

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004618.D
 Acq On : 16 Sep 2018 07:05
 Operator : JC/MD
 Sample : J4898-04DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ROLLOFF02-COMP-FILLDL

Quant Time: Sep 17 17:58:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	243794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	235429	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	160272	50.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.98%	
35) Dibromofluoromethane	5.51	113	148234	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
50) Toluene-d8	8.72	98	459850	44.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.62%	
62) 4-Bromofluorobenzene	11.14	95	176036	48.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.12%	

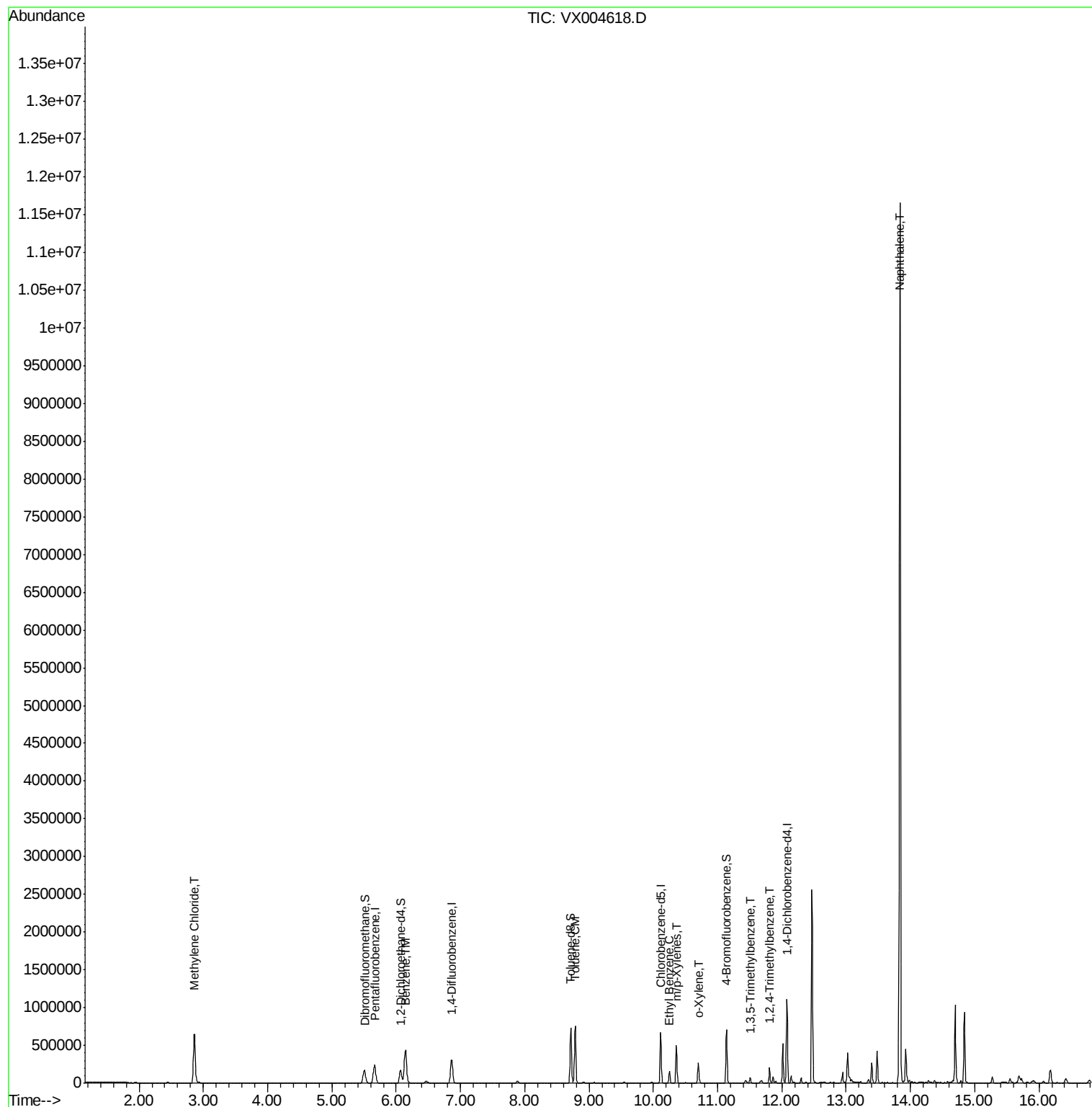
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.86	84	319717	101.58	ug/l	95
40) Benzene	6.15	78	534264	44.36	ug/l	94
52) Toluene	8.79	92	281138	39.62	ug/l	97
67) Ethyl Benzene	10.25	91	94064	7.35	ug/l	99
68) m/p-Xylenes	10.36	106	116354	23.62	ug/l	98
69) o-Xylene	10.70	106	55977	11.82	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	29855	2.29	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	87323	6.56	ug/l	99
95) Naphthalene	13.84	128	7320693	455.47	ug/l	97

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

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QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004618.D

Acq: 16 Sep 2018 07:05

Instrument :

MSVOA_X

ClientSampleId :

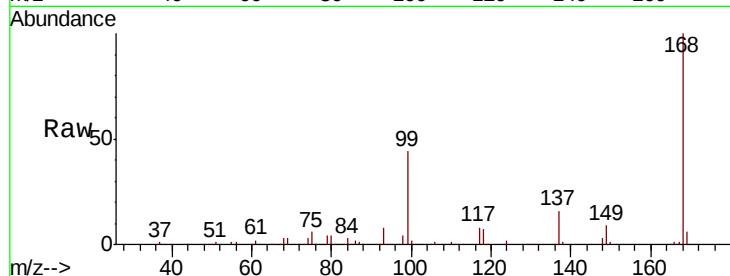
ROLLOFF02-COMP-FILLDL

Tot Ion:168 Resp: 243794

Ion Ratio Lower Upper

168 100

99 44.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

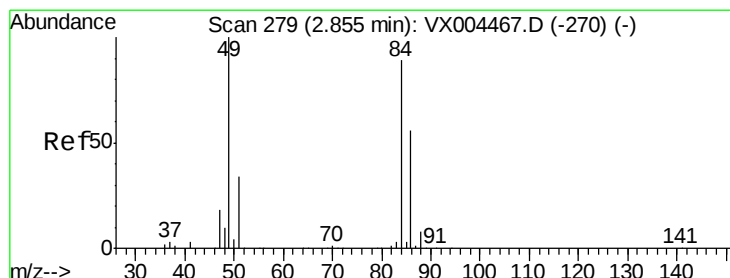
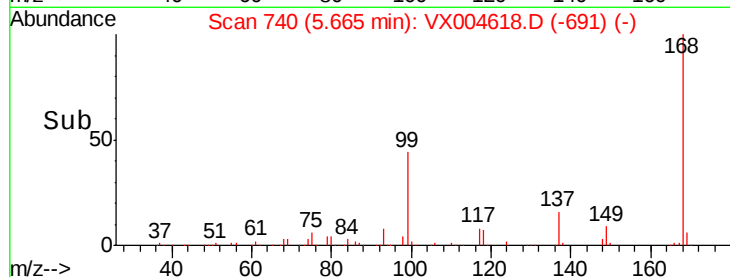
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 101.58 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004618.D

Acq: 16 Sep 2018 07:05

Tgt Ion: 84 Resp: 319717

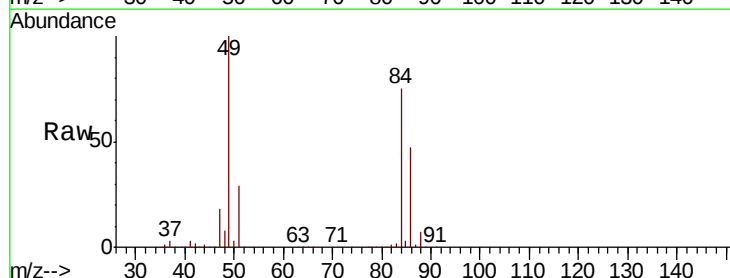
Ion Ratio Lower Upper

84 100

49 133.8 101.2 151.8

51 38.7 29.5 44.3

86 62.2 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

300000

250000

200000

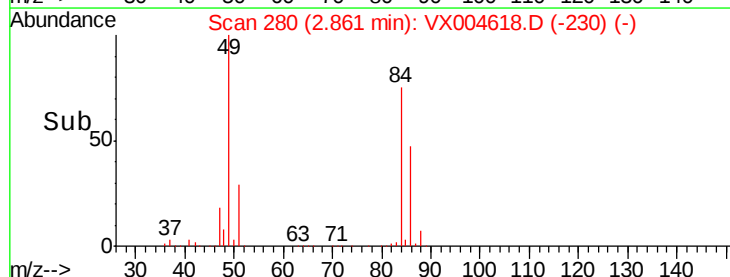
150000

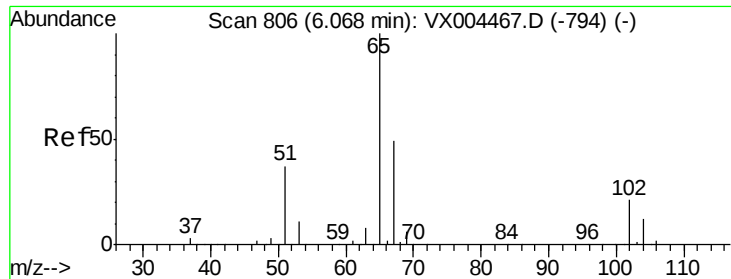
100000

50000

0

Time--> 2.80 2.90 3.00





#33

1,2-Dichloroethane-d4

Concen: 50.99 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004618.D

Acq: 16 Sep 2018 07:05

Instrument :

MSVOA_X

ClientSampleId :

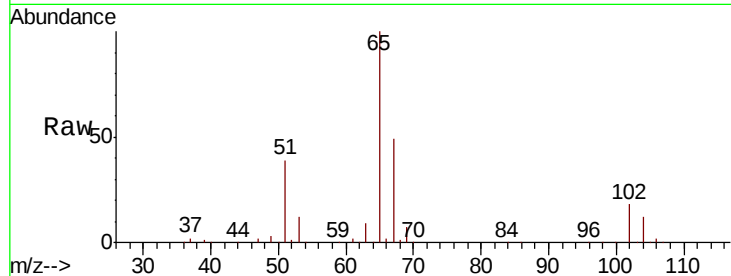
ROLLOFF02-COMP-FILLDL

Tot Ion: 65 Resp: 160272

Ion Ratio Lower Upper

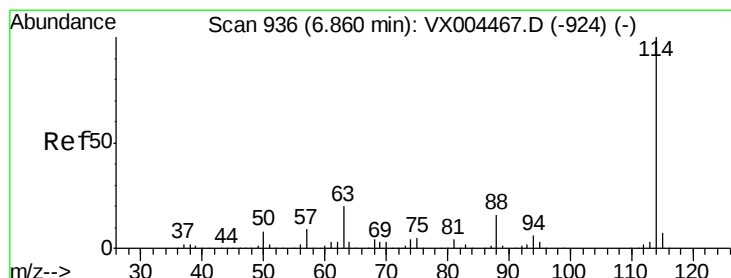
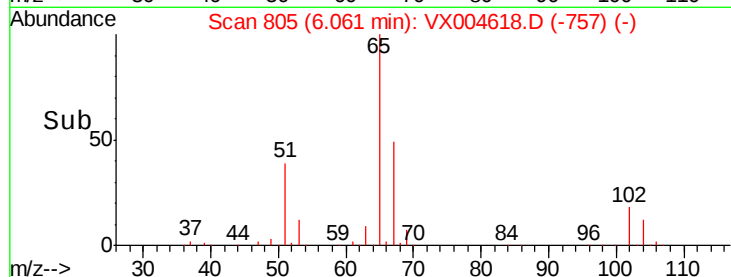
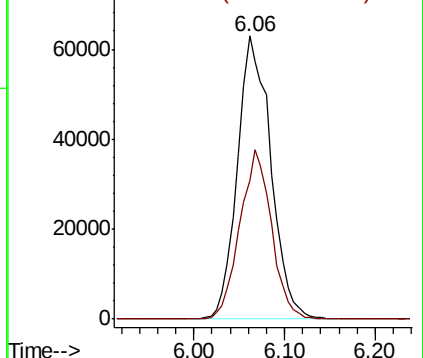
65 100

67 57.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004618.D

Acq: 16 Sep 2018 07:05

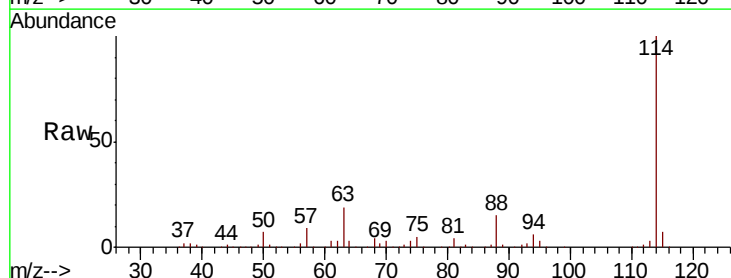
Tgt Ion: 114 Resp: 334377

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.0

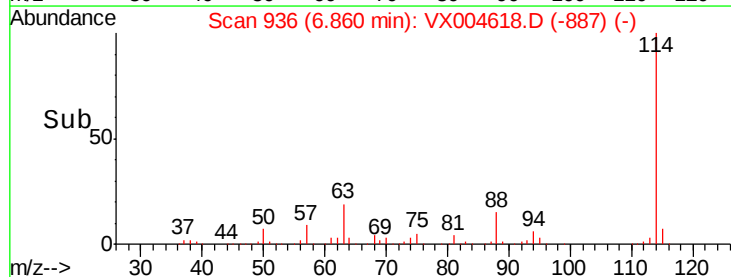
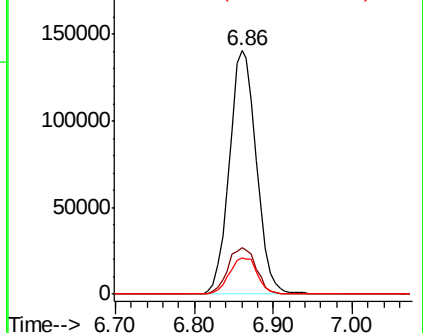
88 14.8 0.0 30.4

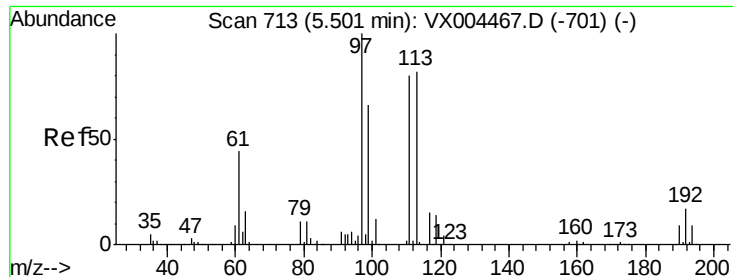


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

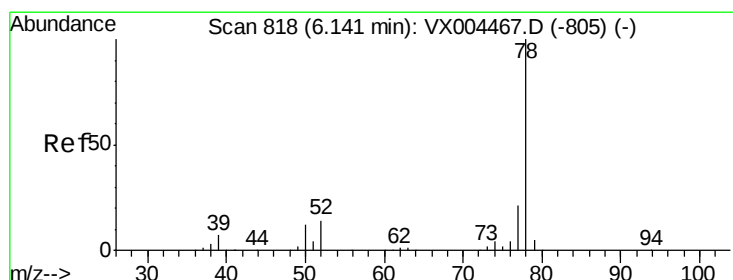
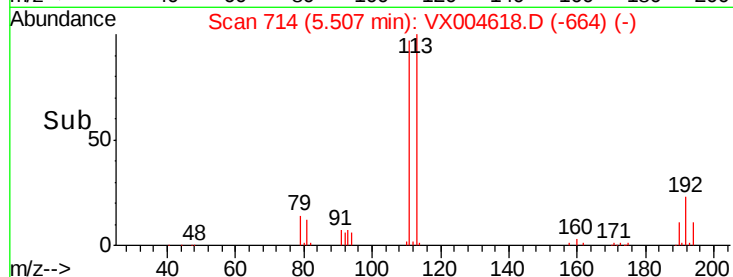
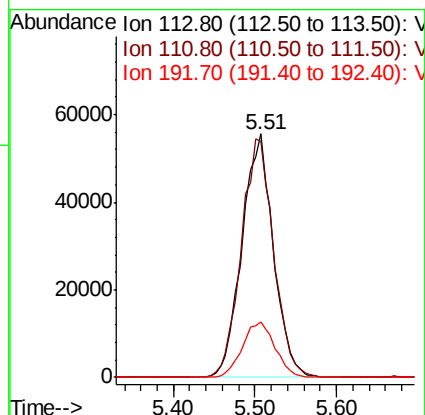
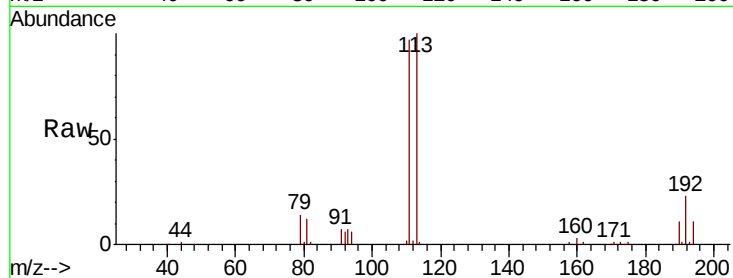




#35
 Dibromofluoromethane
 Concen: 48.44 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004618.D
 Acq: 16 Sep 2018 07:05

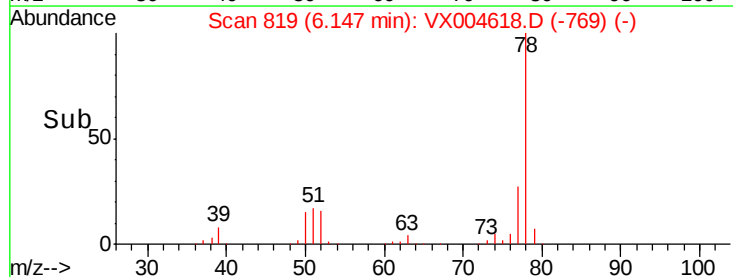
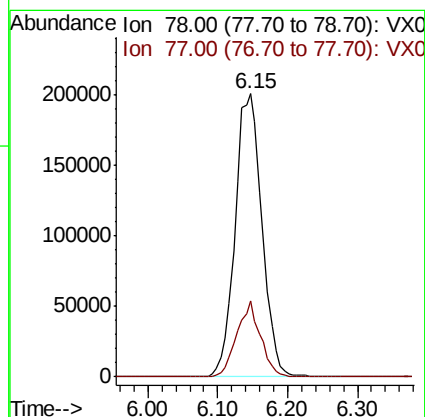
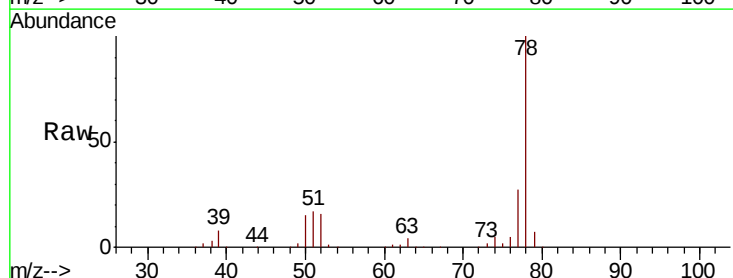
Instrument :
 MSVOA_X
 ClientSampleId :
 ROLLOFF02-COMP-FILLDL

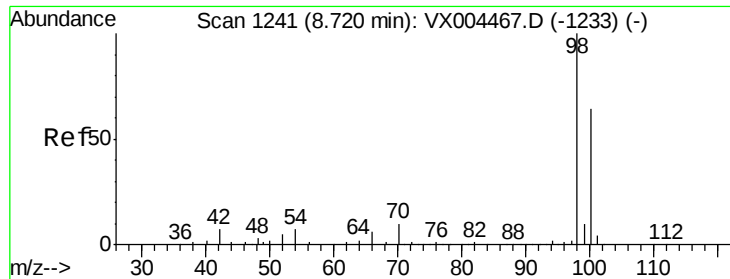
Tot Ion:113 Resp: 148234
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.4 123.6
 192 23.8 19.4 29.2



#40
 Benzene
 Concen: 44.36 ug/l
 RT: 6.15 min Scan# 819
 Delta R.T. 0.01 min
 Lab File: VX004618.D
 Acq: 16 Sep 2018 07:05

Tgt Ion: 78 Resp: 534264
 Ion Ratio Lower Upper
 78 100
 77 26.7 19.0 28.4

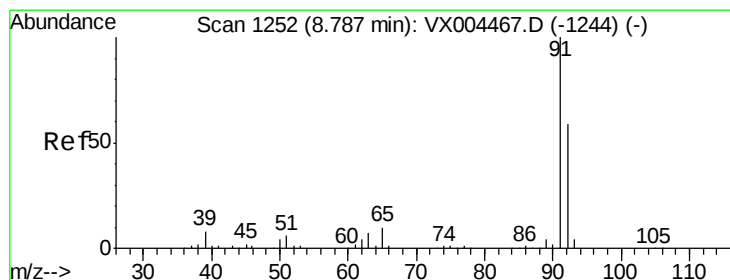
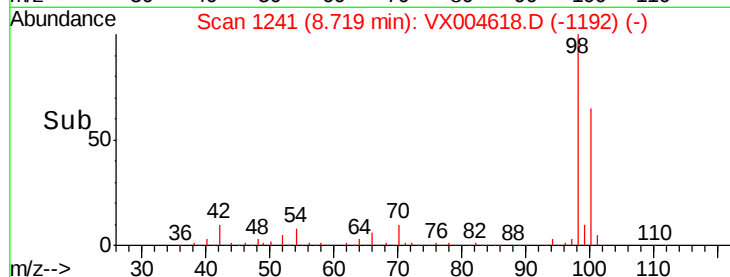
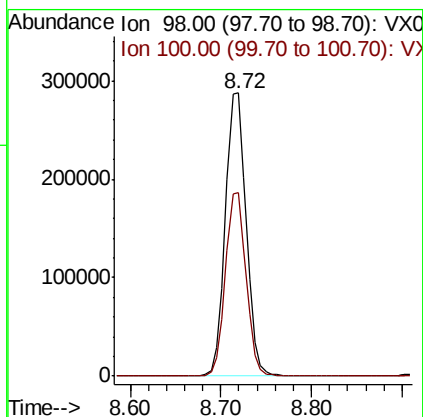
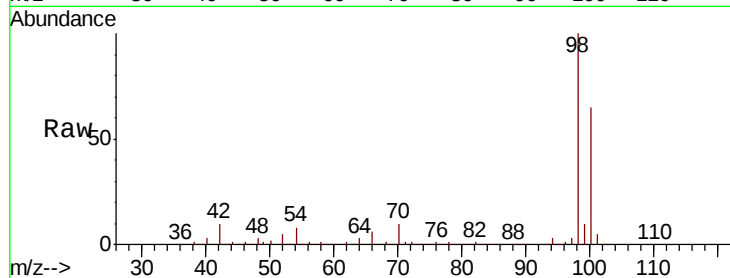




#50
Toluene-d8
Concen: 44.81 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004618.D
Acq: 16 Sep 2018 07:05

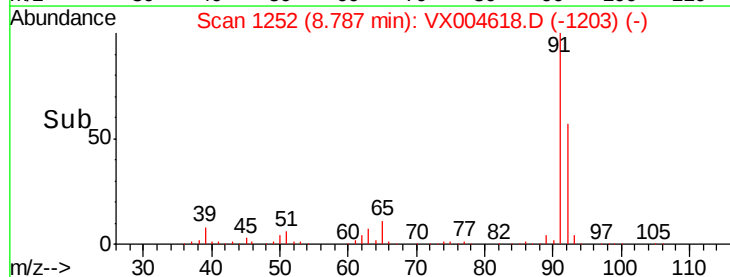
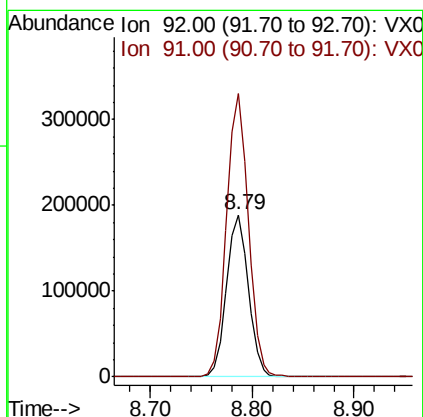
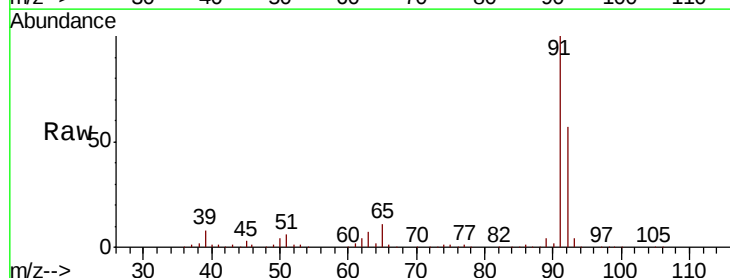
Instrument :
MSVOA_X
ClientSampleId :
ROLLOFF02-COMP-FILLDL

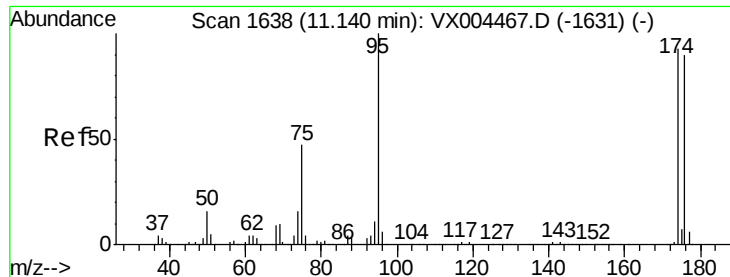
Tot Ion: 98 Resp: 459850
Ion Ratio Lower Upper
98 100
100 64.2 52.9 79.3



#52
Toluene
Concen: 39.62 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004618.D
Acq: 16 Sep 2018 07:05

Tgt Ion: 92 Resp: 281138
Ion Ratio Lower Upper
92 100
91 174.1 136.4 204.6

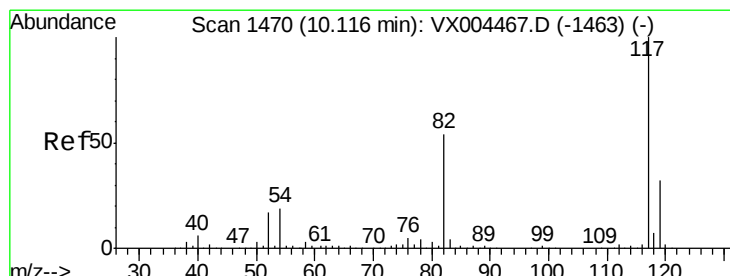
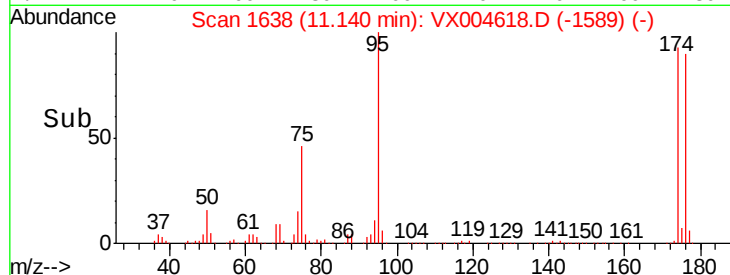
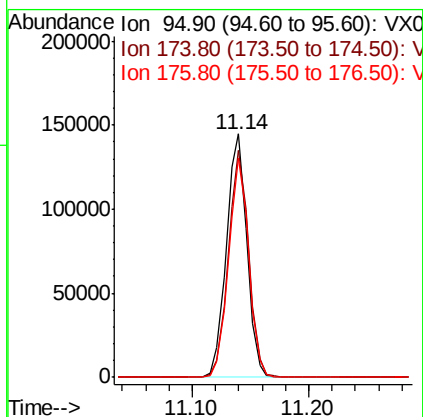
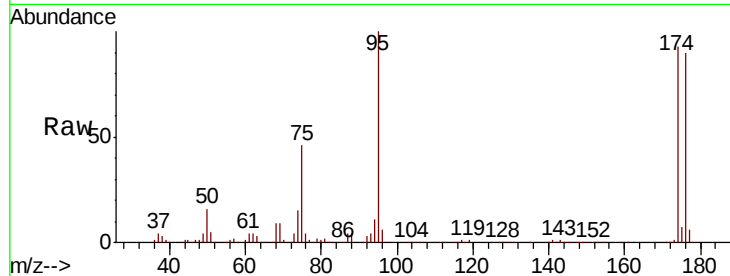




#62
4-Bromofluorobenzene
Concen: 48.06 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004618.D
Acq: 16 Sep 2018 07:05

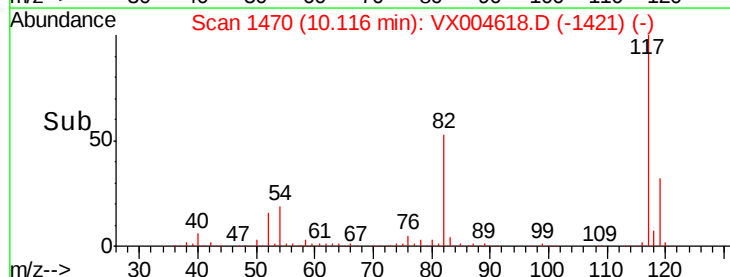
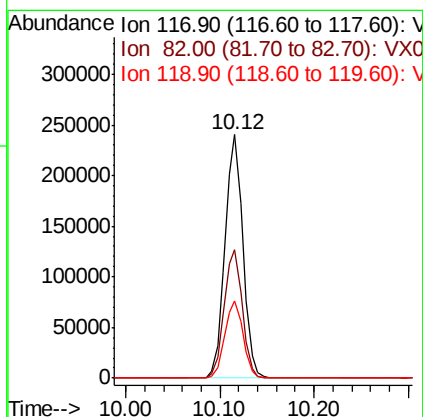
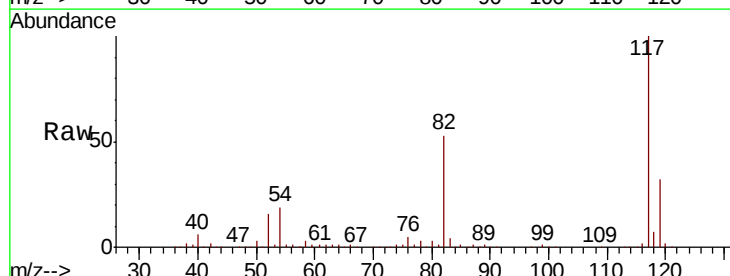
Instrument :
MSVOA_X
ClientSampleId :
ROLLOFF02-COMP-FILLDL

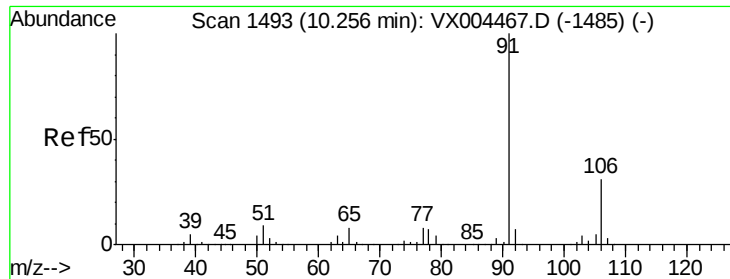
Tot Ion: 95 Resp: 176036
Ion Ratio Lower Upper
95 100
174 93.3 0.0 185.2
176 89.1 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004618.D
Acq: 16 Sep 2018 07:05

Tgt Ion: 117 Resp: 316687
Ion Ratio Lower Upper
117 100
82 52.6 47.8 71.6
119 31.8 29.3 43.9

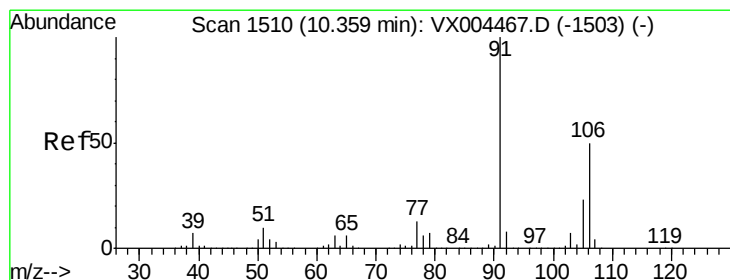
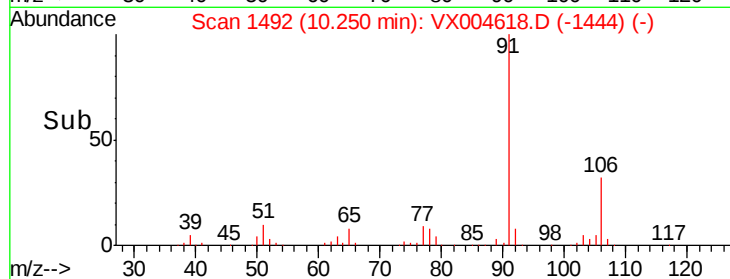
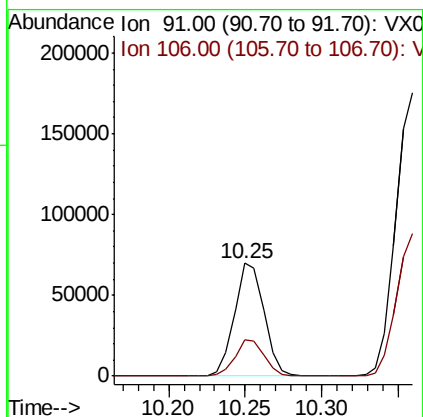
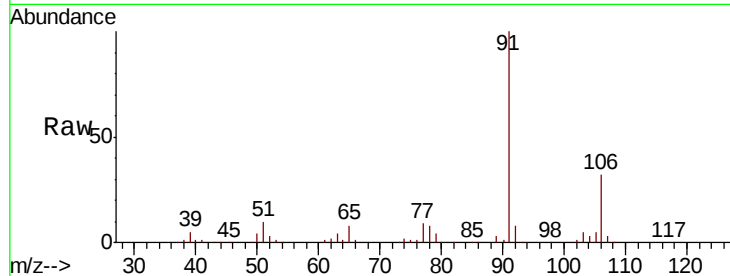




#67
Ethyl Benzene
Concen: 7.35 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004618.D
Acq: 16 Sep 2018 07:05

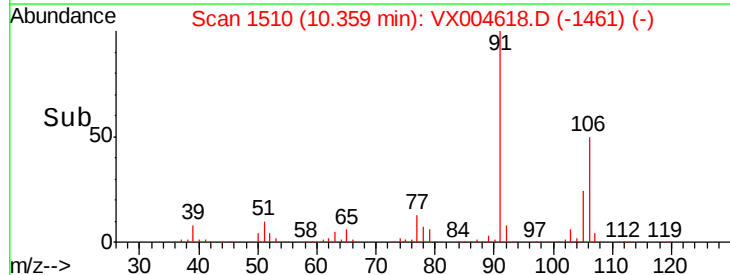
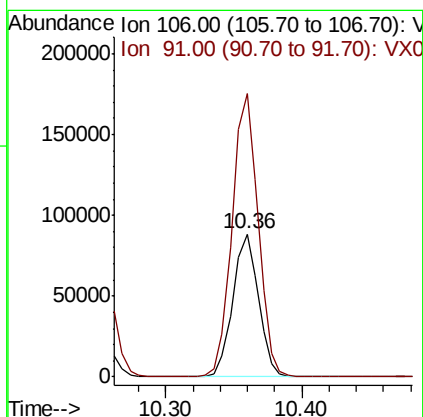
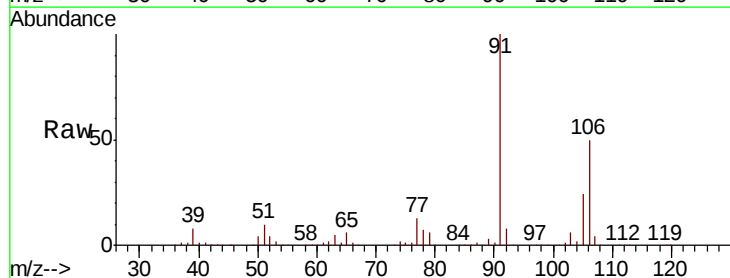
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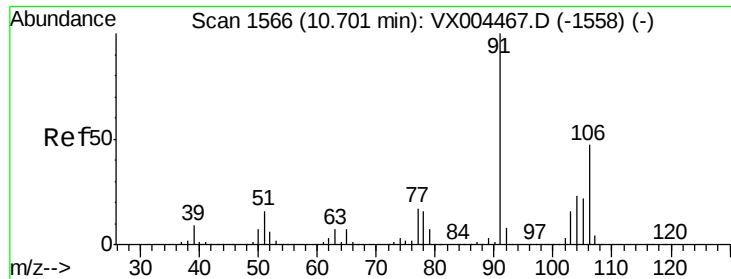
Tot Ion: 91 Resp: 94064
Ion Ratio Lower Upper
91 100
106 31.7 25.9 38.9



#68
m/p-Xylenes
Concen: 23.62 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004618.D
Acq: 16 Sep 2018 07:05

Tgt Ion: 106 Resp: 116354
Ion Ratio Lower Upper
106 100
91 200.1 157.1 235.7

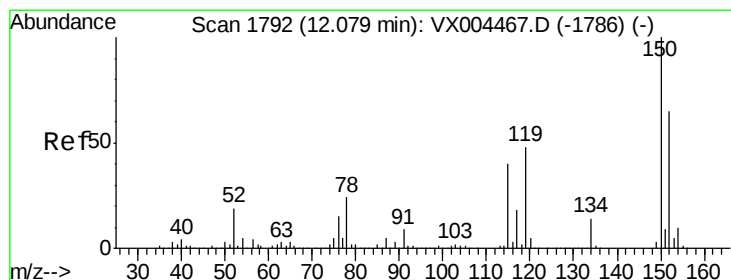
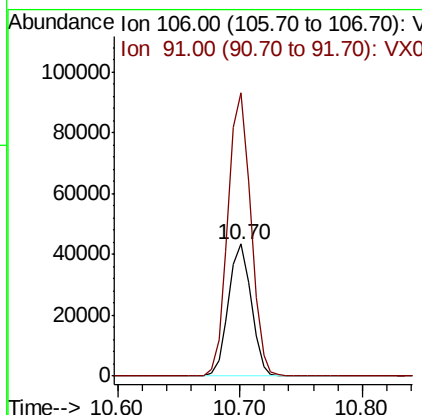
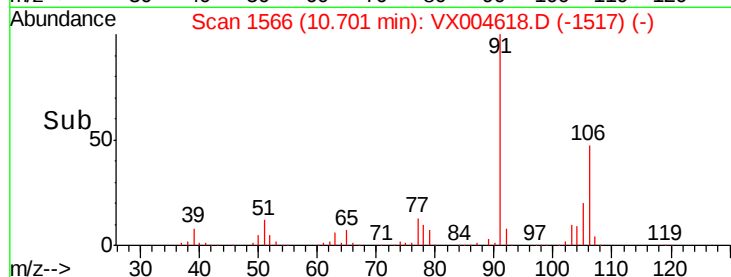
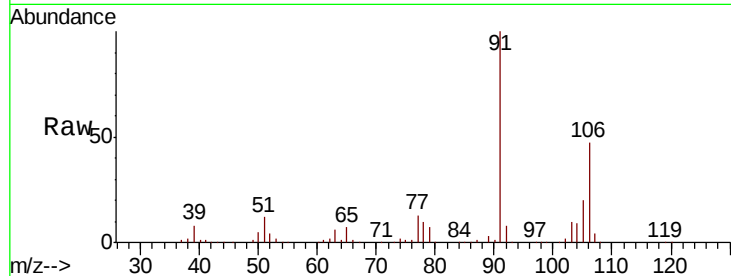




#69
o-Xylene
Concen: 11.82 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004618.D
Acq: 16 Sep 2018 07:05

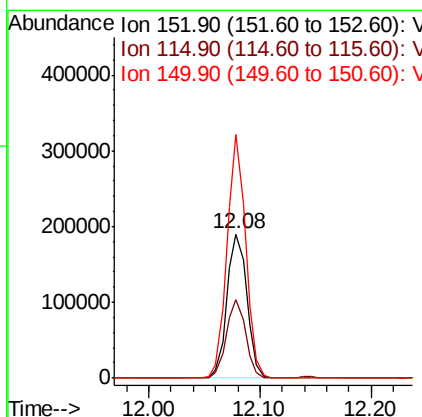
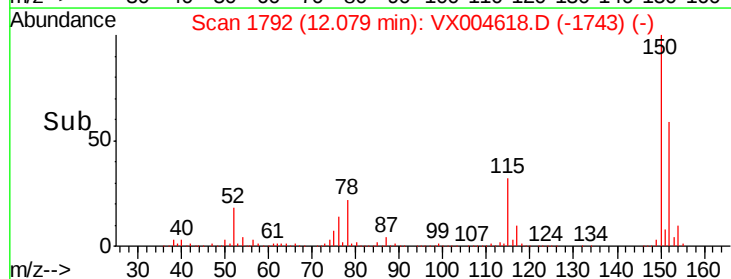
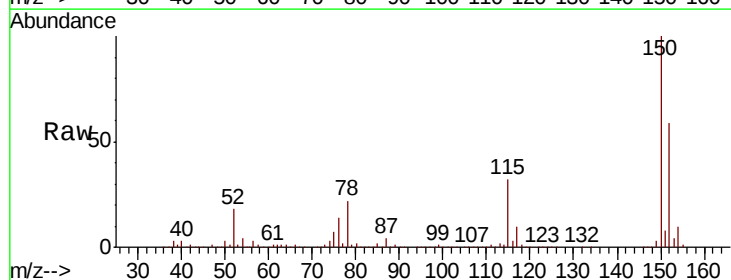
Instrument :
MSVOA_X
ClientSampleId :
ROLLOFF02-COMP-FILLDL

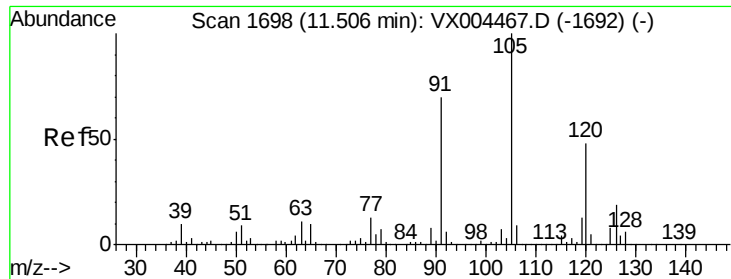
Tot Ion:106 Resp: 55977
Ion Ratio Lower Upper
106 100
91 215.6 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004618.D
Acq: 16 Sep 2018 07:05

Tgt Ion:152 Resp: 235429
Ion Ratio Lower Upper
152 100
115 52.7 39.0 117.0
150 157.8 0.0 351.0

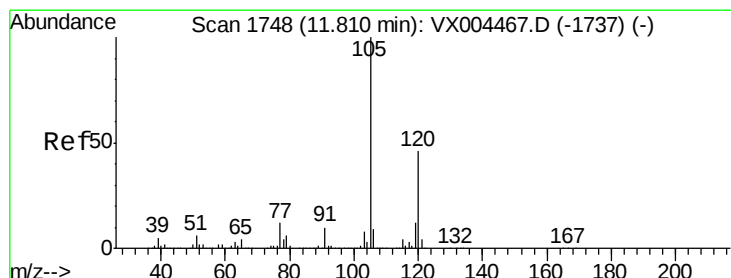
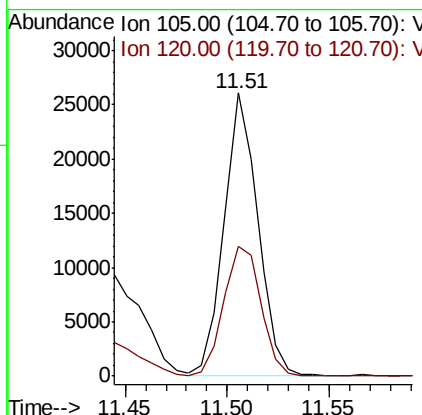
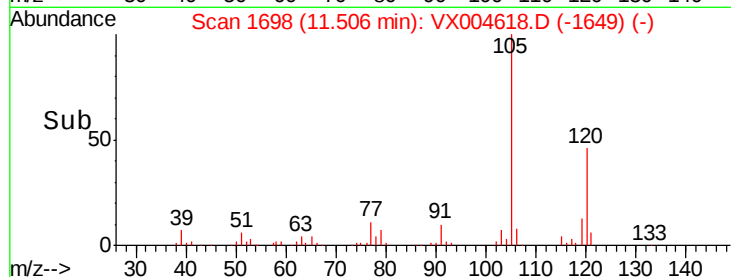
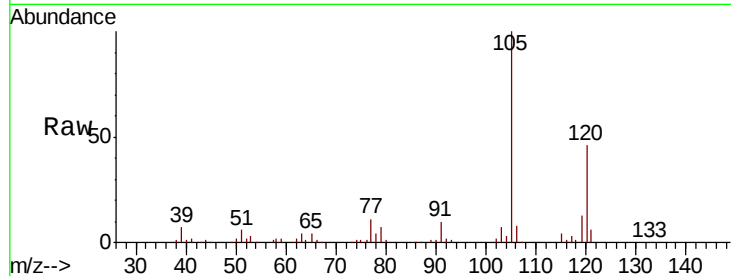




#80
 1,3,5-Trimethylbenzene
 Concen: 2.29 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004618.D
 Acq: 16 Sep 2018 07:05

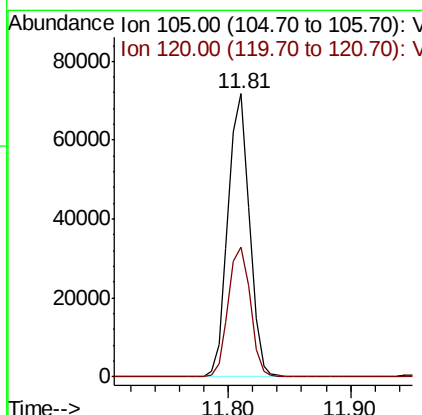
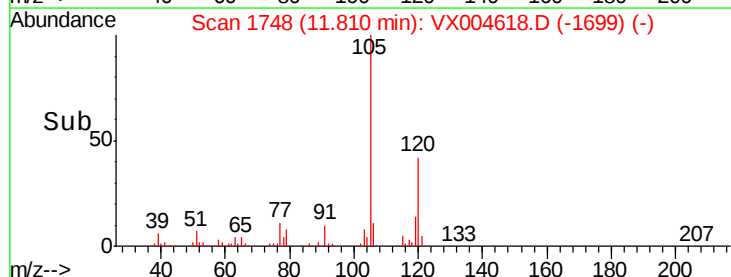
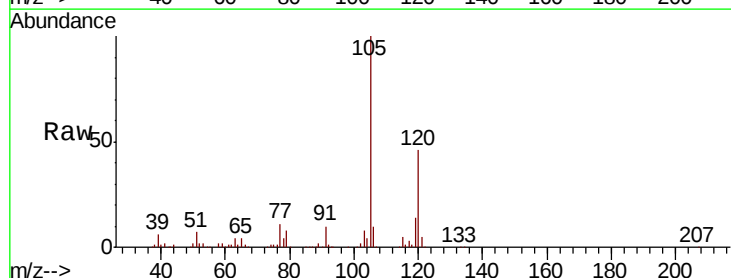
Instrument :
 MSVOA_X
 ClientSampleId :
 ROLLOFF02-COMP-FILLDL

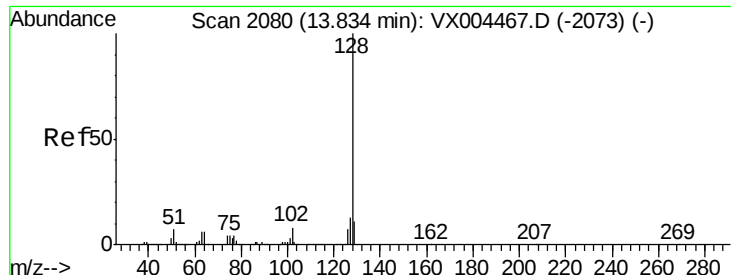
Tot Ion:105 Resp: 29855
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.6 76.8



#84
 1,2,4-Trimethylbenzene
 Concen: 6.56 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004618.D
 Acq: 16 Sep 2018 07:05

Tgt Ion:105 Resp: 87323
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.2 69.6





#95
Naphthalene
Concen: 455.47 ug/l
RT: 13.84 min Scan# 2081
Delta R.T. 0.01 min
Lab File: VX004618.D
Acq: 16 Sep 2018 07:05

Instrument :
MSVOA_X
ClientSampleId :
ROLLOFF02-COMP-FILLDL

Tot Ion:128 Resp: 7320693
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.2
129 11.9 8.6 12.8

