

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005066.D
 Acq On : 05 Oct 2018 13:25
 Operator : JC/MD
 Sample : J5214-04DL2 5000X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 104 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 N48719DL2

Quant Time: Oct 05 14:20:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

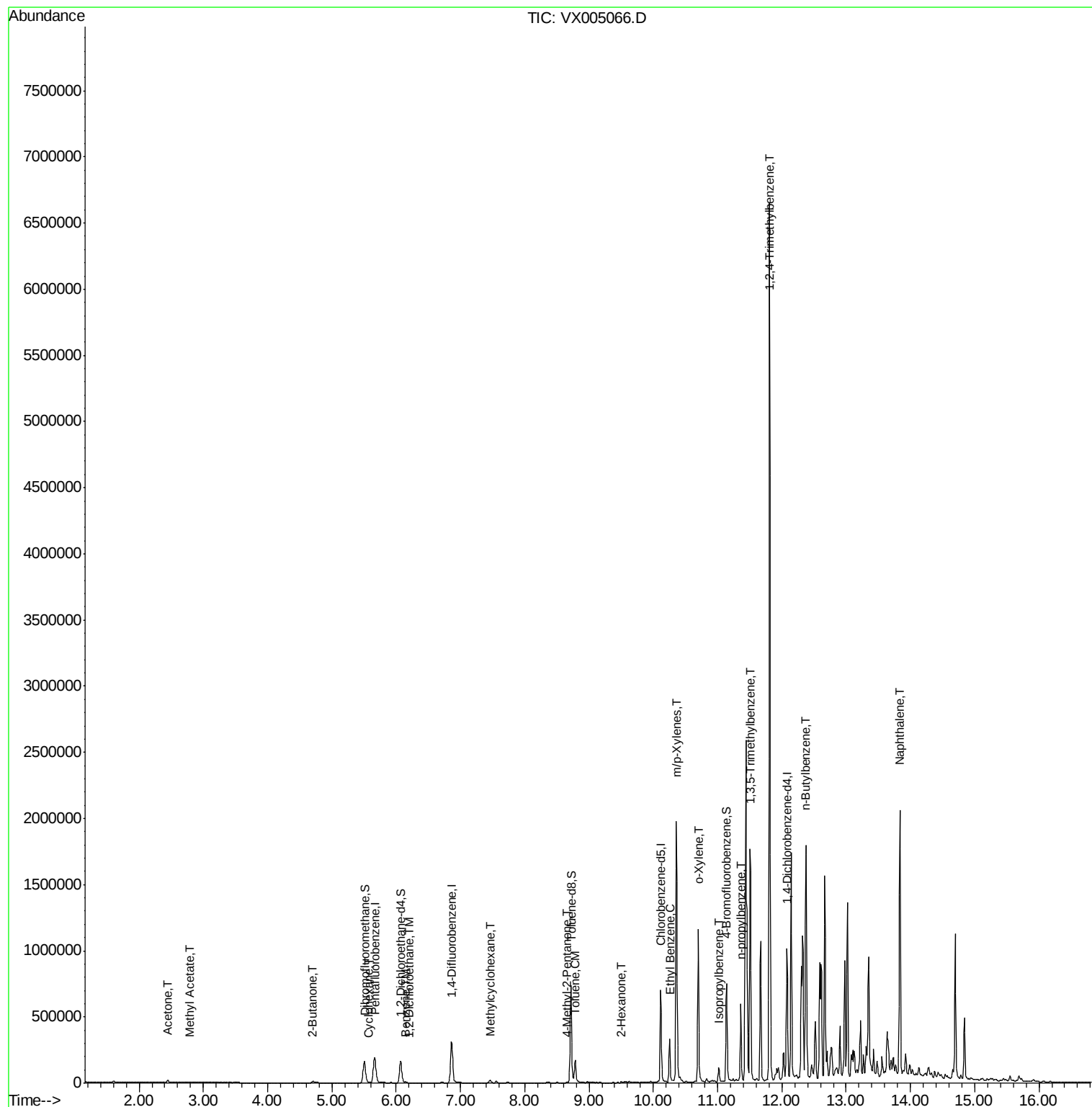
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	212834	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.86	114	327362	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203637	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	162007	53.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.58%	
35) Dibromofluoromethane	5.51	113	135502	48.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.68%	
50) Toluene-d8	8.72	98	485057	52.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	11.14	95	194156	58.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.86%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	20169	11.363	ug/l #	88
18) Methyl Acetate	2.78	43	4757	1.058	ug/l	94
25) 2-Butanone	4.70	43	21977	8.400	ug/l #	88
31) Cyclohexane	5.58	56	2441	0.631	ug/l #	75
39) Methylcyclohexane	7.46	83	7996	2.069	ug/l	94
40) Benzene	6.15	78	10750	0.907	ug/l	97
42) 1,2-Dichloroethane	6.20	62	1149	0.274	ug/l	87
51) 4-Methyl-2-Pentanone	8.65	43	2698	0.591	ug/l	97
52) Toluene	8.79	92	63985	9.826	ug/l	98
59) 2-Hexanone	9.50	43	4999	1.314	ug/l	96
67) Ethyl Benzene	10.26	91	197741	14.582	ug/l	95
68) m/p-Xylenes	10.36	106	470779	88.842	ug/l	94
69) o-Xylene	10.70	106	253193	52.021	ug/l	99
73) Isopropylbenzene	11.02	105	53270	4.150	ug/l	100
78) n-propylbenzene	11.36	91	358557	24.347	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	774133	65.867	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	2868946	237.216	ug/l	100
89) n-Butylbenzene	12.38	91	250121	23.615	ug/l #	21
95) Naphthalene	13.83	128	1231877	72.399	ug/l	100

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

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Quant Time: Oct 05 14:20:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 742

Delta R.T. 0.02 min

Lab File: VX005066.D

Acq: 05 Oct 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

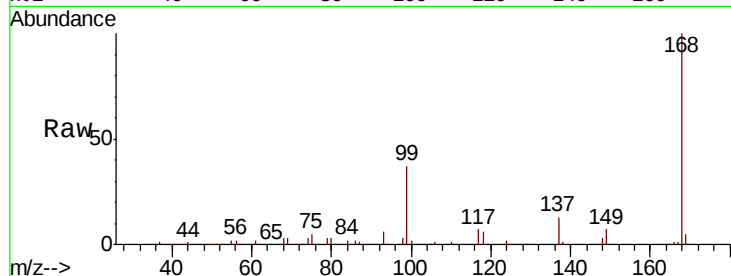
N48719DL2

Tot Ion:168 Resp: 212834

Ion Ratio Lower Upper

168 100

99 37.1 39.3 58.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

80000

60000

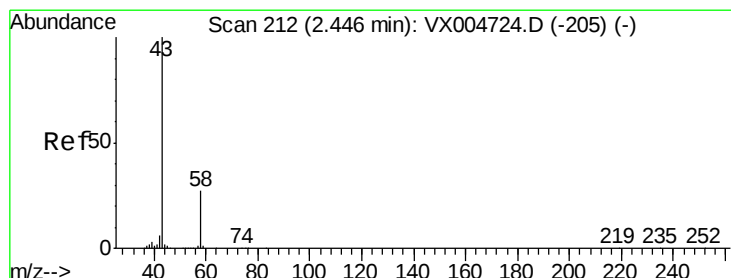
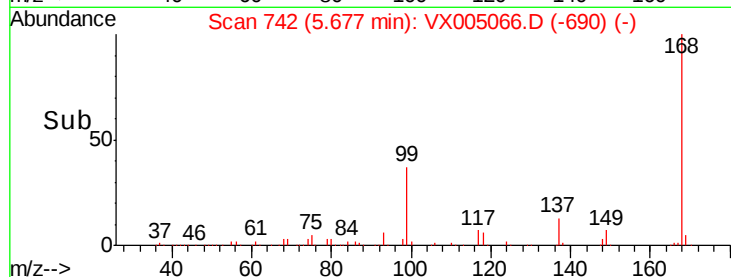
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#16

Acetone

Concen: 11.363 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005066.D

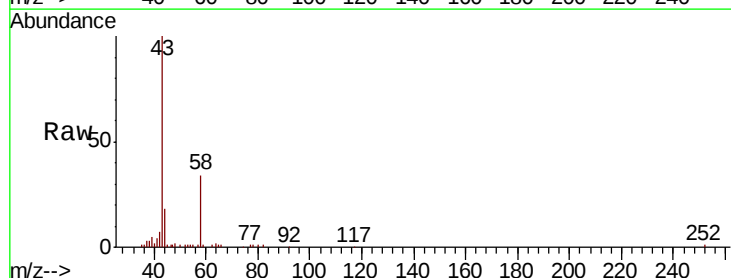
Acq: 05 Oct 2018 13:25

Tgt Ion: 43 Resp: 20169

Ion Ratio Lower Upper

43 100

58 33.3 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

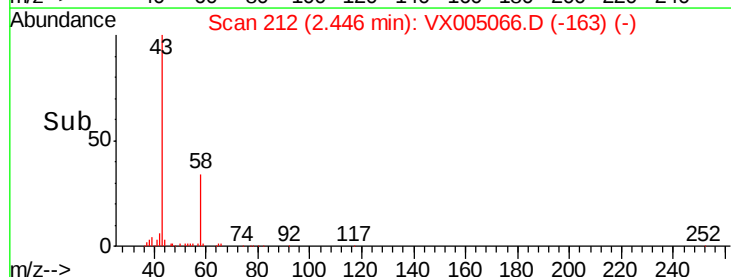
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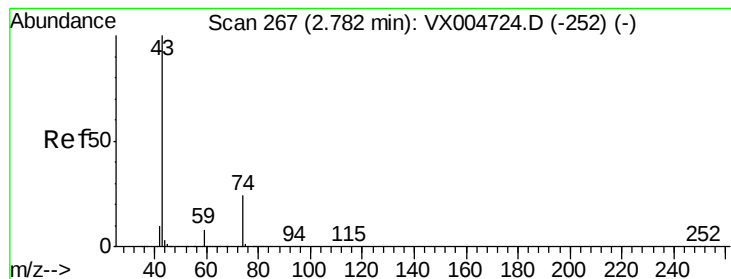
5000

0

Time-->

2.35 2.40 2.45 2.50 2.55





#18

Methvl Acetate

Concen: 1.058 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005066.D

Acq: 05 Oct 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

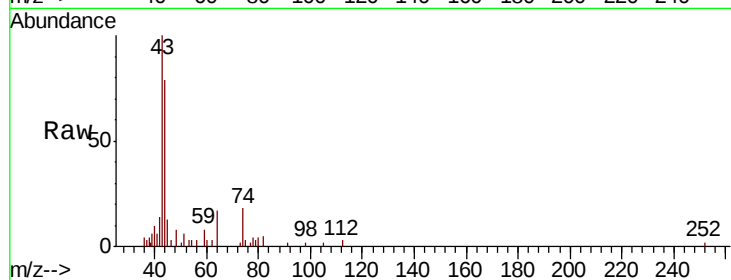
N48719DL2

Tot Ion: 43 Resp: 4757

Ion Ratio Lower Upper

43 100

74 25.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

2500

2000

1500

1000

500

0

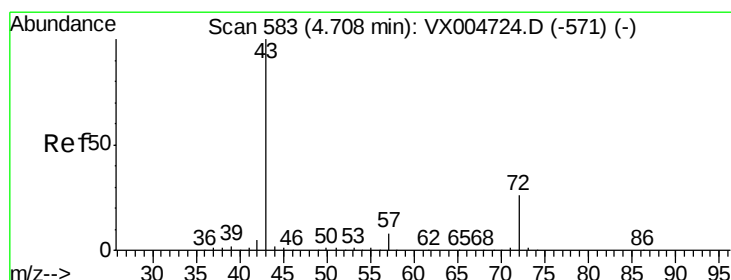
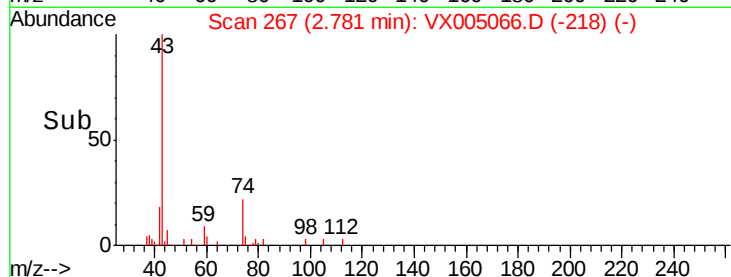
Time-->

2.70

2.75

2.80

2.85



#25

2-Butanone

Concen: 8.400 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005066.D

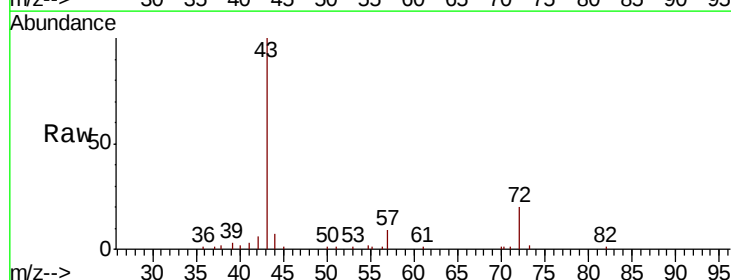
Acq: 05 Oct 2018 13:25

Tgt Ion: 43 Resp: 21977

Ion Ratio Lower Upper

43 100

72 20.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

8000

6000

4000

2000

0

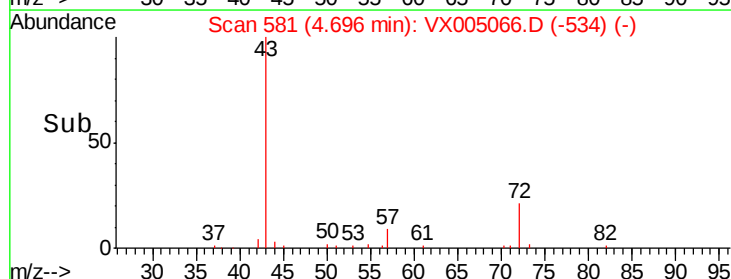
Time-->

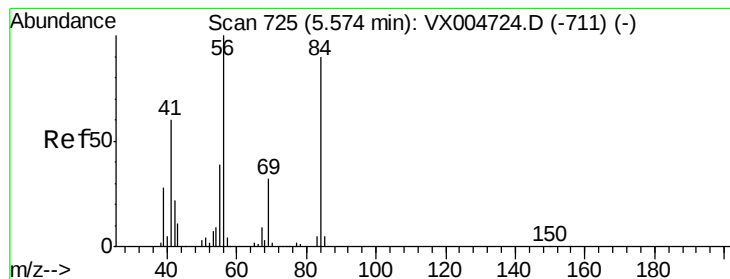
4.60

4.70

4.80

4.90





#31

Cyclohexane

Concen: 0.631 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005066.D

Acq: 05 Oct 2018 13:25

Instrument :

MSVOA_X

ClientSampled :

N48719DL2

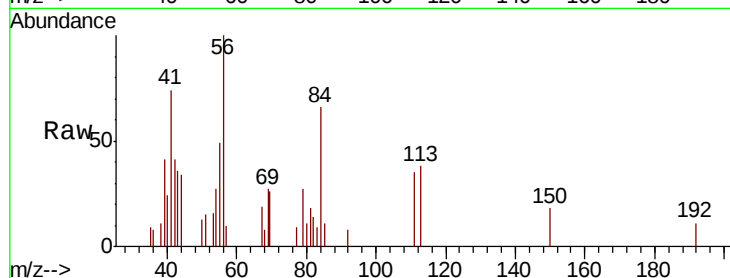
Tot Ion: 56 Resp: 2441

Ion Ratio Lower Upper

56 100

69 45.5 25.9 38.9#

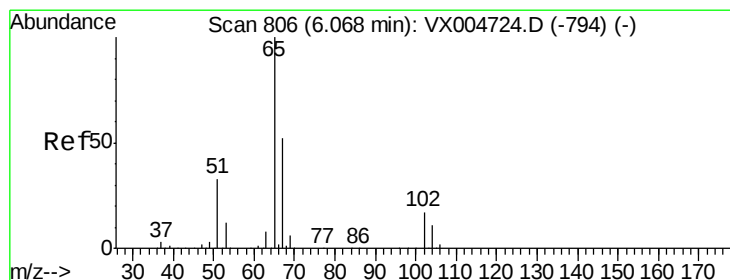
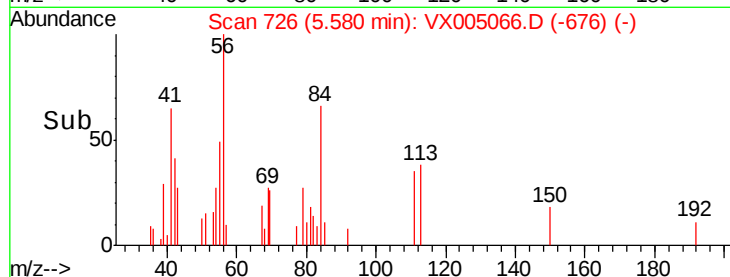
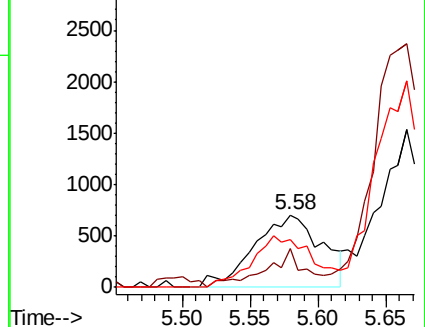
84 65.6 71.9 107.9#



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: 53.286 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005066.D

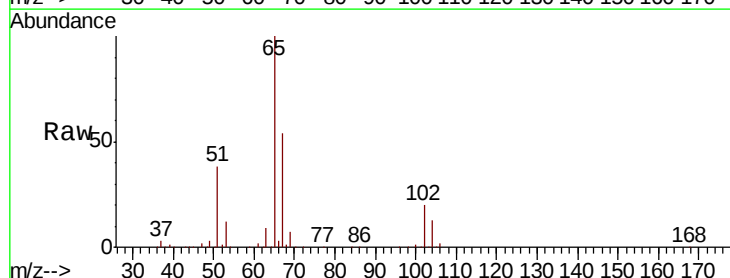
Acq: 05 Oct 2018 13:25

Tgt Ion: 65 Resp: 162007

Ion Ratio Lower Upper

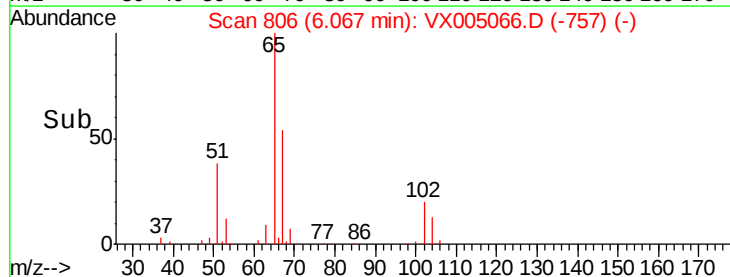
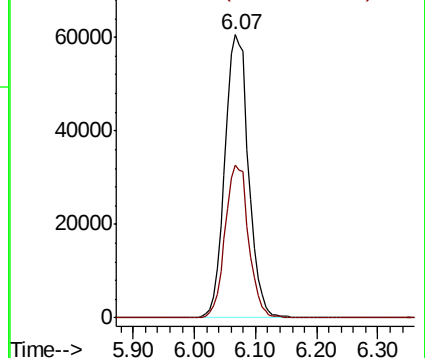
65 100

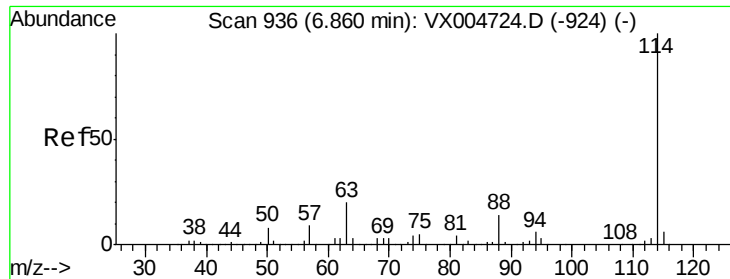
67 53.6 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

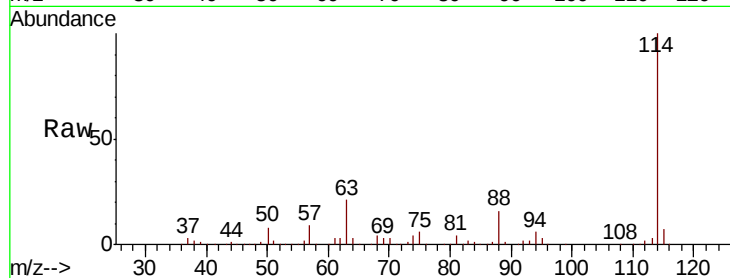




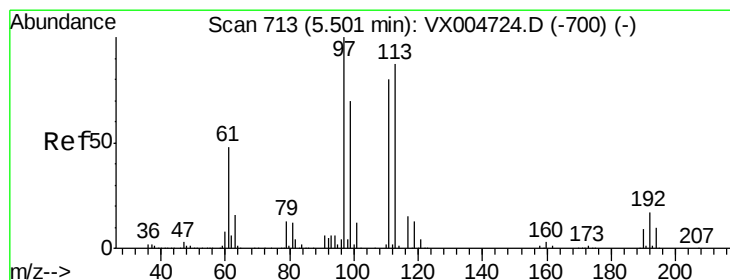
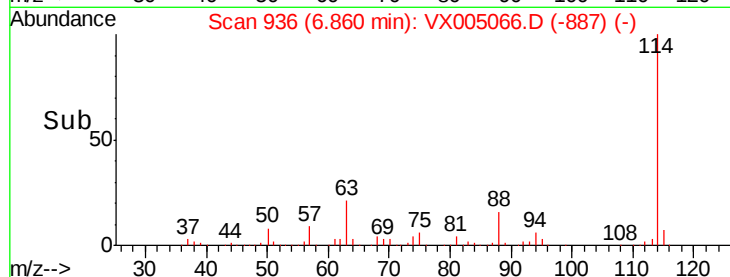
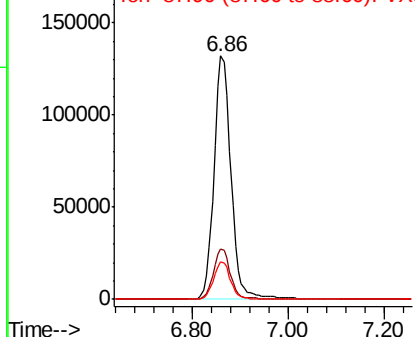
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005066.D
 Acq: 05 Oct 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 N48719DL2

Tot Ion:114 Resp: 327362
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.8
 88 15.6 0.0 27.0

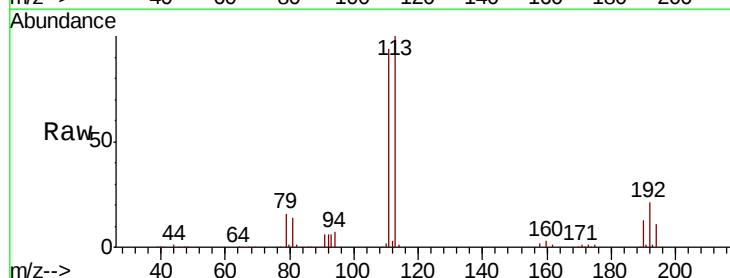


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

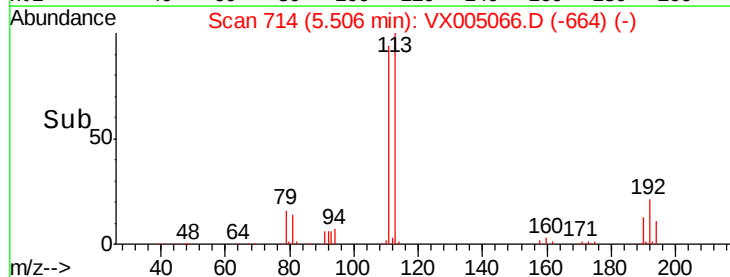
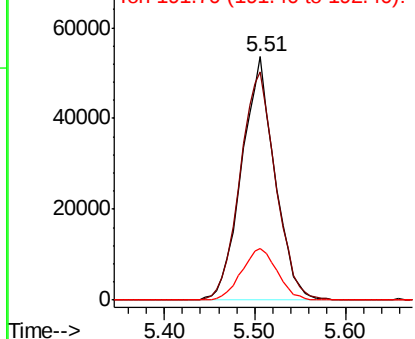


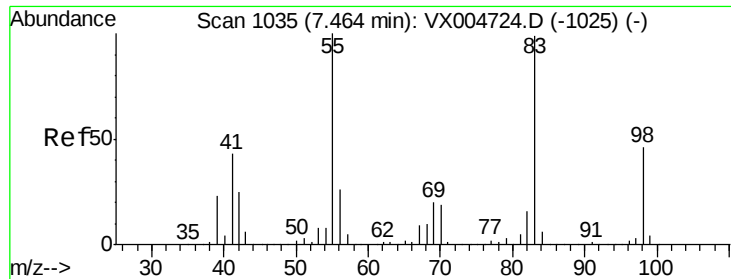
#35
 Dibromofluoromethane
 Concen: 48.839 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005066.D
 Acq: 05 Oct 2018 13:25

Tgt Ion:113 Resp: 135502
 Ion Ratio Lower Upper
 113 100
 111 100.6 77.0 115.4
 192 23.1 17.0 25.6



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

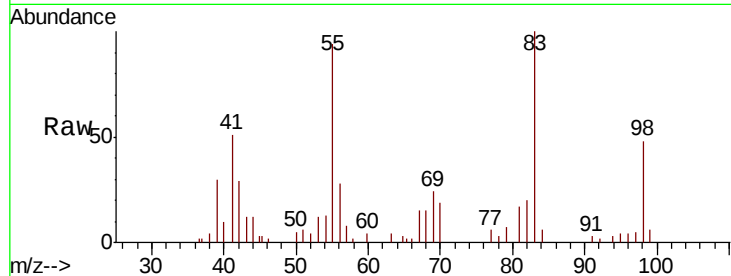




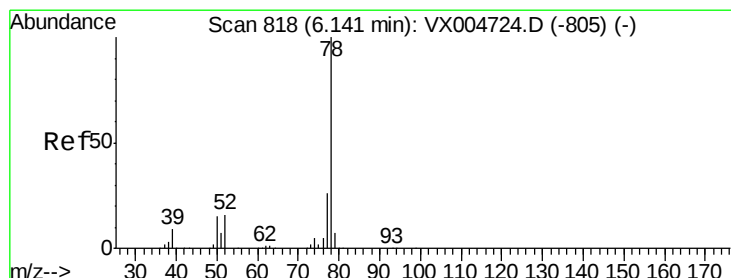
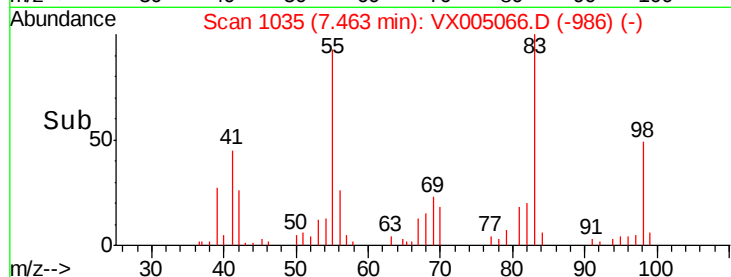
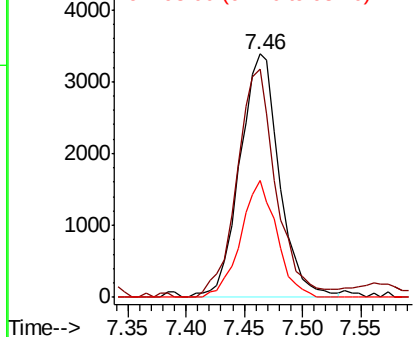
#39
Methvlcvclohexane
Concen: 2.069 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005066.D
Acq: 05 Oct 2018 13:25

Instrument :
MSVOA_X
ClientSampled :
N48719DL2

Tot Ion: 83 Resp: 7996
Ion Ratio Lower Upper
83 100
55 93.9 81.1 121.7
98 48.3 37.3 55.9

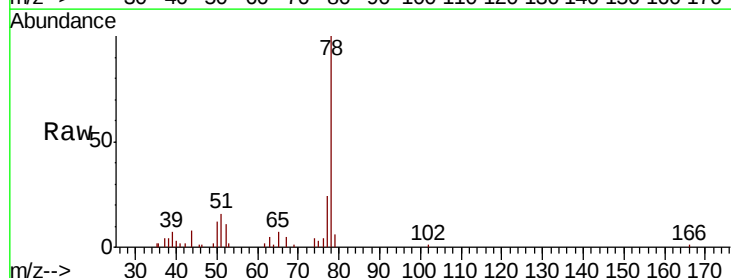


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

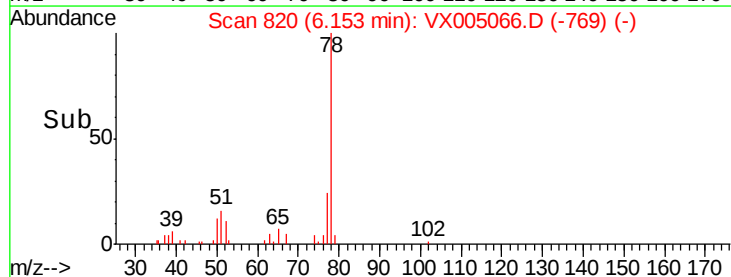
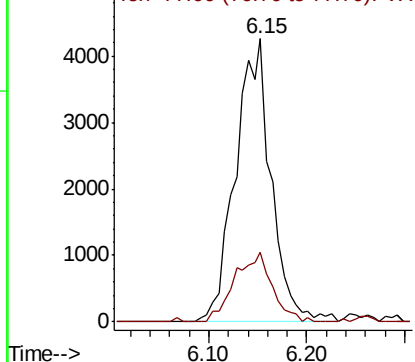


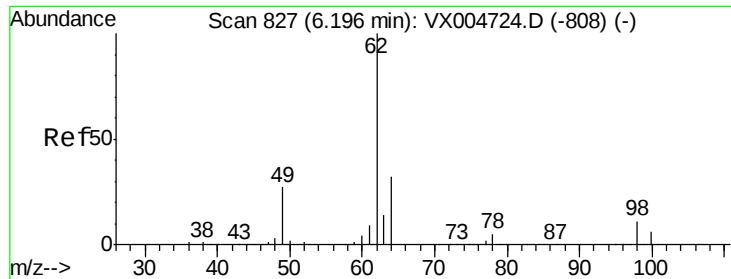
#40
Benzene
Concen: 0.907 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX005066.D
Acq: 05 Oct 2018 13:25

Tgt Ion: 78 Resp: 10750
Ion Ratio Lower Upper
78 100
77 24.5 21.0 31.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

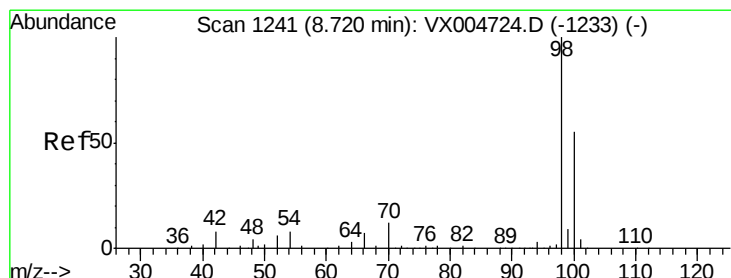
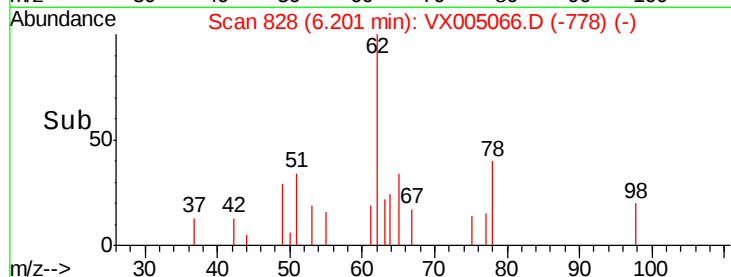
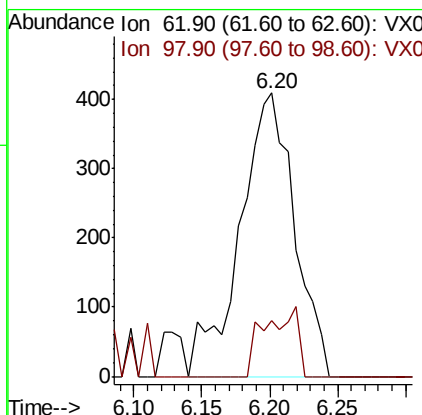
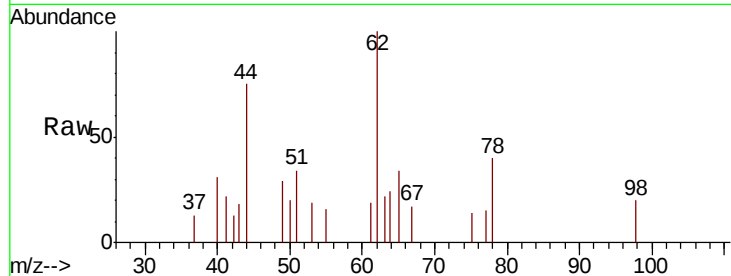




#42
 1,2-Dichloroethane
 Concen: 0.274 ug/l
 RT: 6.20 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VX005066.D
 Acq: 05 Oct 2018 13:25

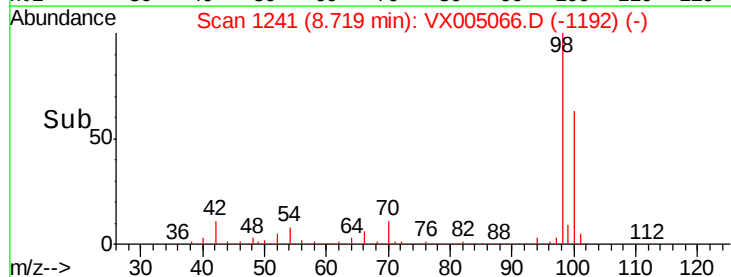
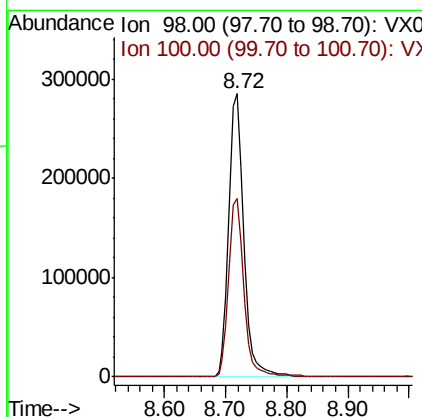
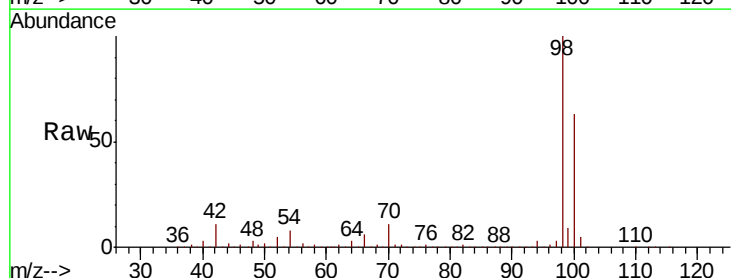
Instrument :
 MSVOA_X
 ClientSampleId :
 N48719DL2

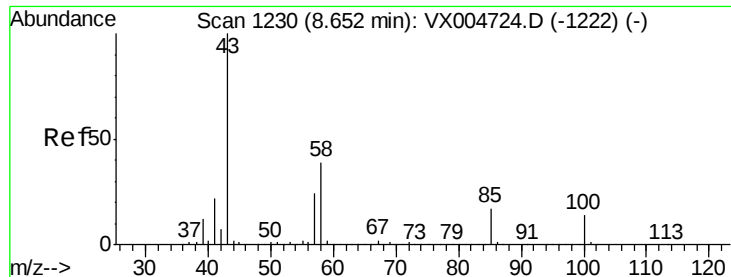
Tot Ion: 62 Resp: 1149
 Ion Ratio Lower Upper
 62 100
 98 15.1 0.0 20.2



#50
 Toluene-d8
 Concen: 52.589 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VX005066.D
 Acq: 05 Oct 2018 13:25

Tgt Ion: 98 Resp: 485057
 Ion Ratio Lower Upper
 98 100
 100 63.2 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 0.591 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005066.D

Acq: 05 Oct 2018 13:25

Instrument :

MSVOA_X

ClientSampled :

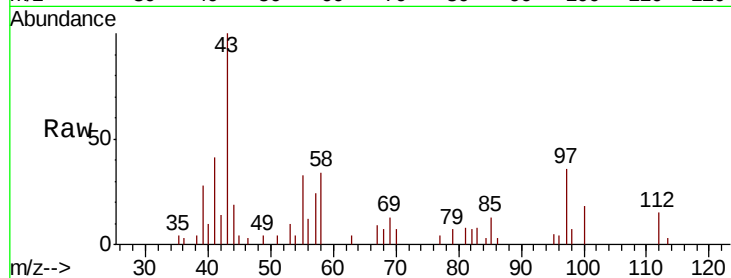
N48719DL2

Tot Ion: 43 Resp: 2698

Ion Ratio Lower Upper

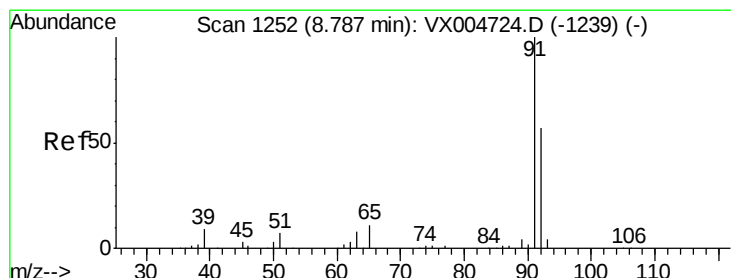
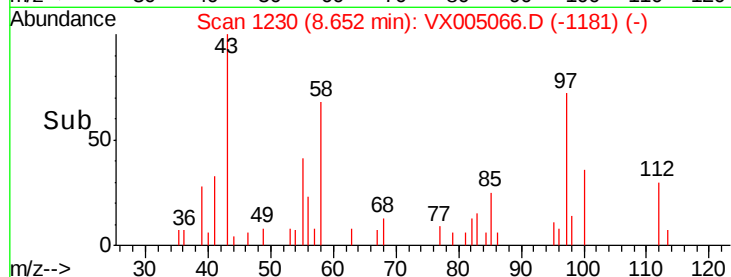
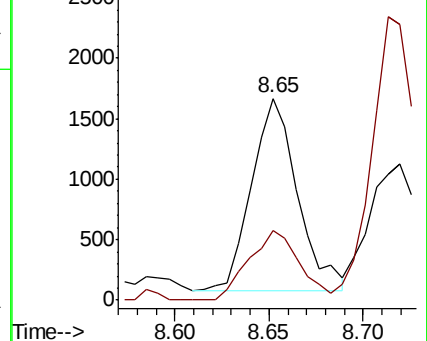
43 100

58 39.7 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 9.826 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005066.D

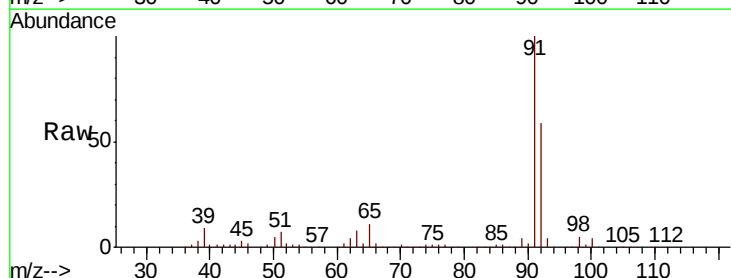
Acq: 05 Oct 2018 13:25

Tgt Ion: 92 Resp: 63985

Ion Ratio Lower Upper

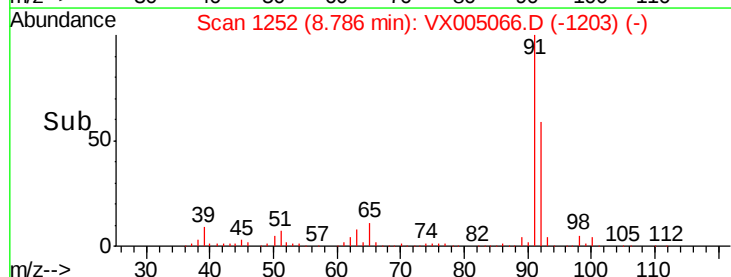
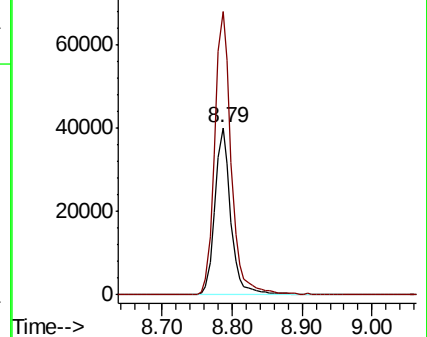
92 100

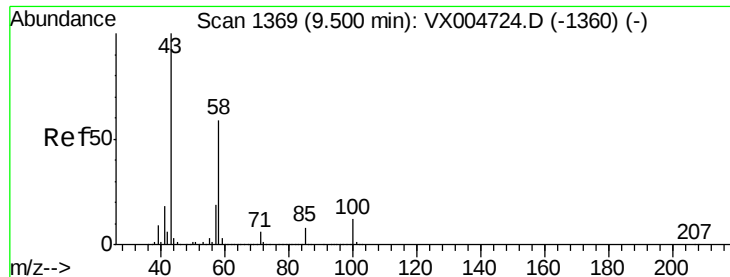
91 174.3 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

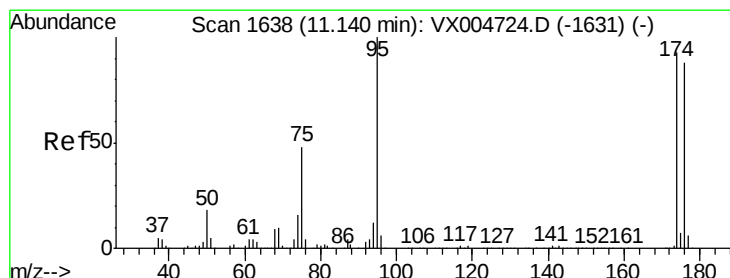
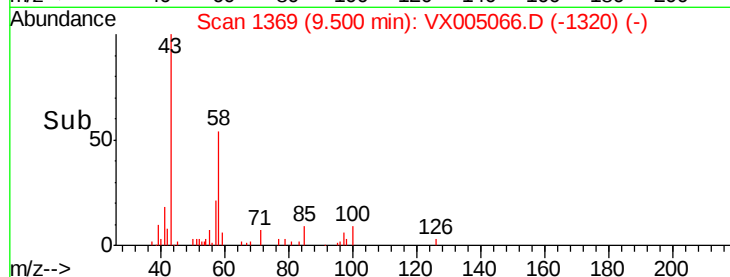
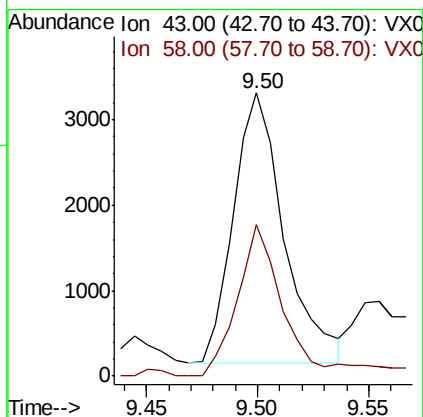
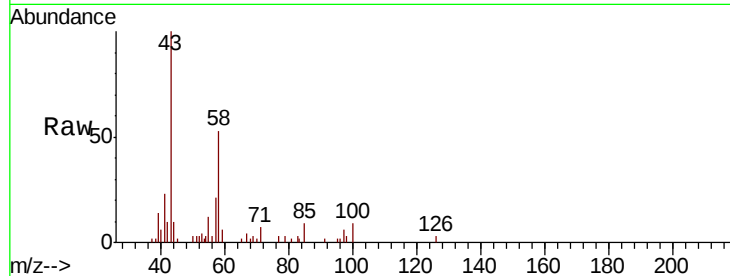




#59
2-Hexanone
Concen: 1.314 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005066.D
Acq: 05 Oct 2018 13:25

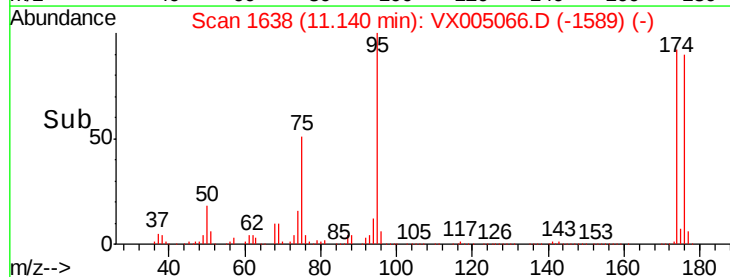
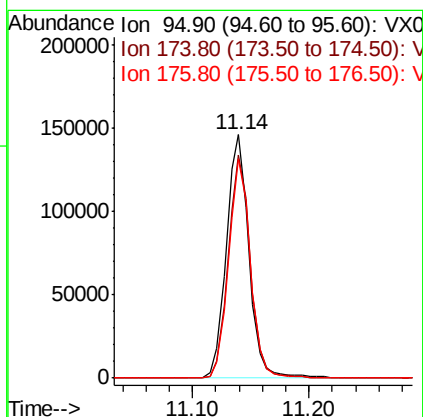
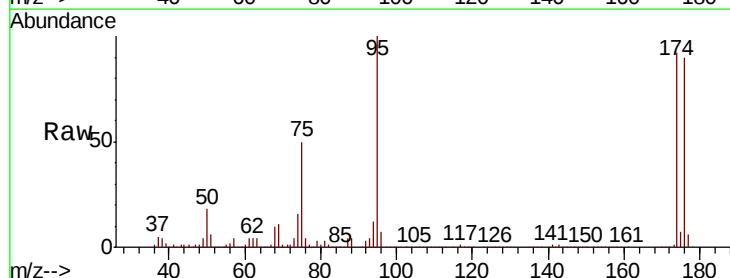
Instrument :
MSVOA_X
ClientSampleId :
N48719DL2

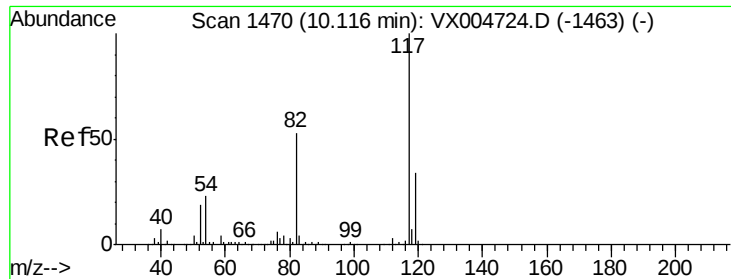
Tot Ion: 43 Resp: 4999
Ion Ratio Lower Upper
43 100
58 53.7 28.4 85.3



#62
4-Bromofluorobenzene
Concen: 58.431 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005066.D
Acq: 05 Oct 2018 13:25

Tgt Ion: 95 Resp: 194156
Ion Ratio Lower Upper
95 100
174 90.5 0.0 185.0
176 88.1 0.0 180.2

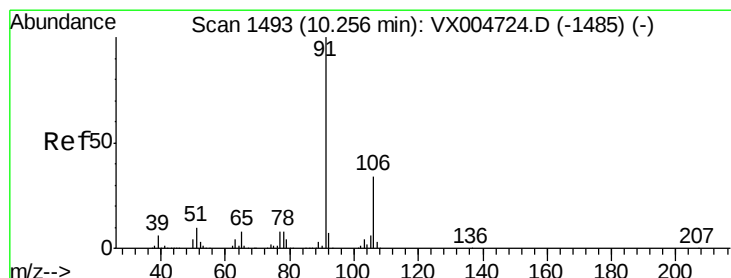
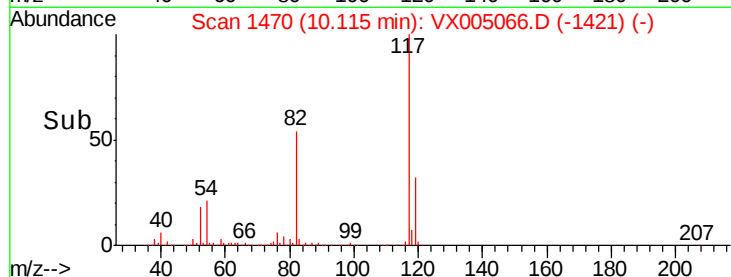
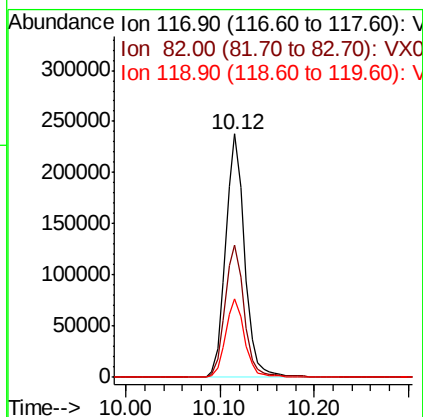
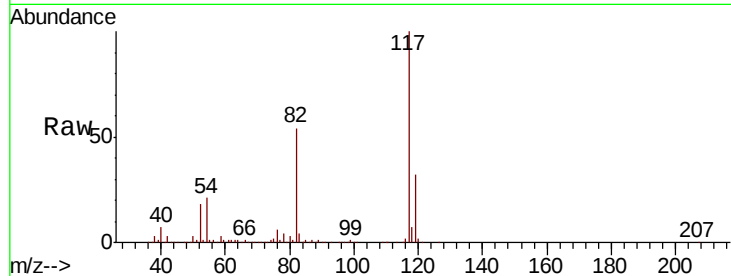




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005066.D
Acq: 05 Oct 2018 13:25

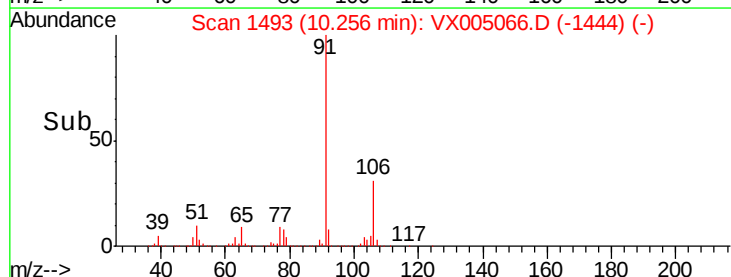
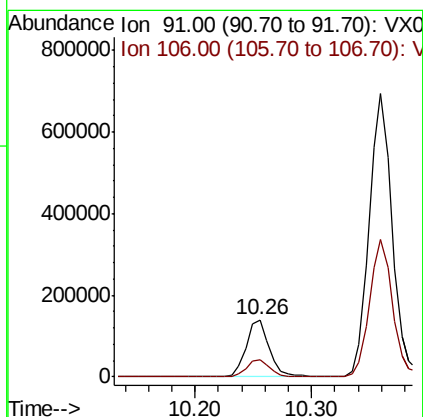
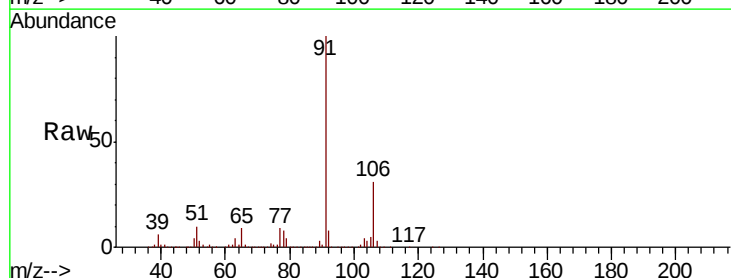
Instrument :
MSVOA_X
ClientSampled :
N48719DL2

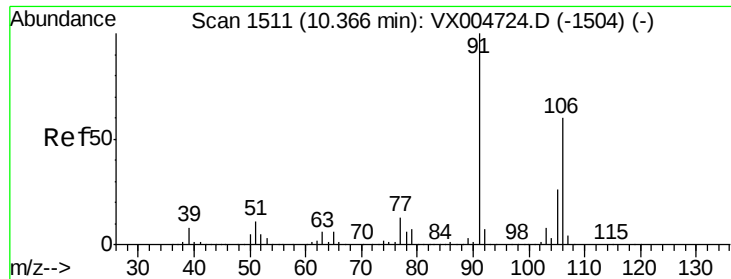
Tot Ion:117 Resp: 333090
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.4
119 32.1 27.4 41.0



#67
Ethyl Benzene
Concen: 14.582 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005066.D
Acq: 05 Oct 2018 13:25

Tgt Ion: 91 Resp: 197741
Ion Ratio Lower Upper
91 100
106 30.7 26.9 40.3

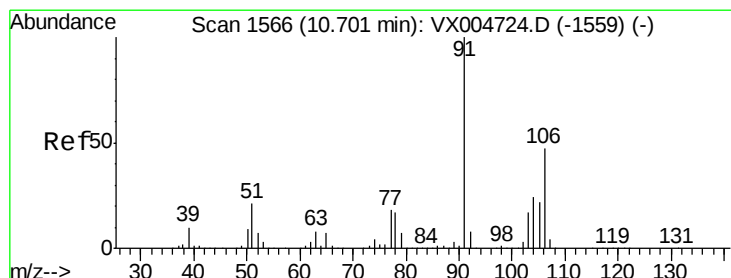
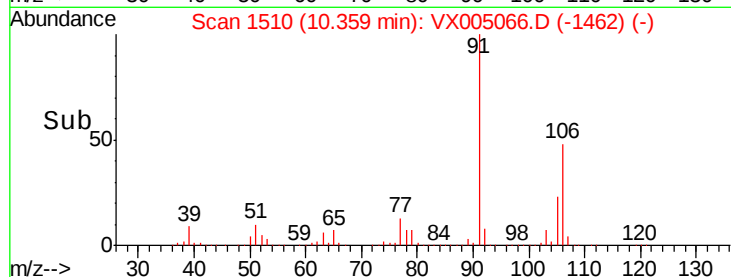
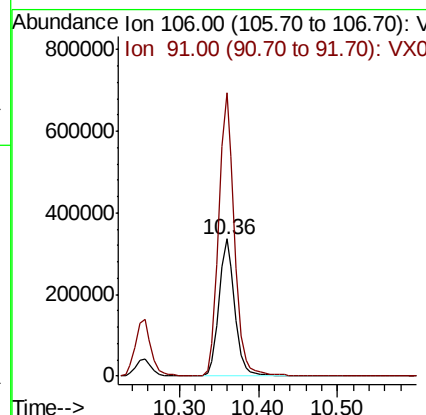
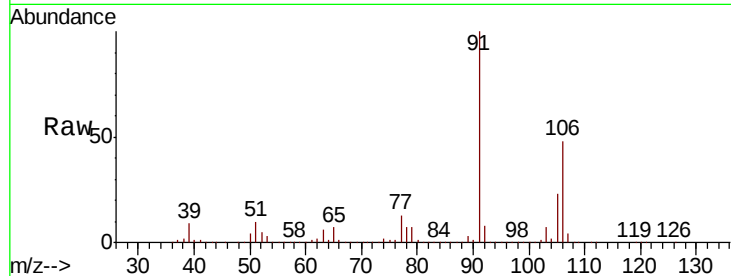




#68
m/p-Xylenes
Concen: 88.842 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005066.D
Acq: 05 Oct 2018 13:25

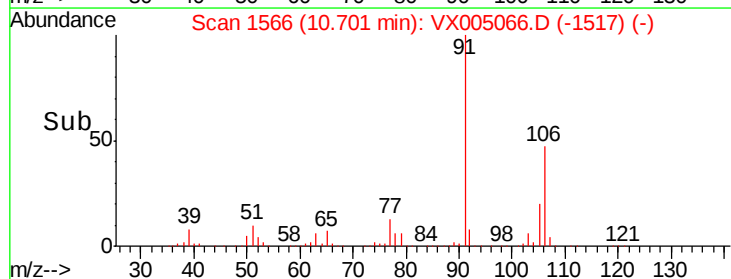
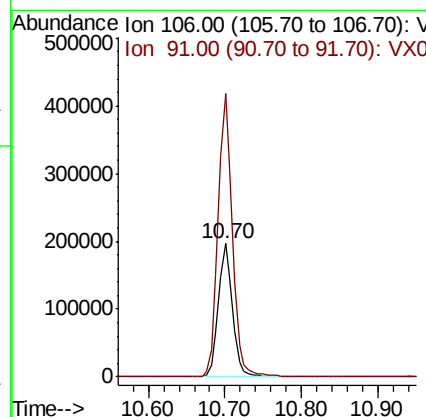
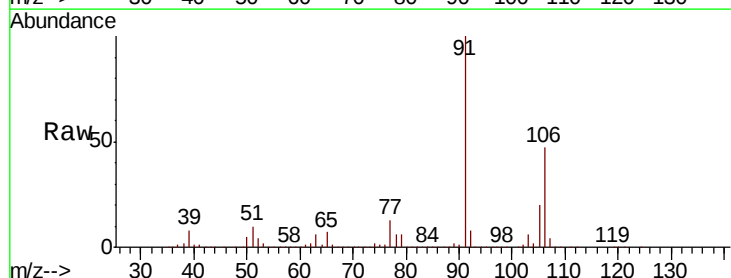
Instrument :
MSVOA_X
ClientSampled :
N48719DL2

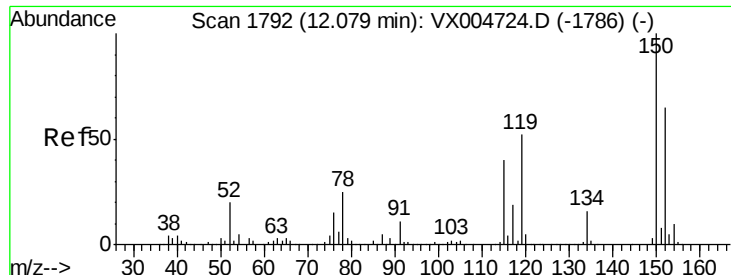
Tot Ion:106 Resp: 470779
Ion Ratio Lower Upper
106 100
91 205.7 157.5 236.3



#69
o-Xylene
Concen: 52.021 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005066.D
Acq: 05 Oct 2018 13:25

Tgt Ion:106 Resp: 253193
Ion Ratio Lower Upper
106 100
91 215.0 108.3 324.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005066.D

Acq: 05 Oct 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

N48719DL2

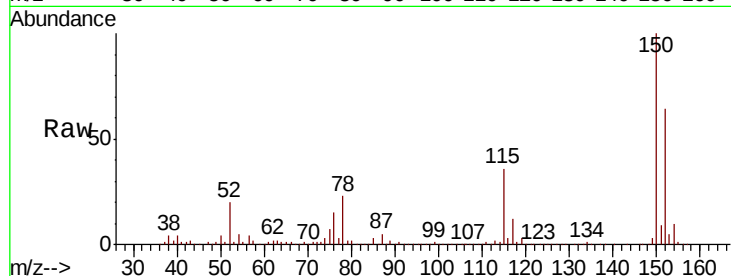
Tot Ion:152 Resp: 203637

Ion Ratio Lower Upper

152 100

115 56.2 40.2 120.6

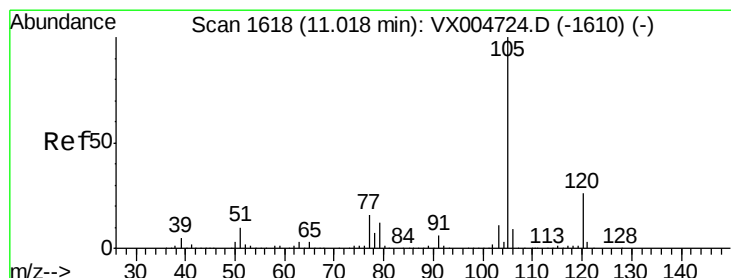
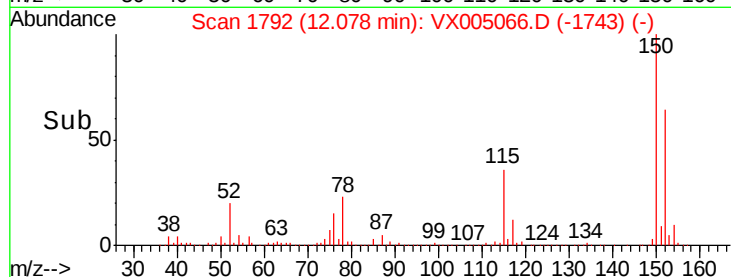
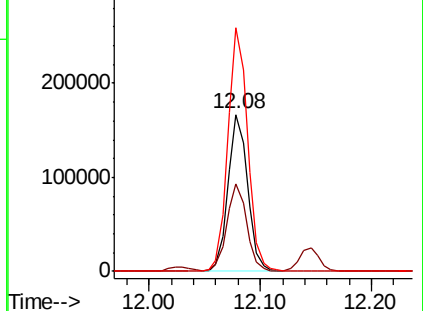
150 155.7 0.0 351.0



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: 4.150 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005066.D

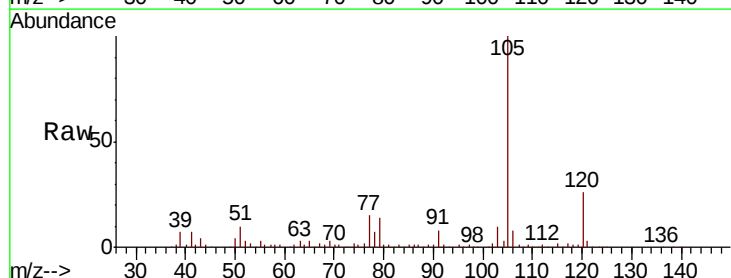
Acq: 05 Oct 2018 13:25

Tgt Ion:105 Resp: 53270

Ion Ratio Lower Upper

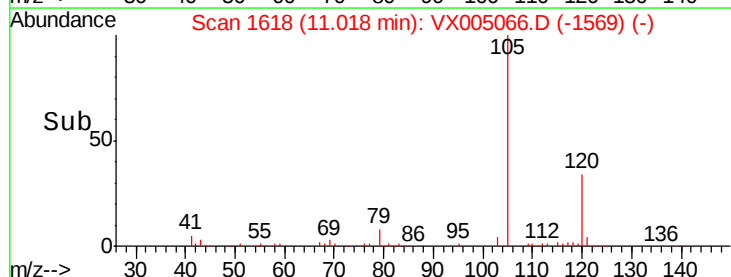
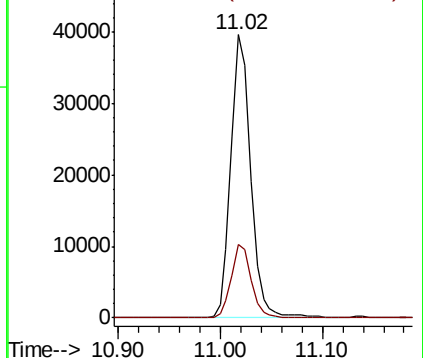
105 100

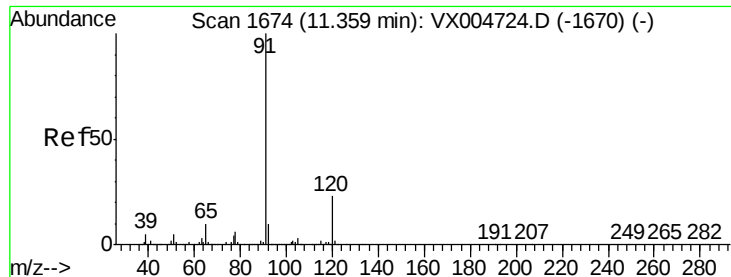
120 26.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 24.347 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005066.D

Acq: 05 Oct 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

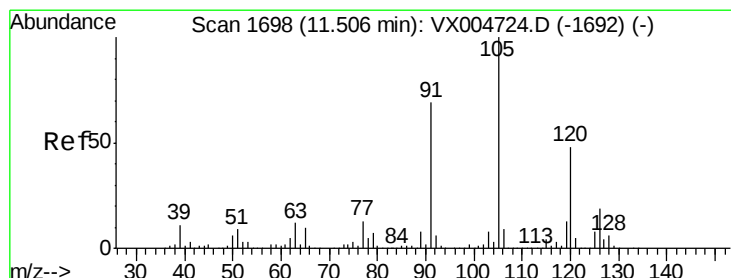
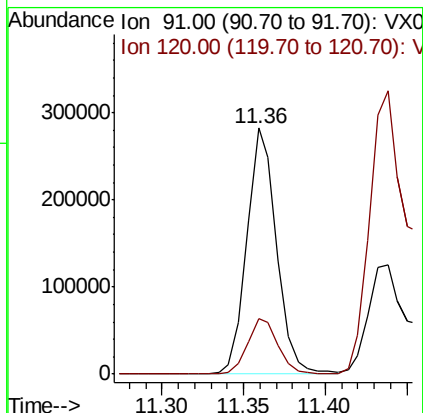
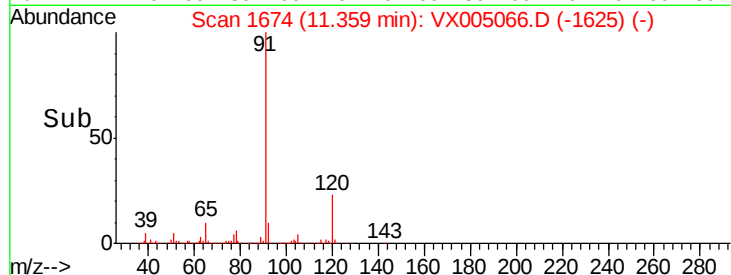
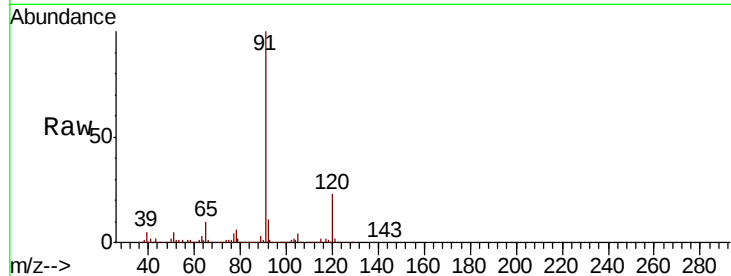
N48719DL2

Tot Ion: 91 Resp: 358557

Ion Ratio Lower Upper

91 100

120 23.0 12.0 36.0



#80

1,3,5-Trimethylbenzene

Concen: 65.867 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005066.D

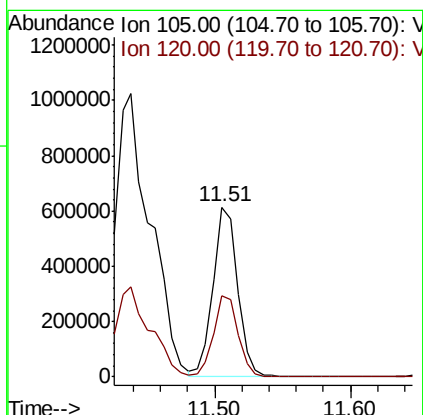
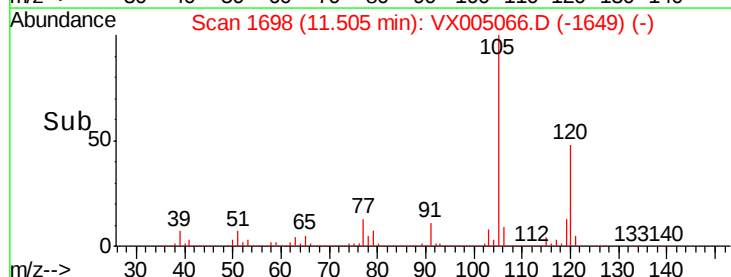
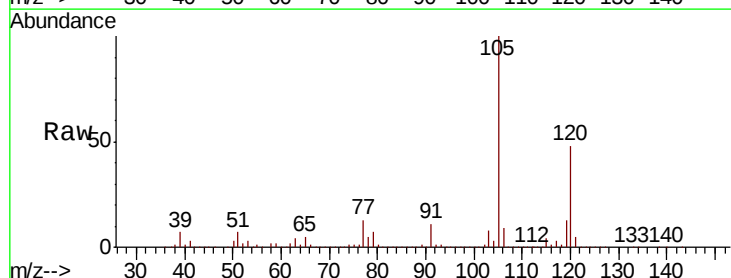
Acq: 05 Oct 2018 13:25

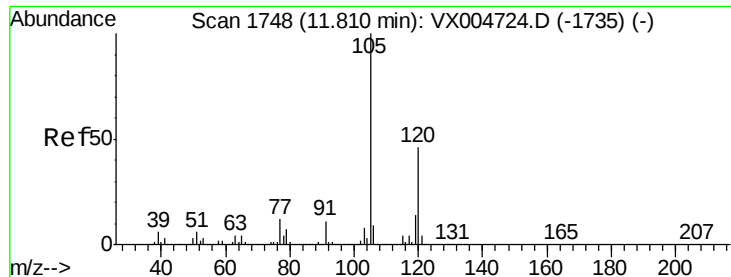
Tgt Ion:105 Resp: 774133

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8

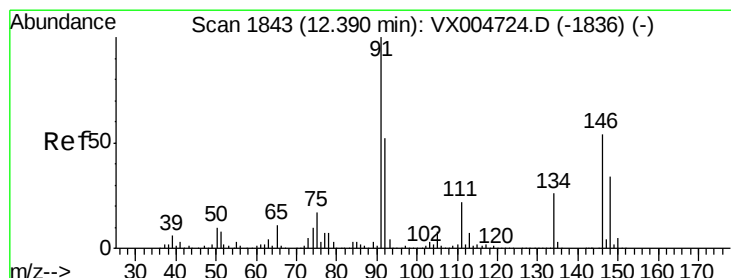
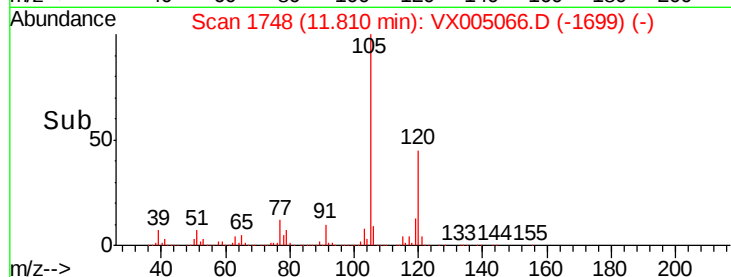
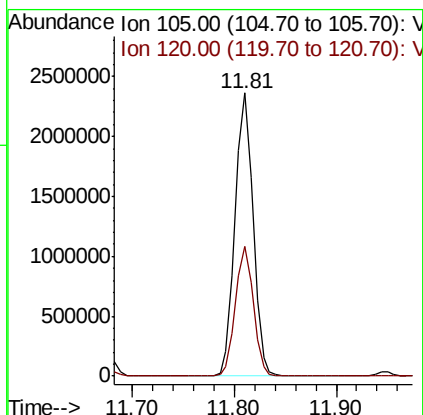
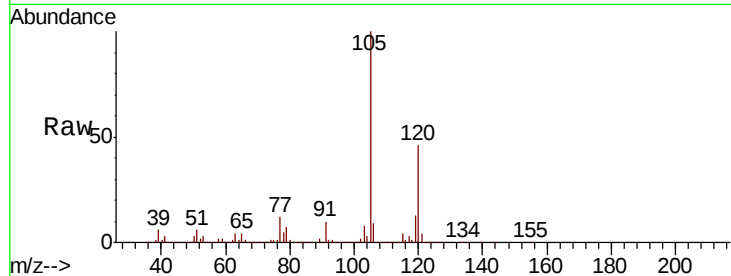




#84
1,2,4-Trimethylbenzene
Concen: 237.216 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX005066.D
Acq: 05 Oct 2018 13:25

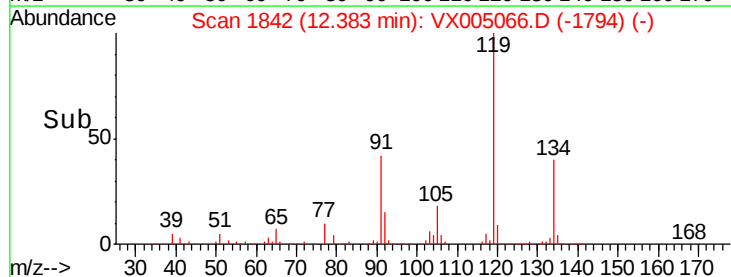
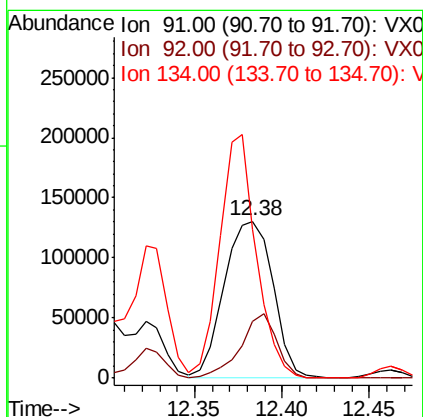
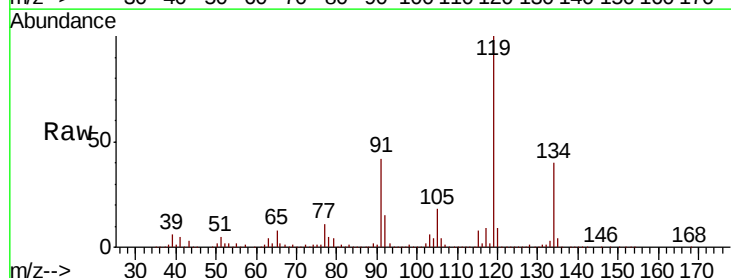
Instrument :
MSVOA_X
ClientSampled :
N48719DL2

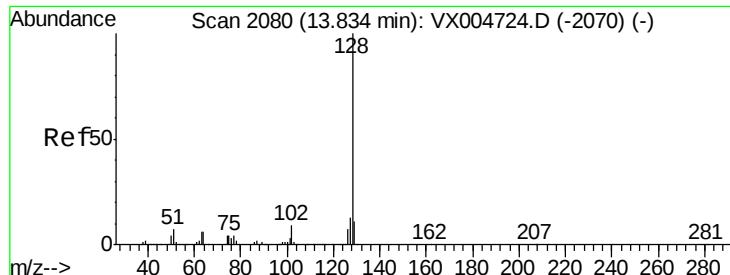
Tot Ion:105 Resp: 2868946
Ion Ratio Lower Upper
105 100
120 45.6 22.8 68.3



#89
n-Butylbenzene
Concen: 23.615 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX005066.D
Acq: 05 Oct 2018 13:25

Tgt Ion: 91 Resp: 250121
Ion Ratio Lower Upper
91 100
92 31.2 26.0 78.0
134 117.2 13.2 39.6#





#95

Naphthalene

Concen: 72.399 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005066.D

Acq: 05 Oct 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

N48719DL2

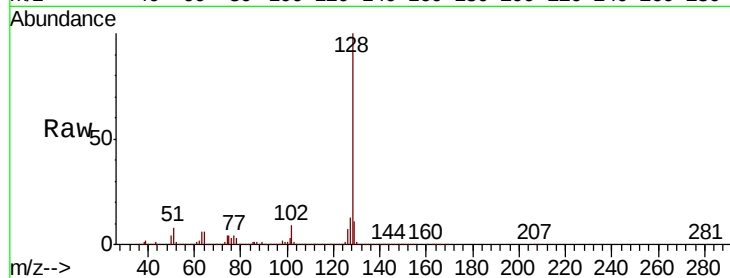
Tot Ion:128 Resp: 1231877

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.0 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

