

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004708.D
 Acq On : 19 Sep 2018 16:19
 Operator : JC/MD
 Sample : J4973-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-0918-S-TCLP-GRID56-1

Quant Time: Sep 20 04:23:25 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	5.66	168	209643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	323997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	308084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173766	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	129627	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
35) Dibromofluoromethane	5.50	113	120069	40.50	ug/l	0.00
Spiked Amount			Recovery	=	81.00%	
50) Toluene-d8	8.72	98	453961	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	
62) 4-Bromofluorobenzene	11.14	95	166604	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	

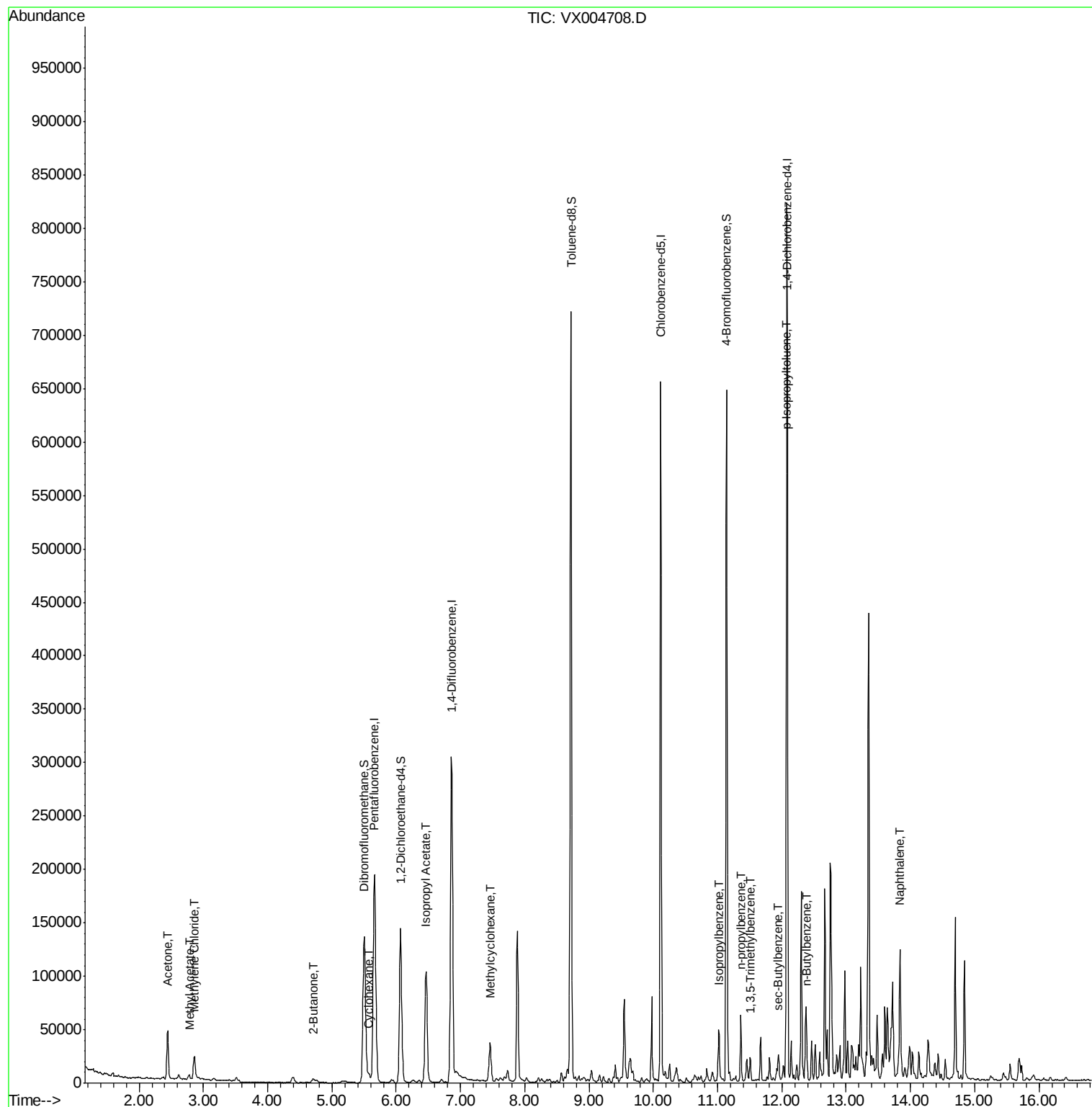
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	48510	36.77	ug/l	98
18) Methyl Acetate	2.78	43	5490	1.48	ug/l	96
20) Methylene Chloride	2.86	84	10411	3.85	ug/l	97
25) 2-Butanone	4.71	43	7276	3.47	ug/l	97
31) Cyclohexane	5.57	56	5323	1.36	ug/l	92
39) Methylcyclohexane	7.46	83	15533	3.78	ug/l	96
43) Isopropyl Acetate	6.46	43	133271	22.43	ug/l	99
73) Isopropylbenzene	11.02	105	24478	2.14	ug/l	97
78) n-propylbenzene	11.36	91	38388	2.92	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	9855	1.02	ug/l	97
85) sec-Butylbenzene	11.95	105	13305	1.14	ug/l	82
86) p-Isopropyltoluene	12.07	119	13642	1.32	ug/l	95
89) n-Butylbenzene	12.39	91	15127	1.61	ug/l #	51
95) Naphthalene	13.83	128	73178	6.17	ug/l #	95

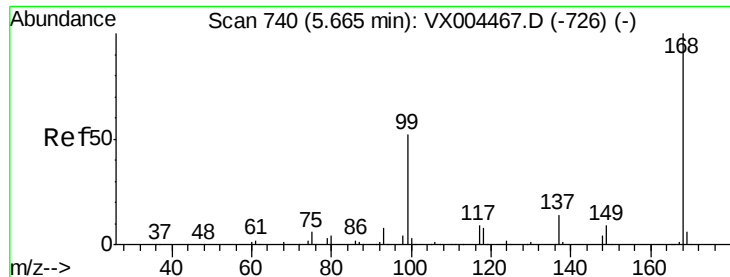
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 04:23:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004708.D

Acq: 19 Sep 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

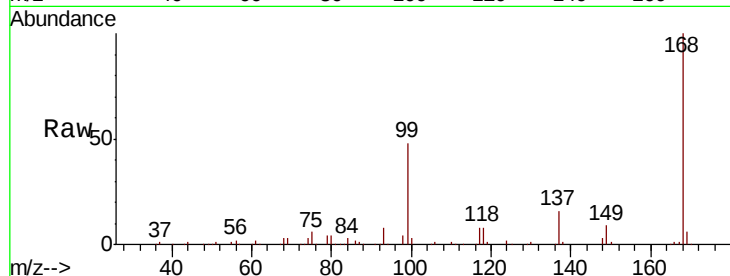
CB-0918-S-TCLP-GRID56-1

Tot Ion:168 Resp: 209643

Ion Ratio Lower Upper

168 100

99 48.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

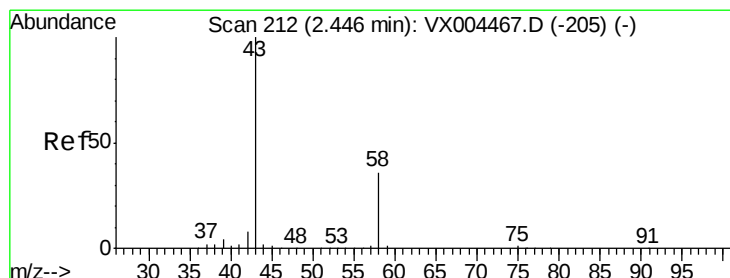
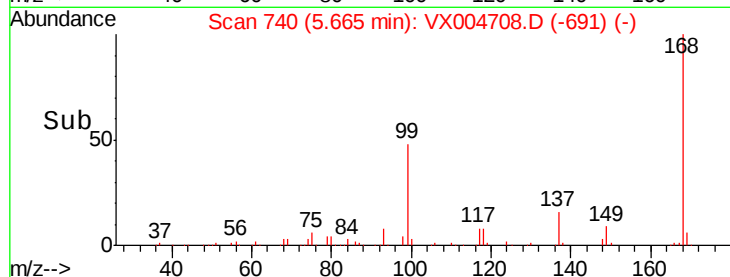
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 36.77 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004708.D

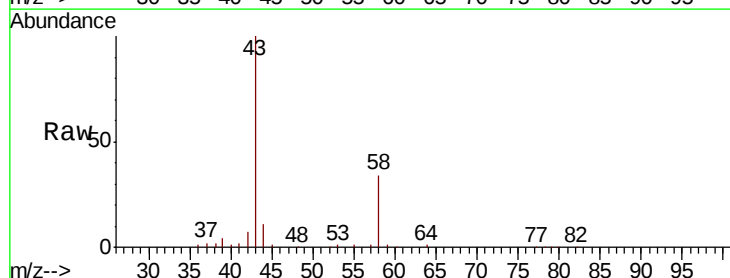
Acq: 19 Sep 2018 16:19

Tgt Ion: 43 Resp: 48510

Ion Ratio Lower Upper

43 100

58 34.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

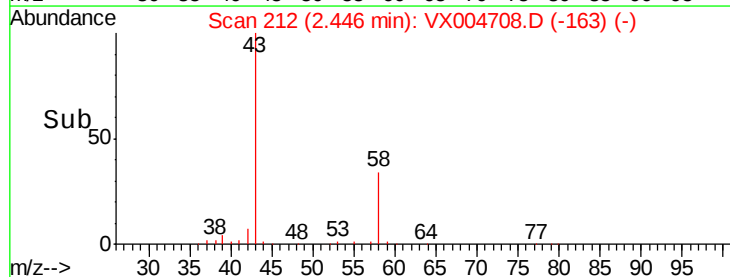
30000

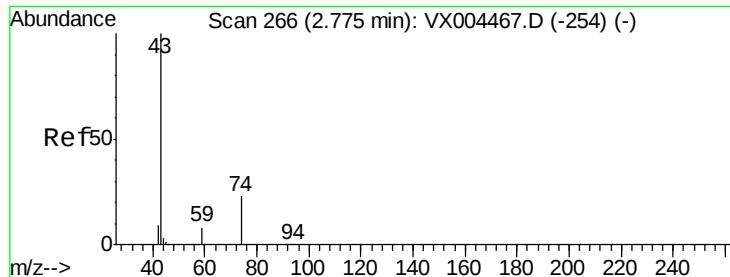
20000

10000

0

Time--> 2.35 2.40 2.45 2.50 2.55

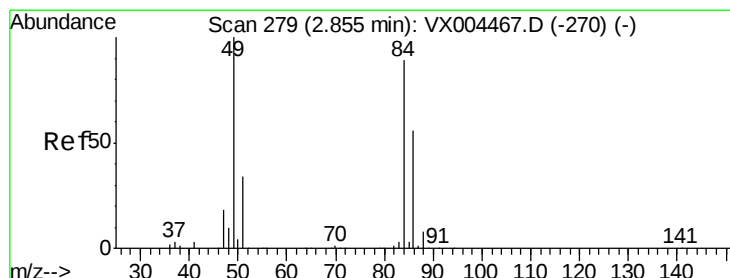
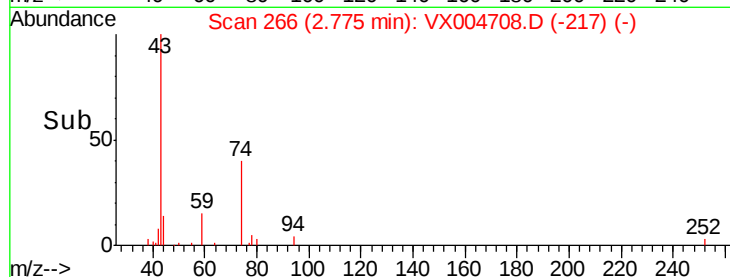
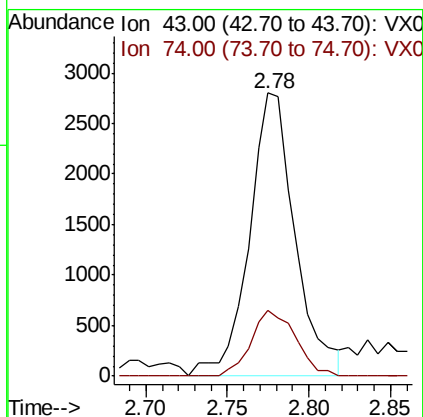
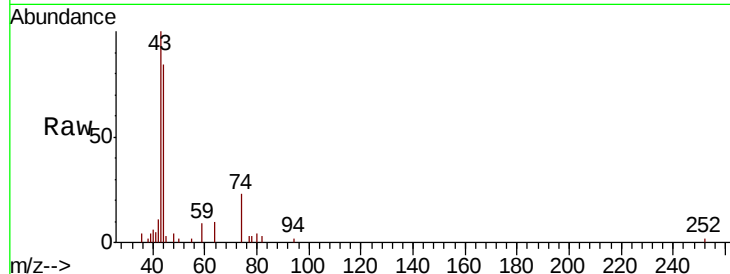




#18
Methvl Acetate
Concen: 1.48 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004708.D
Acq: 19 Sep 2018 16:19

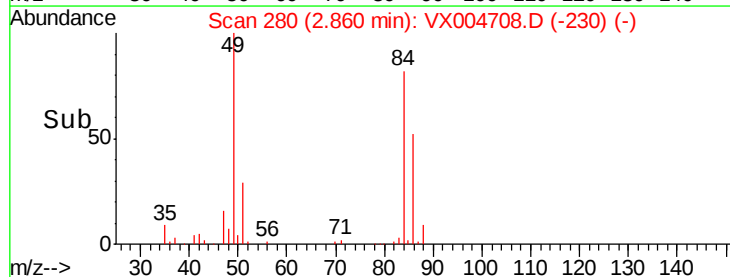
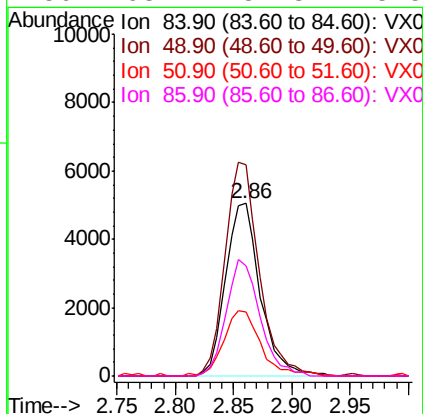
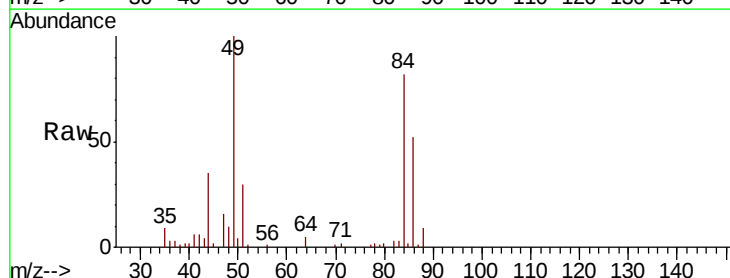
Instrument :
MSVOA_X
ClientSampleId :
CB-0918-S-TCLP-GRID56-1

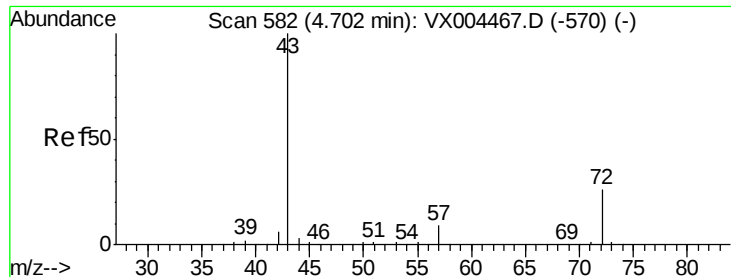
Tot Ion: 43 Resp: 5490
Ion Ratio Lower Upper
43 100
74 22.6 19.4 29.2



#20
Methylene Chloride
Concen: 3.85 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004708.D
Acq: 19 Sep 2018 16:19

Tgt Ion: 84 Resp: 10411
Ion Ratio Lower Upper
84 100
49 122.5 101.2 151.8
51 36.8 29.5 44.3
86 63.7 52.3 78.5





#25

2-Butanone

Concen: 3.47 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004708.D

Acq: 19 Sep 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

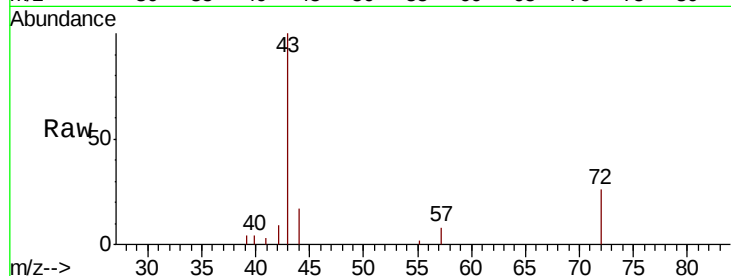
CB-0918-S-TCLP-GRID56-1

Tot Ion: 43 Resp: 7276

Ion Ratio Lower Upper

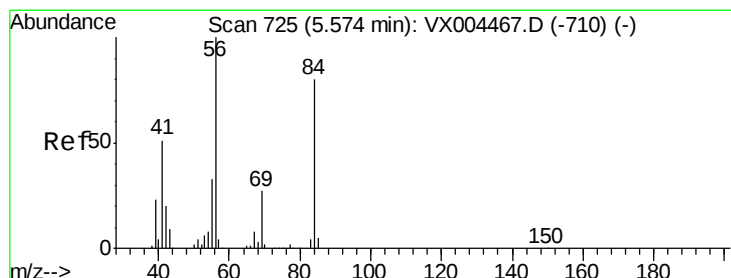
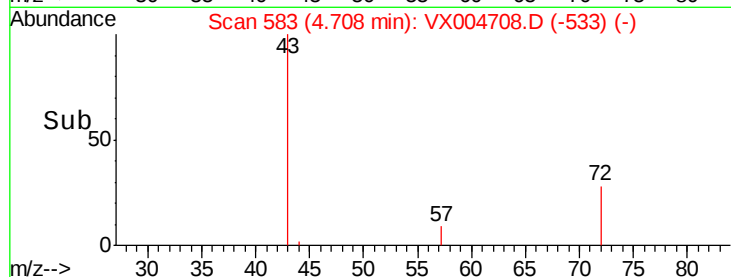
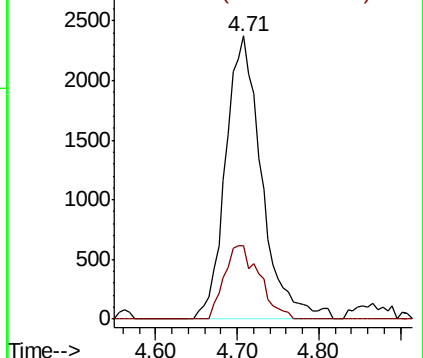
43 100

72 25.9 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.36 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004708.D

Acq: 19 Sep 2018 16:19

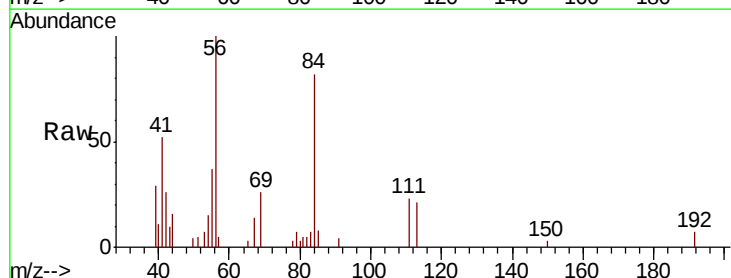
Tgt Ion: 56 Resp: 5323

Ion Ratio Lower Upper

56 100

69 25.6 25.4 38.2

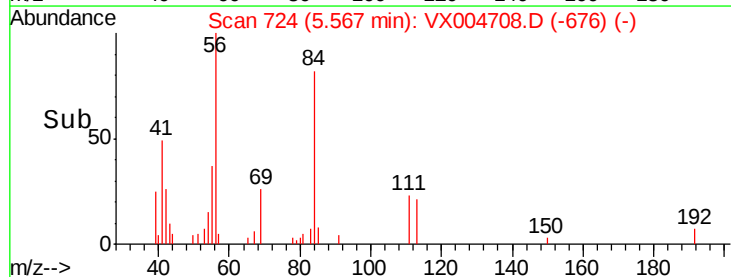
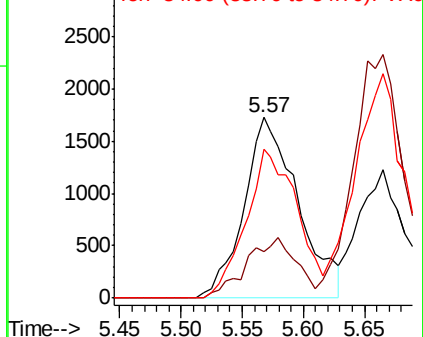
84 82.4 71.4 107.2

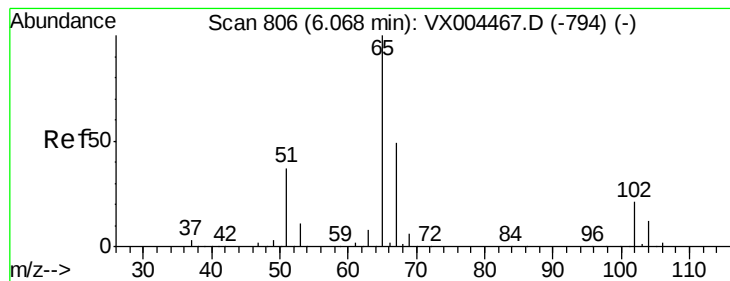


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.95 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004708.D

Acq: 19 Sep 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

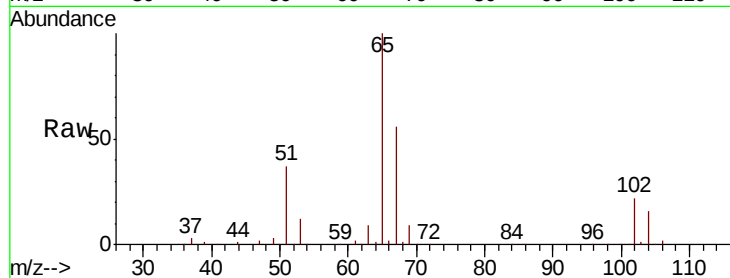
CB-0918-S-TCLP-GRID56-1

Tot Ion: 65 Resp: 129627

Ion Ratio Lower Upper

65 100

67 55.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

50000

40000

30000

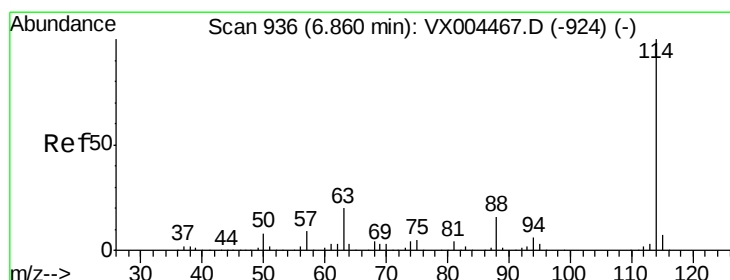
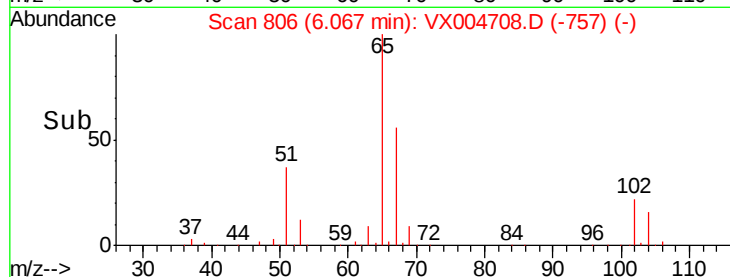
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004708.D

Acq: 19 Sep 2018 16:19

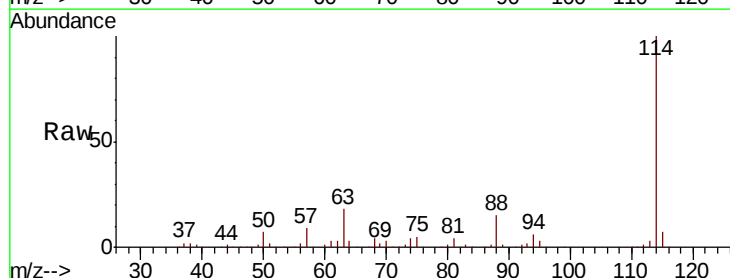
Tgt Ion: 114 Resp: 323997

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.0

88 15.1 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

6.86

150000

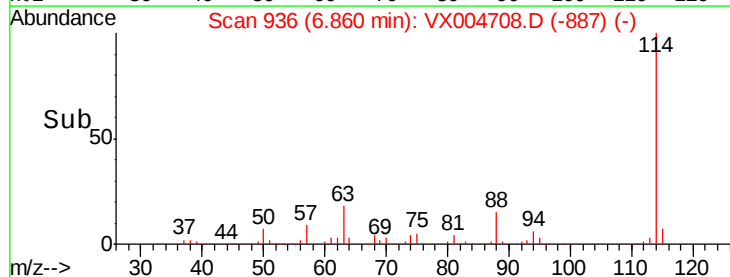
100000

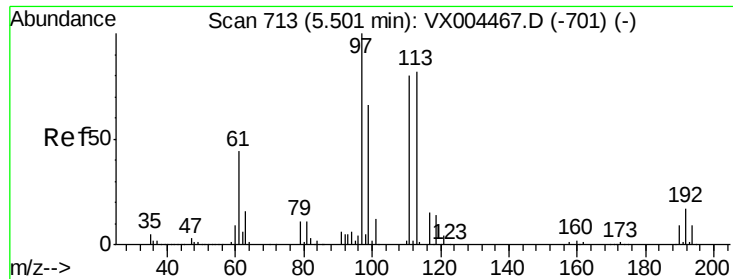
50000

0

6.80 6.90 7.00

Time-->

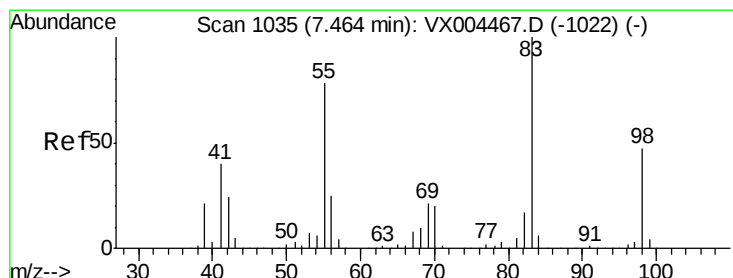
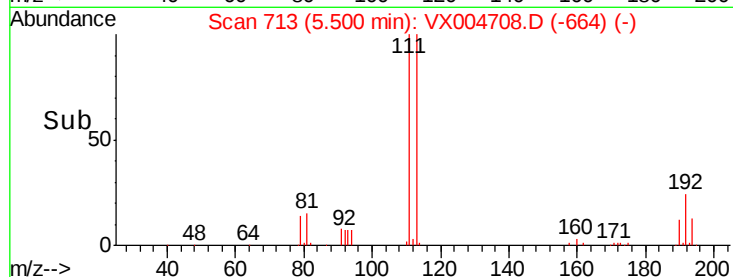
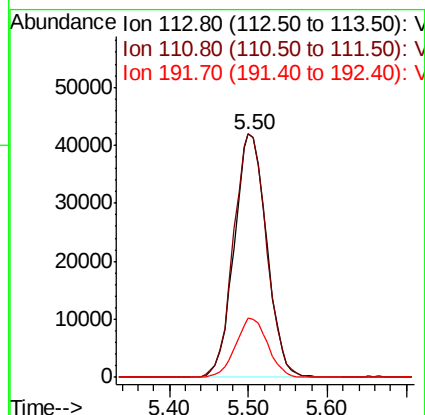
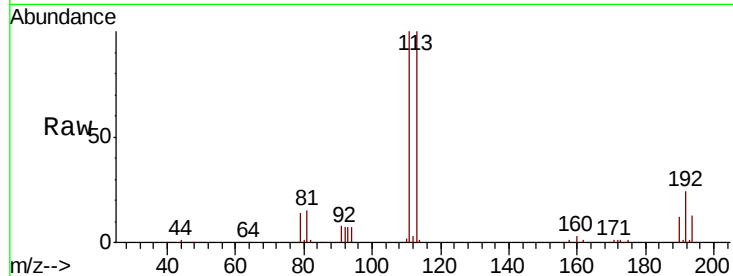




#35
 Dibromofluoromethane
 Concen: 40.50 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004708.D
 Acq: 19 Sep 2018 16:19

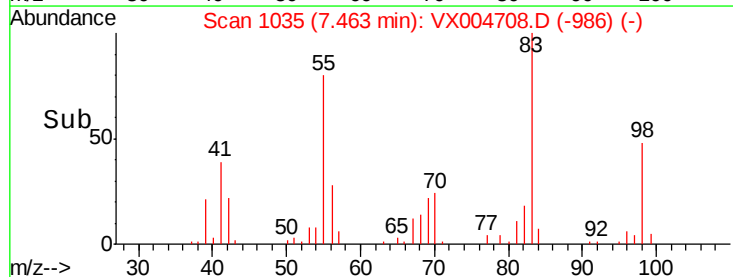
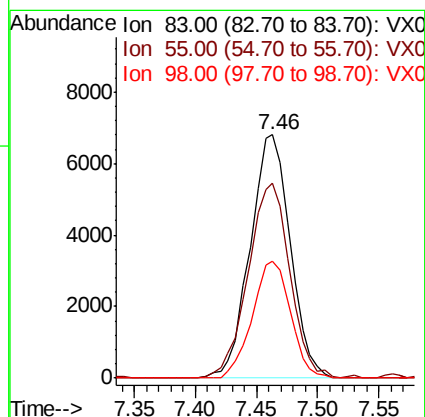
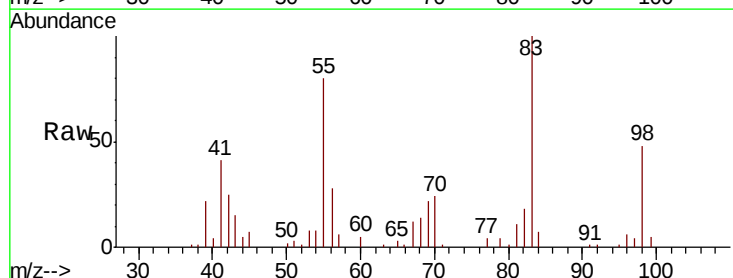
Instrument :
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 CB-0918-S-TCLP-GRID56-1

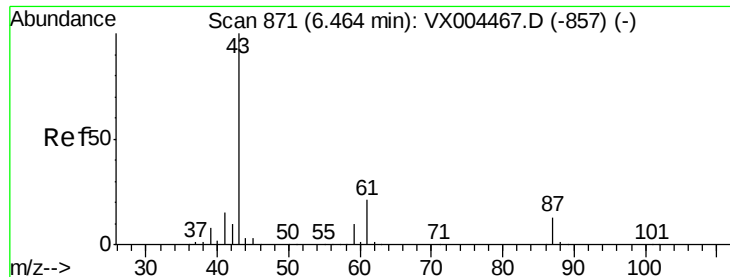
Tot Ion:113 Resp: 120069
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.4 123.6
 192 24.0 19.4 29.2



#39
 Methylcyclohexane
 Concen: 3.78 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX004708.D
 Acq: 19 Sep 2018 16:19

Tgt Ion: 83 Resp: 15533
 Ion Ratio Lower Upper
 83 100
 55 80.2 61.0 91.4
 98 48.2 39.6 59.4



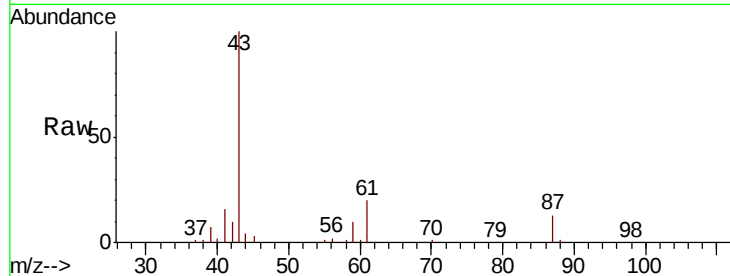


#43

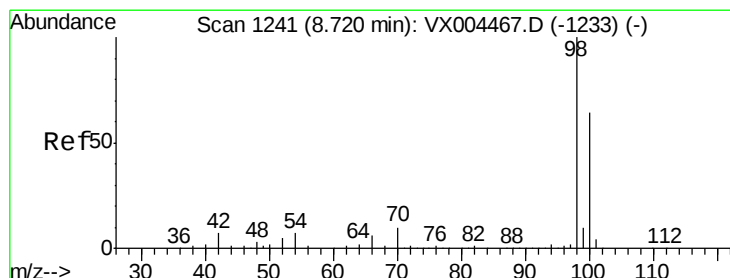
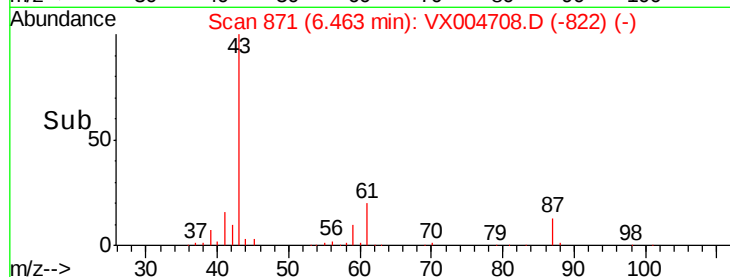
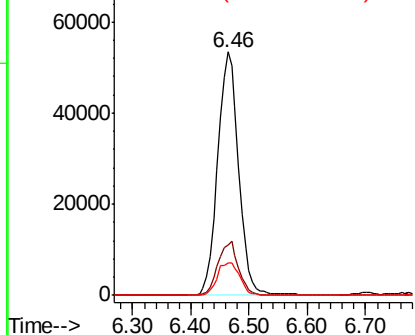
Isopropyl Acetate
 Concen: 22.43 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004708.D
 Acq: 19 Sep 2018 16:19

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-0918-S-TCLP-GRID56-1

Tot Ion: 43 Resp: 133271
 Ion Ratio Lower Upper
 43 100
 61 21.7 17.0 25.4
 87 14.5 11.4 17.2



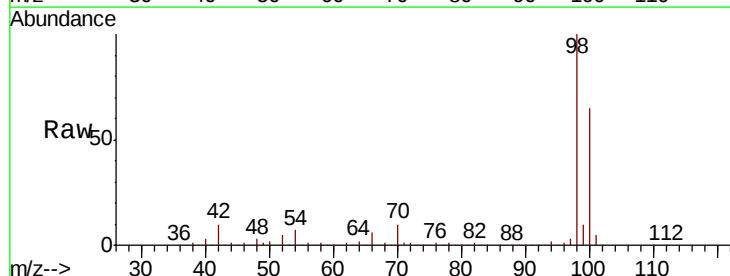
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



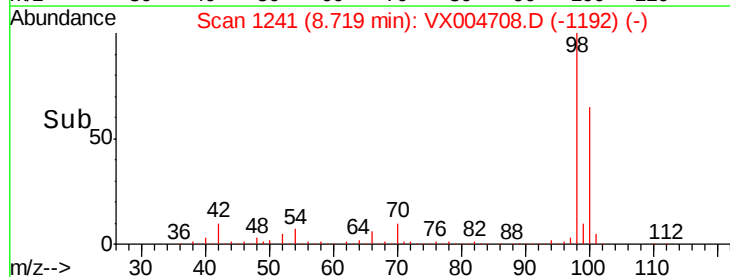
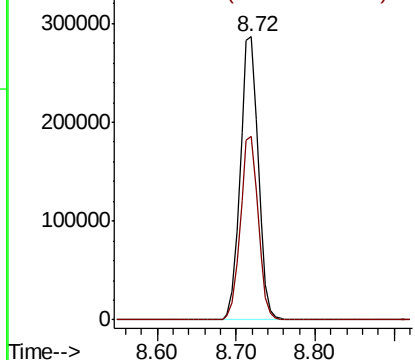
#50

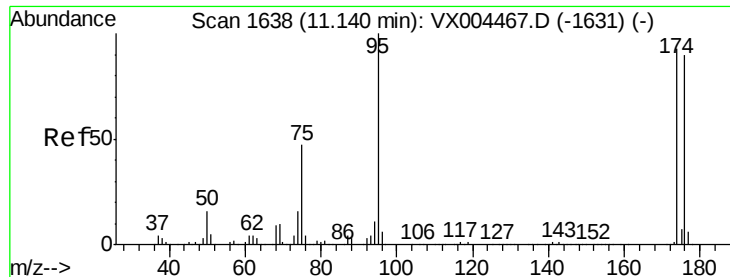
Toluene-d8
 Concen: 45.66 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VX004708.D
 Acq: 19 Sep 2018 16:19

Tgt Ion: 98 Resp: 453961
 Ion Ratio Lower Upper
 98 100
 100 64.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

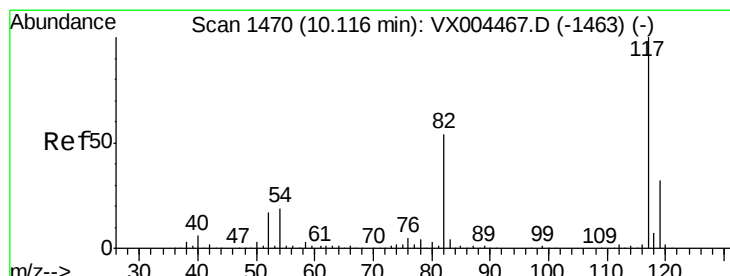
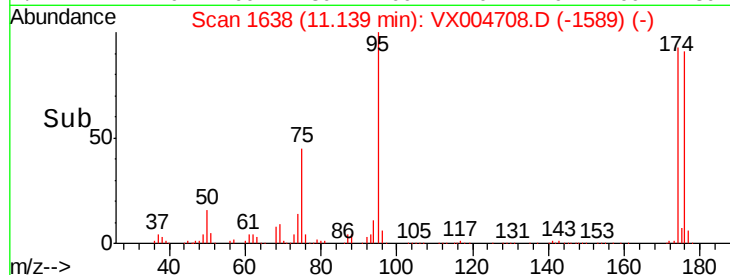
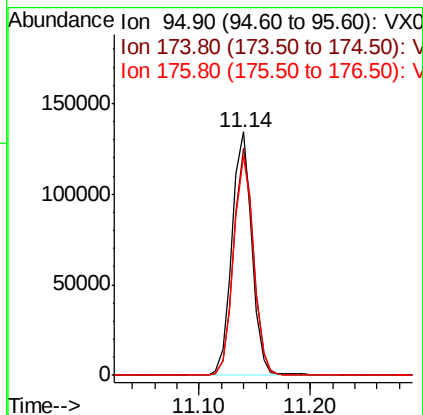
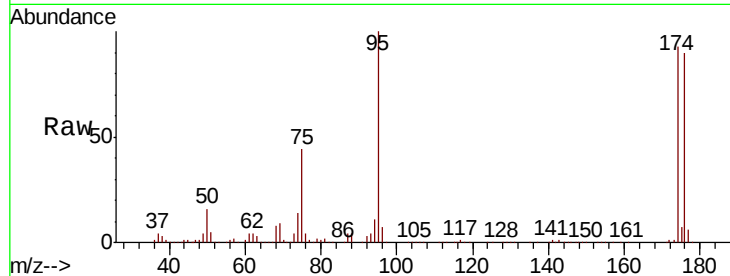




#62
4-Bromofluorobenzene
Concen: 46.94 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004708.D
Acq: 19 Sep 2018 16:19

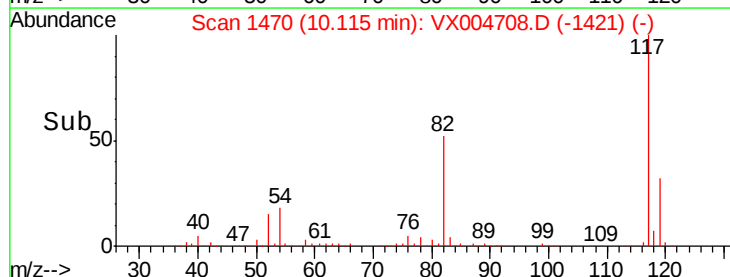
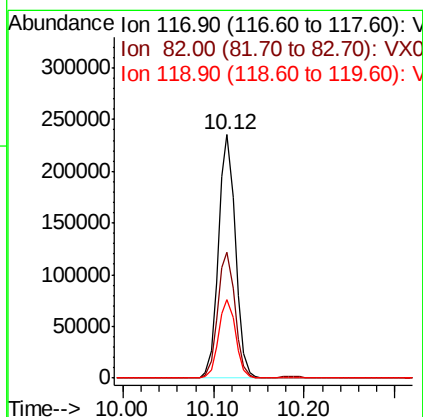
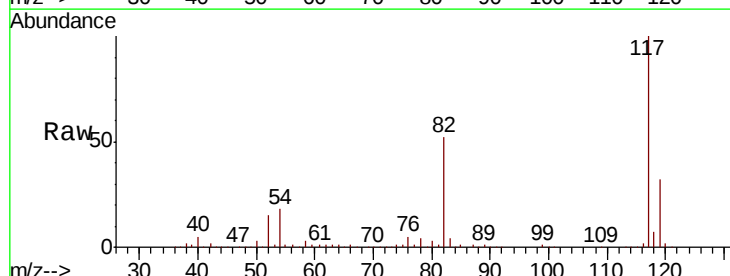
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MSVOA_X
ClientSampleId :
CB-0918-S-TCLP-GRID56-1

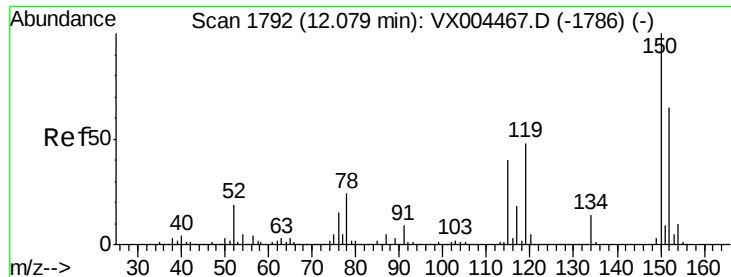
Tot Ion: 95 Resp: 166604
Ion Ratio Lower Upper
95 100
174 93.0 0.0 185.2
176 90.0 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004708.D
Acq: 19 Sep 2018 16:19

Tgt Ion: 117 Resp: 308084
Ion Ratio Lower Upper
117 100
82 51.9 47.8 71.6
119 32.1 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004708.D

Acq: 19 Sep 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

CB-0918-S-TCLP-GRID56-1

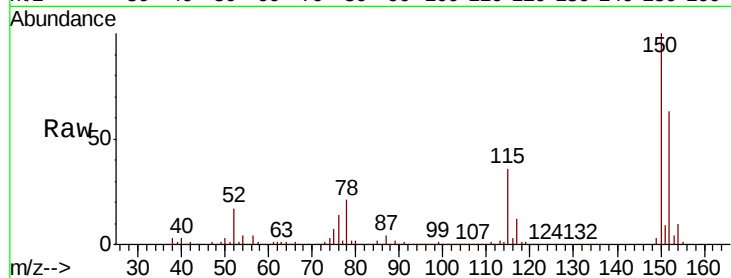
Tot Ion:152 Resp: 173766

Ion Ratio Lower Upper

152 100

115 54.6 39.0 117.0

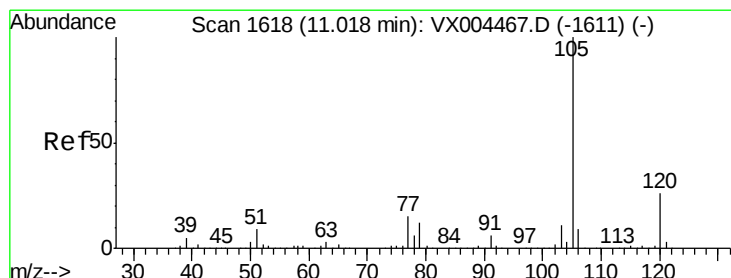
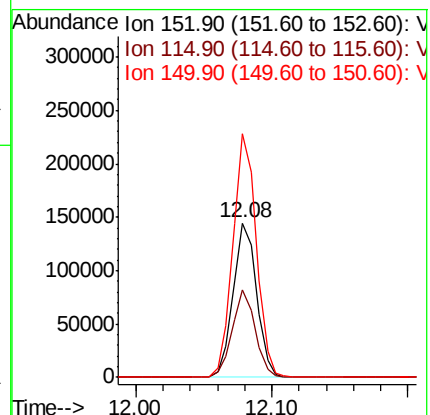
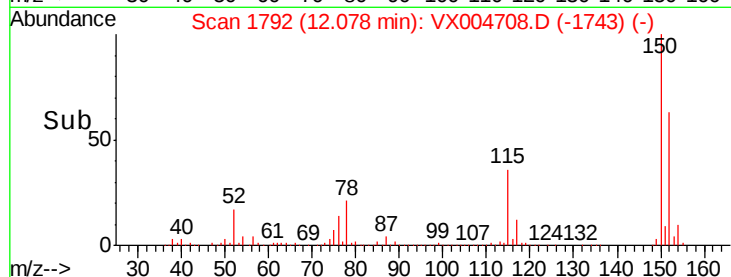
150 156.9 0.0 351.0



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: 2.14 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004708.D

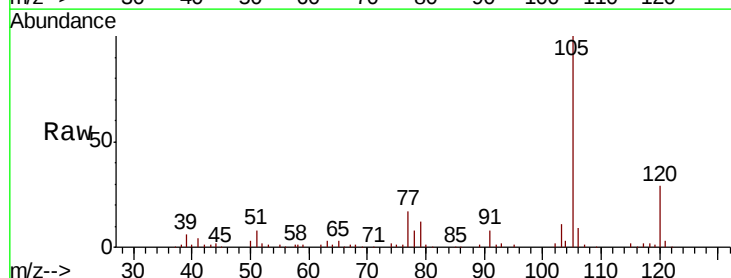
Acq: 19 Sep 2018 16:19

Tgt Ion:105 Resp: 24478

Ion Ratio Lower Upper

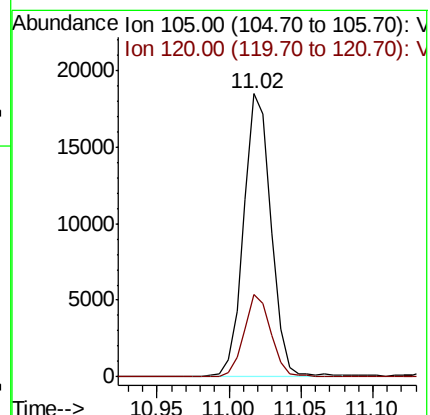
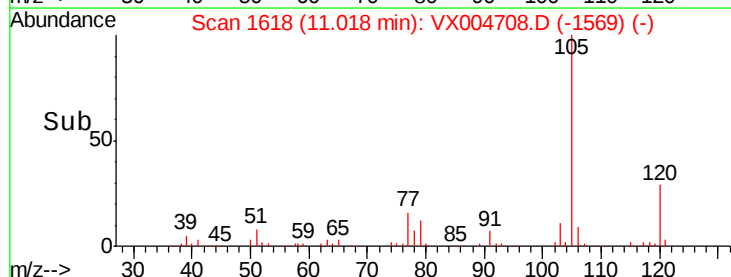
105 100

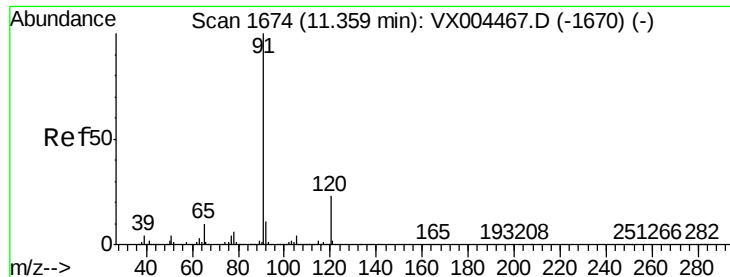
120 28.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.92 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004708.D

Acq: 19 Sep 2018 16:19

Instrument :

MSVOA_X

ClientSampleId :

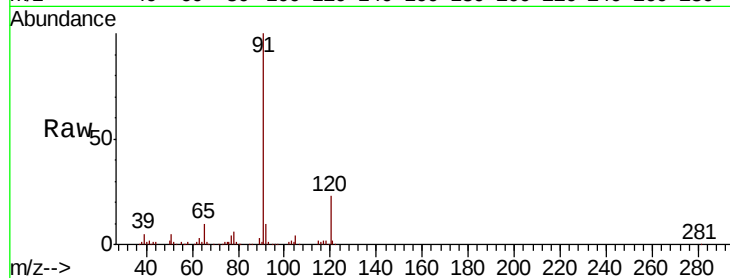
CB-0918-S-TCLP-GRID56-1

Tot Ion: 91 Resp: 38388

Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1670) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1670) (-)

11.36

30000

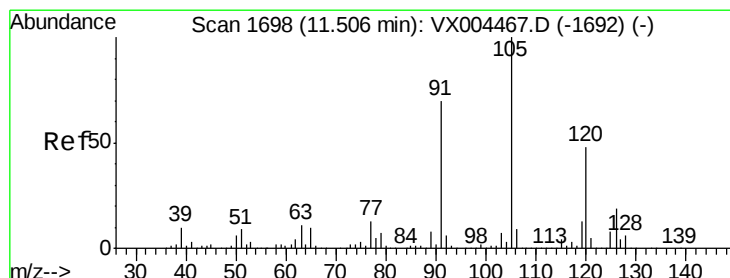
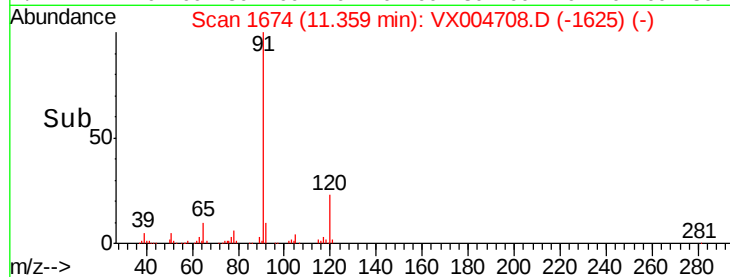
20000

10000

0

11.30 11.35 11.40

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.02 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004708.D

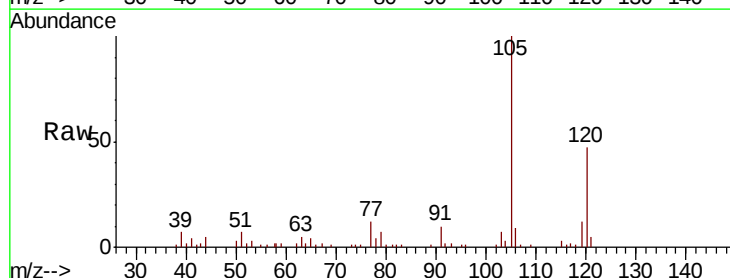
Acq: 19 Sep 2018 16:19

Tgt Ion: 105 Resp: 9855

Ion Ratio Lower Upper

105 100

120 49.3 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)

11.51

15000

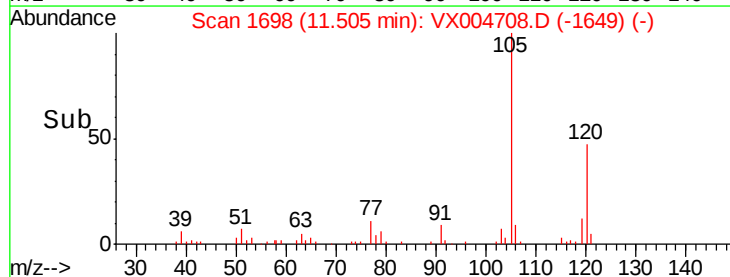
10000

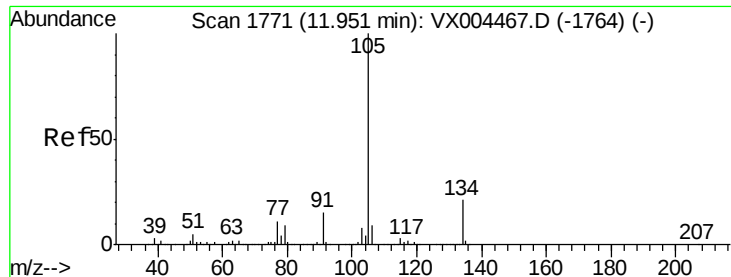
5000

0

11.50 11.55 11.60

Time-->

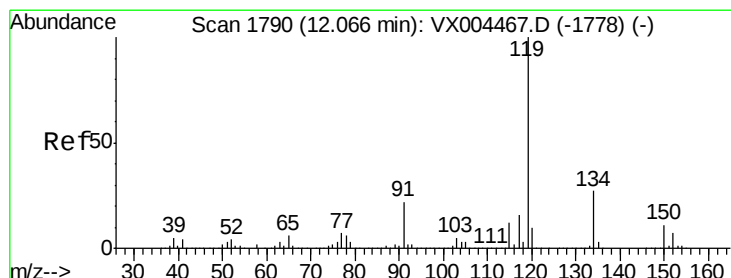
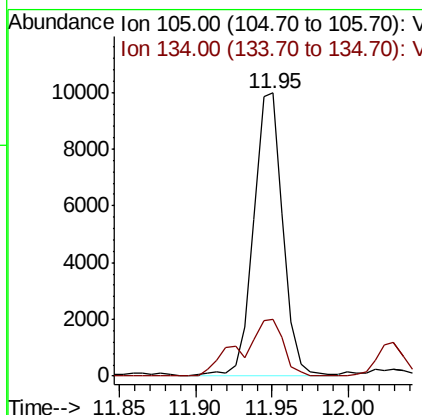
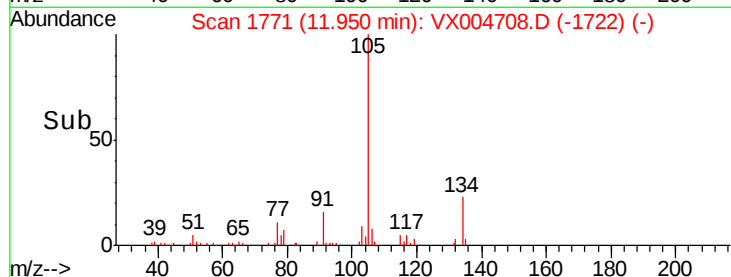
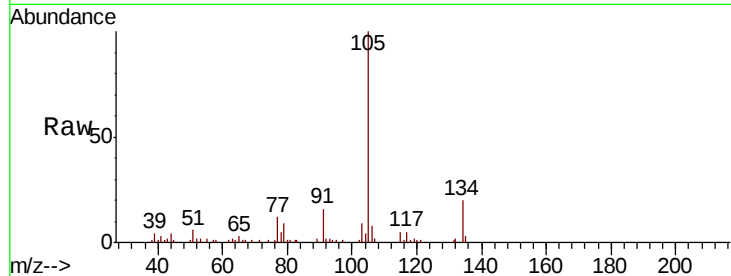




#85
 sec-Butylbenzene
 Concen: 1.14 ug/l
 RT: 11.95 min Scan# 1771
 Delta R.T. -0.00 min
 Lab File: VX004708.D
 Acq: 19 Sep 2018 16:19

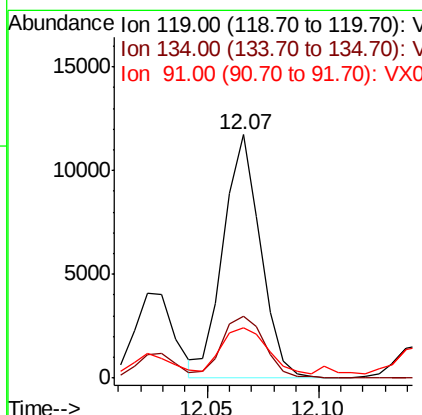
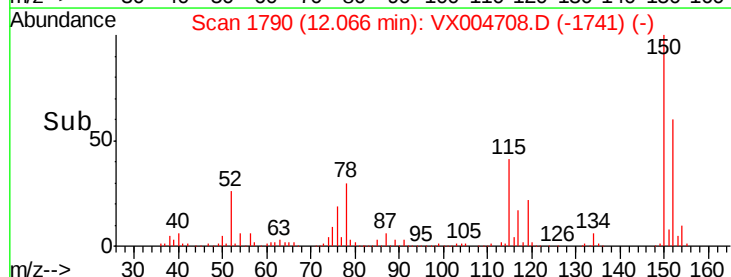
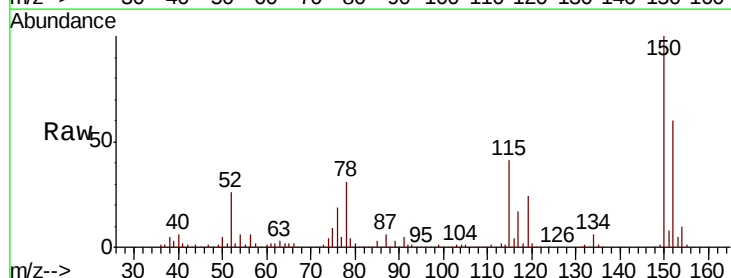
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-0918-S-TCLP-GRID56-1

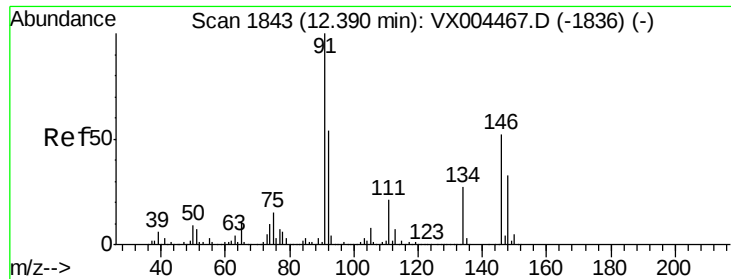
Tot Ion:105 Resp: 13305
 Ion Ratio Lower Upper
 105 100
 134 29.2 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 1.32 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004708.D
 Acq: 19 Sep 2018 16:19

Tgt Ion:119 Resp: 13642
 Ion Ratio Lower Upper
 119 100
 134 29.4 13.4 40.2
 91 23.9 10.9 32.7

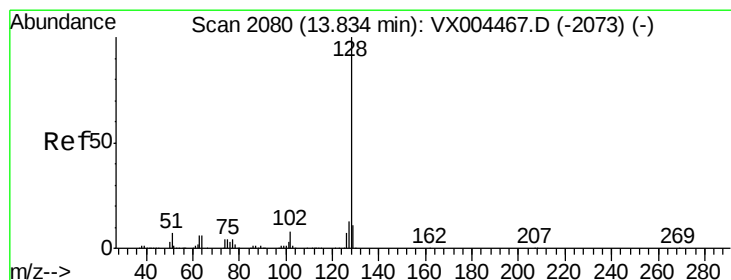
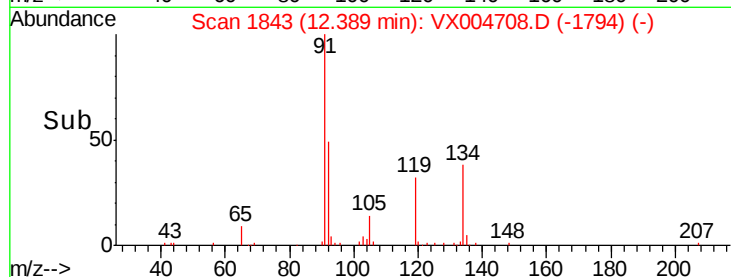
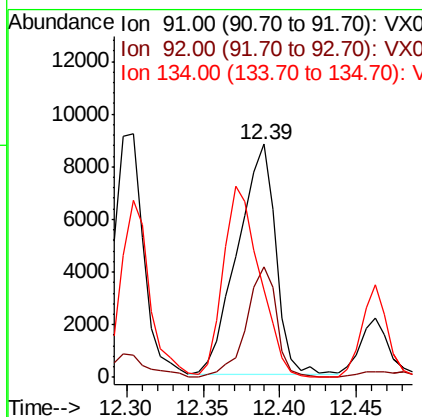
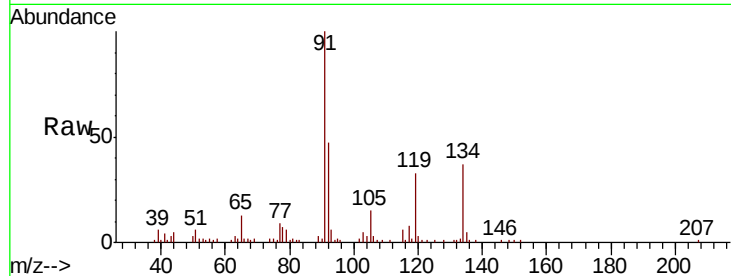




#89
n-Butylbenzene
Concen: 1.61 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004708.D
Acq: 19 Sep 2018 16:19

Instrument :
MSVOA_X
ClientSampleId :
CB-0918-S-TCLP-GRID56-1

Tot Ion: 91 Resp: 15127
Ion Ratio Lower Upper
91 100
92 38.1 27.3 81.9
134 79.3 13.6 40.7#



#95
Naphthalene
Concen: 6.17 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004708.D
Acq: 19 Sep 2018 16:19

Tgt Ion: 128 Resp: 73178
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.2
129 13.8 8.6 12.8#

