

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 01:00:33 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

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

						Qvalue
3) Chloromethane	1.33	50	758	0.22	ug/l	93
5) Bromomethane	1.65	94	1537	Below	Cal	88
6) Chloroethane	1.68	64	340	Below	Cal #	53
10) Methyl Iodide	2.51	142	2512	0.74	ug/l	96
11) Tert butyl alcohol	3.08	59	408	0.49	ug/l #	37
13) Acrolein	2.29	56	139	0.35	ug/l #	1
16) Acetone	2.45	43	14812	9.56	ug/l #	81
17) Carbon Disulfide	2.57	76	1900	0.23	ug/l #	95
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
28) Bromochloromethane	5.21	49	632	0.24	ug/l #	13
29) Tetrahydrofuran	5.18	42	2176	1.41	ug/l	97
30) Chloroform	5.22	83	7977	1.45	ug/l	90
36) 1,1-Dichloropropene	5.67	75	17406	4.10	ug/l #	50
38) Carbon Tetrachloride	5.67	117	25369	5.87	ug/l #	16
43) Isopropyl Acetate	6.48	43	136569	18.92	ug/l #	93
47) Bromodichloromethane	7.90	83	2589	0.63	ug/l #	90
48) Methyl methacrylate	7.89	41	19038	5.17	ug/l #	46
51) 4-Methyl-2-Pentanone	8.63	43	3026	0.64	ug/l #	39
53) t-1,3-Dichloropropene	8.63	75	1457	0.30	ug/l #	43
59) 2-Hexanone	9.55	43	12314	3.37	ug/l #	62
60) Dibromochloromethane	9.59	129	798	0.24	ug/l	94
67) Ethyl Benzene	10.26	91	12486	0.82	ug/l	98
68) m/p-Xylenes	10.37	106	14530	2.48	ug/l	97
69) o-Xylene	10.70	106	4581	0.81	ug/l	99
74) N-amyl acetate	6.48	43	136569	20.43	ug/l #	92
76) 1,2,3-Trichloropropane	11.14	75	96174	24.48	ug/l #	33
78) n-propylbenzene	11.37	91	9009	0.58	ug/l	100
79) 2-Chlorotoluene	11.44	91	4317	0.45	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.51	105	13925	1.23	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	96174	79.51	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	45196	3.88	ug/l	97
89) n-Butylbenzene	12.39	91	3864	0.38	ug/l #	31

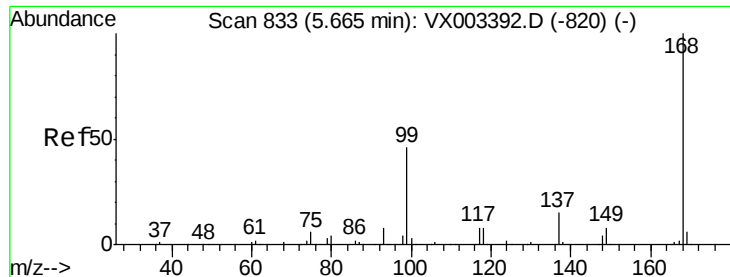
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071718\
Data File : VX003428.D
Acq On : 17 Jul 2018 15:27
Operator : JC/MD
Sample : J3997-12
Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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ClientSampleId :
TP-H-S

Quant Time: Jul 18 01:00:33 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)
90) Hexachloroethane	12.58	117	639	0.35	ug/l #	1
95) Naphthalene	13.84	128	28041	1.97	ug/l	97

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



#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 :

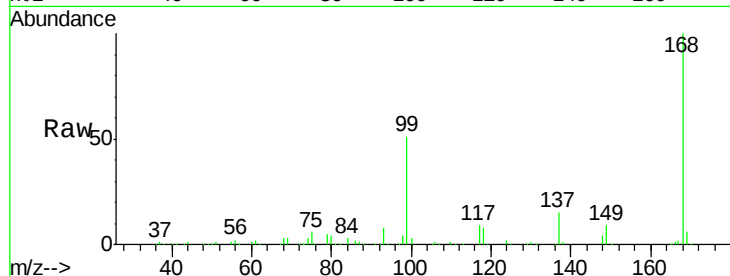
TP-H-S

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

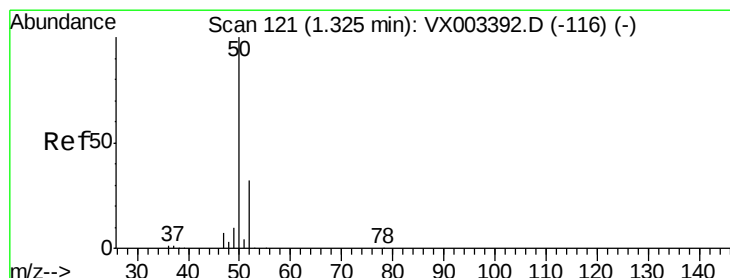
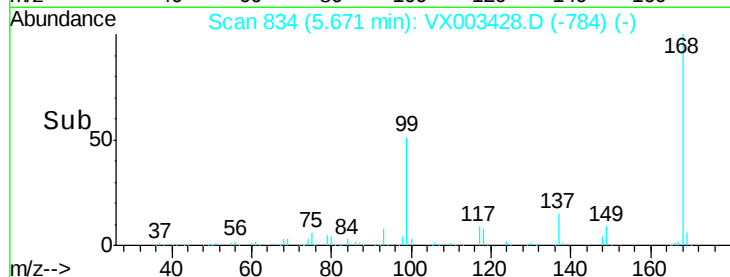
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003428.D

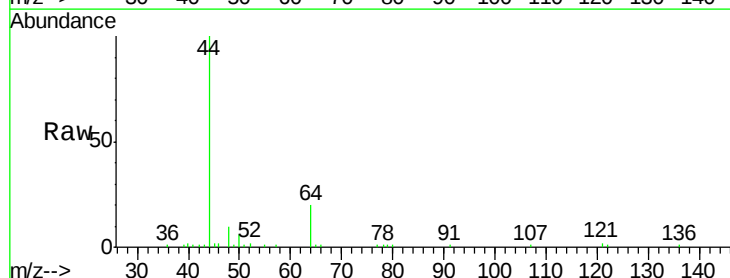
Acq: 17 Jul 2018 15:27

Tgt Ion: 50 Resp: 758

Ion Ratio Lower Upper

50 100

52 28.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

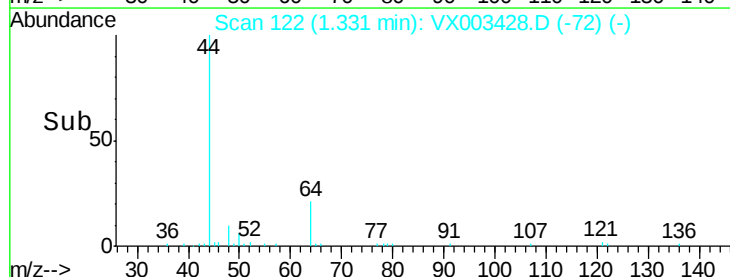
600

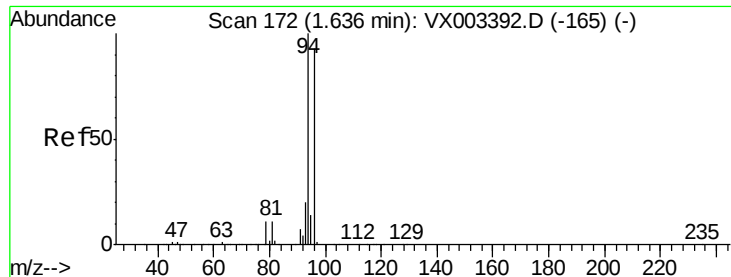
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

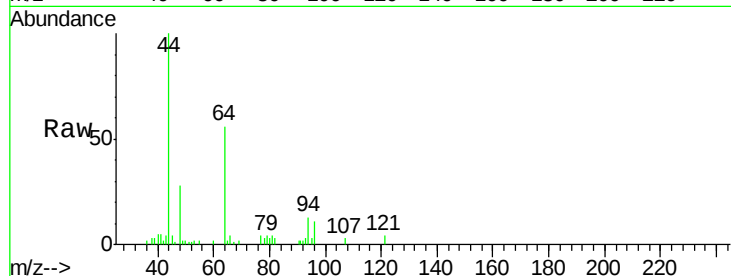
TP-H-S

Tot Ion: 94 Resp: 1537

Ion Ratio Lower Upper

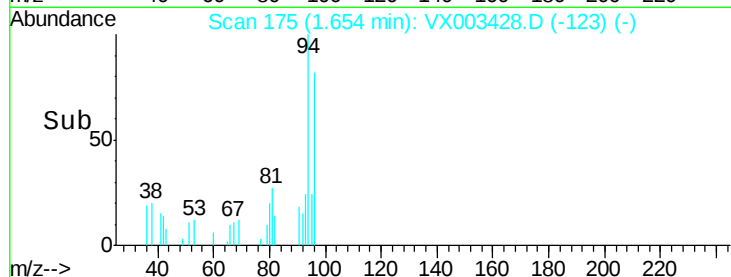
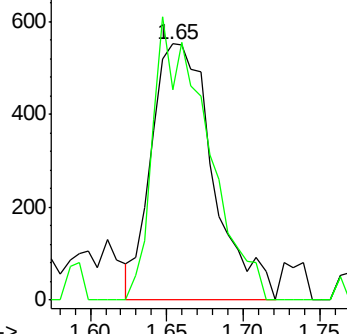
94 100

96 82.4 74.9 112.3

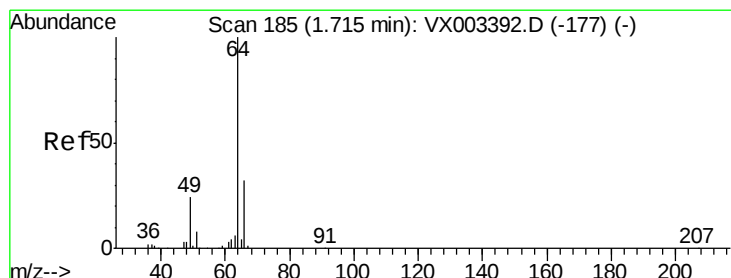


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 179

Delta R.T. -0.04 min

Lab File: VX003428.D

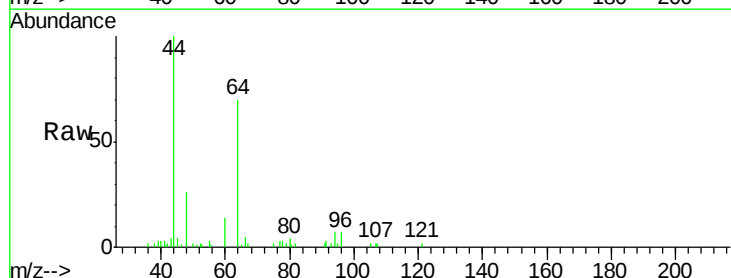
Acq: 17 Jul 2018 15:27

Tgt Ion: 64 Resp: 340

Ion Ratio Lower Upper

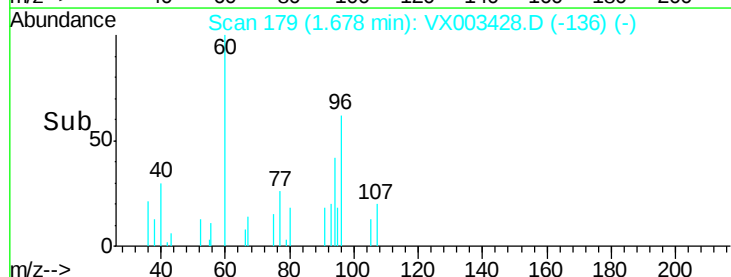
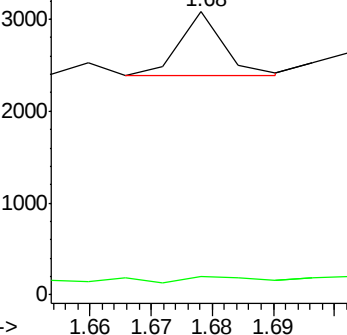
64 100

66 5.6 25.5 38.3#

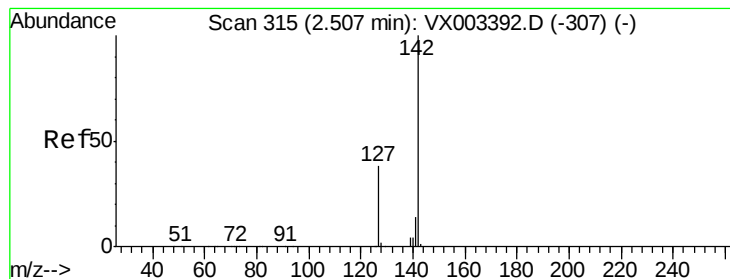


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#10

Methvl Iodide

Concen: 0.74 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

TP-H-S

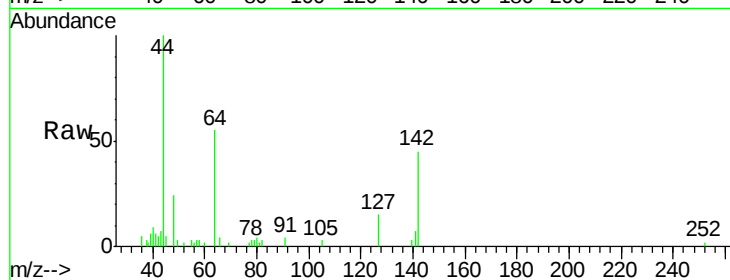
Tot Ion:142 Resp: 2512

Ion Ratio Lower Upper

142 100

127 43.8 36.6 55.0

141 16.5 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

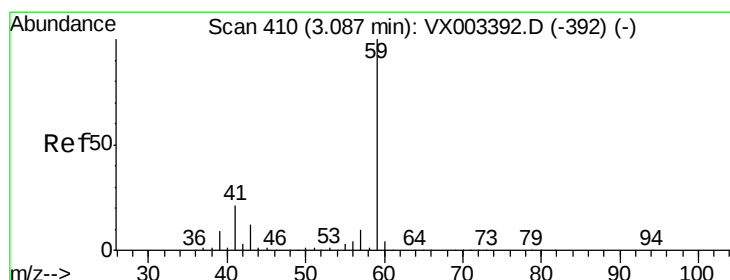
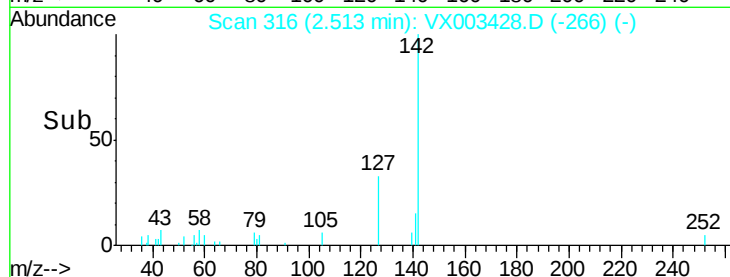
2.51

1000

500

0

Time-->



#11

Tert butyl alcohol

Concen: 0.49 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VX003428.D

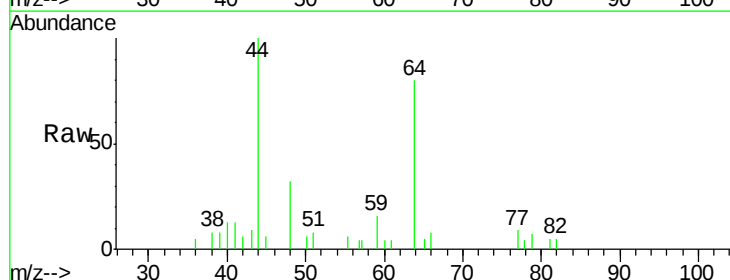
Acq: 17 Jul 2018 15:27

Tgt Ion: 59 Resp: 408

Ion Ratio Lower Upper

59 100

57 33.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.08

250

200

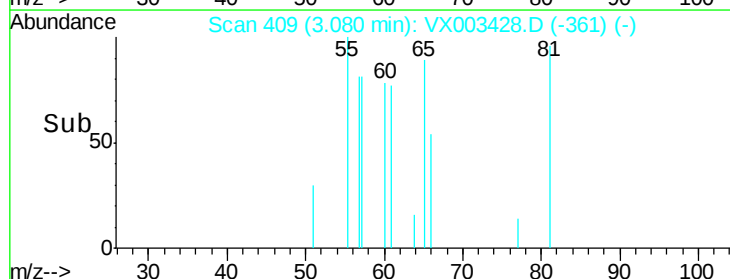
150

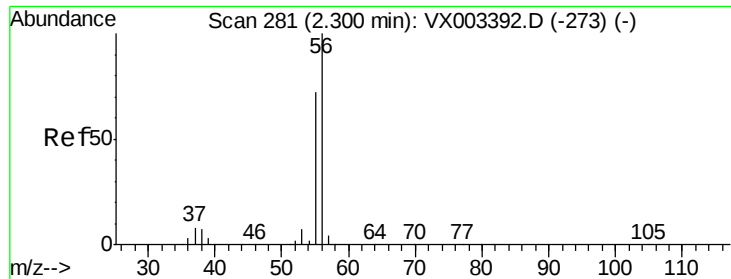
100

50

0

Time-->





#13

Acrolein

Concen: 0.35 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

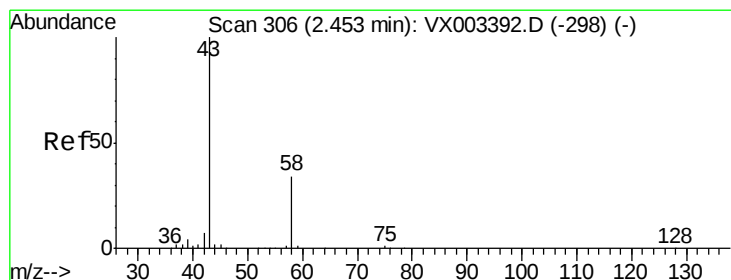
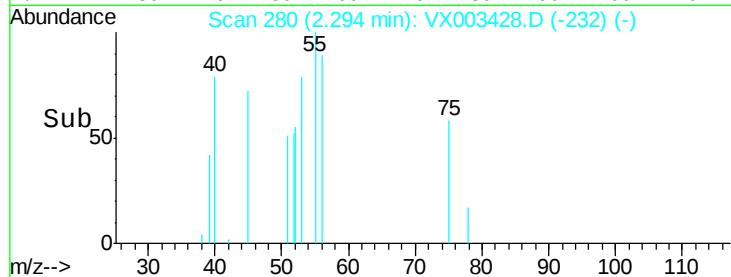
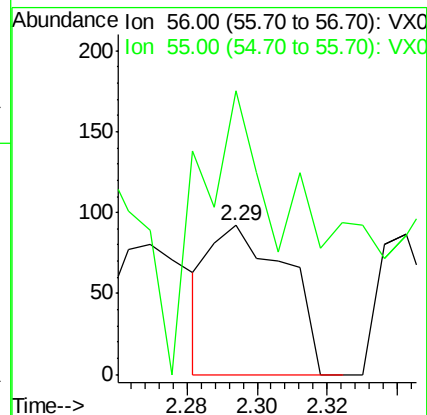
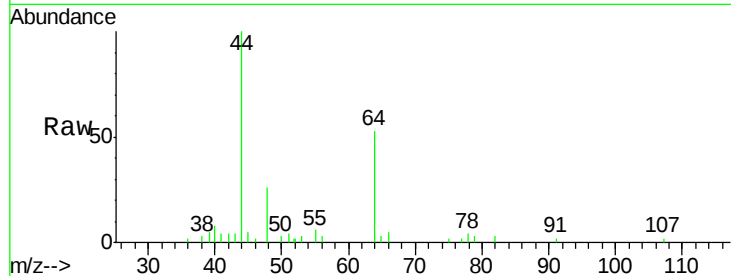
TP-H-S

Tot Ion: 56 Resp: 139

Ion Ratio Lower Upper

56 100

55 162.6 57.0 85.4#



#16

Acetone

Concen: 9.56 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003428.D

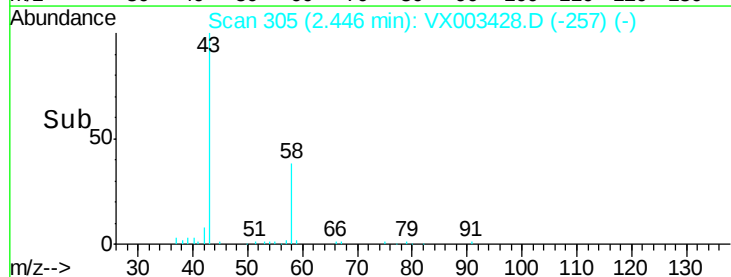
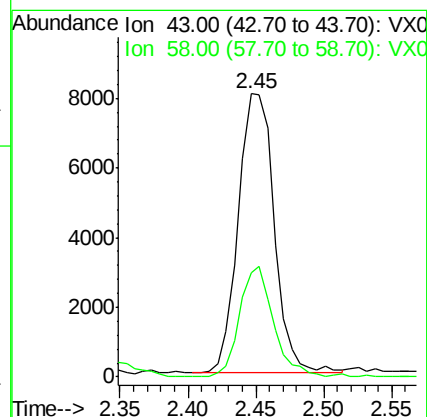
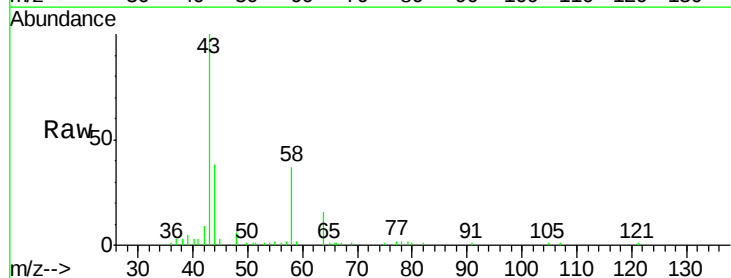
Acq: 17 Jul 2018 15:27

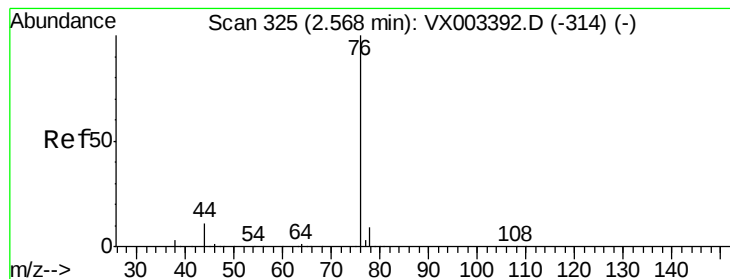
Tgt Ion: 43 Resp: 14812

Ion Ratio Lower Upper

43 100

58 37.5 22.1 33.1#





#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

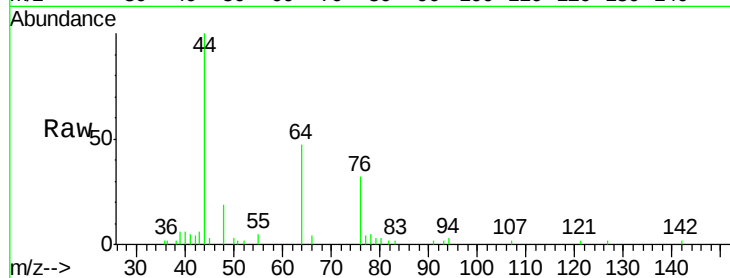
TP-H-S

Tot Ion: 76 Resp: 1900

Ion Ratio Lower Upper

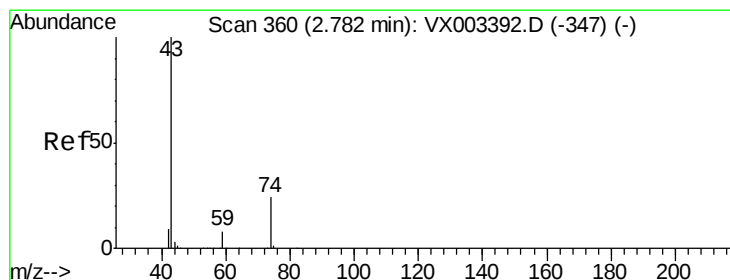
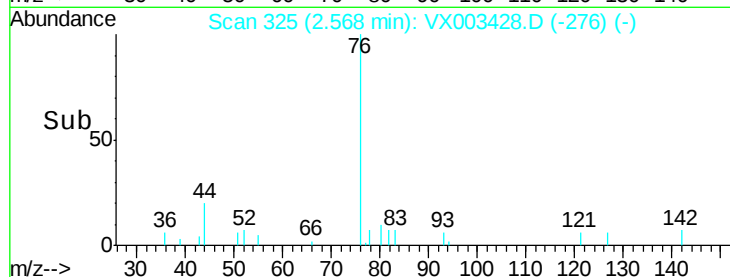
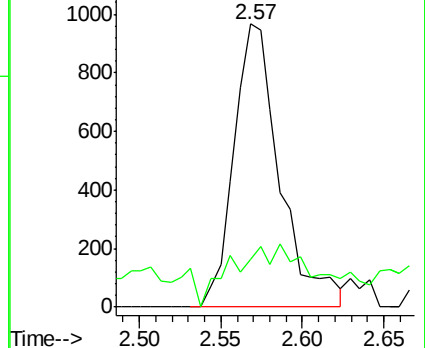
76 100

78 6.7 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.65 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003428.D

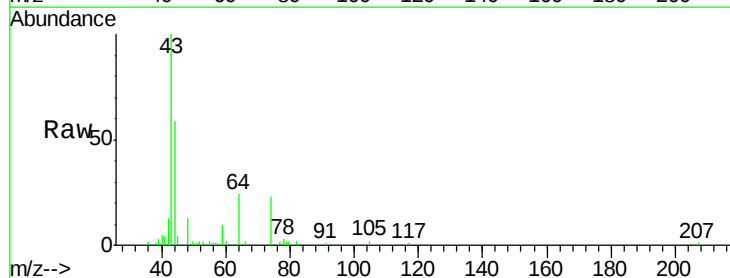
Acq: 17 Jul 2018 15:27

Tgt Ion: 43 Resp: 8332

Ion Ratio Lower Upper

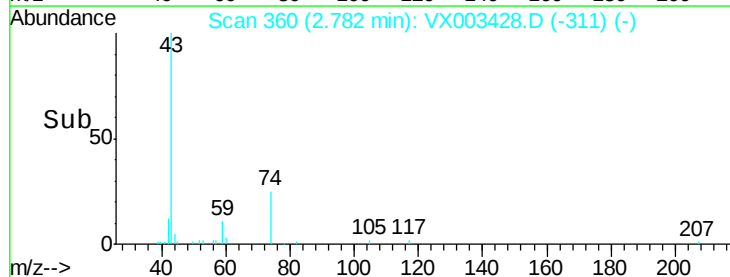
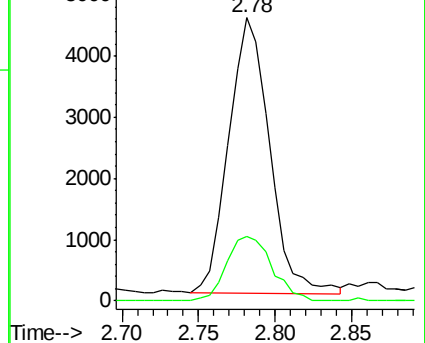
43 100

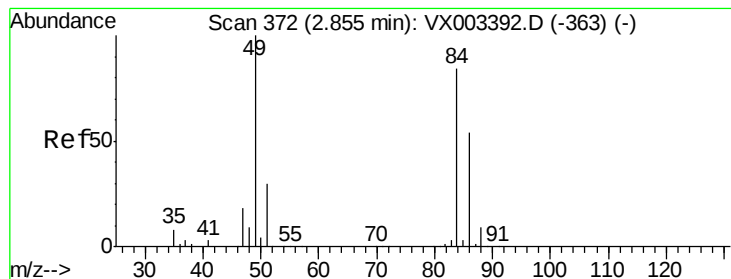
74 26.1 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#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

Instrument :

MSVOA_X

ClientSampleId :

TP-H-S

Tot Ion: 84 Resp: 39940

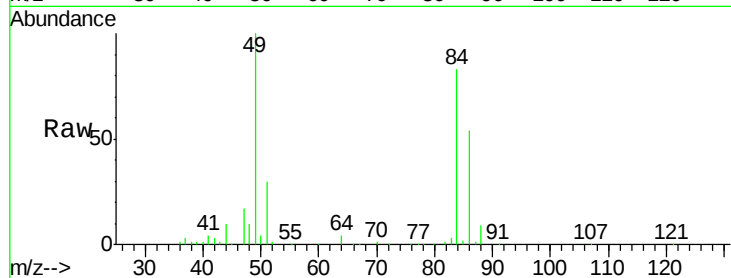
Ion Ratio Lower Upper

84 100

49 119.7 107.8 161.6

51 36.5 32.8 49.2

86 65.3 52.5 78.7

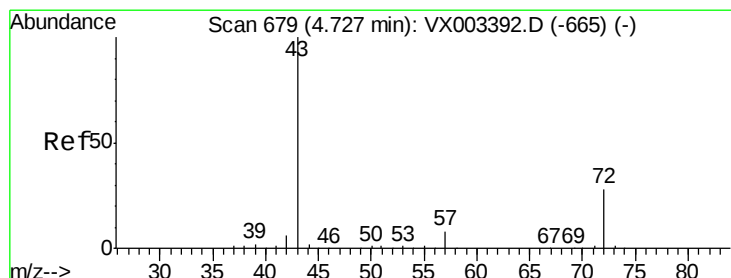
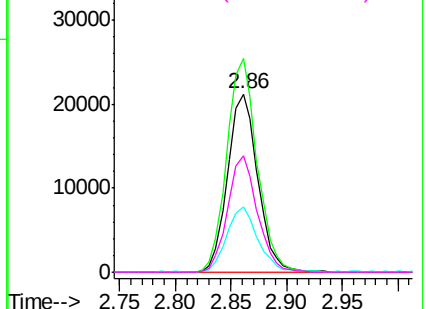
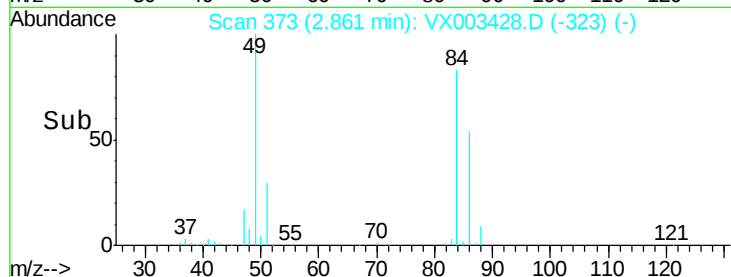


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 1.66 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX003428.D

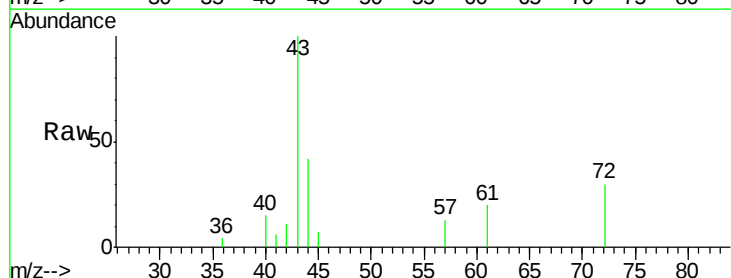
Acq: 17 Jul 2018 15:27

Tgt Ion: 43 Resp: 4031

Ion Ratio Lower Upper

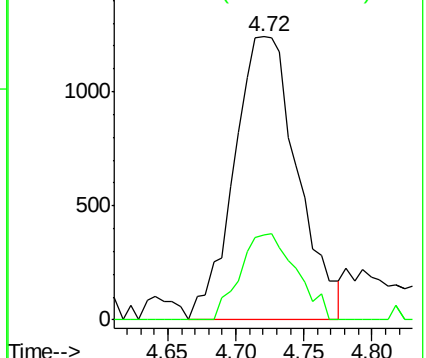
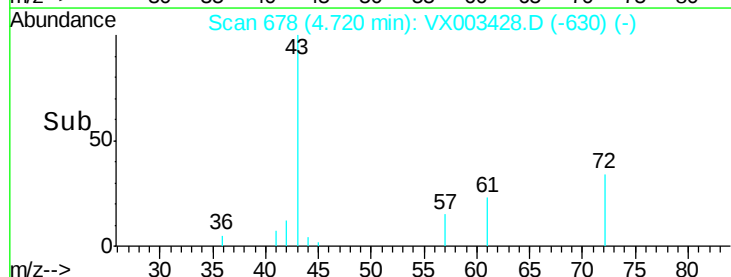
43 100

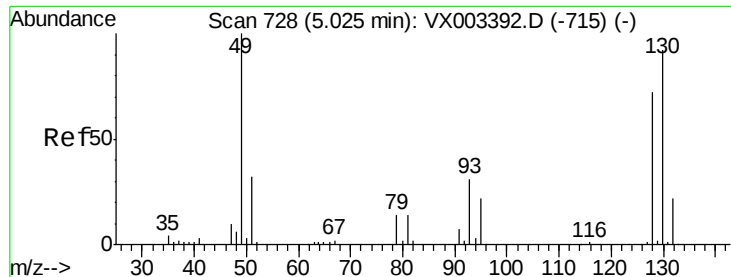
72 30.2 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: 0.24 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.19 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

TP-H-S

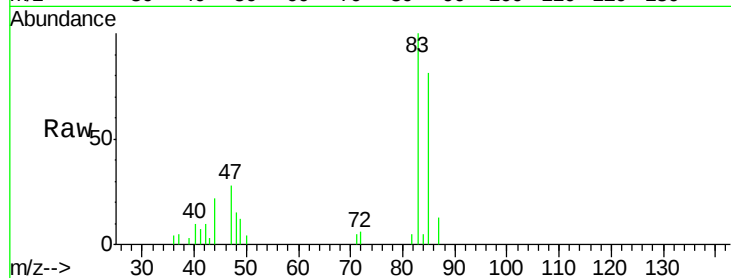
Tot Ion: 49 Resp: 632

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

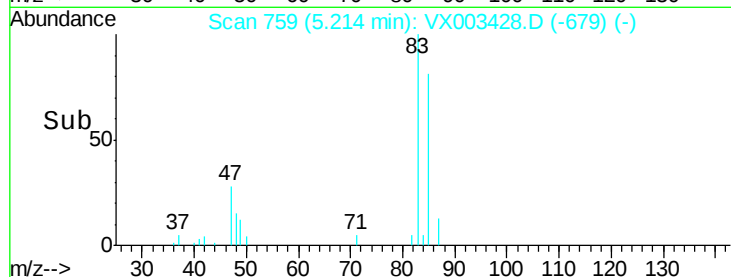
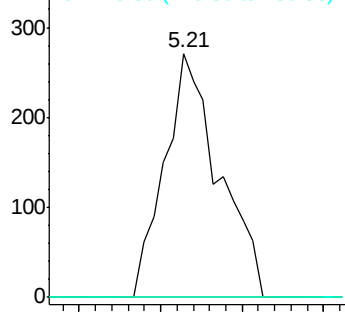
130 0.0 61.2 91.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 1.41 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

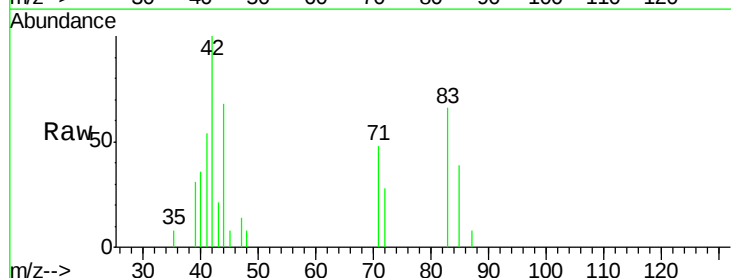
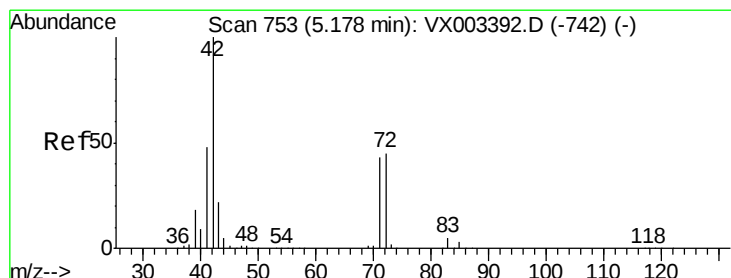
Tgt Ion: 42 Resp: 2176

Ion Ratio Lower Upper

42 100

72 36.4 32.0 48.0

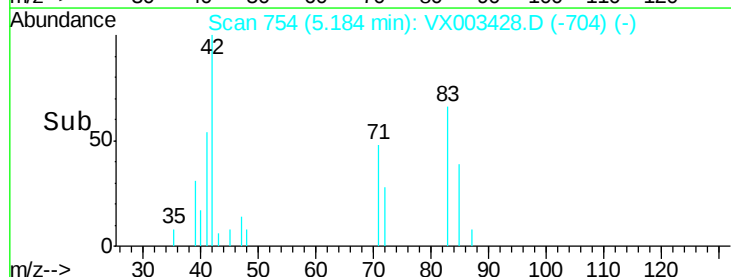
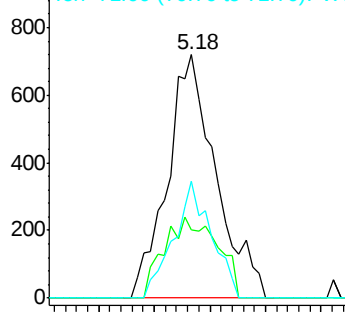
71 37.2 30.1 45.1

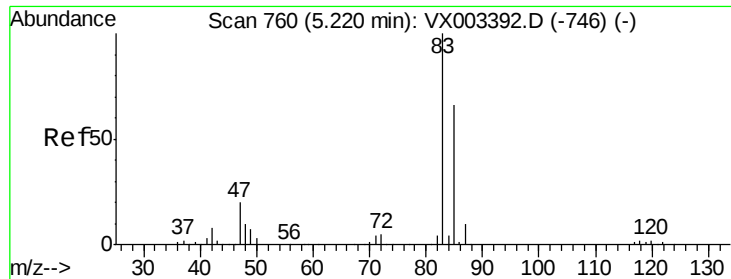


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

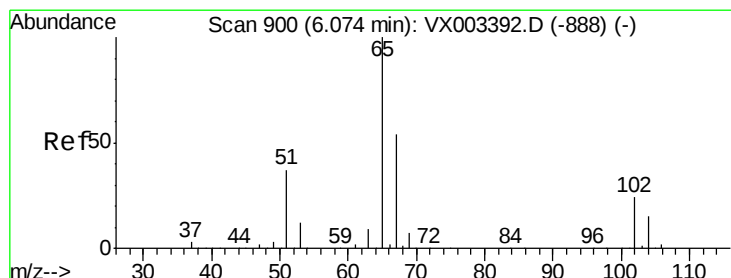
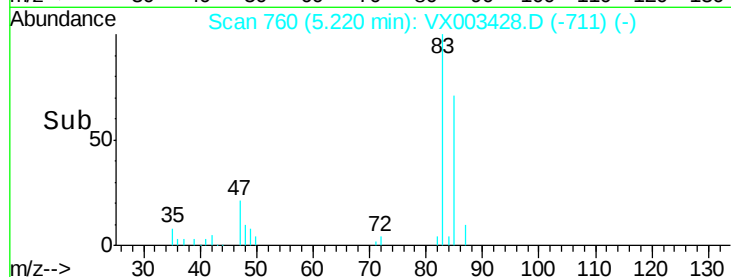
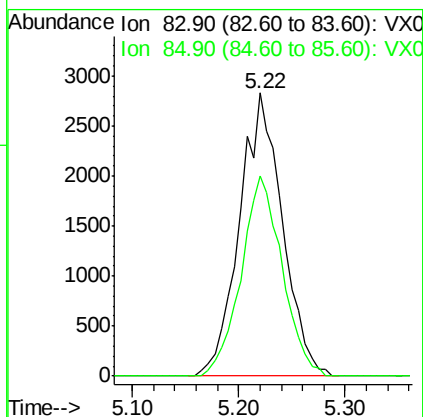
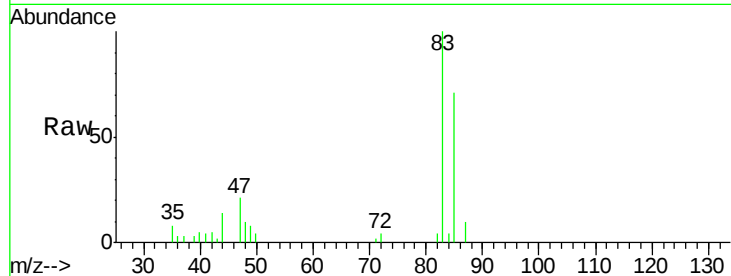




#30
Chloroform
Concen: 1.45 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003428.D
Acq: 17 Jul 2018 15:27

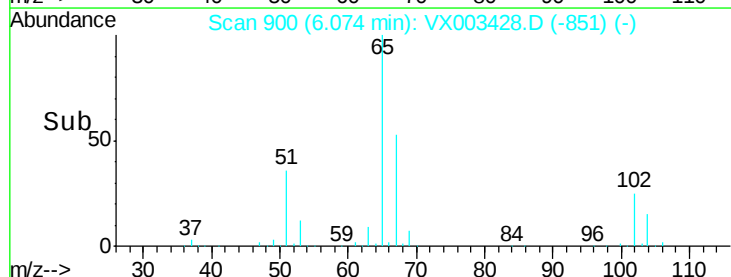
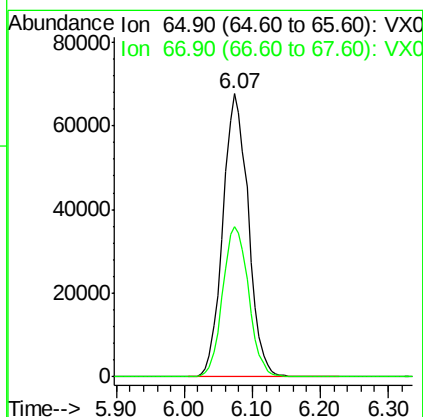
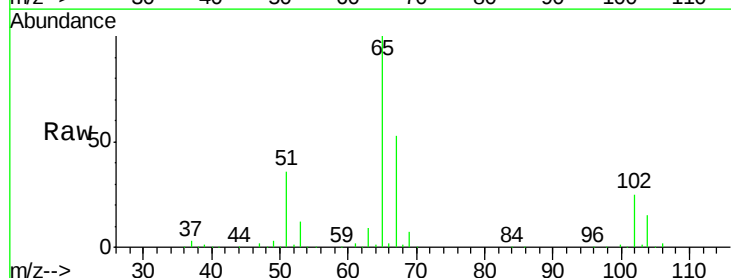
Instrument :
MSVOA_X
ClientSampled :
TP-H-S

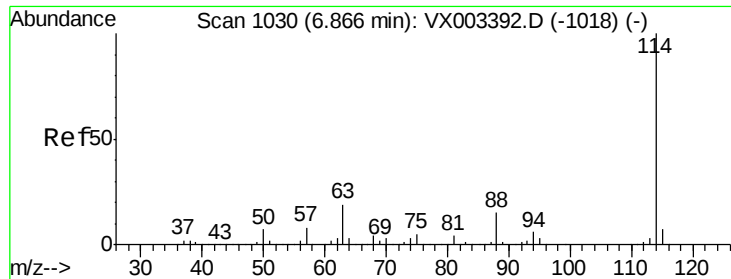
Tot Ion: 83 Resp: 7977
Ion Ratio Lower Upper
83 100
85 70.7 50.4 75.6



#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

Tgt Ion: 65 Resp: 175142
Ion Ratio Lower Upper
65 100
67 54.0 0.0 102.6

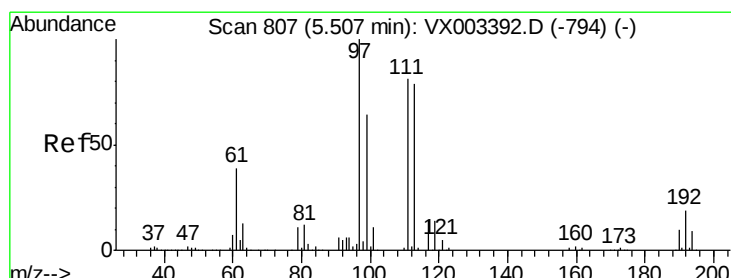
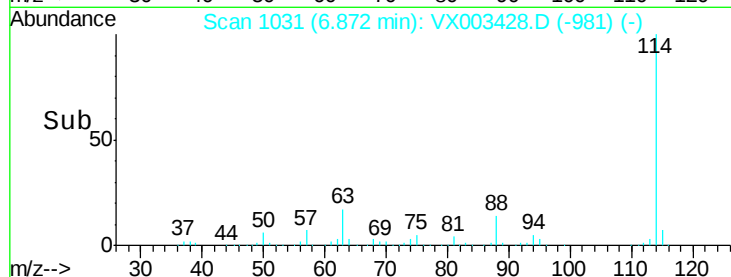
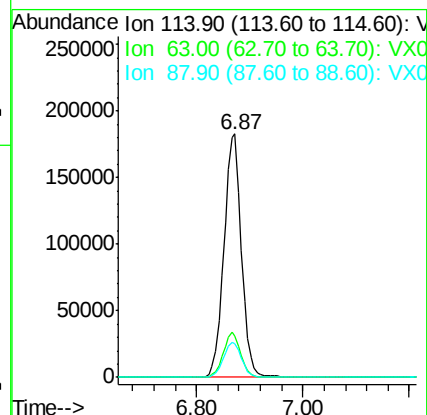
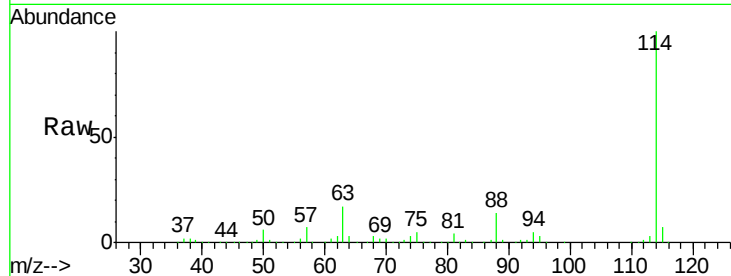




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX003428.D
 Acq: 17 Jul 2018 15:27

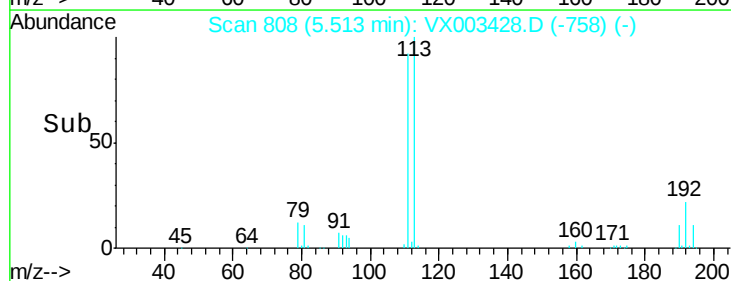
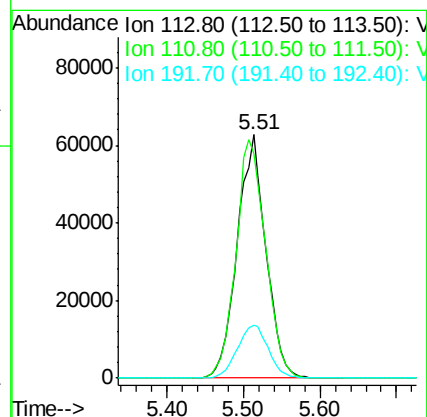
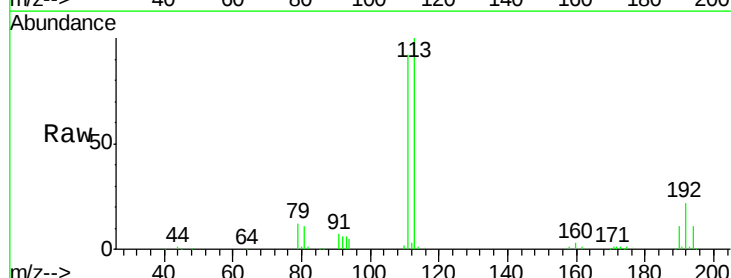
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-H-S

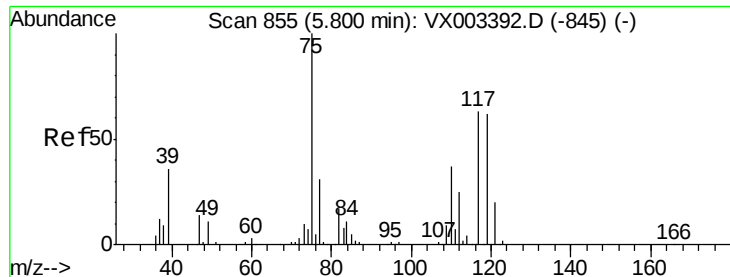
Tot Ion:114 Resp: 419067
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 41.4
 88 13.8 0.0 30.0



#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

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

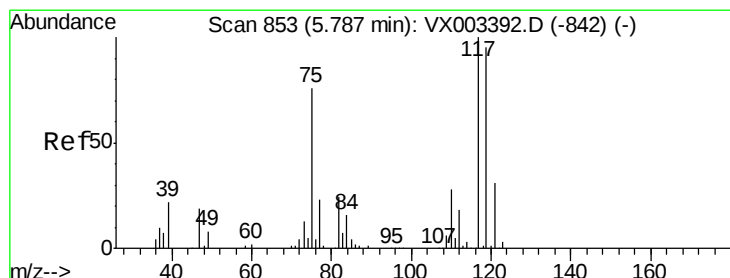
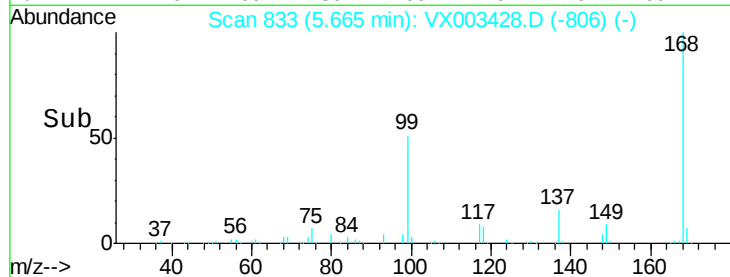
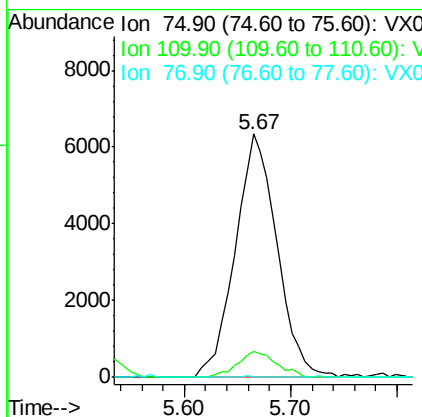
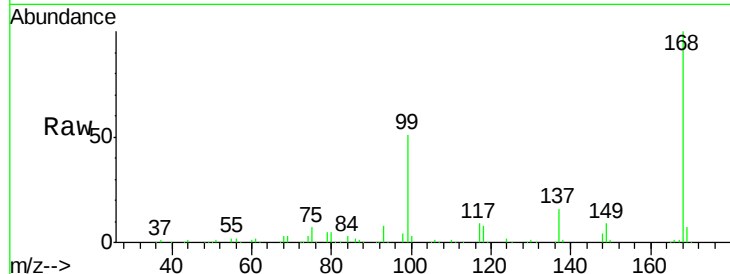




#36
 1,1-Dichloropropene
 Concen: 4.10 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003428.D
 Acq: 17 Jul 2018 15:27

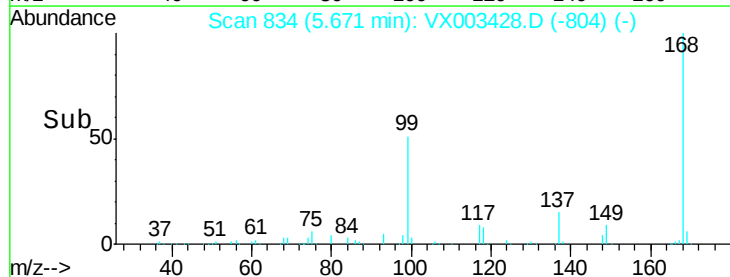
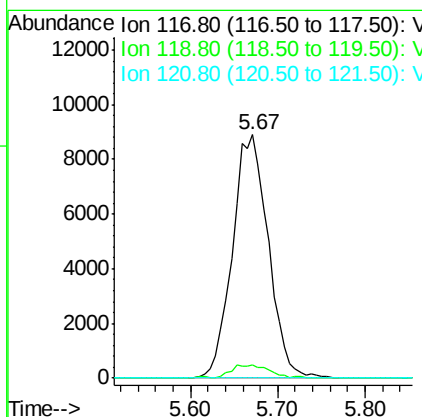
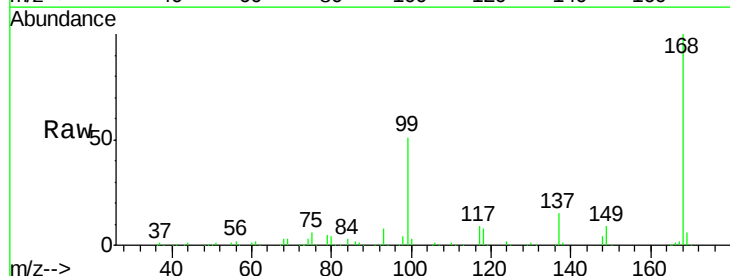
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-H-S

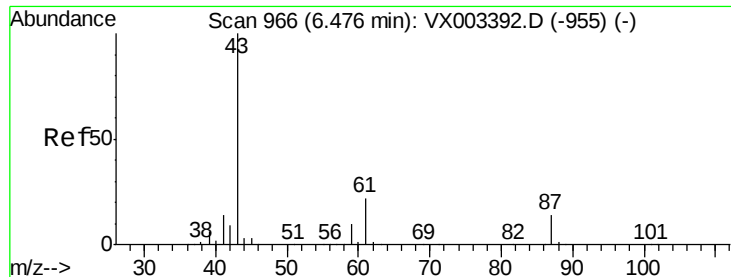
Tot Ion: 75 Resp: 17406
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.4#
 77 0.1 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.87 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX003428.D
 Acq: 17 Jul 2018 15:27

Tgt Ion: 117 Resp: 25369
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.4 116.0#
 121 0.0 24.4 36.6#



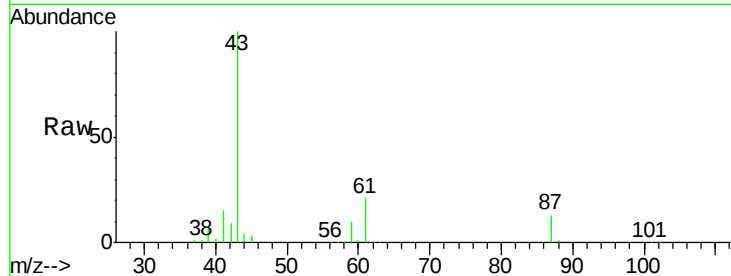


#43

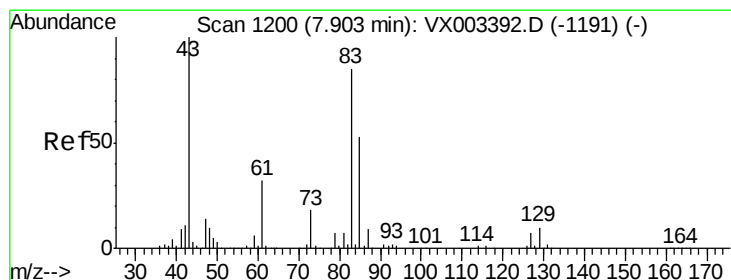
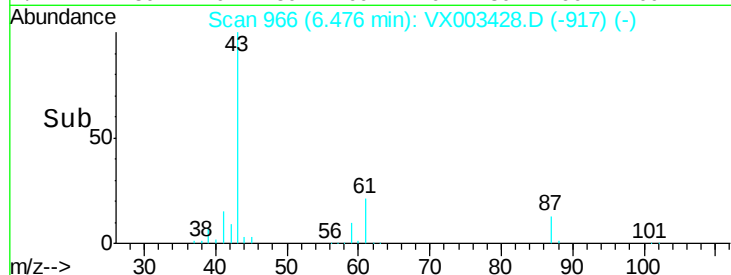
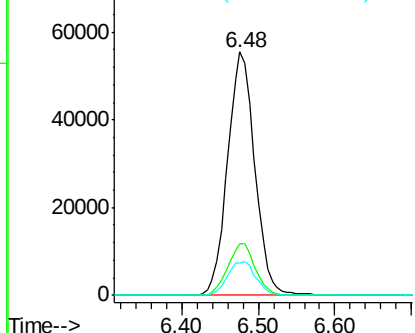
Isopropyl Acetate
 Concen: 18.92 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX003428.D
 Acq: 17 Jul 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-H-S

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



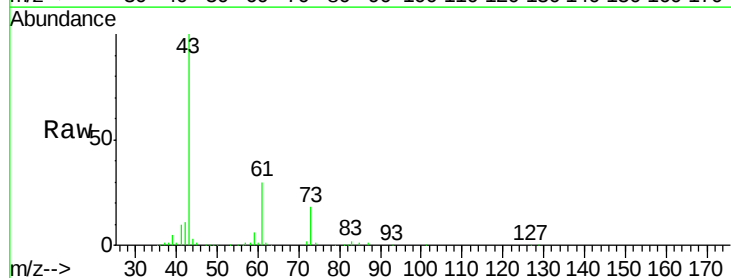
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



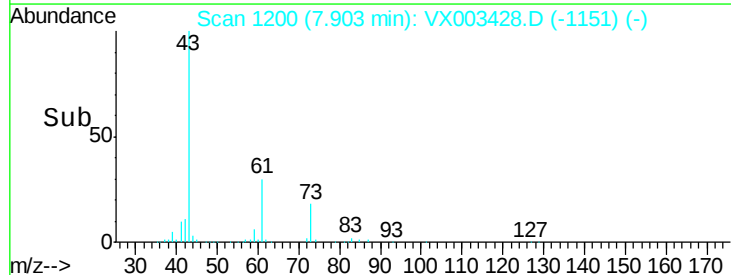
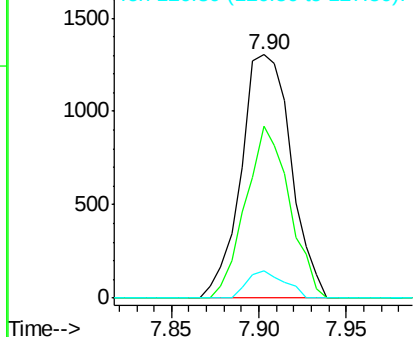
#47

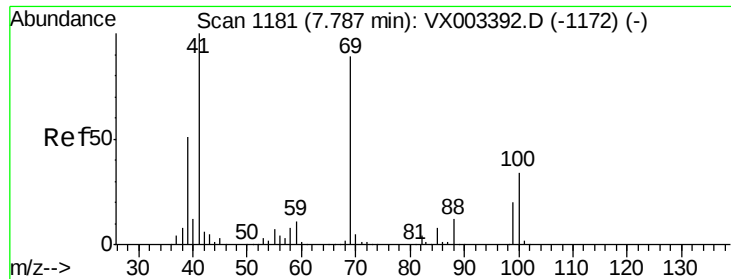
Bromodichloromethane
 Concen: 0.63 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX003428.D
 Acq: 17 Jul 2018 15:27

Tgt Ion: 83 Resp: 2589
 Ion Ratio Lower Upper
 83 100
 85 70.8 50.3 75.5
 127 11.3 7.0 10.4#



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 126.80 (126.50 to 127.50): V

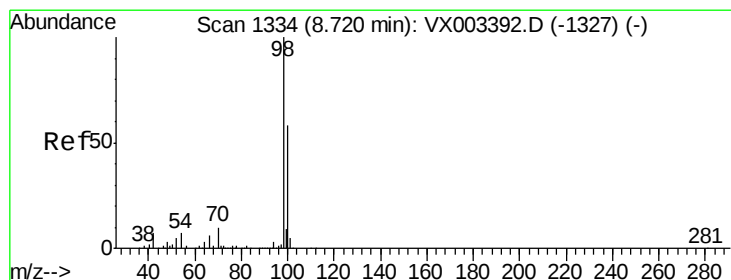
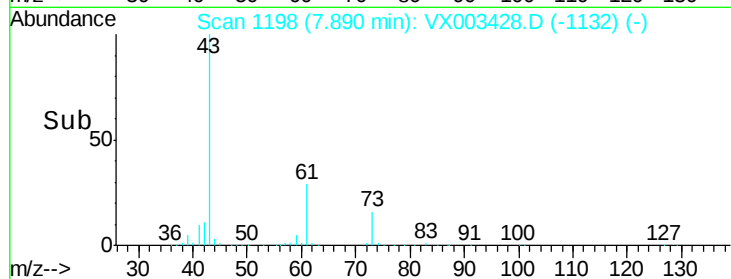
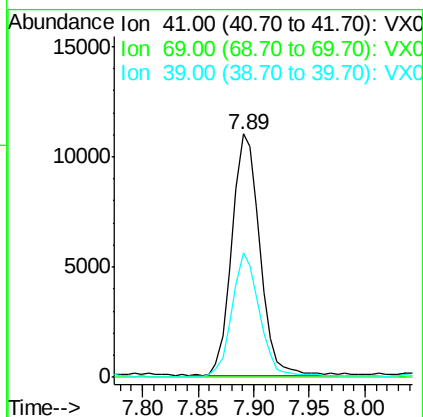
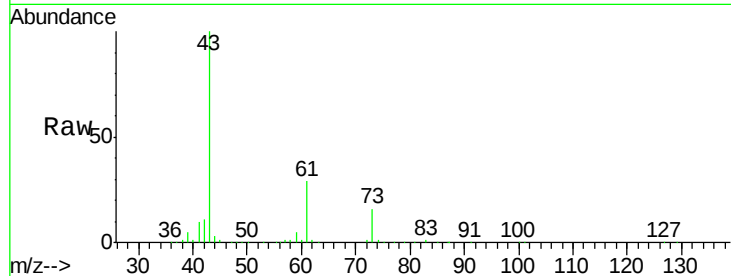




#48
Methvl methacrylate
Concen: 5.17 ug/l
RT: 7.89 min Scan# 1198
Delta R.T. 0.10 min
Lab File: VX003428.D
Acq: 17 Jul 2018 15:27

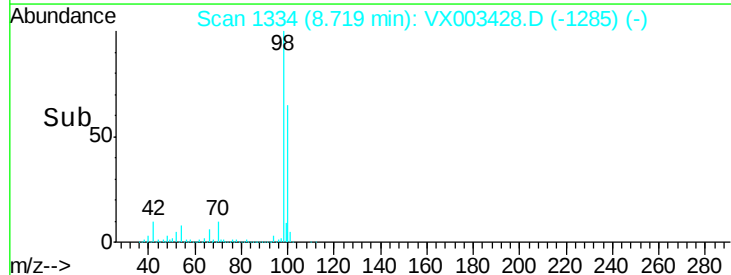
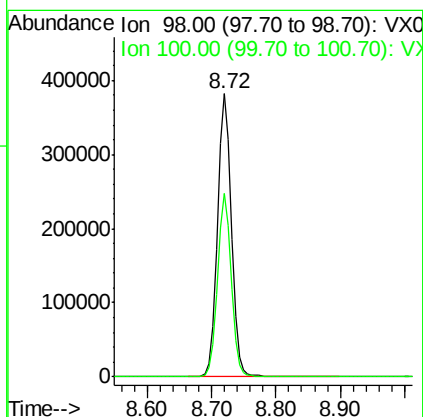
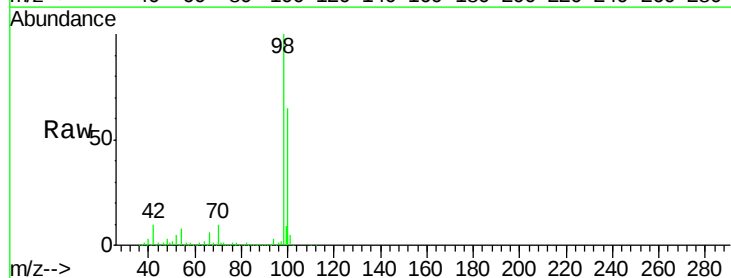
Instrument :
MSVOA_X
ClientSampled :
TP-H-S

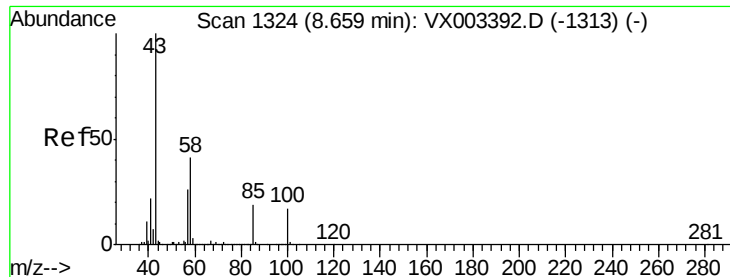
Tot Ion: 41 Resp: 19038
Ion Ratio Lower Upper
41 100
69 0.0 59.1 88.7#
39 50.8 48.9 73.3



#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





#51

4-Methyl-2-Pentanone

Concen: 0.64 ug/l

RT: 8.63 min Scan# 1319

Delta R.T. -0.03 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

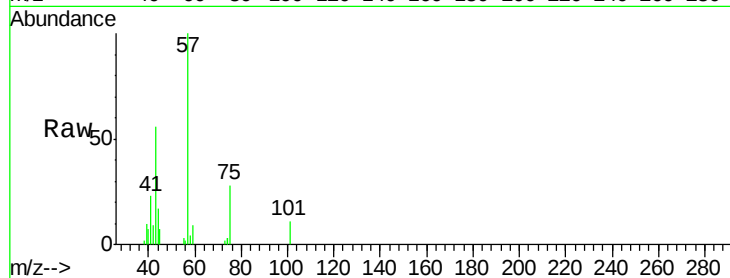
TP-H-S

Tot Ion: 43 Resp: 3026

Ion Ratio Lower Upper

43 100

58 0.0 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.63

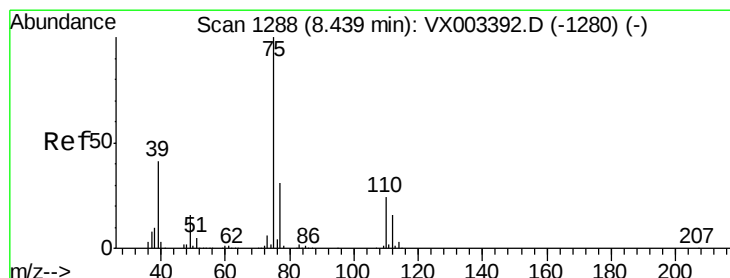
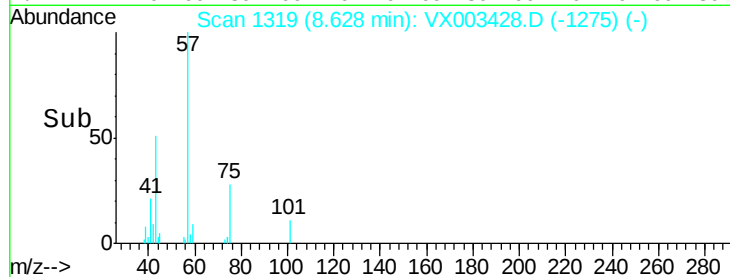
1500

1000

500

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 0.30 ug/l

RT: 8.63 min Scan# 1319

Delta R.T. 0.19 min

Lab File: VX003428.D

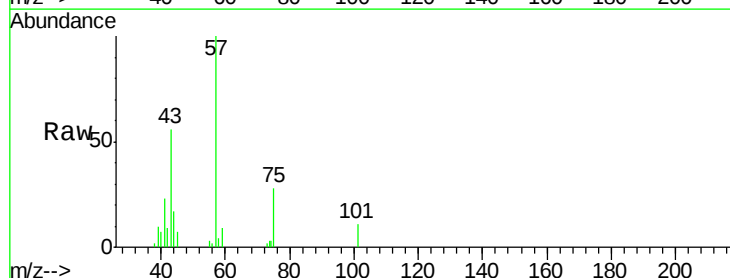
Acq: 17 Jul 2018 15:27

Tgt Ion: 75 Resp: 1457

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.63

1000

800

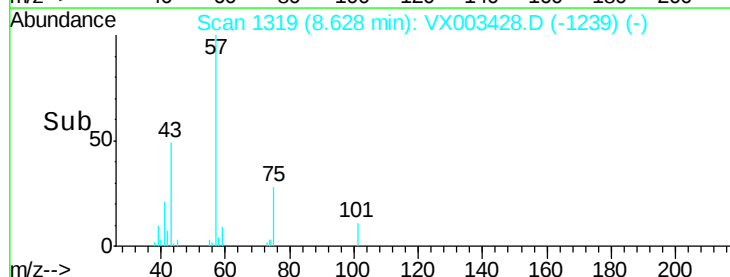
600

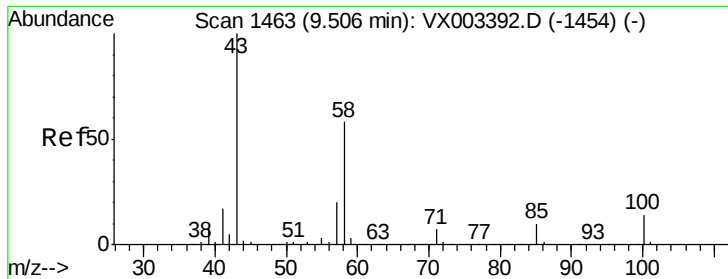
400

200

0

Time-->





#59

2-Hexanone

Concen: 3.37 ug/l

RT: 9.55 min Scan# 1470

Delta R.T. 0.04 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

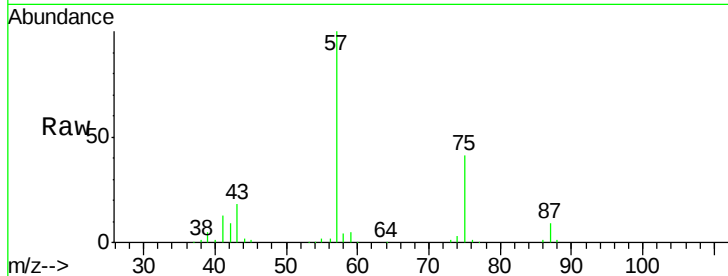
TP-H-S

Tot Ion: 43 Resp: 12314

Ion Ratio Lower Upper

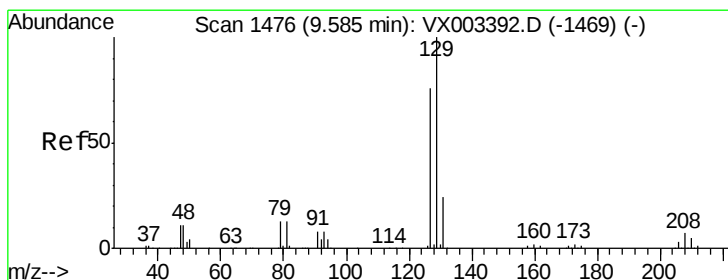
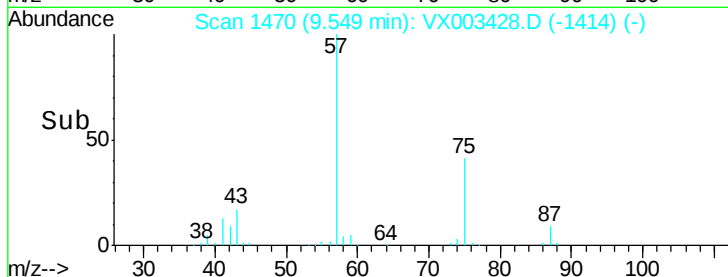
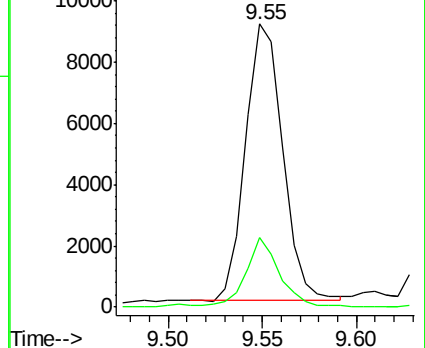
43 100

58 23.1 24.6 73.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 0.24 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003428.D

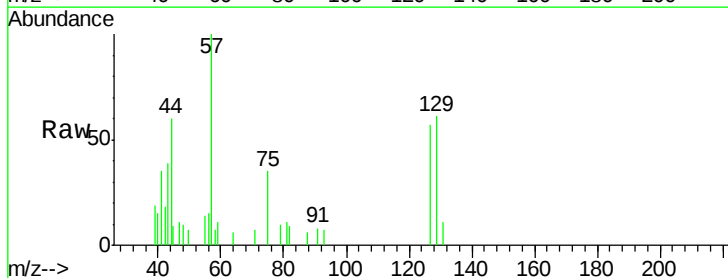
Acq: 17 Jul 2018 15:27

Tgt Ion:129 Resp: 798

Ion Ratio Lower Upper

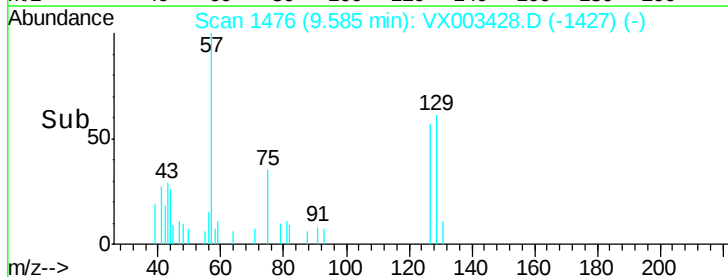
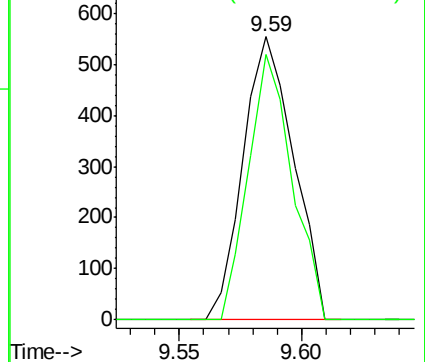
129 100

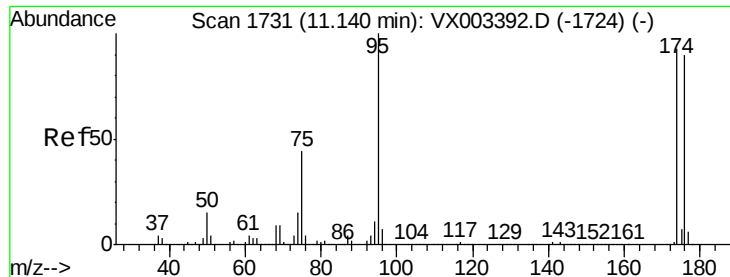
127 81.7 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#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

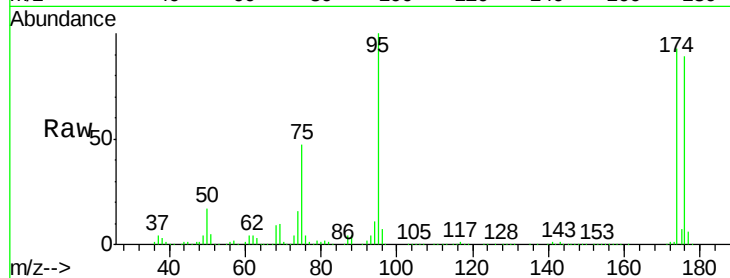
Tot Ion: 95 Resp: 205214

Ion Ratio Lower Upper

95 100

174 94.9 0.0 187.4

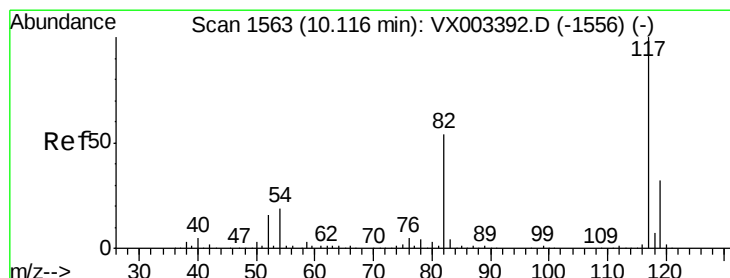
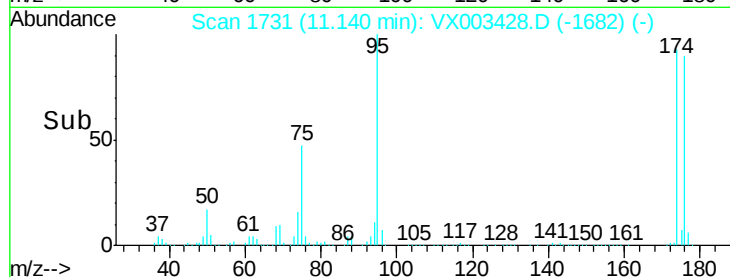
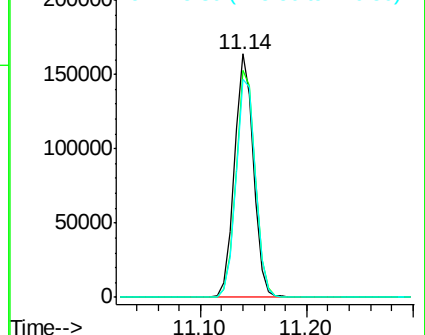
176 92.4 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#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

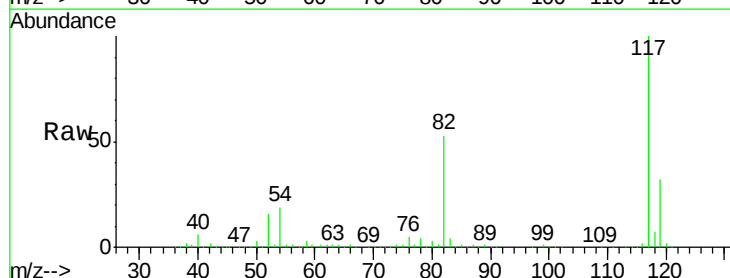
Tgt Ion: 117 Resp: 392437

Ion Ratio Lower Upper

117 100

82 53.0 45.0 67.4

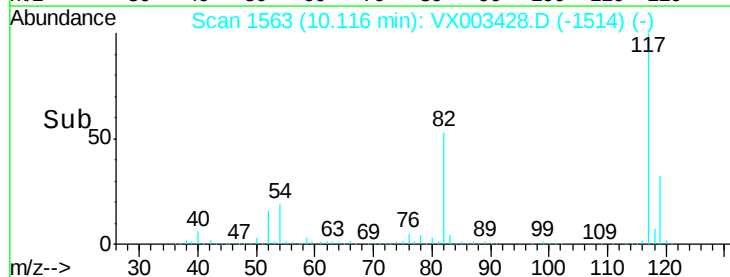
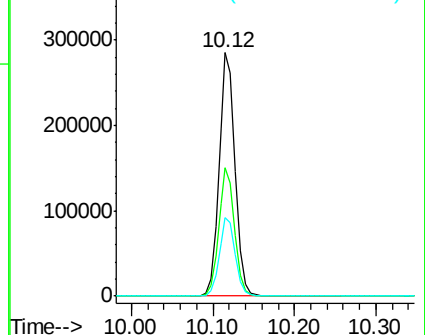
119 32.2 25.8 38.6

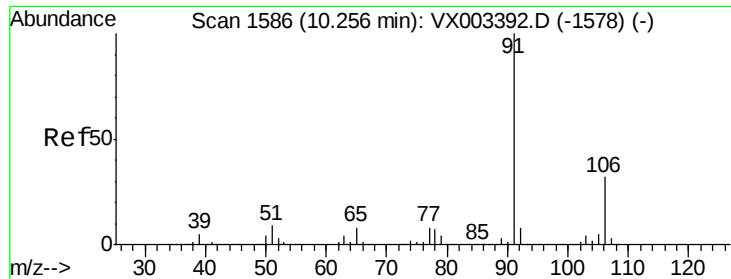


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

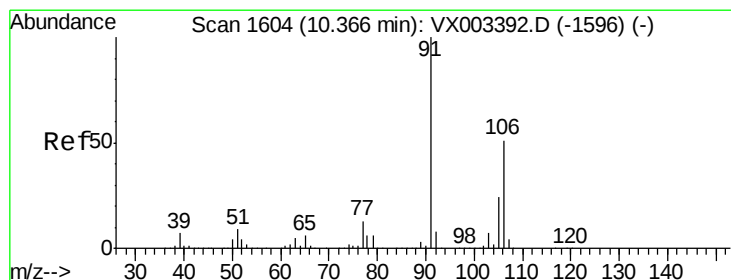
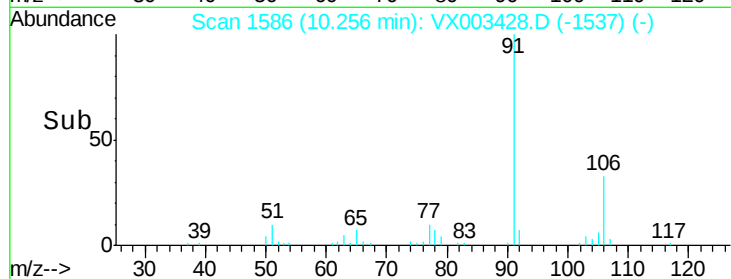
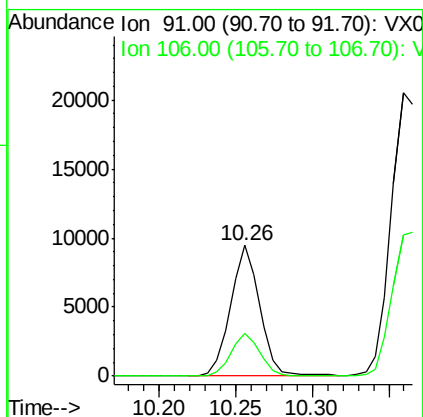
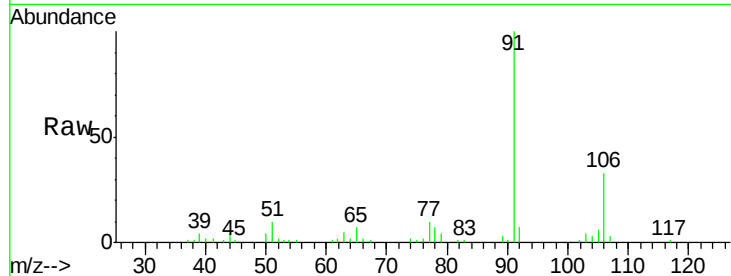




#67
Ethyl Benzene
Concen: 0.82 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003428.D
Acq: 17 Jul 2018 15:27

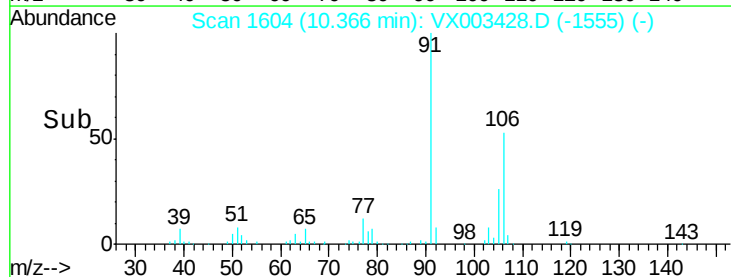
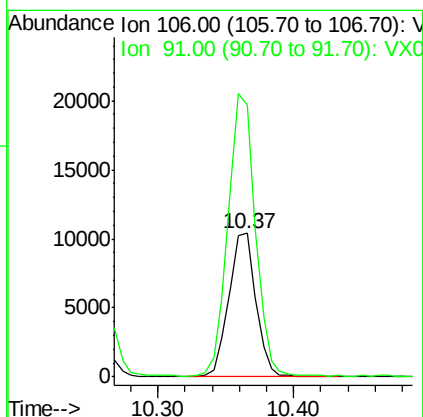
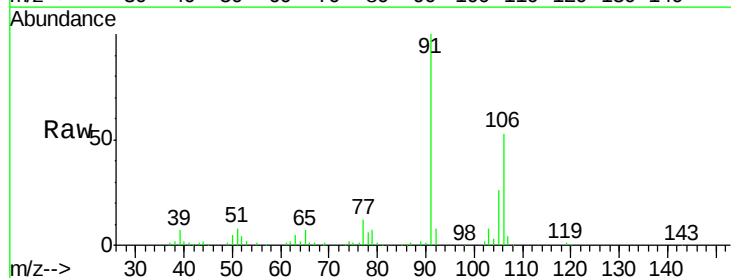
Instrument :
MSVOA_X
ClientSampled :
TP-H-S

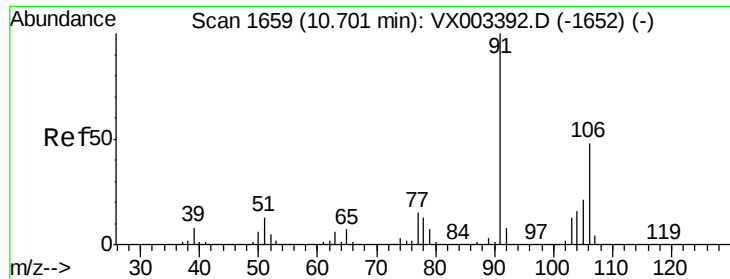
Tot Ion: 91 Resp: 12486
Ion Ratio Lower Upper
91 100
106 32.7 25.5 38.3



#68
m/p-Xylenes
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

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

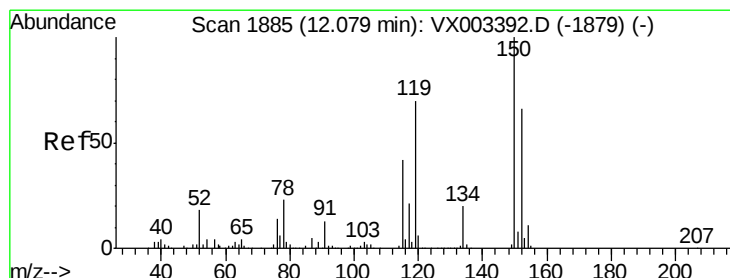
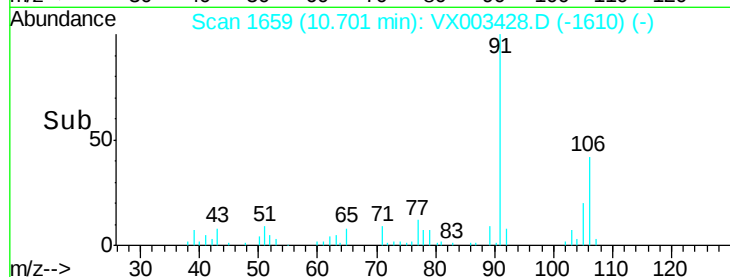
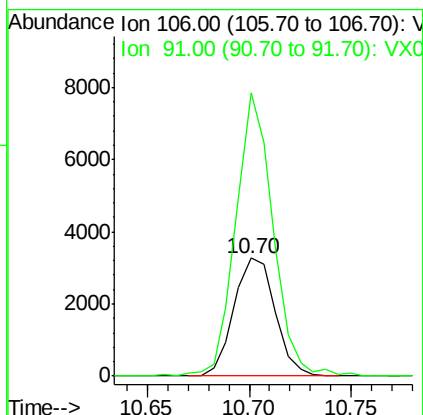
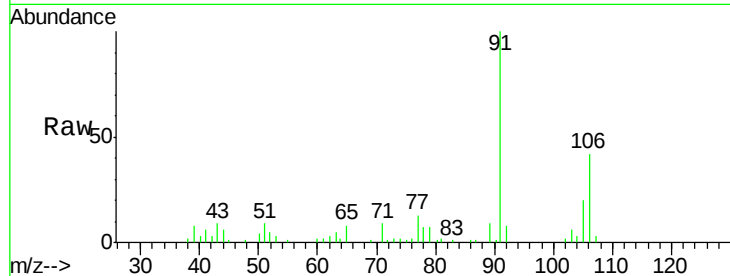




#69
o-Xylene
Concen: 0.81 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003428.D
Acq: 17 Jul 2018 15:27

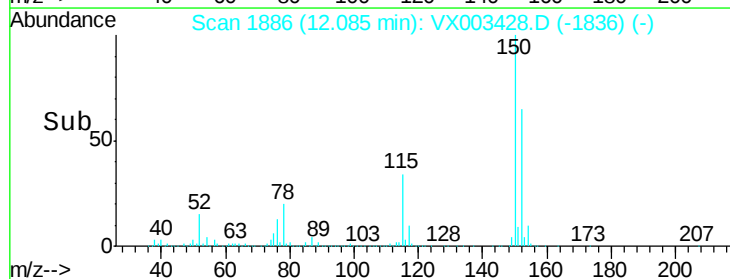
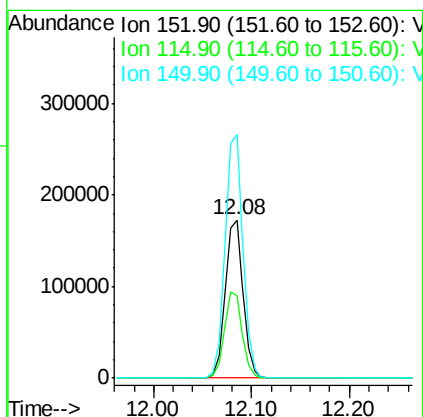
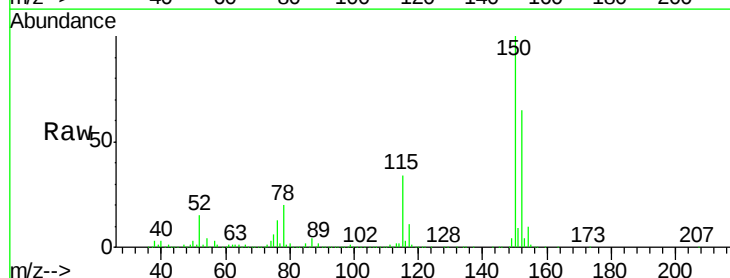
Instrument :
MSVOA_X
ClientSampled :
TP-H-S

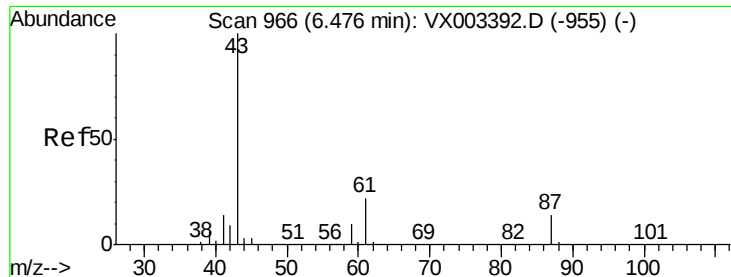
Tot Ion:106 Resp: 4581
Ion Ratio Lower Upper
106 100
91 218.0 108.2 324.6



#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-amvl 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

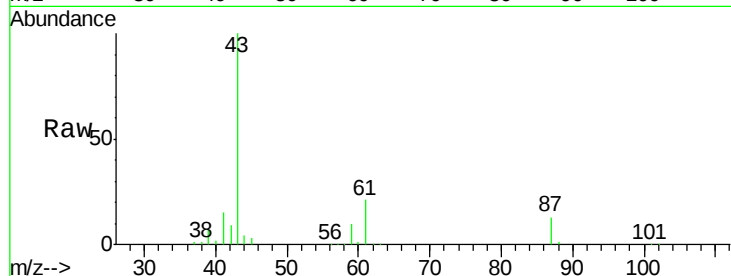
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 21.4 14.4 21.6

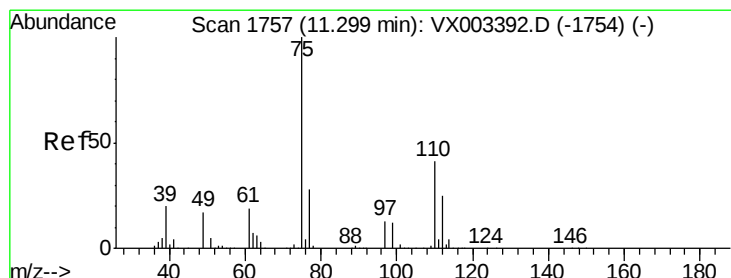
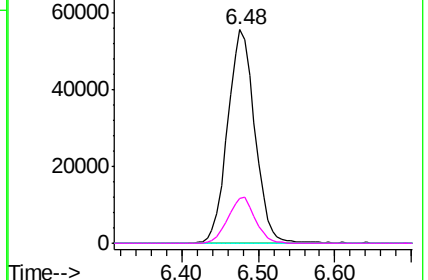
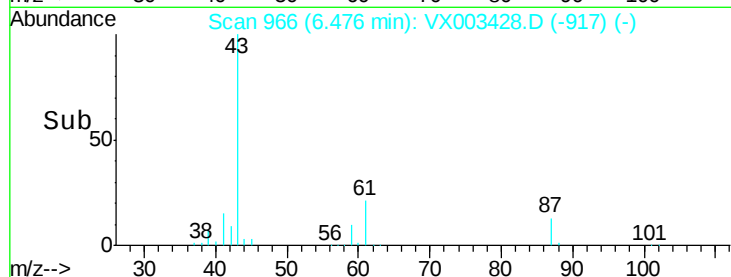


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 24.48 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003428.D

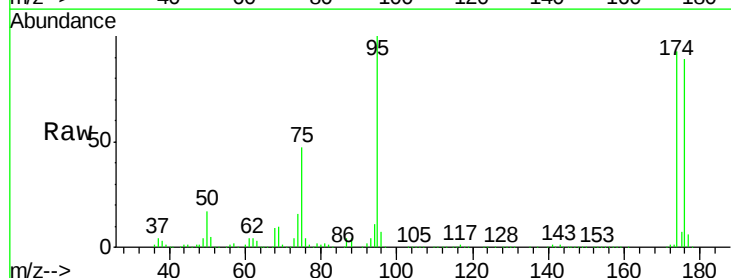
Acq: 17 Jul 2018 15:27

Tgt Ion: 75 Resp: 96174

Ion Ratio Lower Upper

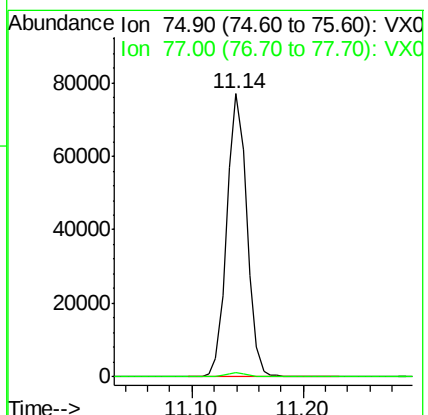
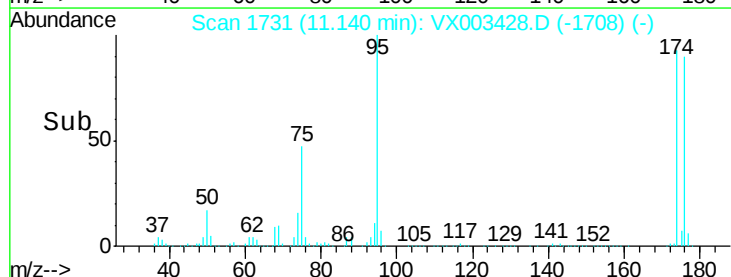
75 100

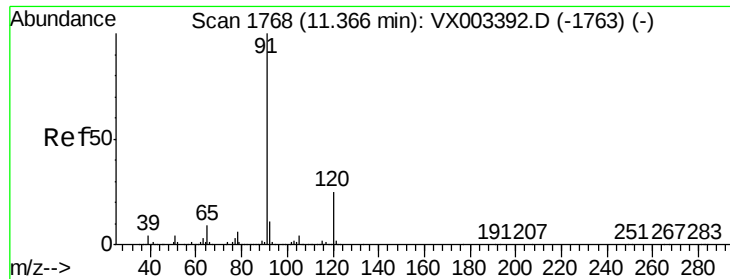
77 1.7 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.58 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

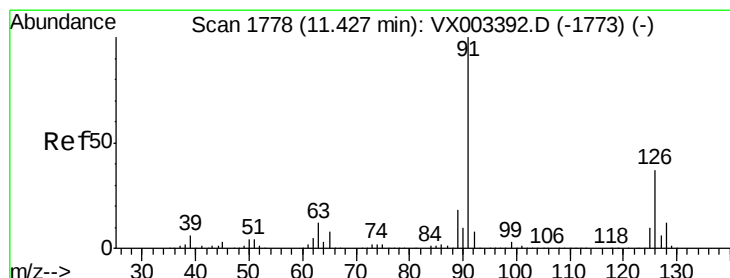
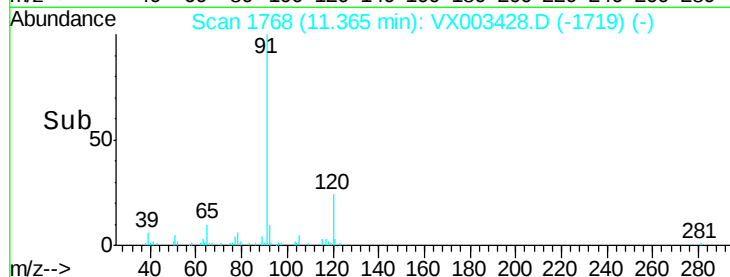
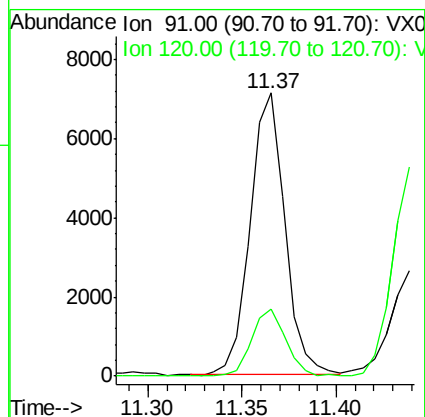
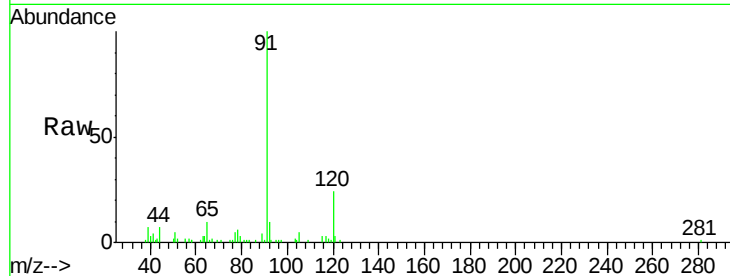
TP-H-S

Tot Ion: 91 Resp: 9009

Ion Ratio Lower Upper

91 100

120 23.6 11.8 35.4



#79

2-Chlorotoluene

Concen: 0.45 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VX003428.D

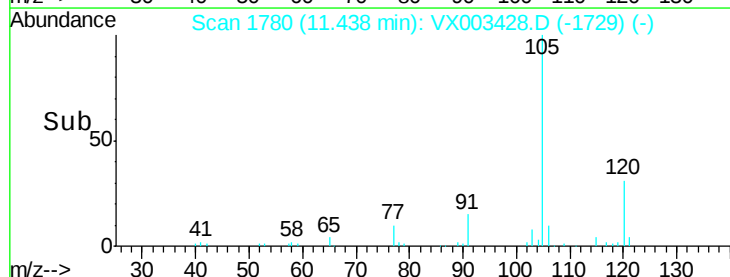
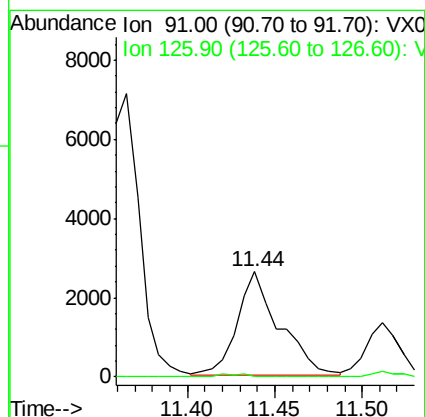
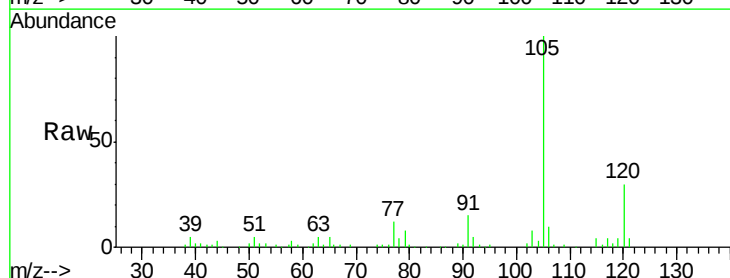
Acq: 17 Jul 2018 15:27

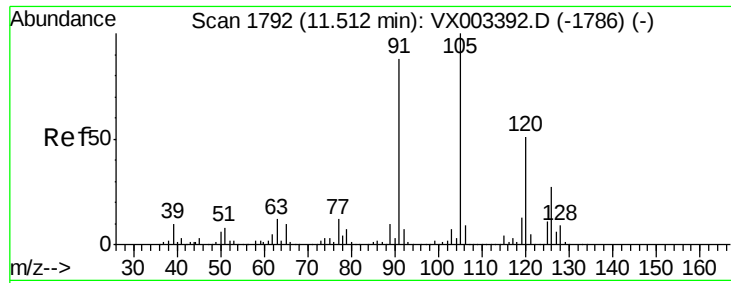
Tgt Ion: 91 Resp: 4317

Ion Ratio Lower Upper

91 100

126 1.6 17.7 53.1#





#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

Instrument :

MSVOA_X

ClientSampled :

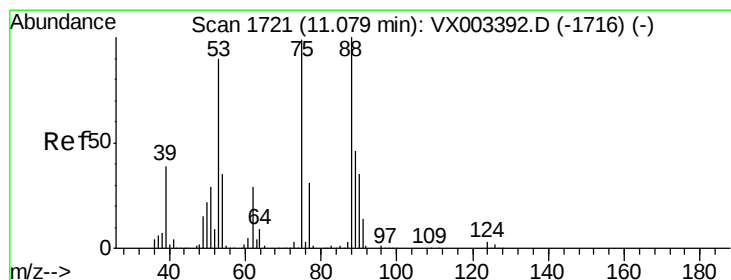
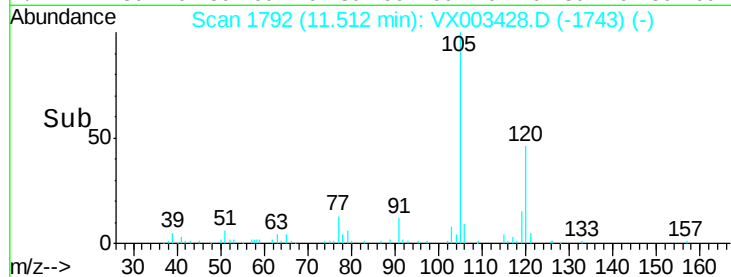
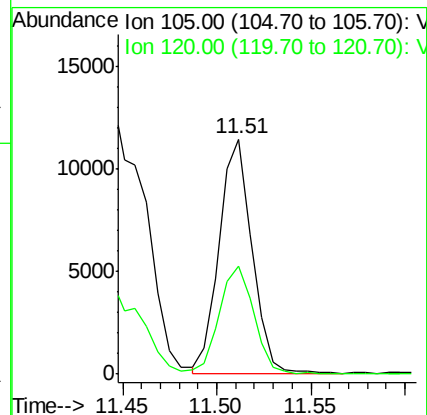
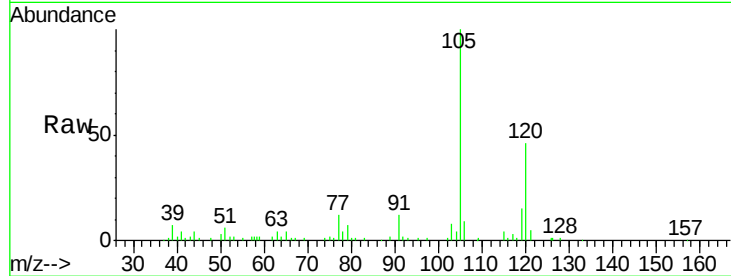
TP-H-S

Tot Ion:105 Resp: 13925

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.4



#81

trans-1,4-Dichloro-2-butene

Concen: 79.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

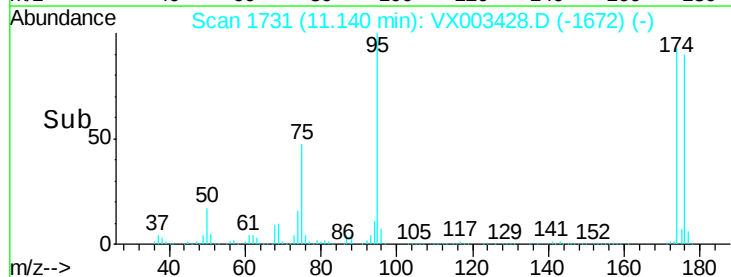
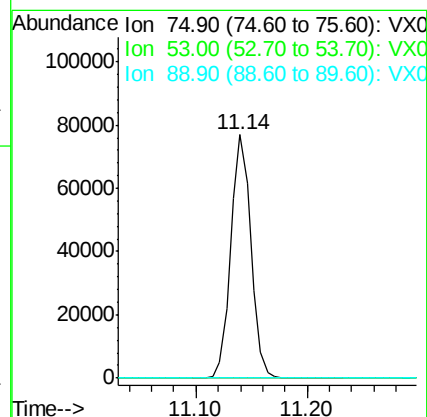
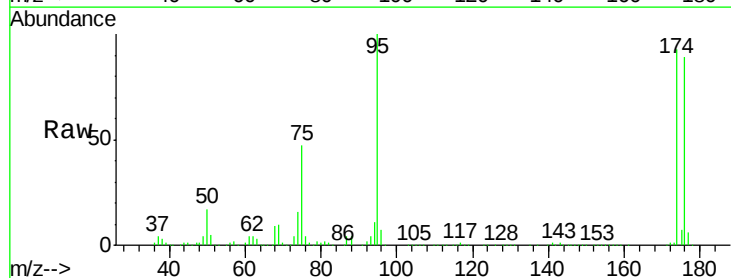
Tgt Ion: 75 Resp: 96174

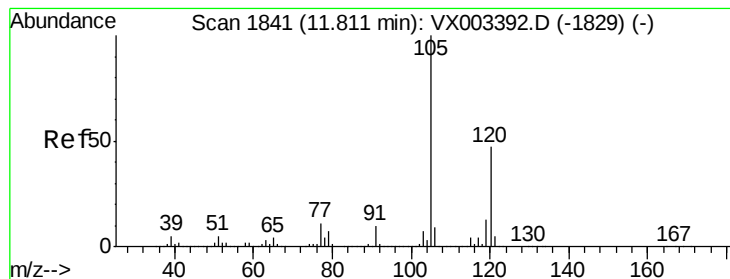
Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#





#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

ClientSampled :

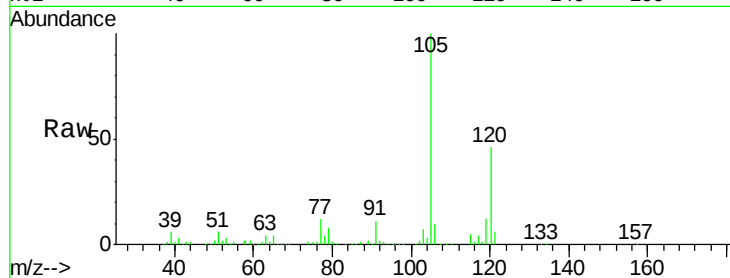
TP-H-S

Tot Ion:105 Resp: 45196

Ion Ratio Lower Upper

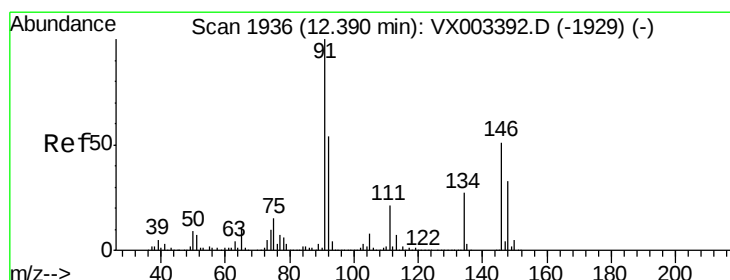
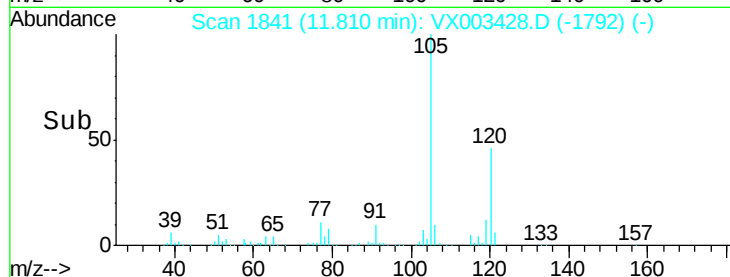
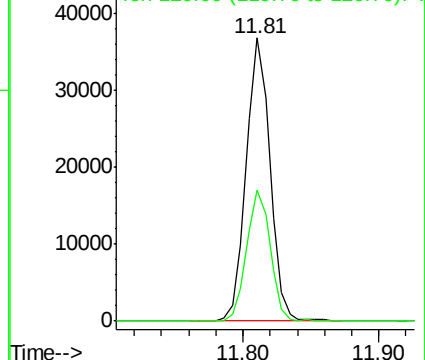
105 100

120 46.2 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#89

n-Butylbenzene

Concen: 0.38 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

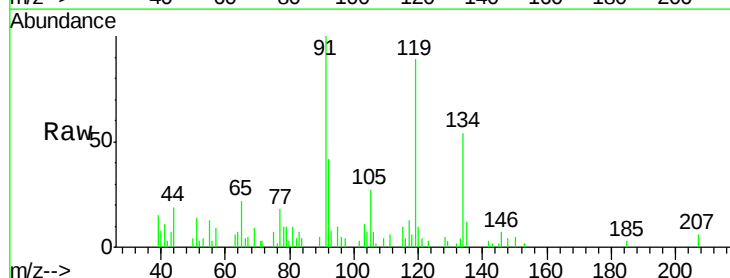
Tgt Ion: 91 Resp: 3864

Ion Ratio Lower Upper

91 100

92 35.7 26.0 78.0

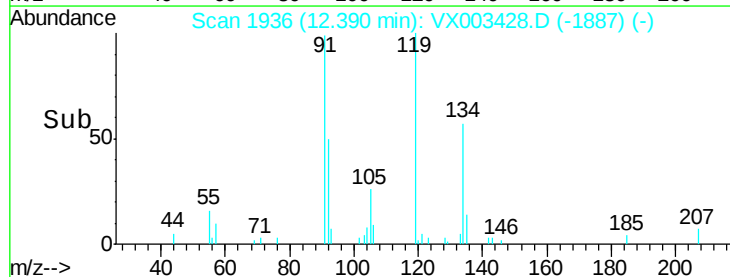
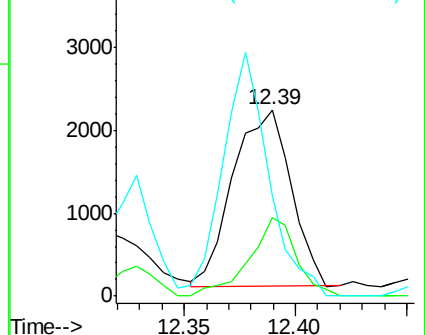
134 109.1 13.5 40.5#

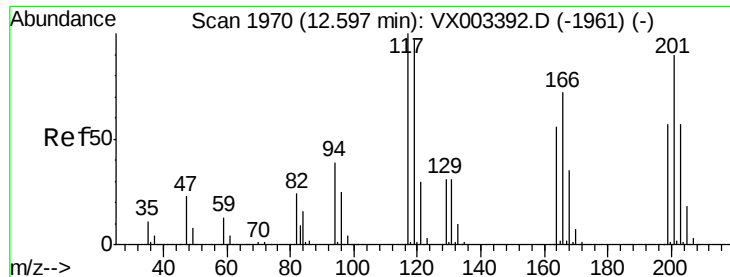


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.35 ug/l

RT: 12.58 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VX003428.D

Acq: 17 Jul 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

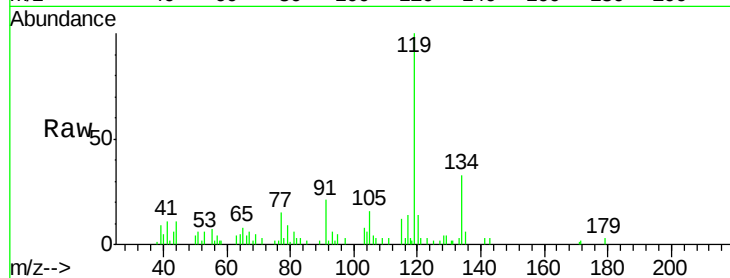
TP-H-S

Tot Ion:117 Resp: 639

Ion Ratio Lower Upper

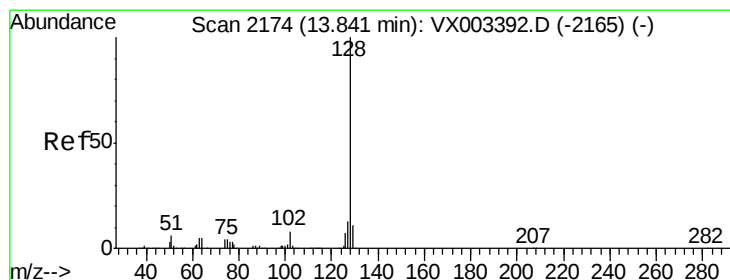
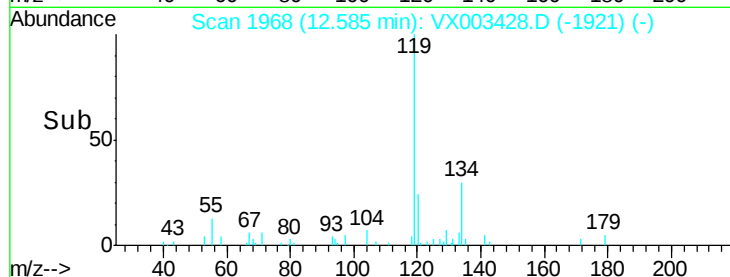
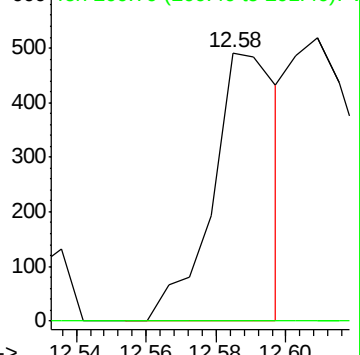
117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#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

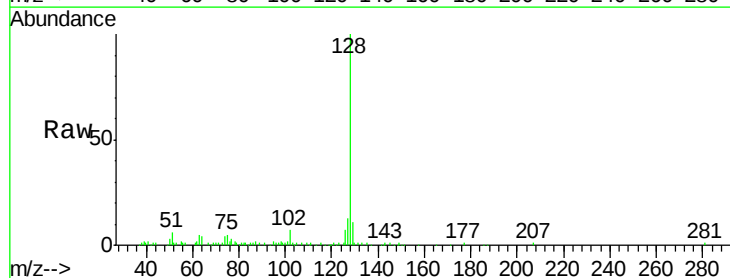
Tgt Ion:128 Resp: 28041

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

129 12.6 8.6 13.0



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

