

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071718\
 Data File : VX003428.D
 Acq On : 17 Jul 2018 15:27
 Operator : JC/MD
 Sample : J3997-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-H-S

Quant Time: Jul 18 01:22:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	284584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	419067	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	392437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217055	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	175142	46.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.98%	
35) Dibromofluoromethane	5.51	113	162711	47.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.98%	
50) Toluene-d8	8.72	98	585597	46.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.60%	
62) 4-Bromofluorobenzene	11.14	95	205214	45.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.88%	

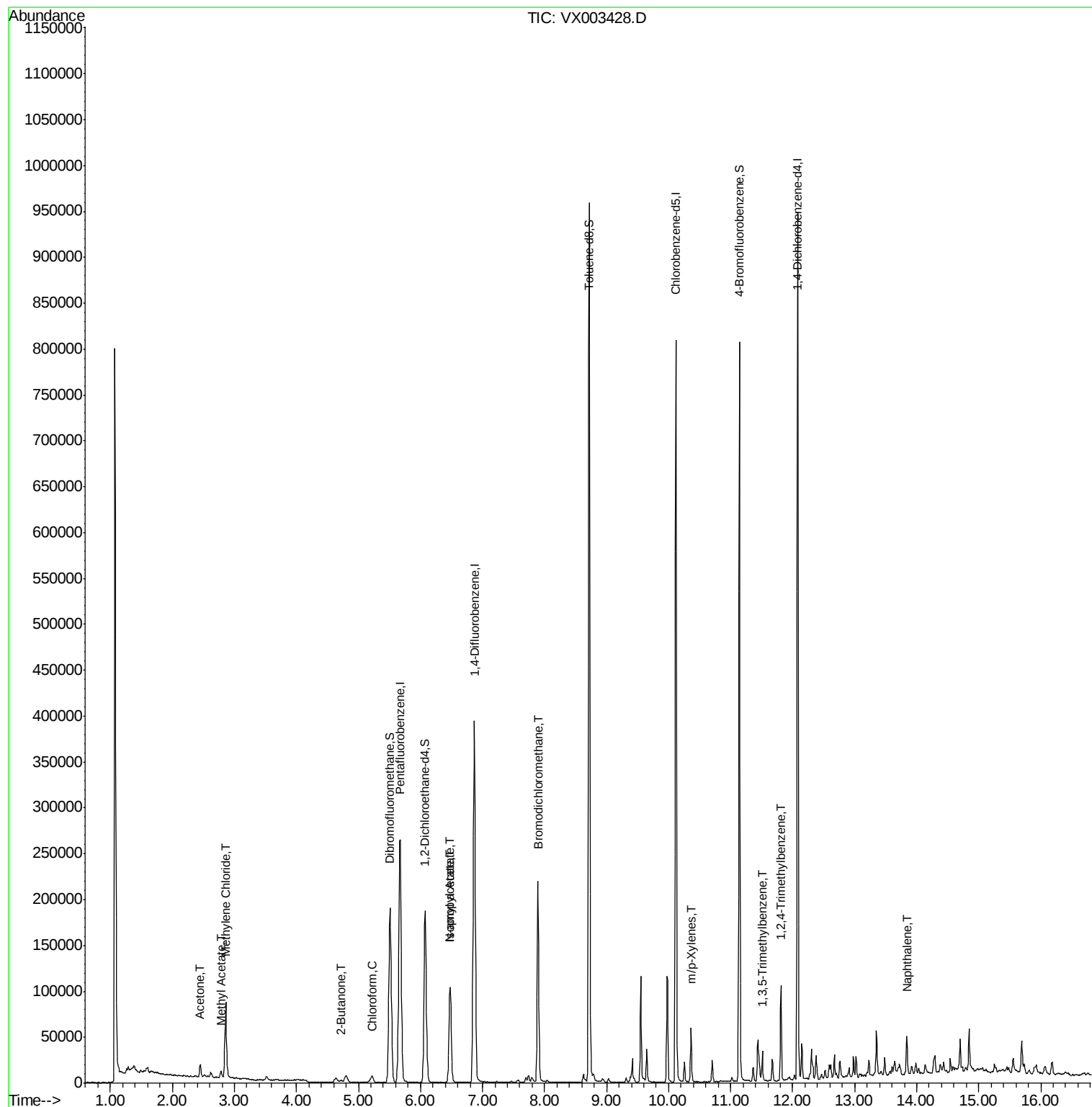
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	14812	9.56	ug/l #	81
18) Methyl Acetate	2.78	43	8332	1.65	ug/l #	89
20) Methylene Chloride	2.86	84	39940	12.24	ug/l	92
25) 2-Butanone	4.72	43	4031	1.66	ug/l #	85
30) Chloroform	5.22	83	7977	1.45	ug/l	90
43) Isopropyl Acetate	6.48	43	136569	18.92	ug/l #	93
47) Bromodichloromethane	7.90	83	2589	0.63	ug/l #	90
68) m/p-Xylenes	10.37	106	14530	2.48	ug/l	97
74) N-amyl acetate	6.48	43	136569	20.43	ug/l #	92
80) 1,3,5-Trimethylbenzene	11.51	105	13925	1.23	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	45196	3.88	ug/l	97
95) Naphthalene	13.84	128	28041	1.97	ug/l	97

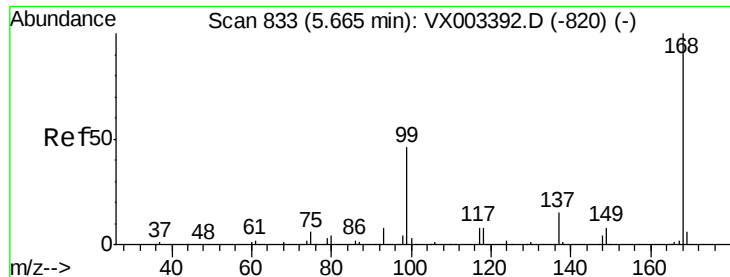
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

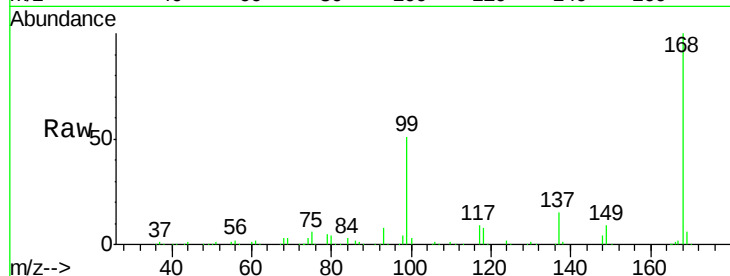
TP-H-S

Tot Ion:168 Resp: 284584

Ion Ratio Lower Upper

168 100

99 51.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

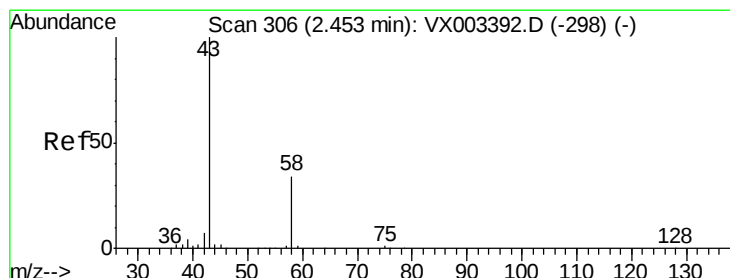
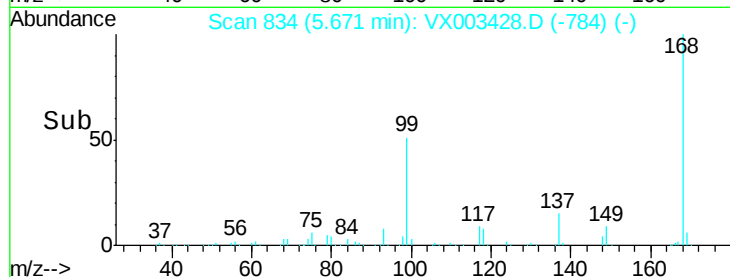
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 9.56 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003428.D

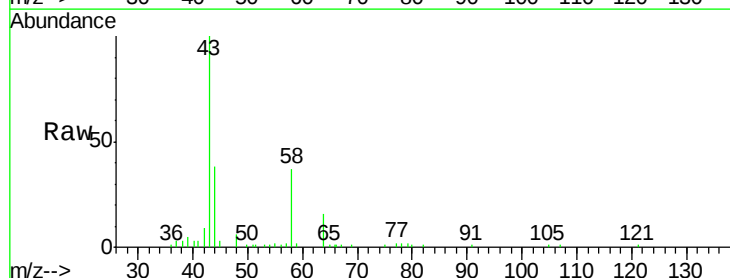
Acq: 17 Jul 2018 15:27

Tgt Ion: 43 Resp: 14812

Ion Ratio Lower Upper

43 100

58 37.5 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

8000

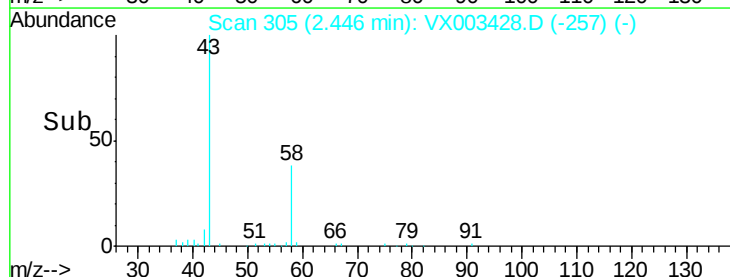
6000

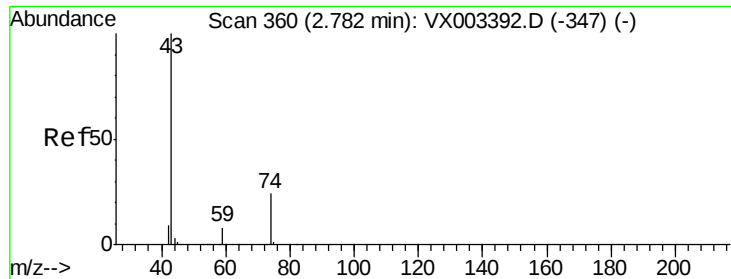
4000

2000

0

Time--> 2.35 2.40 2.45 2.50 2.55

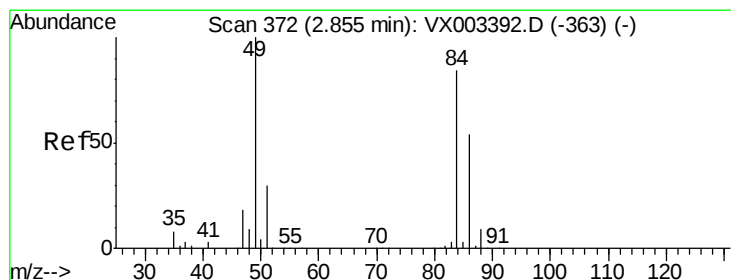
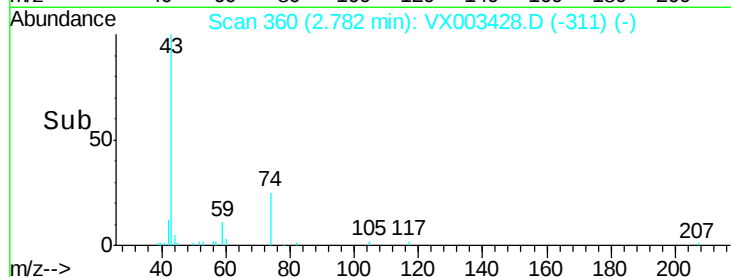
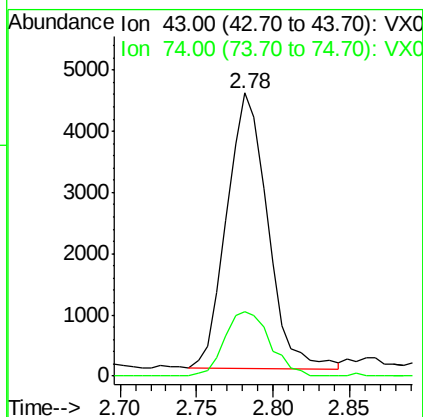
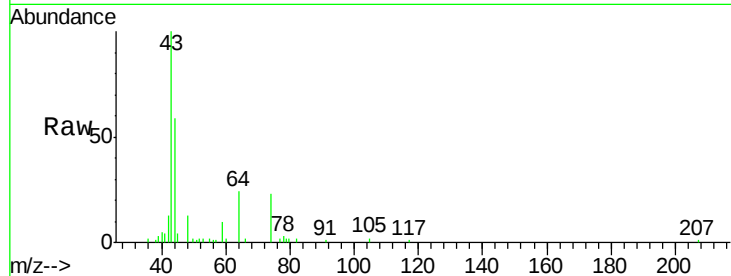




#18
Methvl Acetate
Concen: 1.65 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003428.D
Acq: 17 Jul 2018 15:27

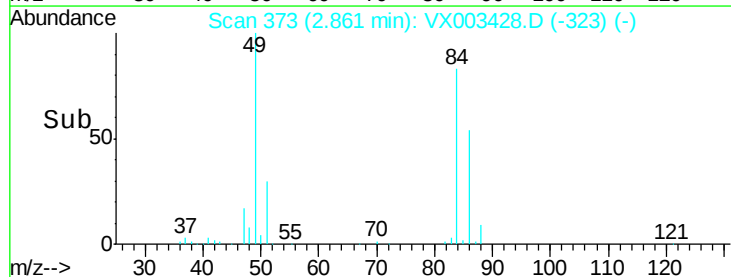
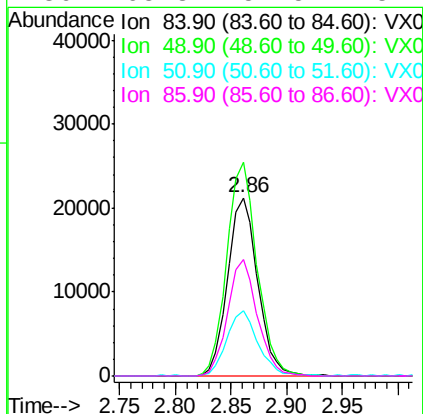
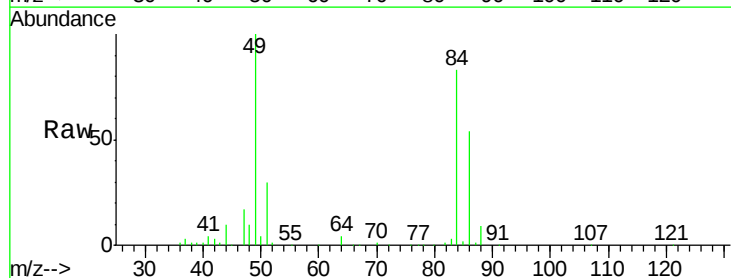
Instrument :
MSVOA_X
ClientSampleId :
TP-H-S

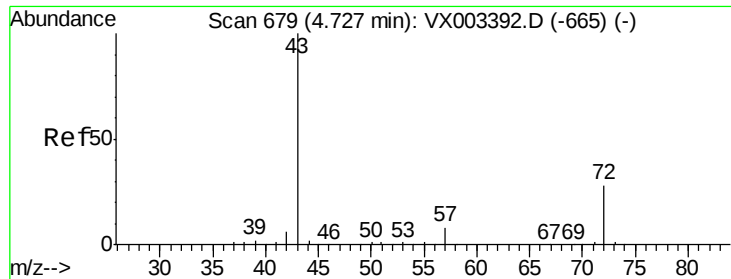
Tot Ion: 43 Resp: 8332
Ion Ratio Lower Upper
43 100
74 26.1 16.7 25.1#



#20
Methylene Chloride
Concen: 12.24 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003428.D
Acq: 17 Jul 2018 15:27

Tgt Ion: 84 Resp: 39940
Ion Ratio Lower Upper
84 100
49 119.7 107.8 161.6
51 36.5 32.8 49.2
86 65.3 52.5 78.7





#25

2-Butanone

Concen: 1.66 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

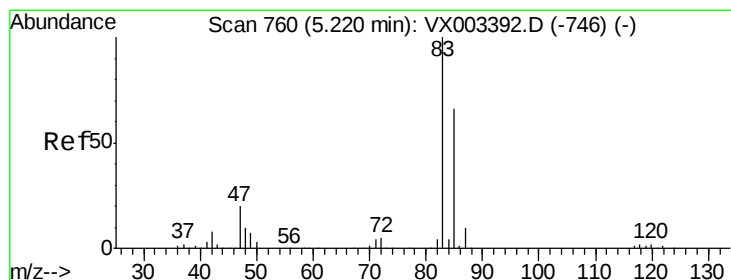
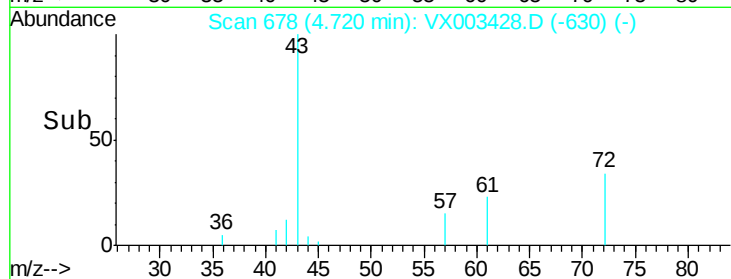
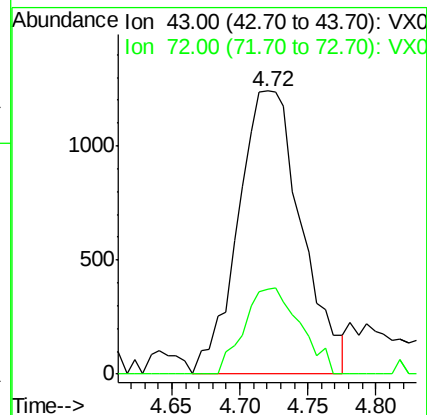
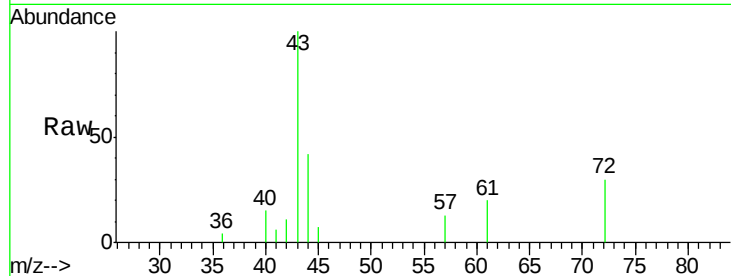
TP-H-S

Tot Ion: 43 Resp: 4031

Ion Ratio Lower Upper

43 100

72 30.2 18.5 27.7#



#30

Chloroform

Concen: 1.45 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX003428.D

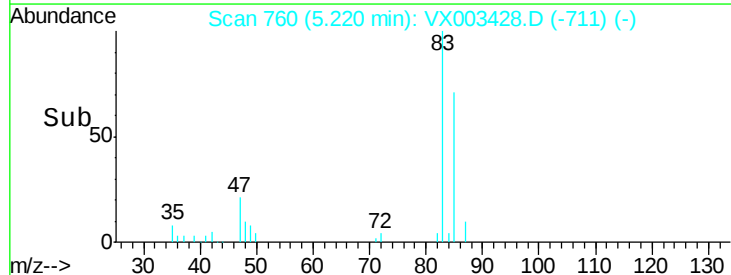
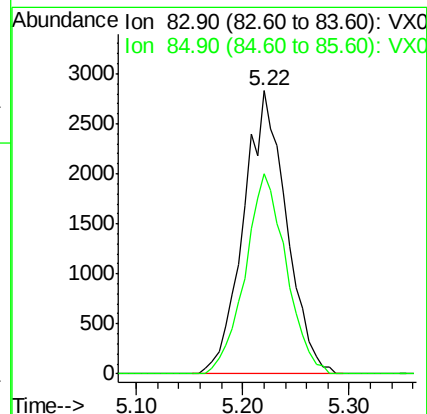
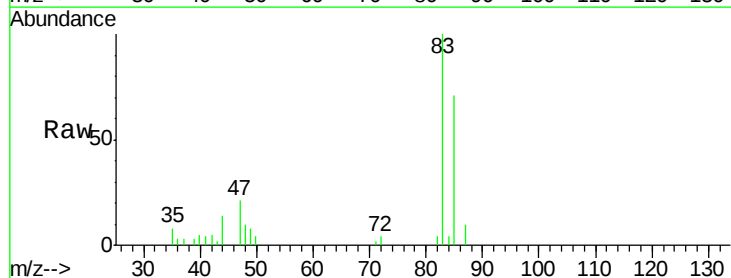
Acq: 17 Jul 2018 15:27

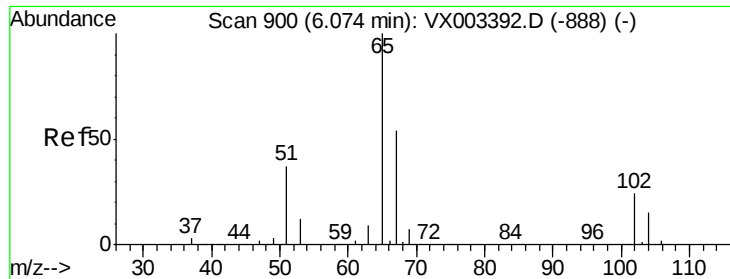
Tgt Ion: 83 Resp: 7977

Ion Ratio Lower Upper

83 100

85 70.7 50.4 75.6





#33

1,2-Dichloroethane-d4

Concen: 46.99 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

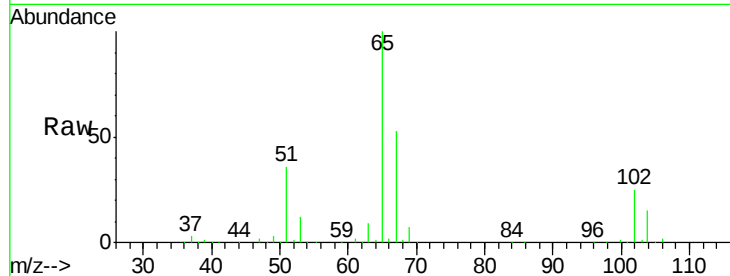
TP-H-S

Tot Ion: 65 Resp: 175142

Ion Ratio Lower Upper

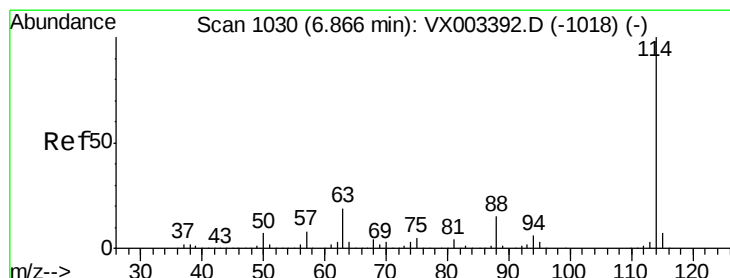
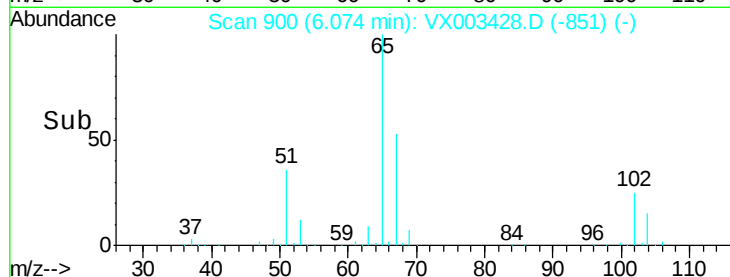
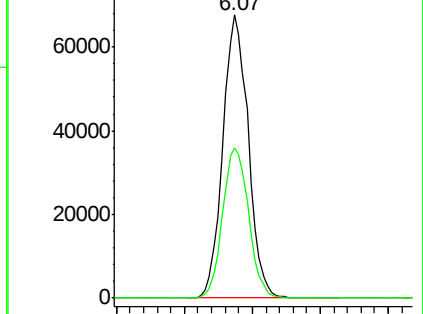
65 100

67 54.0 0.0 102.6



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: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

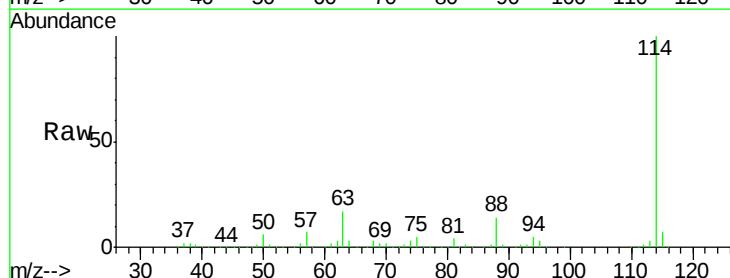
Tgt Ion: 114 Resp: 419067

Ion Ratio Lower Upper

114 100

63 17.1 0.0 41.4

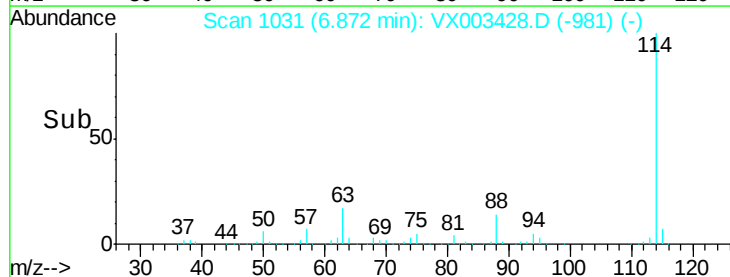
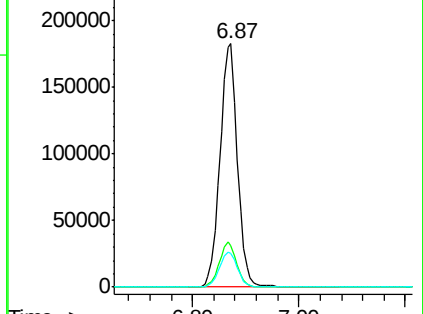
88 13.8 0.0 30.0

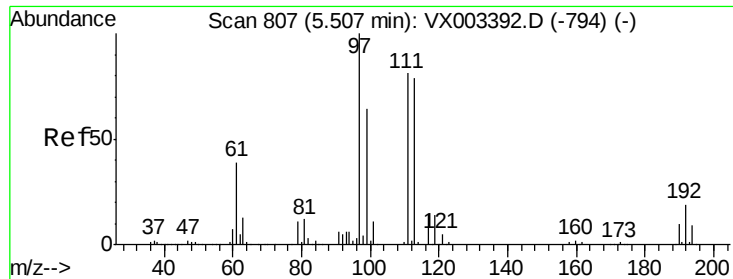


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

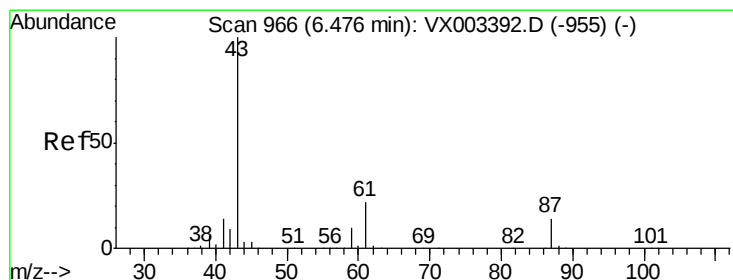
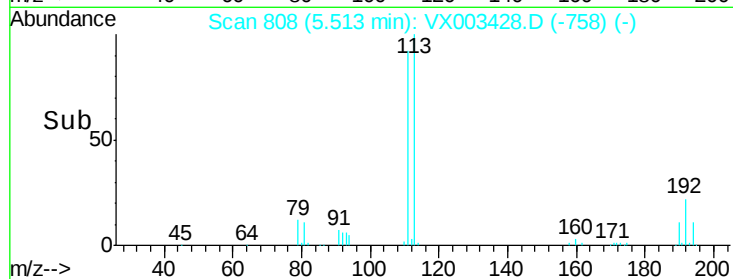
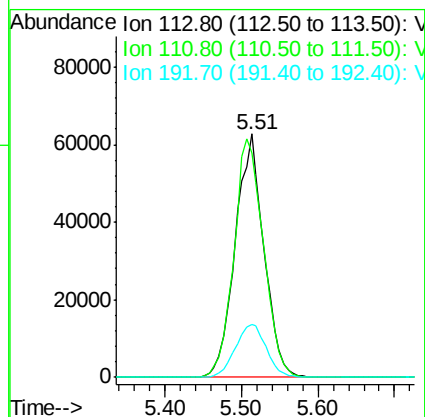
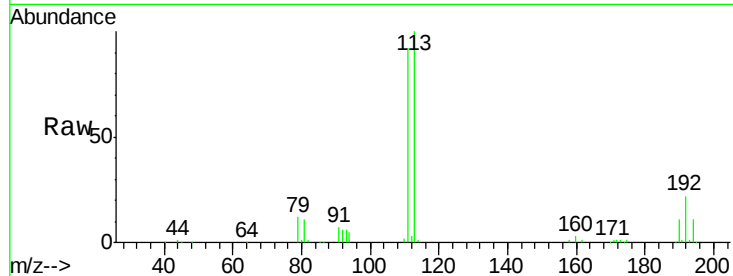




#35
 Dibromofluoromethane
 Concen: 47.99 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003428.D
 Acq: 17 Jul 2018 15:27

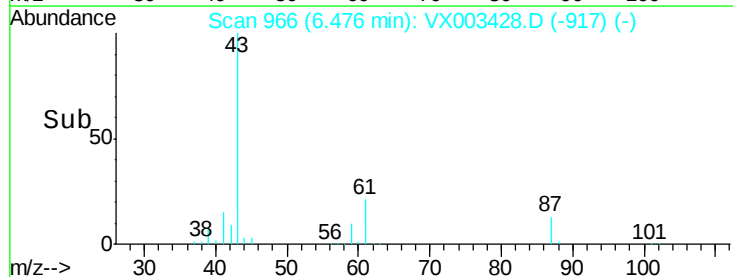
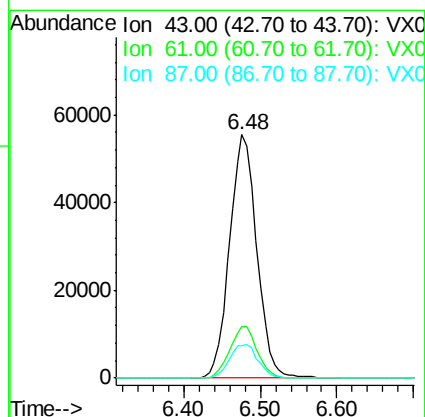
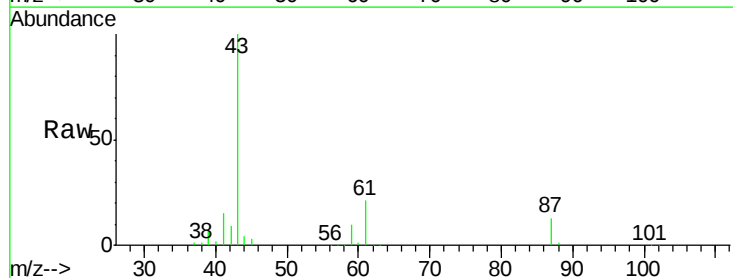
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-H-S

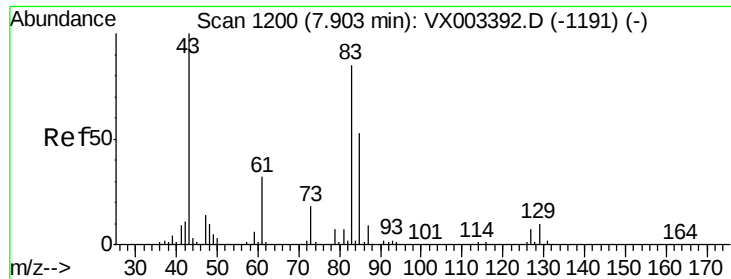
Tot Ion:113 Resp: 162711
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.4 122.0
 192 23.6 19.1 28.7



#43
 Isopropyl Acetate
 Concen: 18.92 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX003428.D
 Acq: 17 Jul 2018 15:27

Tgt Ion: 43 Resp: 136569
 Ion Ratio Lower Upper
 43 100
 61 21.4 14.4 21.6
 87 14.5 9.5 14.3#





#47

Bromodichloromethane

Concen: 0.63 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

TP-H-S

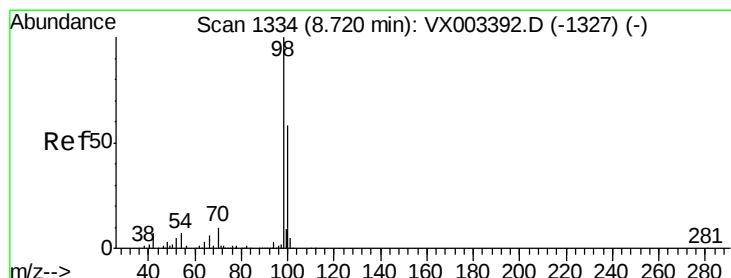
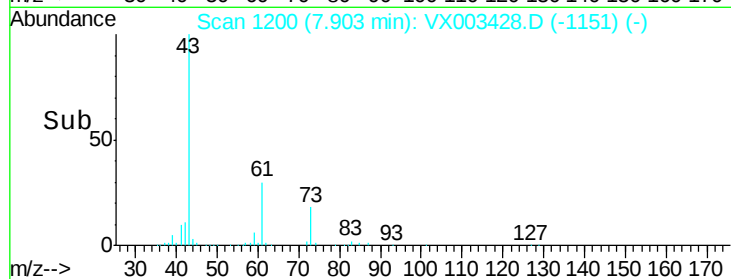
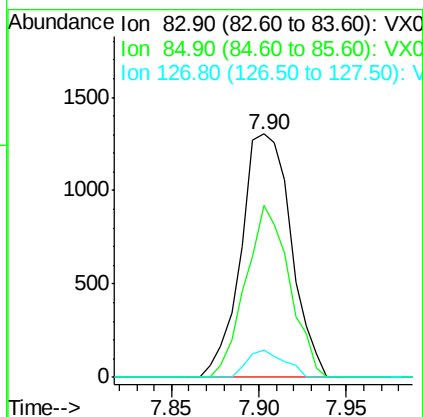
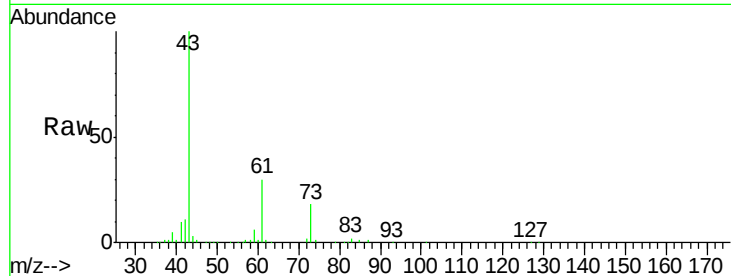
Tot Ion: 83 Resp: 2589

Ion Ratio Lower Upper

83 100

85 70.8 50.3 75.5

127 11.3 7.0 10.4#



#50

Toluene-d8

Concen: 46.80 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003428.D

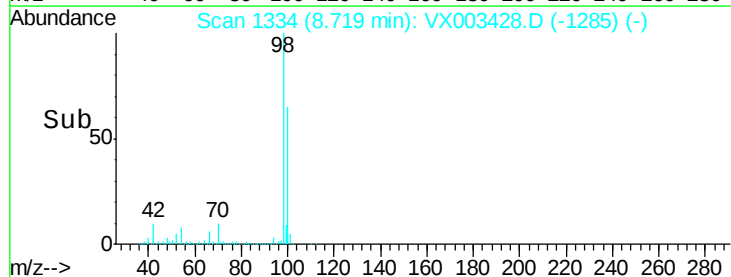
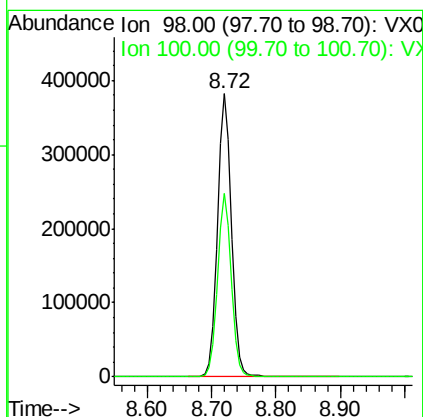
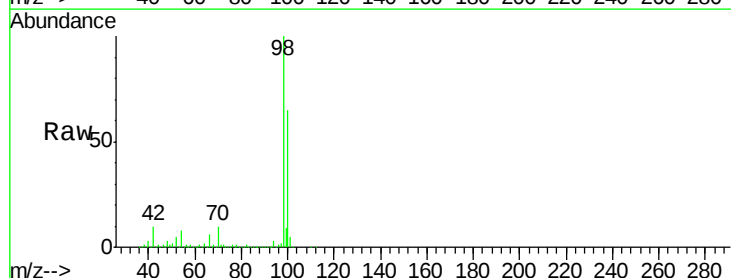
Acq: 17 Jul 2018 15:27

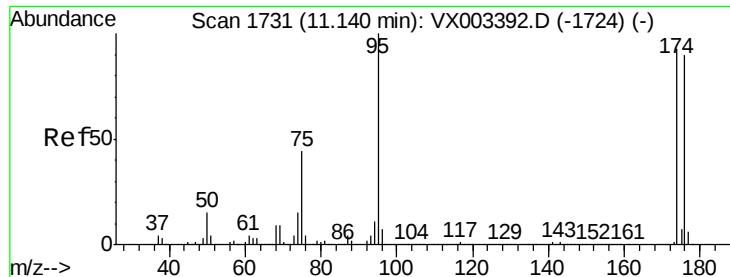
Tgt Ion: 98 Resp: 585597

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3

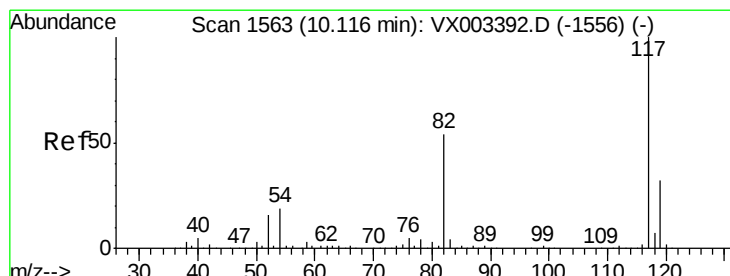
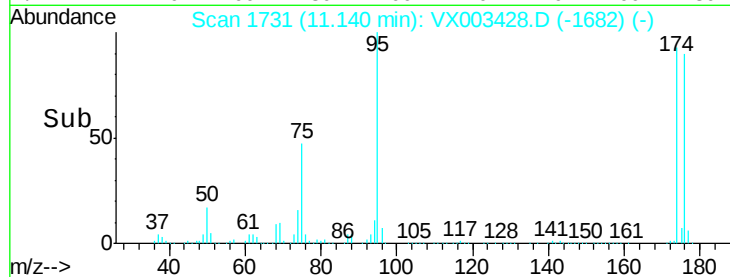
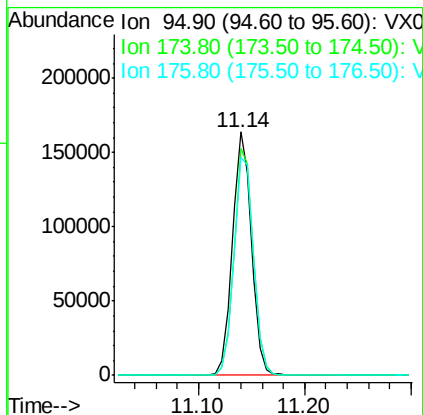
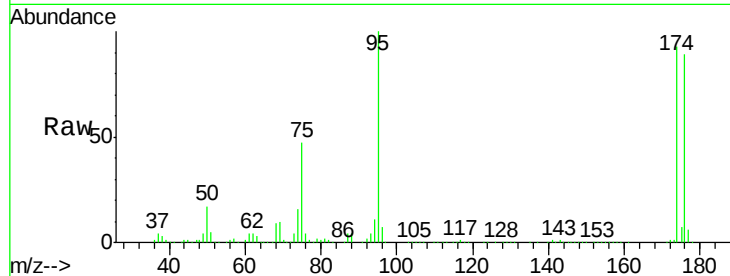




#62
 4-Bromofluorobenzene
 Concen: 45.94 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX003428.D
 Acq: 17 Jul 2018 15:27

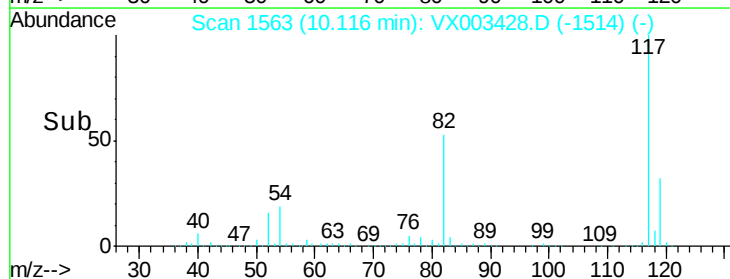
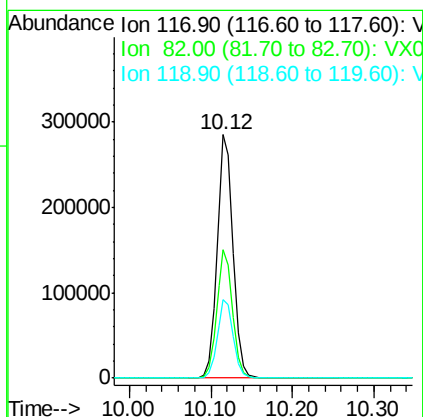
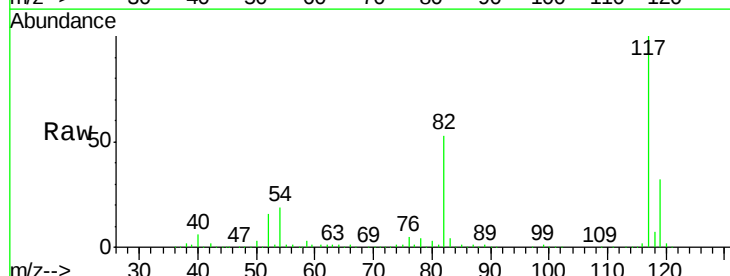
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-H-S

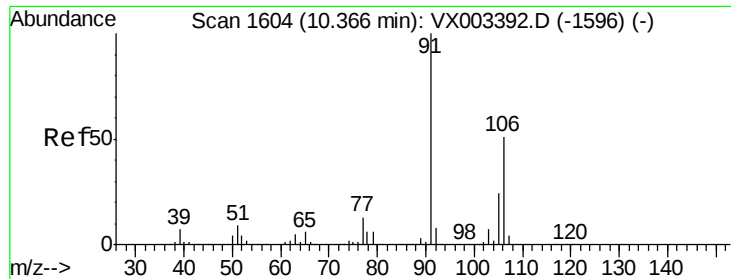
Tot Ion: 95 Resp: 205214
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 187.4
 176 92.4 0.0 181.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX003428.D
 Acq: 17 Jul 2018 15:27

Tgt Ion: 117 Resp: 392437
 Ion Ratio Lower Upper
 117 100
 82 53.0 45.0 67.4
 119 32.2 25.8 38.6

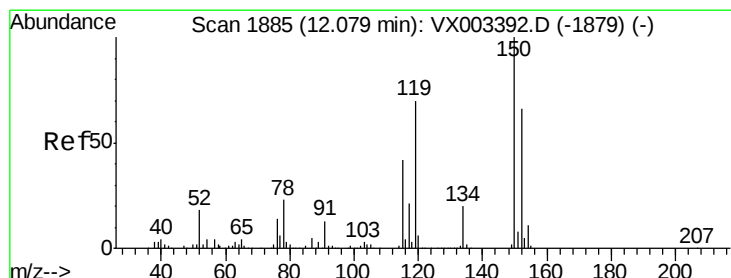
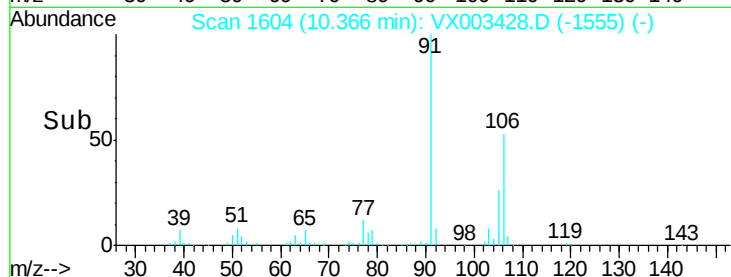
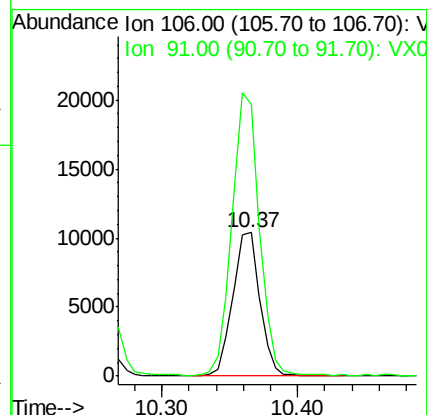
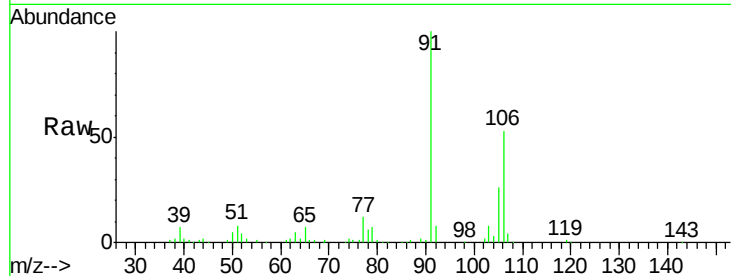




#68
m/p-Xvlenes
Concen: 2.48 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX003428.D
Acq: 17 Jul 2018 15:27

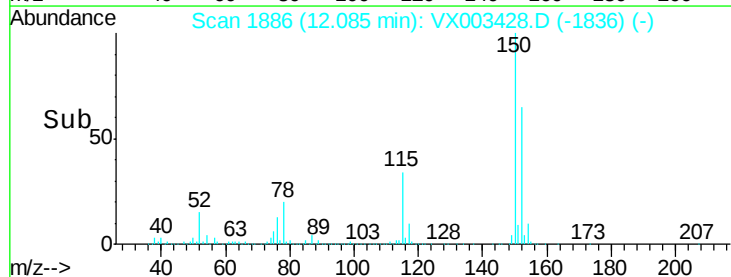
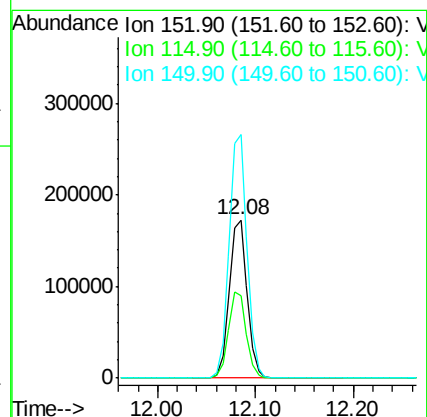
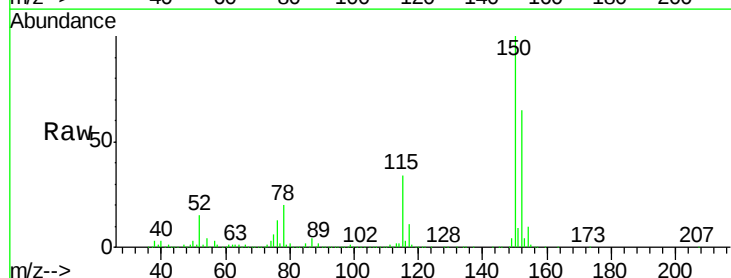
Instrument :
MSVOA_X
ClientSampleId :
TP-H-S

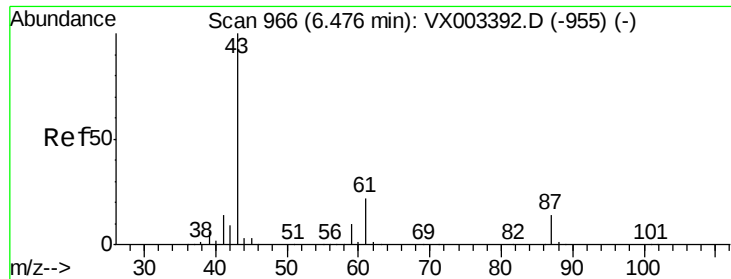
Tot Ion:106 Resp: 14530
Ion Ratio Lower Upper
106 100
91 200.1 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX003428.D
Acq: 17 Jul 2018 15:27

Tgt Ion:152 Resp: 217055
Ion Ratio Lower Upper
152 100
115 54.3 40.1 120.2
150 155.0 0.0 347.2





#74

N-amyl acetate

Concen: 20.43 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

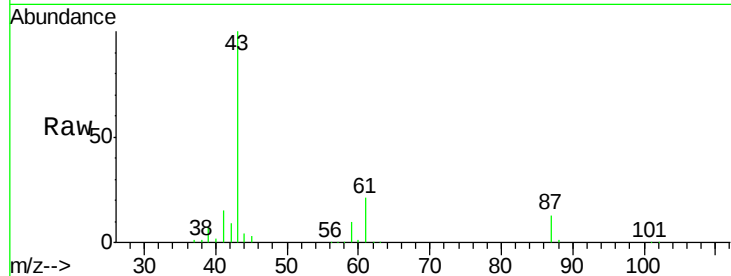
ClientSampleId :

TP-H-S

Tot Ion: 43 Resp: 136569

Ion Ratio Lower Upper

43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0#
61	21.4	14.4	21.6

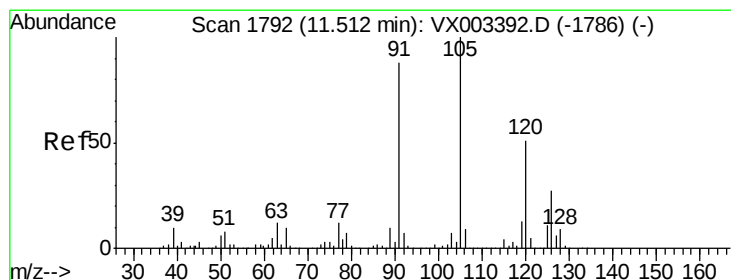
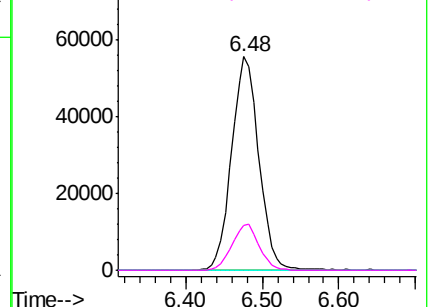
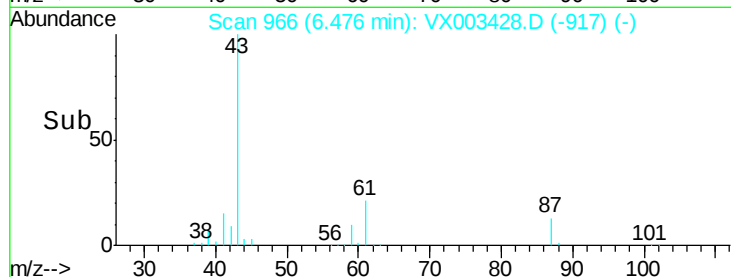


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#80

1,3,5-Trimethylbenzene

Concen: 1.23 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

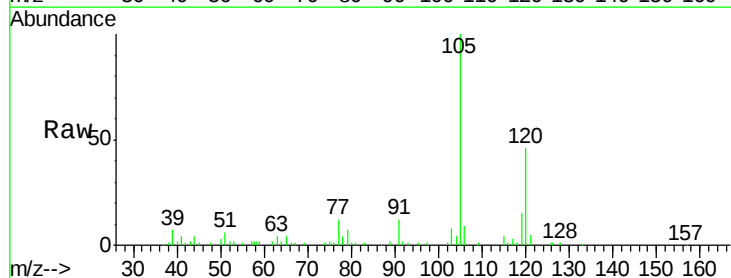
Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Tgt Ion: 105 Resp: 13925

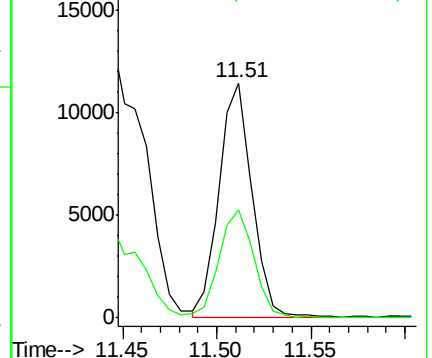
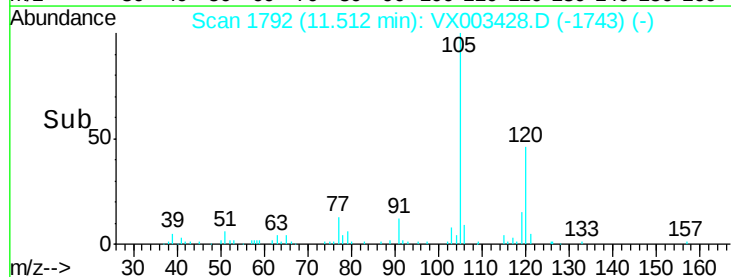
Ion Ratio Lower Upper

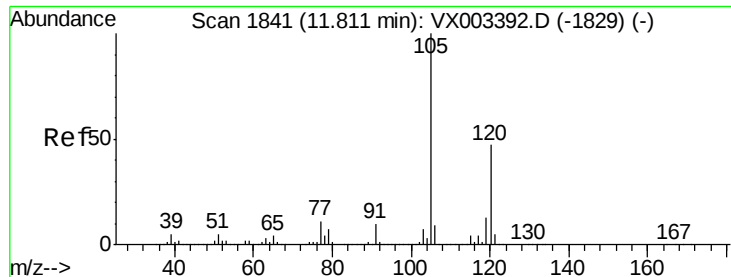
105	100		
120	48.6	24.4	73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

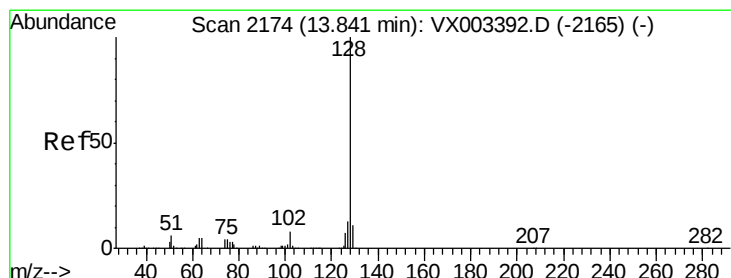
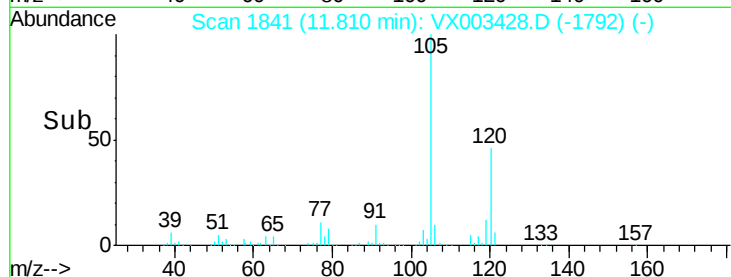
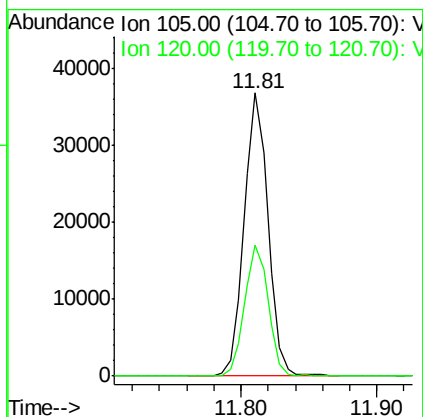
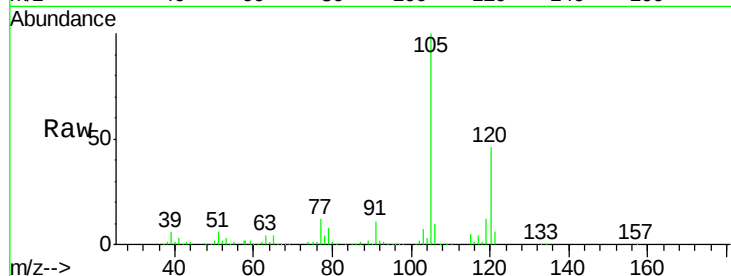




#84
 1,2,4-Trimethylbenzene
 Concen: 3.88 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003428.D
 Acq: 17 Jul 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-H-S

Tot Ion:105 Resp: 45196
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.3 66.8



#95
 Naphthalene
 Concen: 1.97 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX003428.D
 Acq: 17 Jul 2018 15:27

Tgt Ion:128 Resp: 28041
 Ion Ratio Lower Upper
 128 100
 127 14.0 10.4 15.6
 129 12.6 8.6 13.0

