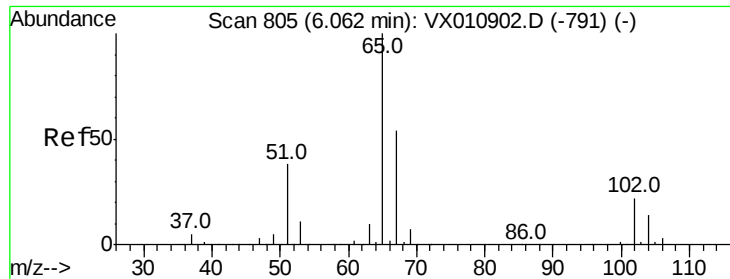
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.58

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.726 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011008.D

Acq: 19 Jul 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

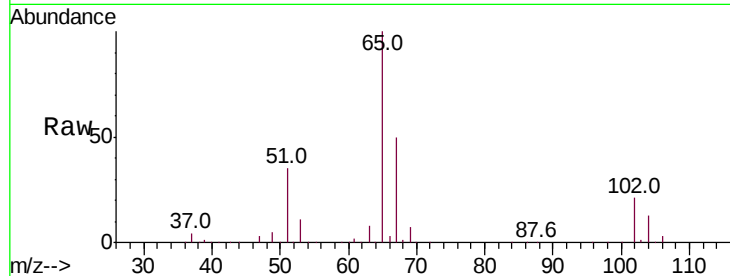
FL-0631DL

Tot Ion: 65 Resp: 133002

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

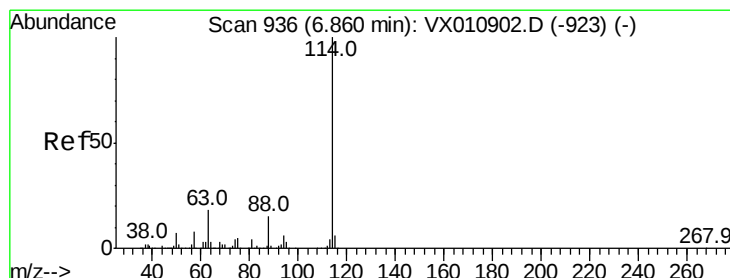
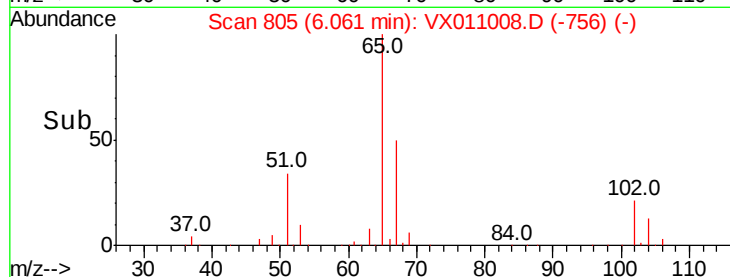
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011008.D

Acq: 19 Jul 2019 17:25

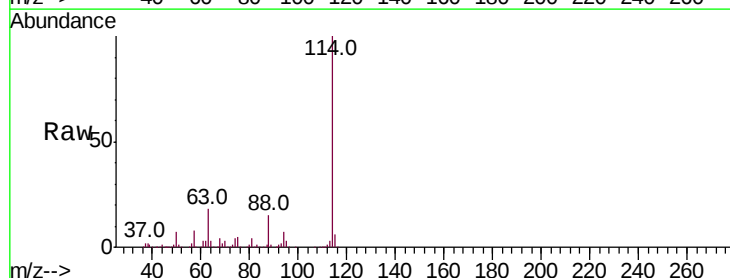
Tgt Ion:114 Resp: 377372

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 15.3 0.0 29.8



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

200000

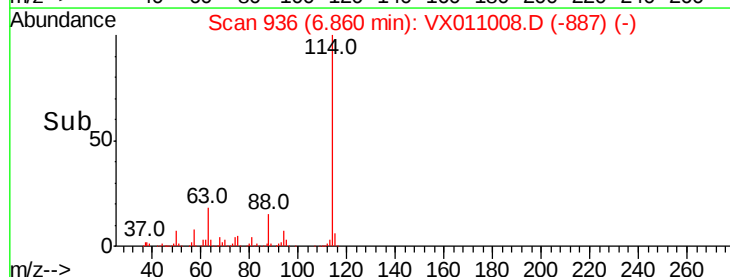
150000

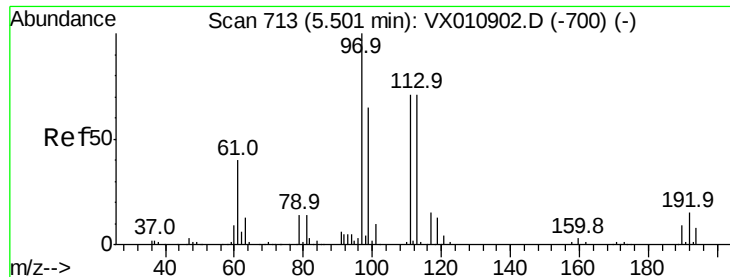
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.922 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011008.D

Acq: 19 Jul 2019 17:25

Instrument :

MSVOA_X

ClientSampled :

FL-0631DL

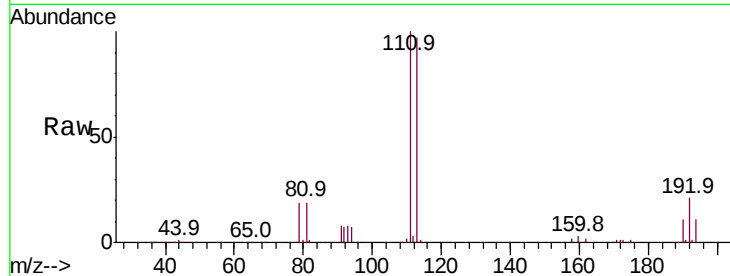
Tot Ion:113 Resp: 117180

Ion Ratio Lower Upper

113 100

111 101.3 82.3 123.5

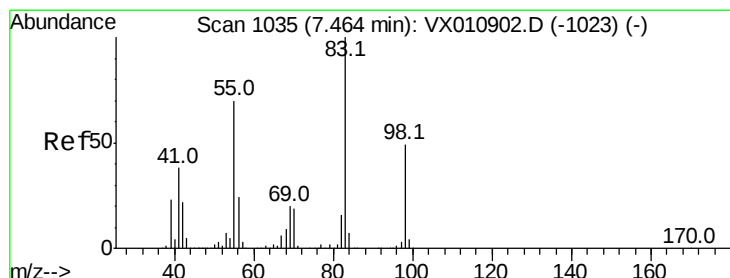
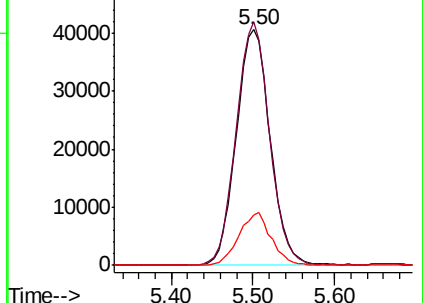
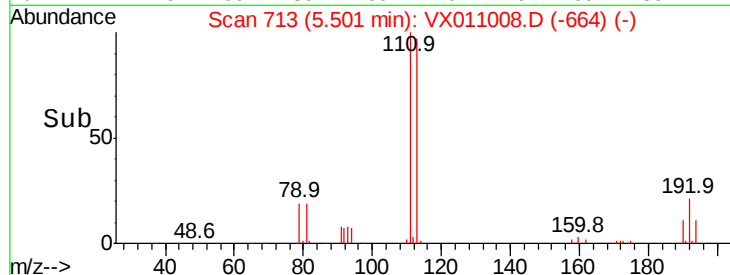
192 21.2 17.4 26.2



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

Methylcyclohexane

Concen: 31.143 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX011008.D

Acq: 19 Jul 2019 17:25

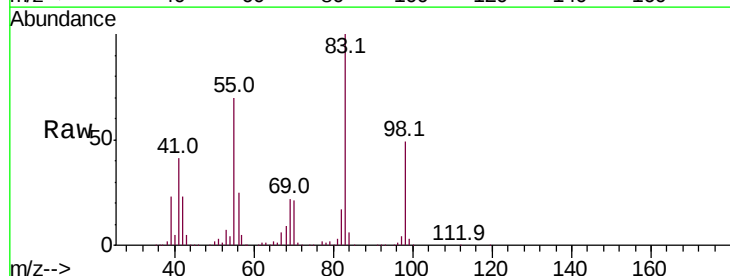
Tgt Ion: 83 Resp: 125190

Ion Ratio Lower Upper

83 100

55 69.7 56.2 84.4

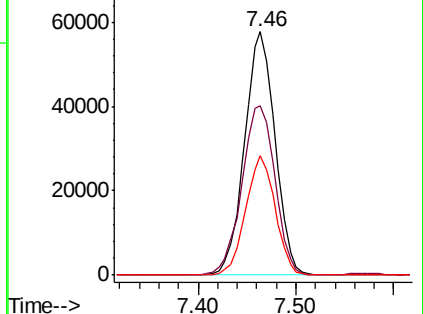
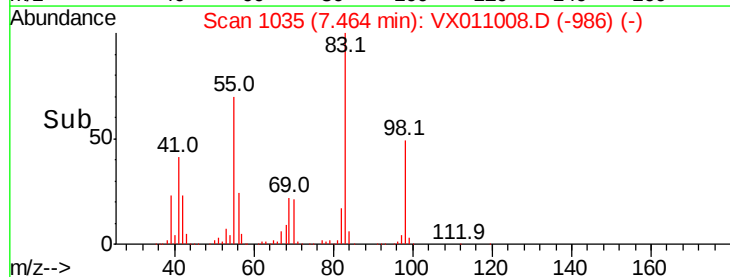
98 49.3 39.0 58.4

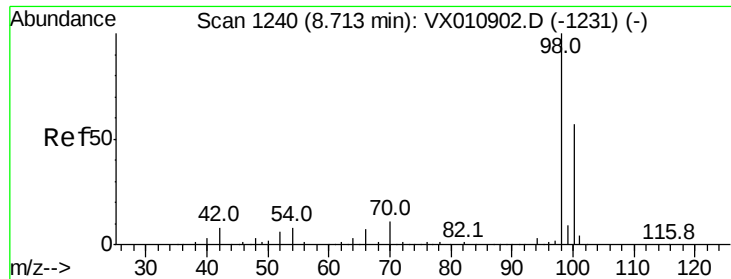


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

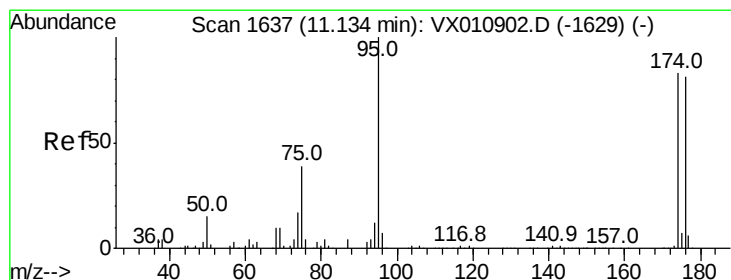
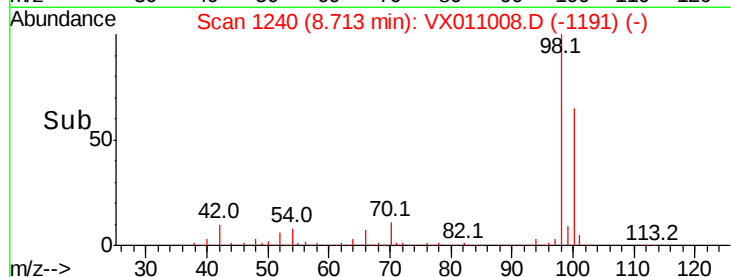
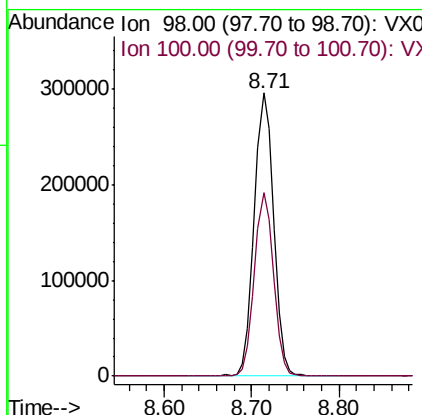
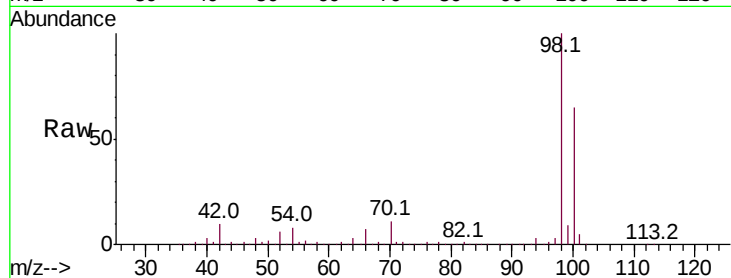




#50
Toluene-d8
Concen: 50.912 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011008.D
Acq: 19 Jul 2019 17:25

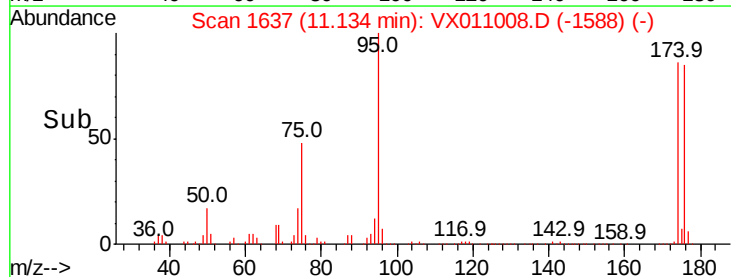
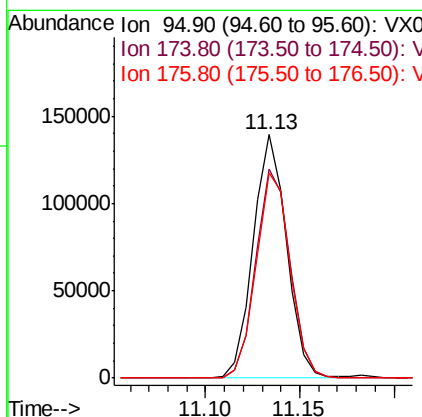
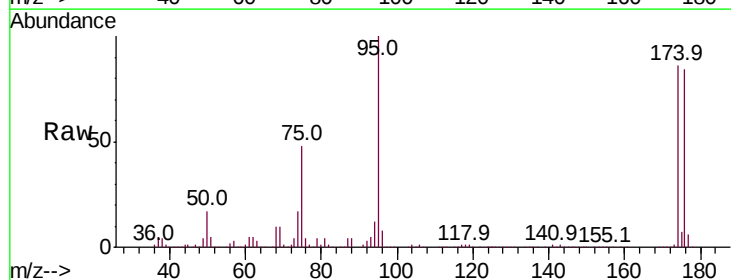
Instrument :
MSVOA_X
ClientSampleId :
FL-0631DL

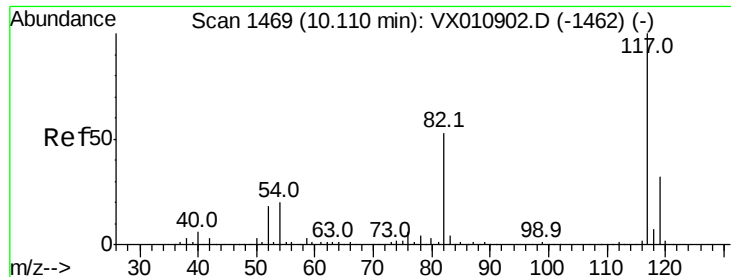
Tot Ion: 98 Resp: 457380
Ion Ratio Lower Upper
98 100
100 63.7 50.6 75.8



#62
4-Bromofluorobenzene
Concen: 51.673 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011008.D
Acq: 19 Jul 2019 17:25

Tgt Ion: 95 Resp: 170631
Ion Ratio Lower Upper
95 100
174 88.6 0.0 180.6
176 86.6 0.0 173.8

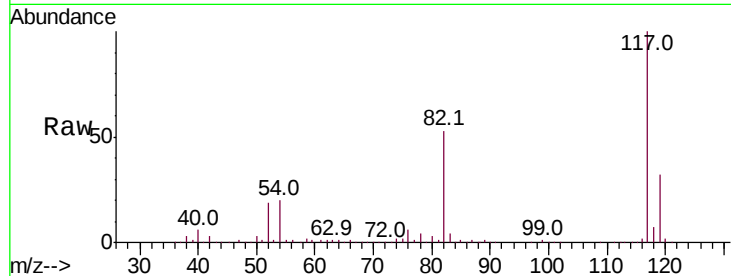




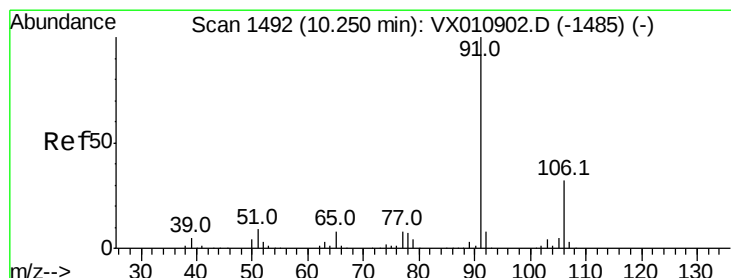
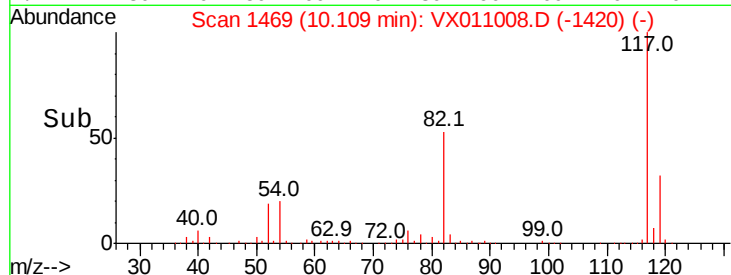
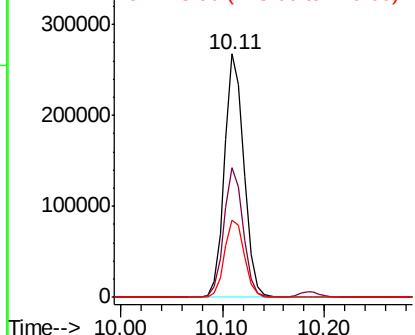
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011008.D
Acq: 19 Jul 2019 17:25

Instrument :
MSVOA_X
ClientSampleId :
FL-0631DL

Tot Ion:117 Resp: 352378
Ion Ratio Lower Upper
117 100
82 53.2 42.6 63.8
119 32.0 25.9 38.9

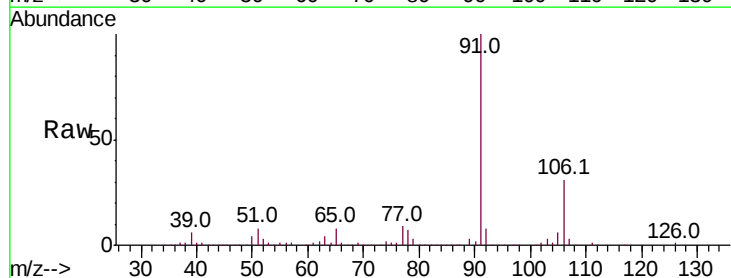


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

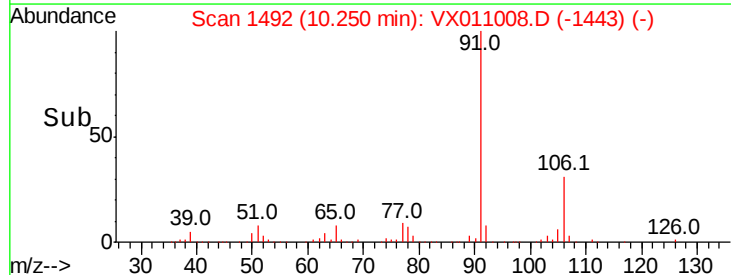
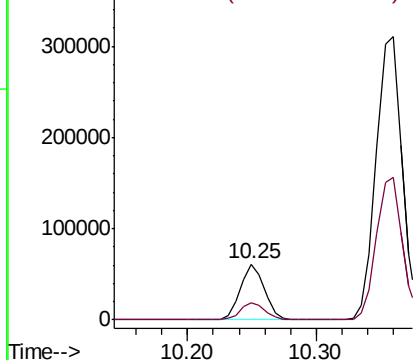


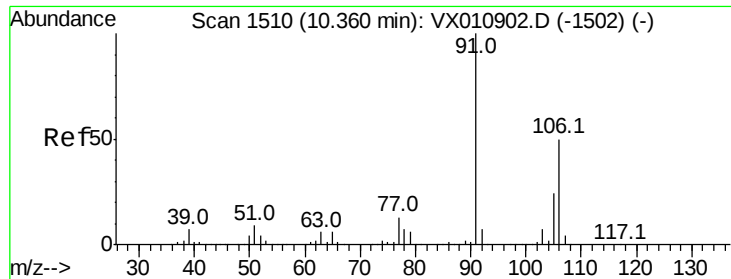
#67
Ethyl Benzene
Concen: 6.374 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011008.D
Acq: 19 Jul 2019 17:25

Tgt Ion: 91 Resp: 78519
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.2



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

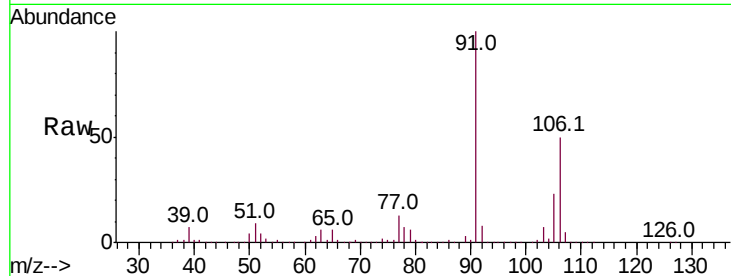




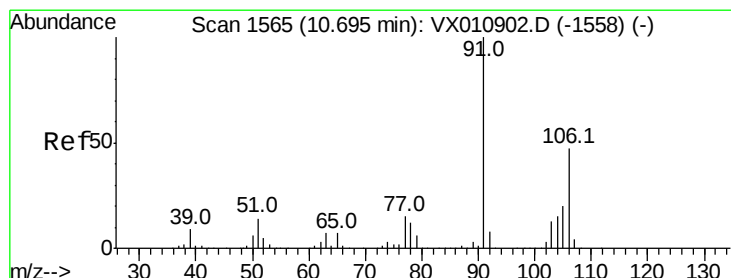
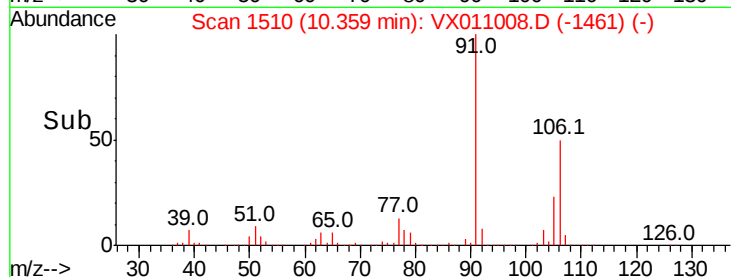
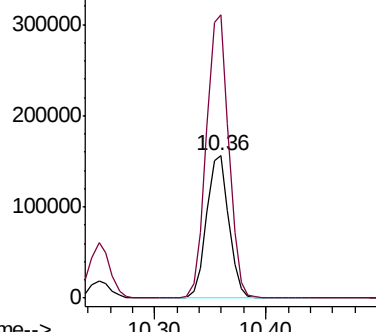
#68
m/p-Xvlenes
Concen: 45.778 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011008.D
Acq: 19 Jul 2019 17:25

Instrument :
MSVOA_X
ClientSampleId :
FL-0631DL

Tot Ion:106 Resp: 216327
Ion Ratio Lower Upper
106 100
91 199.5 160.1 240.1

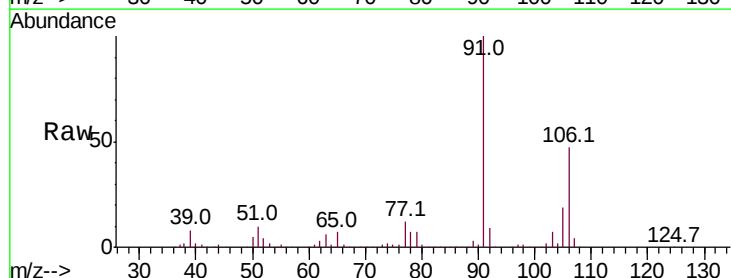


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

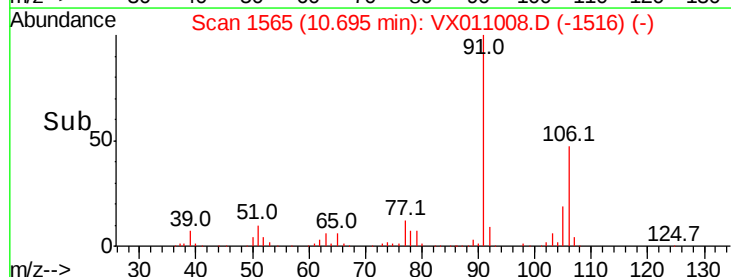
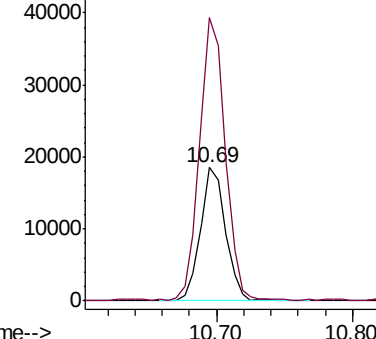


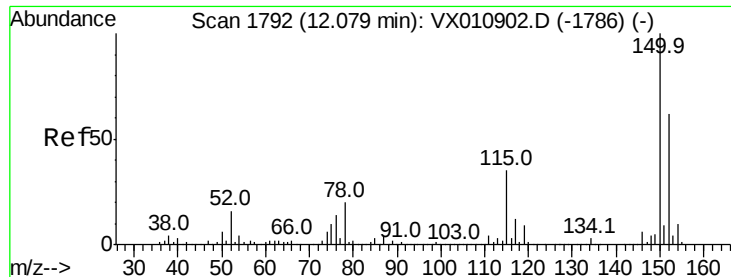
#69
o-Xylene
Concen: 5.203 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011008.D
Acq: 19 Jul 2019 17:25

Tgt Ion:106 Resp: 23994
Ion Ratio Lower Upper
106 100
91 212.9 105.1 315.3



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: VX011008.D

Acq: 19 Jul 2019 17:25

Instrument :

MSVOA_X

ClientSampled :

FL-0631DL

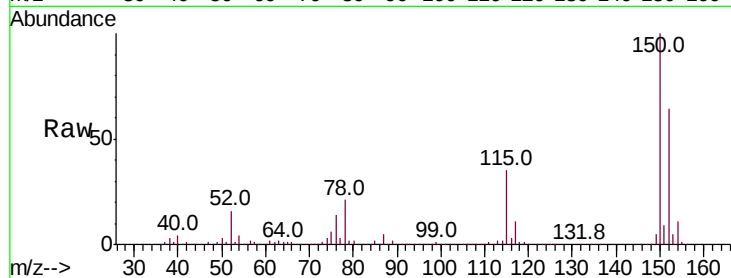
Tot Ion:152 Resp: 176454

Ion Ratio Lower Upper

152 100

115 56.8 39.7 119.1

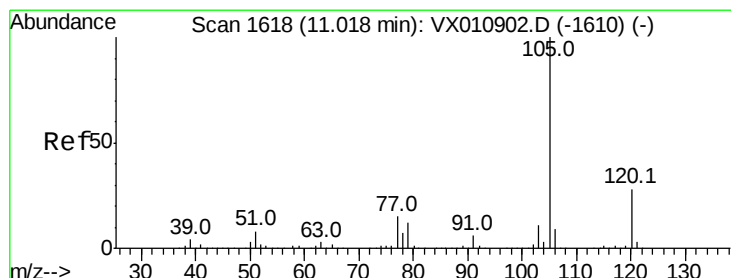
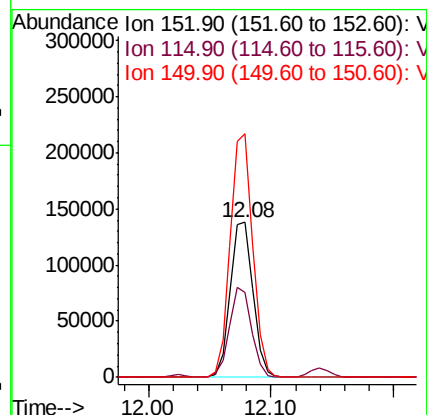
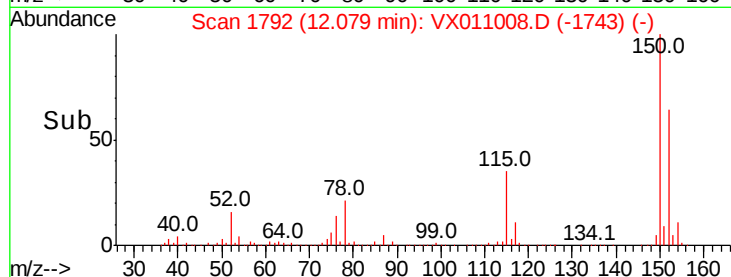
150 155.1 0.0 345.6



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: 6.274 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011008.D

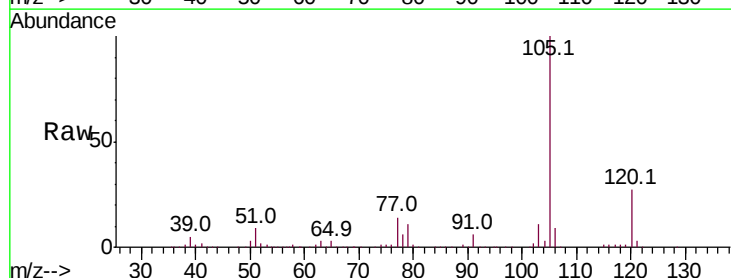
Acq: 19 Jul 2019 17:25

Tgt Ion:105 Resp: 74804

Ion Ratio Lower Upper

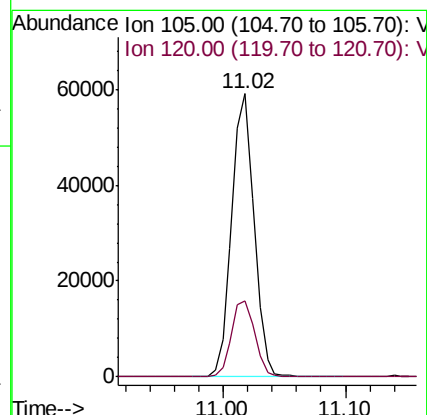
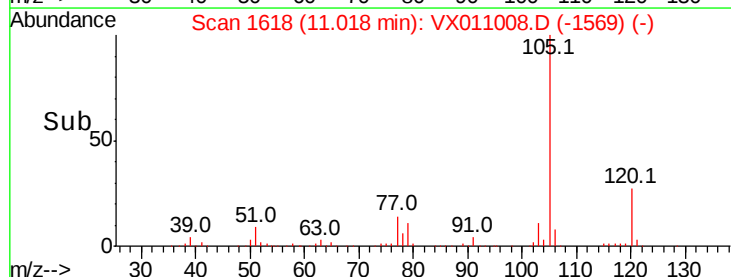
105 100

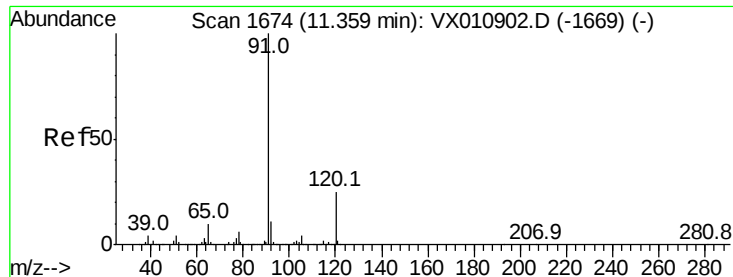
120 27.8 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 7.480 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011008.D

Acq: 19 Jul 2019 17:25

Instrument :

MSVOA_X

ClientSampled :

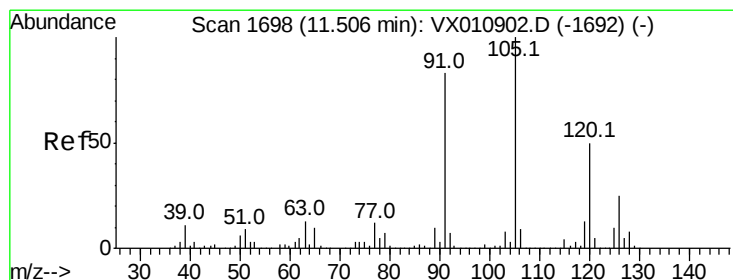
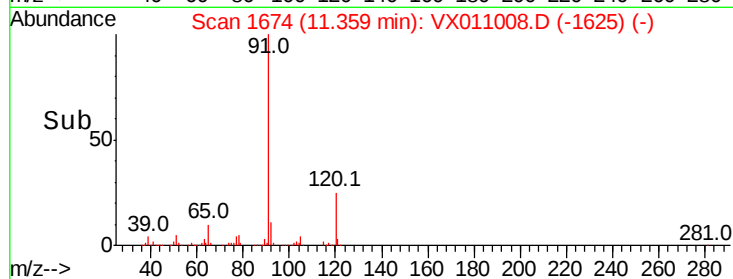
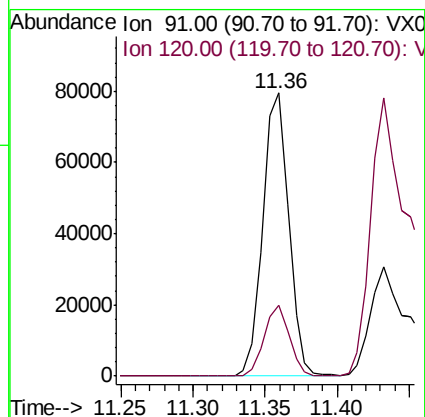
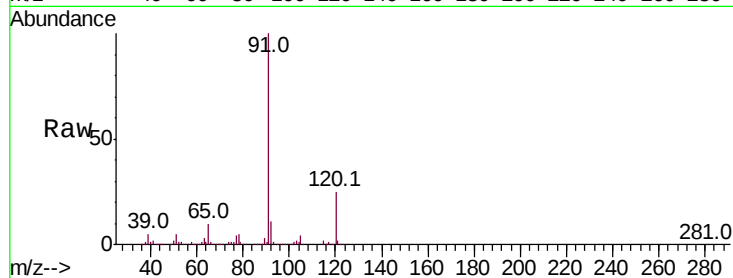
FL-0631DL

Tot Ion: 91 Resp: 98544

Ion Ratio Lower Upper

91 100

120 24.5 12.3 36.8



#80

1,3,5-Trimethylbenzene

Concen: 27.102 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011008.D

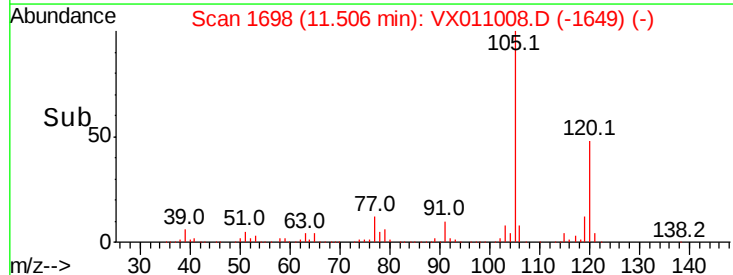
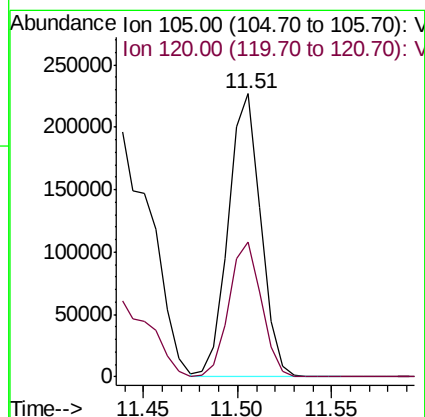
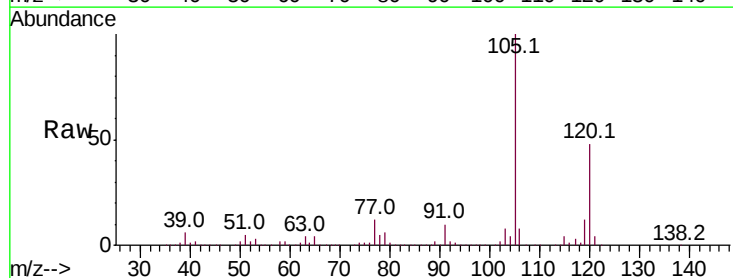
Acq: 19 Jul 2019 17:25

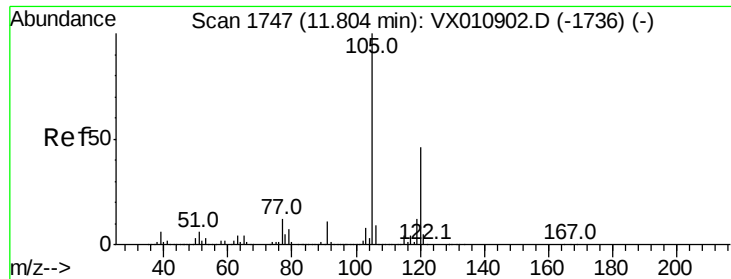
Tgt Ion: 105 Resp: 270010

Ion Ratio Lower Upper

105 100

120 48.2 24.6 73.8





#84

1,2,4-Trimethylbenzene

Concen: 46.811 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX011008.D

Acq: 19 Jul 2019 17:25

Instrument :

MSVOA_X

ClientSampleId :

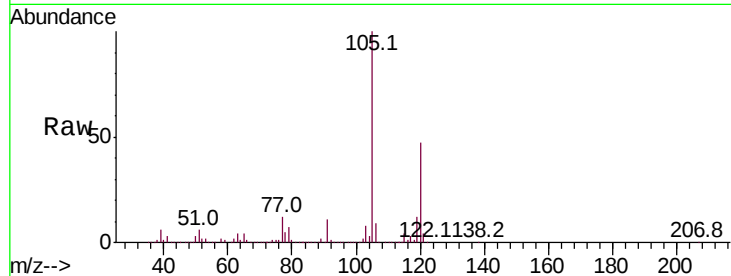
FL-0631DL

Tot Ion:105 Resp: 470058

Ion Ratio Lower Upper

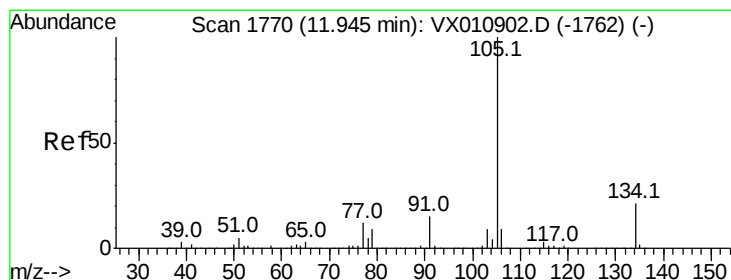
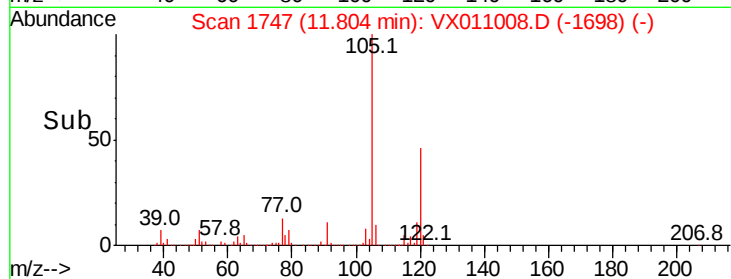
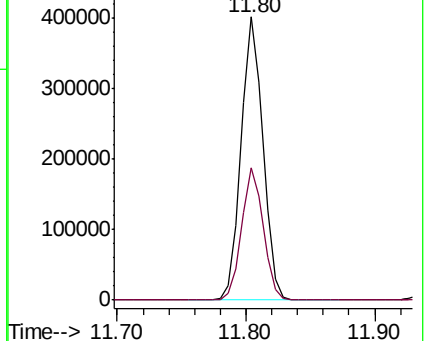
105 100

120 46.4 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.759 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011008.D

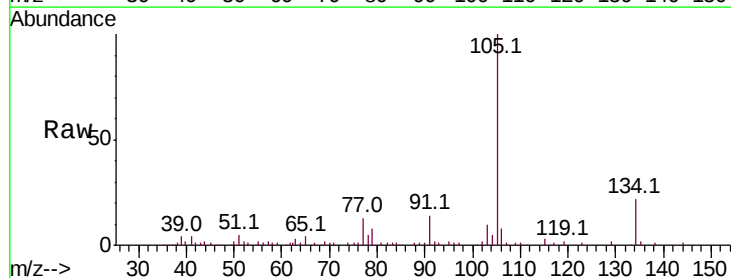
Acq: 19 Jul 2019 17:25

Tgt Ion:105 Resp: 20175

Ion Ratio Lower Upper

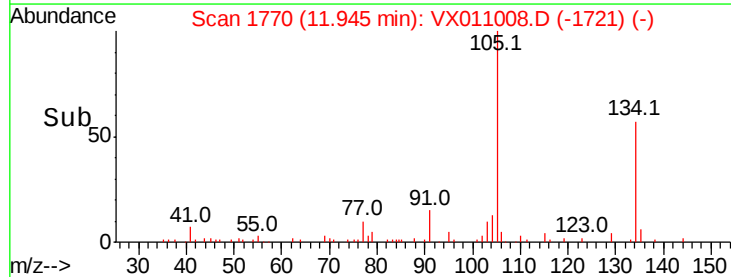
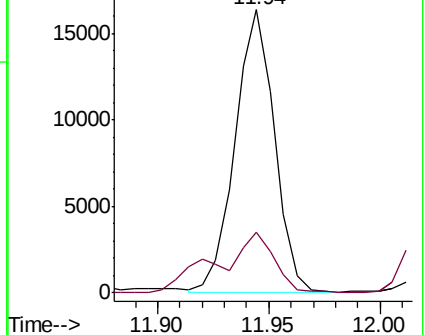
105 100

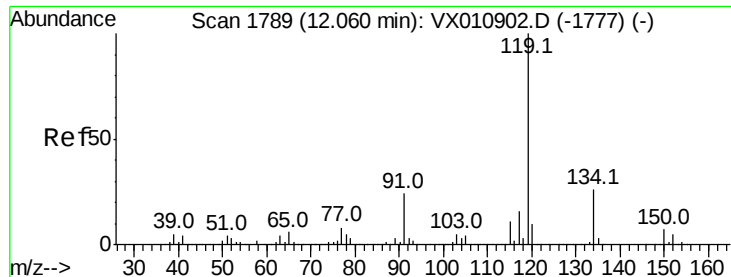
134 18.0 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

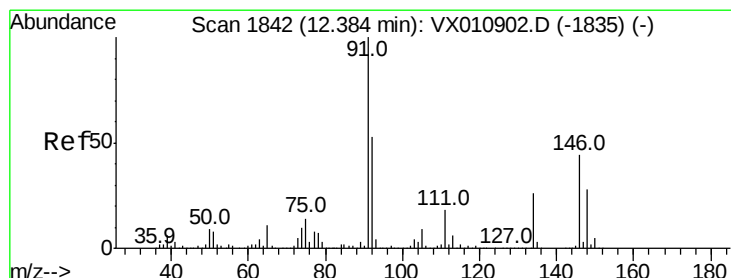
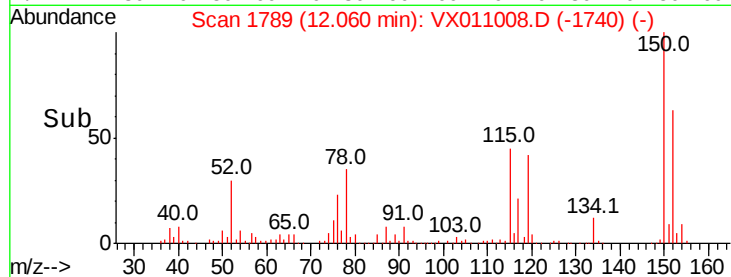
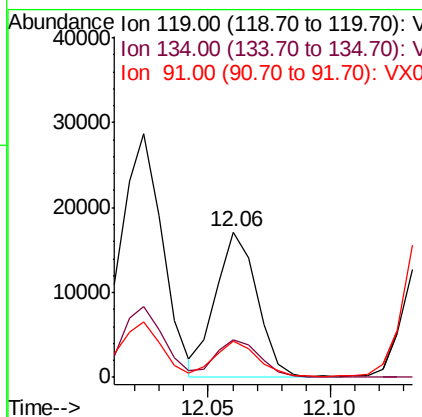
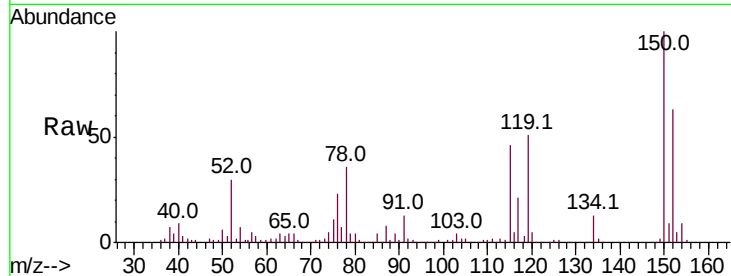




#86
p-Isopropyltoluene
Concen: 1.888 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX011008.D
Acq: 19 Jul 2019 17:25

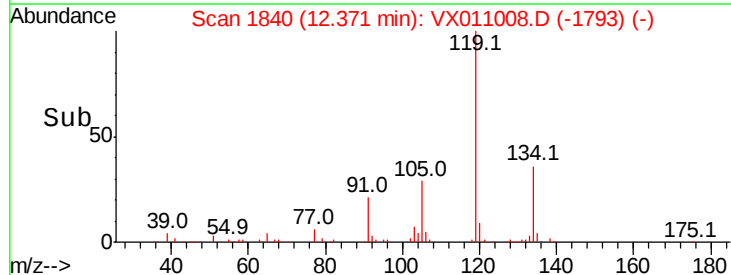
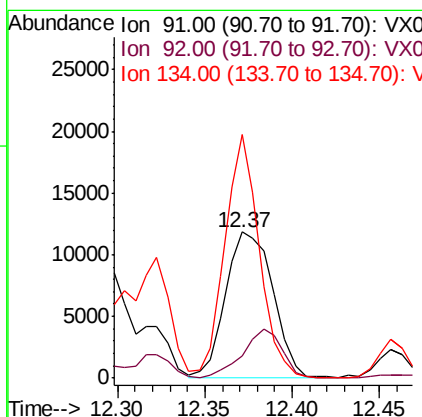
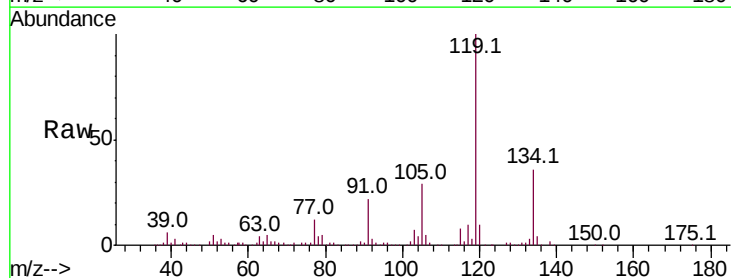
Instrument :
MSVOA_X
ClientSampleId :
FL-0631DL

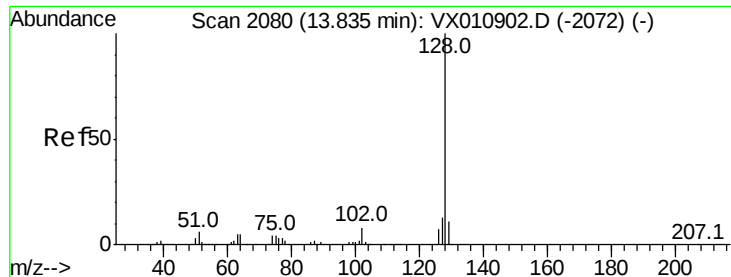
Tot Ion:119 Resp: 20014
Ion Ratio Lower Upper
119 100
134 28.1 13.4 40.1
91 25.4 11.8 35.4



#89
n-Butylbenzene
Concen: 2.425 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX011008.D
Acq: 19 Jul 2019 17:25

Tgt Ion: 91 Resp: 21993
Ion Ratio Lower Upper
91 100
92 28.6 26.2 78.5
134 123.0 13.8 41.3#





#95
 Naphthalene
 Concen: 7.118 ug/l
 RT: 13.83 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX011008.D
 Acq: 19 Jul 2019 17:25

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0631DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.4	15.6
129	12.7	8.9	13.3

