

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
 Data File : VN051023.D
 Acq On : 4 Sep 2018 16:45
 Operator : MD\SY
 Sample : J4764-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP

Quant Time: Sep 05 02:27:30 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	583637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	945750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	818296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	297343	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	377910	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
35) Dibromofluoromethane	7.59	113	358013	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	10.09	98	1293285	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
62) 4-Bromofluorobenzene	12.40	95	353977	37.87	ug/l	0.00
Spiked Amount			Recovery	=	75.74%	

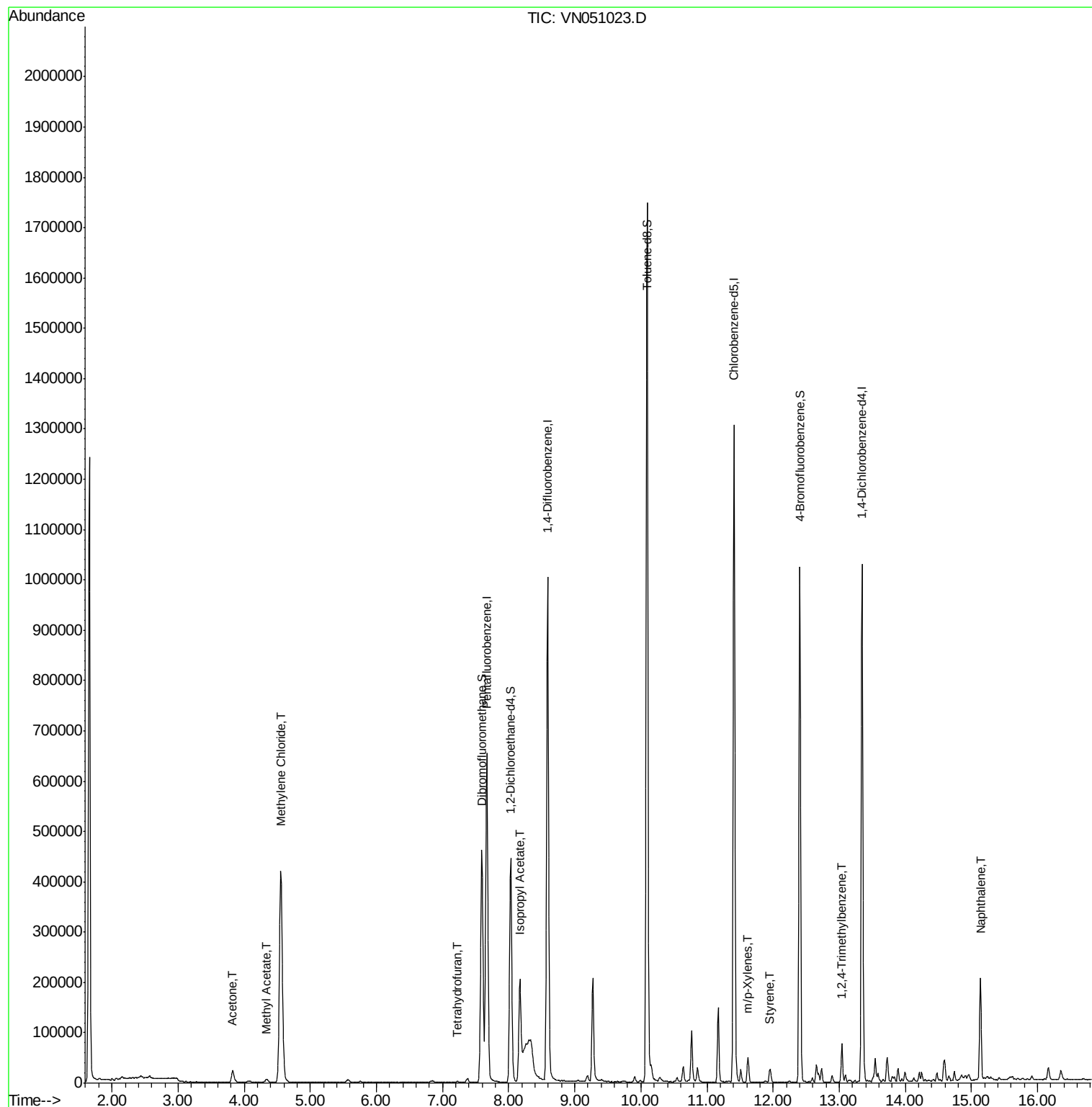
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	41460	18.37	ug/l	98
18) Methyl Acetate	4.33	43	14383	2.17	ug/l	92
20) Methylene Chloride	4.55	84	347887	43.93	ug/l	98
29) Tetrahydrofuran	7.22	42	1667	1.03	ug/l #	43
43) Isopropyl Acetate	8.17	43	253549	23.00	ug/l	95
68) m/p-Xylenes	11.62	106	16417	1.24	ug/l	92
70) Styrene	11.96	104	6409	1.55	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	40575	2.03	ug/l	95
95) Naphthalene	15.14	128	179719	18.89	ug/l	99

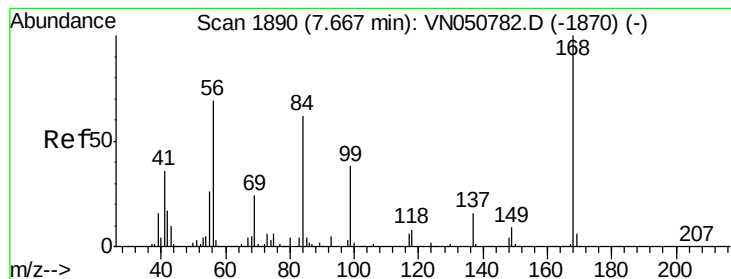
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN051023.D

Acq: 4 Sep 2018 16:45

Instrument :

MSVOA_N

ClientSampled :

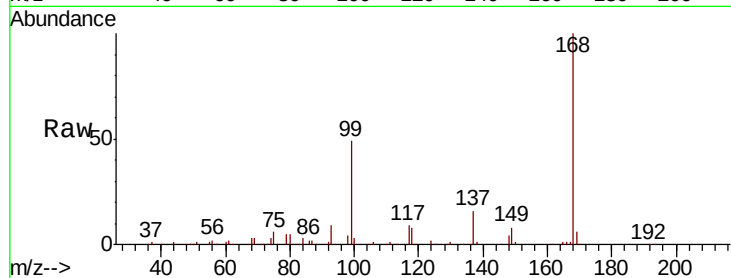
SP

Tot Ion:168 Resp: 583637

Ion Ratio Lower Upper

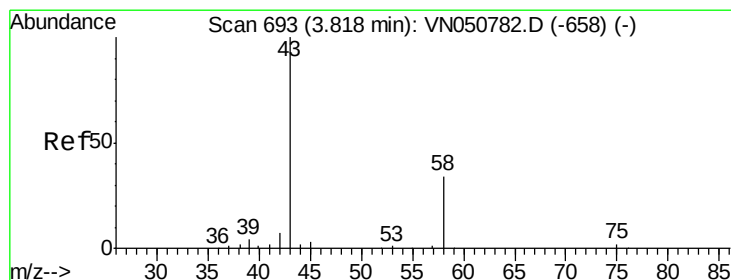
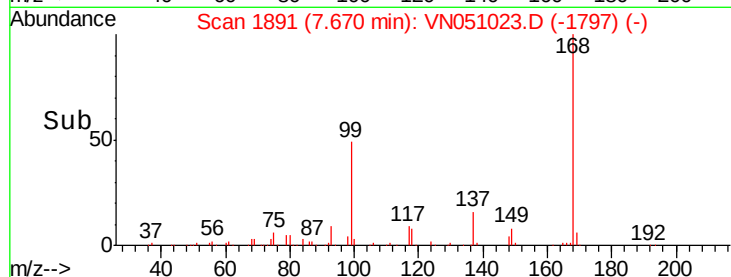
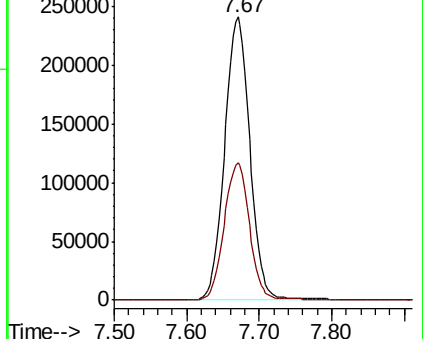
168 100

99 48.6 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 18.37 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN051023.D

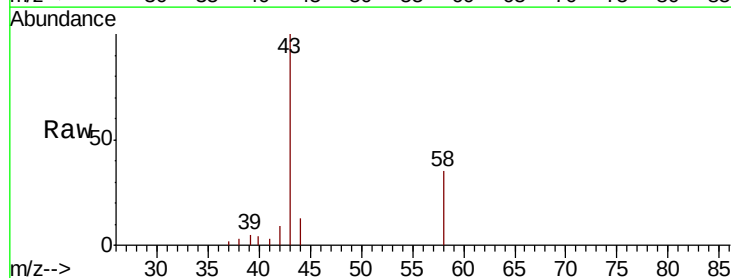
Acq: 4 Sep 2018 16:45

Tgt Ion: 43 Resp: 41460

Ion Ratio Lower Upper

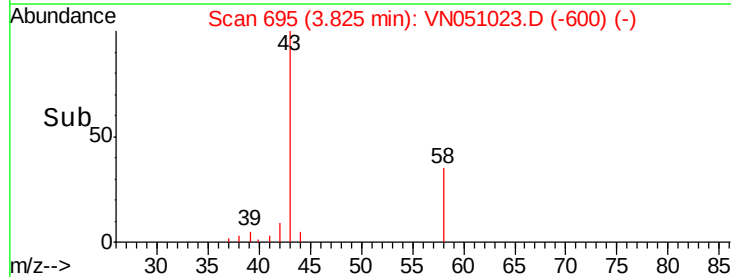
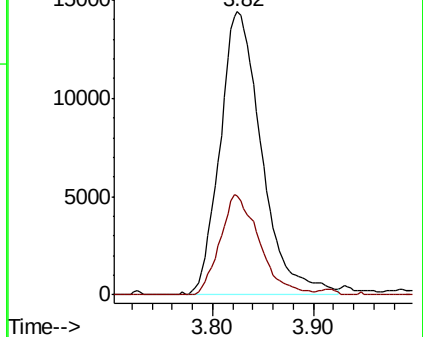
43 100

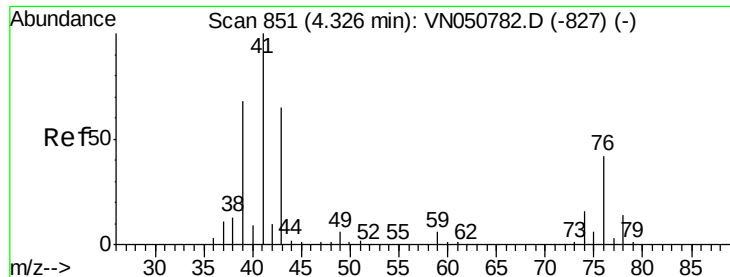
58 35.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

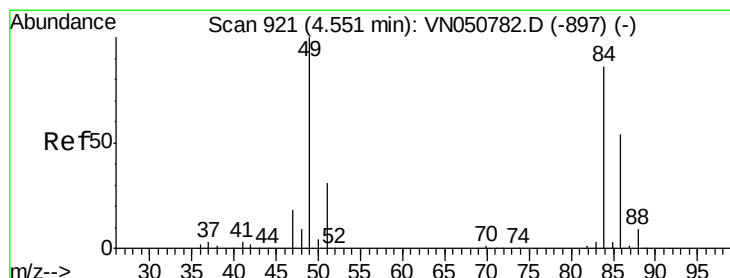
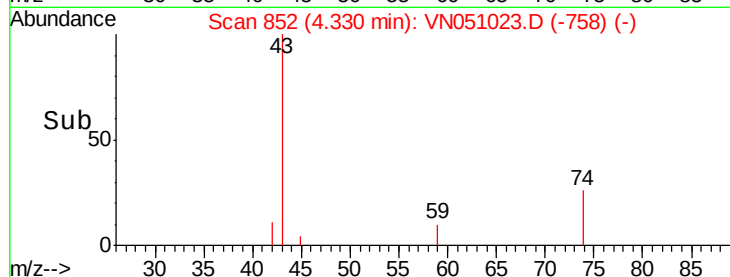
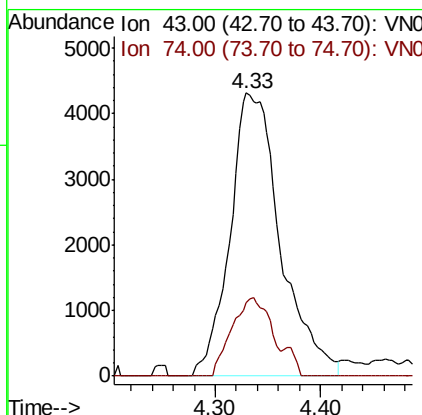
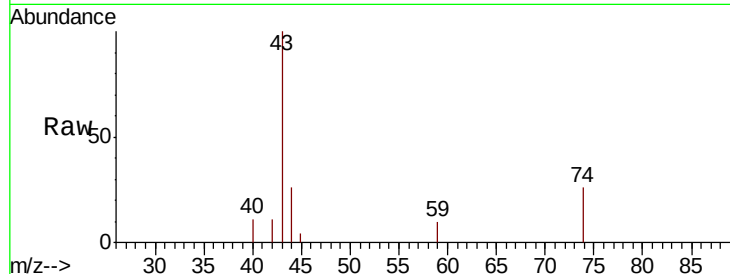




#18
Methvl Acetate
Concen: 2.17 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN051023.D
Acq: 4 Sep 2018 16:45

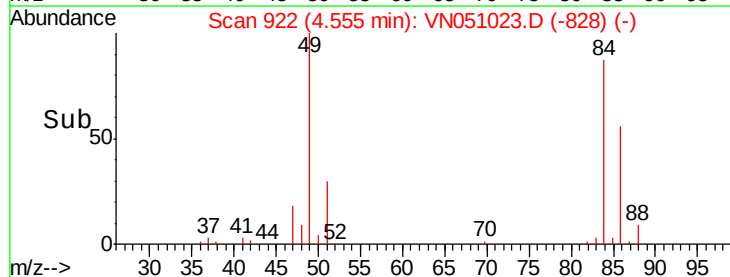
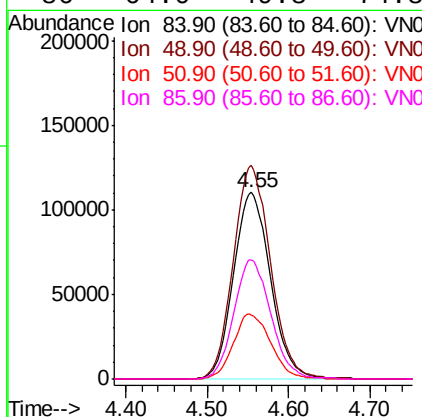
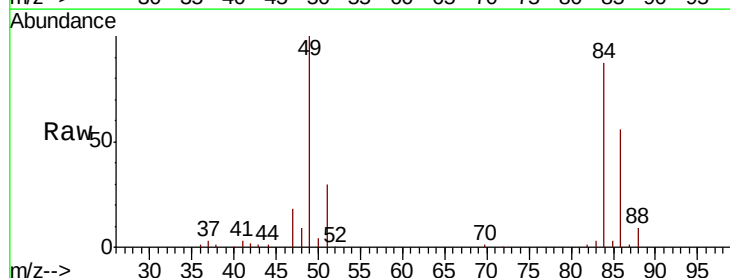
Instrument :
MSVOA_N
ClientSampled :
SP

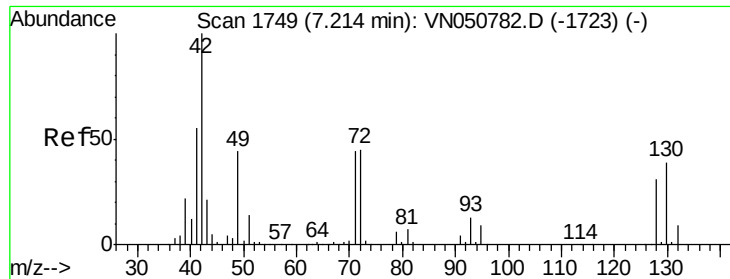
Tot Ion: 43 Resp: 14383
Ion Ratio Lower Upper
43 100
74 20.9 19.8 29.8



#20
Methylene Chloride
Concen: 43.93 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN051023.D
Acq: 4 Sep 2018 16:45

Tgt Ion: 84 Resp: 347887
Ion Ratio Lower Upper
84 100
49 114.5 93.2 139.8
51 34.3 29.0 43.6
86 64.0 49.8 74.8





#29

Tetrahydrofuran

Concen: 1.03 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN051023.D

Acq: 4 Sep 2018 16:45

Instrument :

MSVOA_N

ClientSampled :

SP

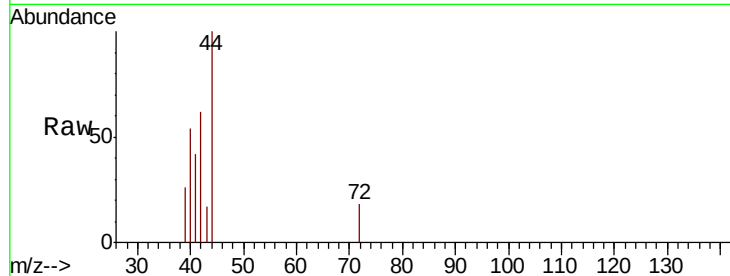
Tot Ion: 42 Resp: 1667

Ion Ratio Lower Upper

42 100

72 11.8 35.5 53.3#

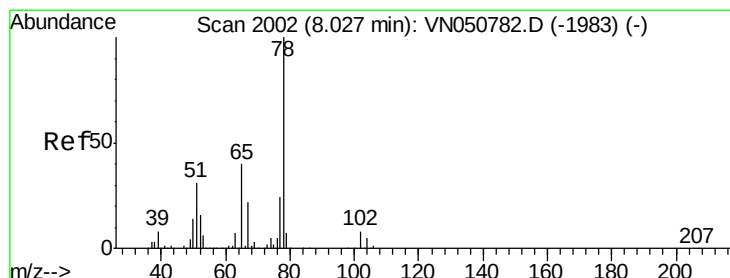
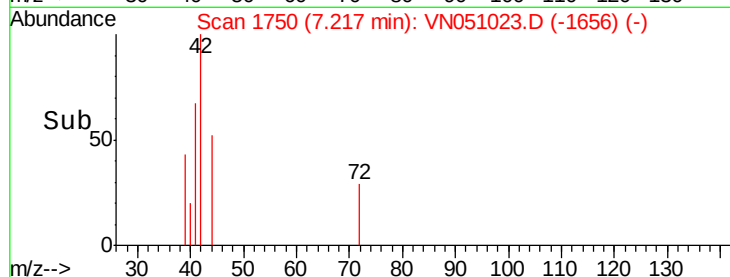
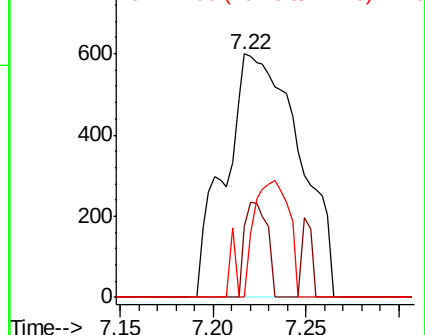
71 2.0 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.79 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN051023.D

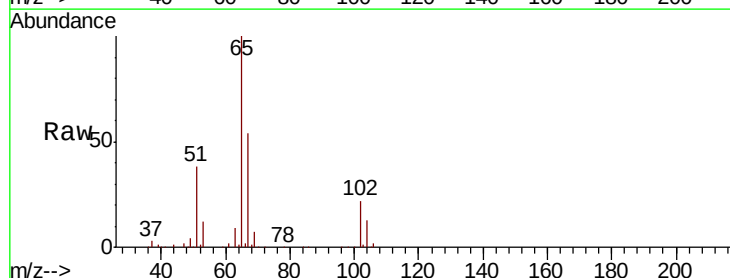
Acq: 4 Sep 2018 16:45

Tgt Ion: 65 Resp: 377910

Ion Ratio Lower Upper

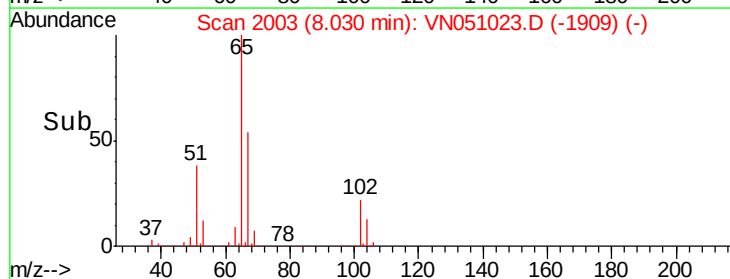
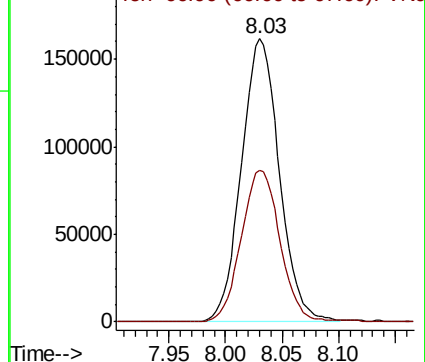
65 100

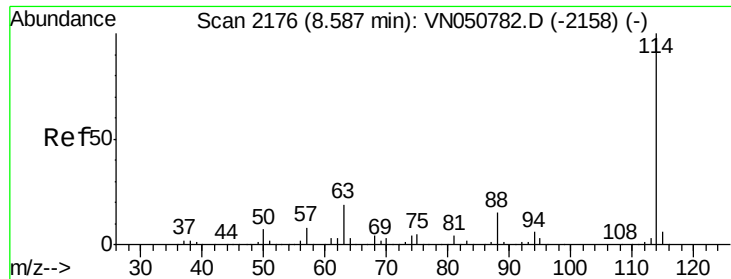
67 54.5 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

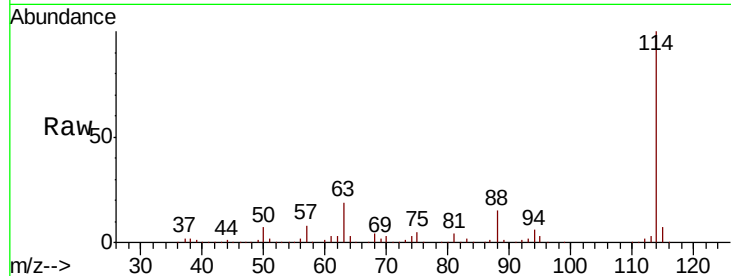




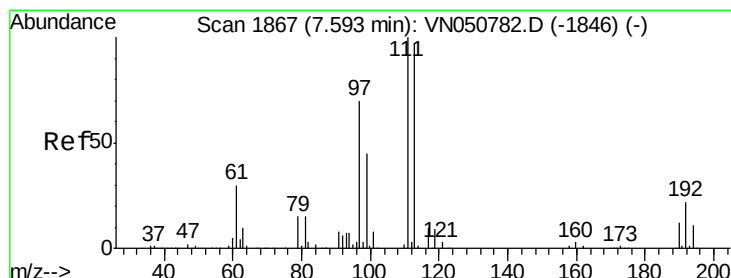
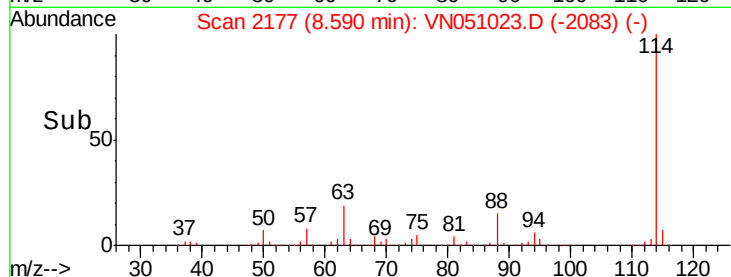
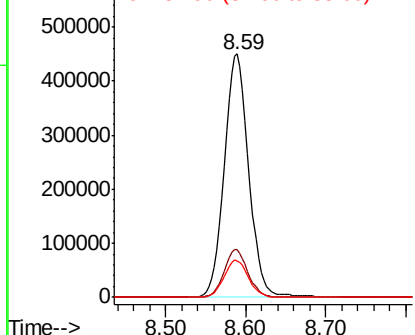
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN051023.D
 Acq: 4 Sep 2018 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 SP

Tot Ion:114 Resp: 945750
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.1 0.0 30.6

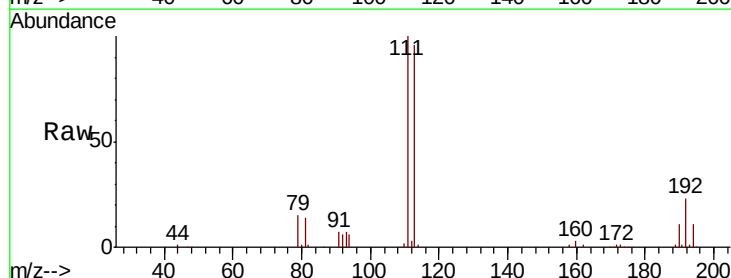


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

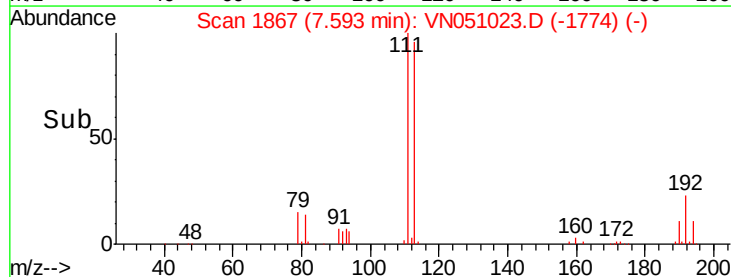
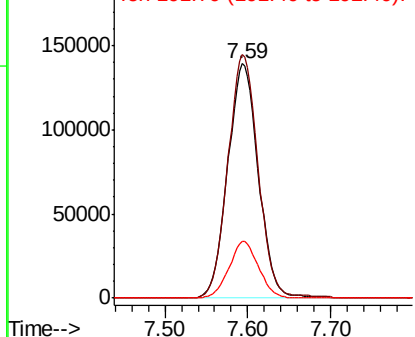


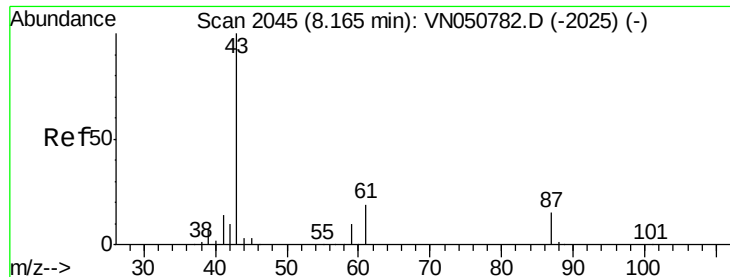
#35
 Dibromofluoromethane
 Concen: 47.58 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN051023.D
 Acq: 4 Sep 2018 16:45

Tgt Ion:113 Resp: 358013
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 23.3 18.0 27.0



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





#43

Isopropyl Acetate

Concen: 23.00 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN051023.D

Acq: 4 Sep 2018 16:45

Instrument :

MSVOA_N

ClientSampled :

SP

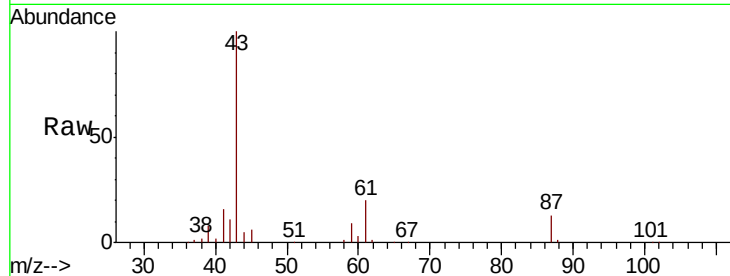
Tot Ion: 43 Resp: 253549

Ion Ratio Lower Upper

43 100

61 19.1 17.5 26.3

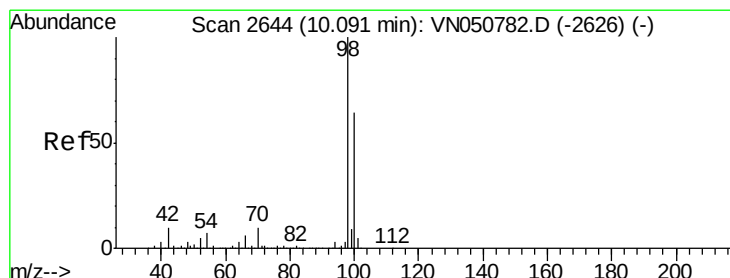
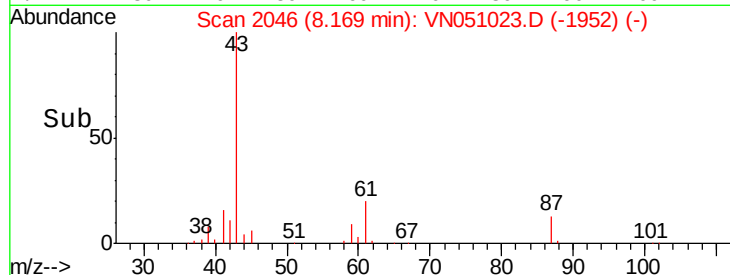
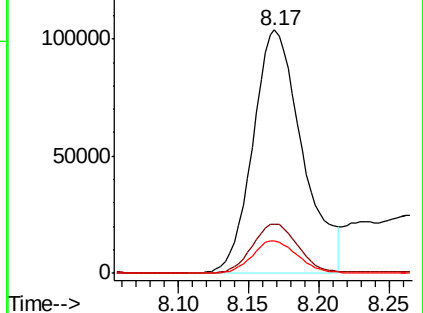
87 12.3 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 45.98 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN051023.D

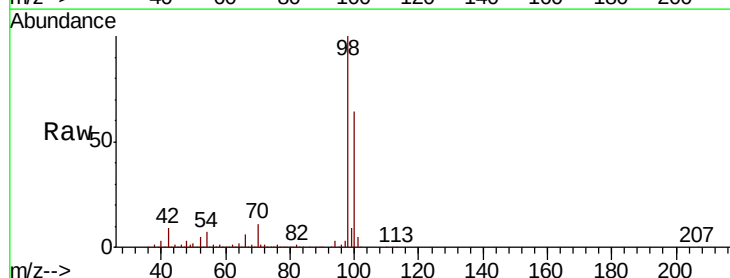
Acq: 4 Sep 2018 16:45

Tgt Ion: 98 Resp: 1293285

Ion Ratio Lower Upper

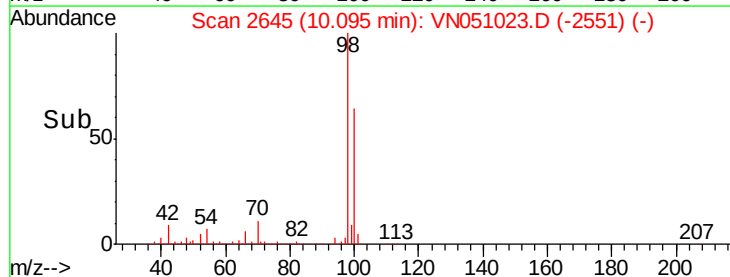
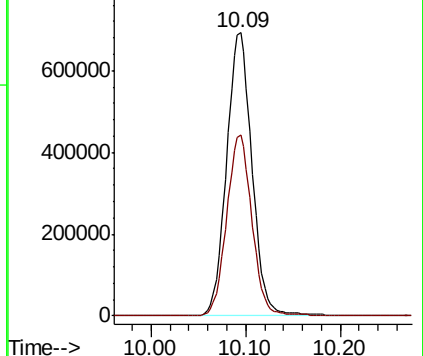
98 100

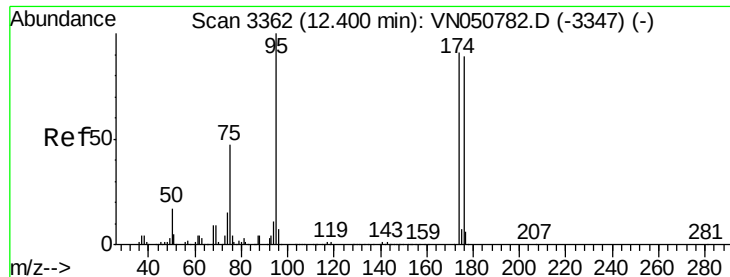
100 63.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

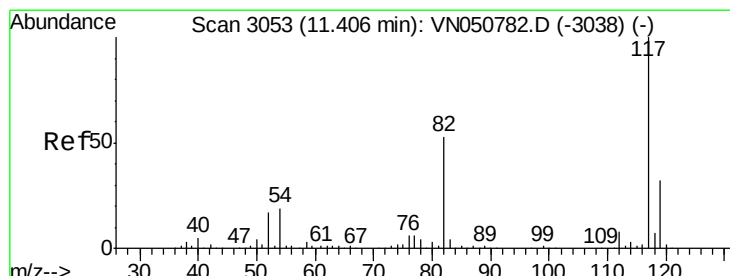
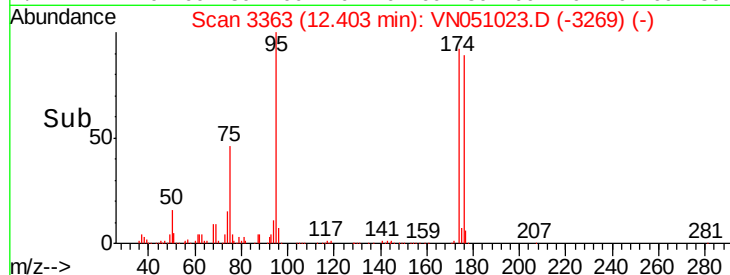
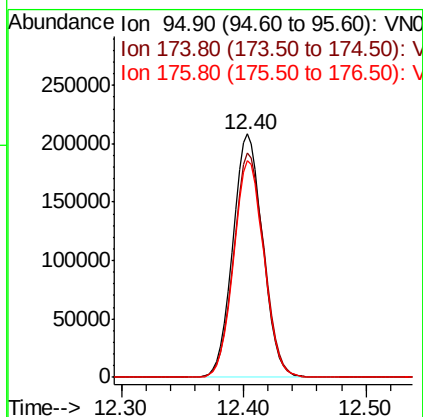
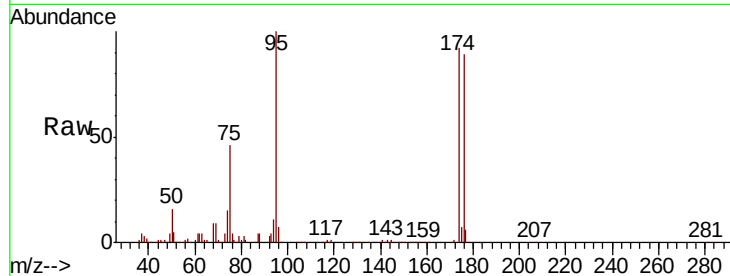




#62
4-Bromofluorobenzene
Concen: 37.87 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN051023.D
Acq: 4 Sep 2018 16:45

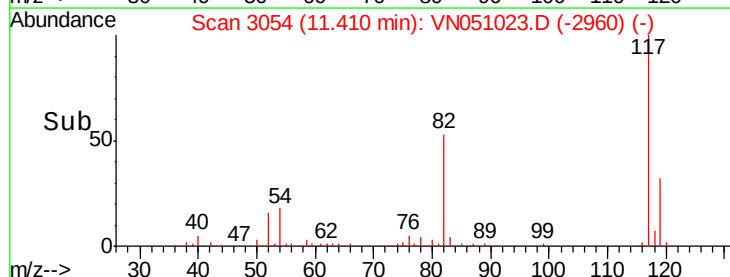
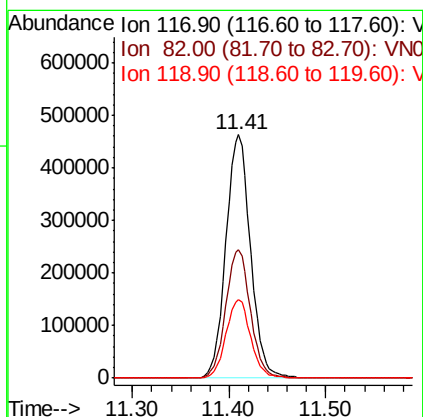
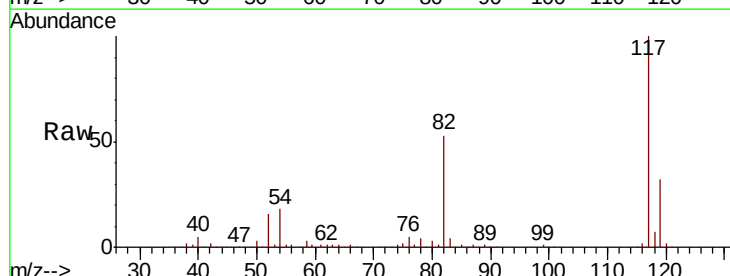
Instrument :
MSVOA_N
ClientSampled :
SP

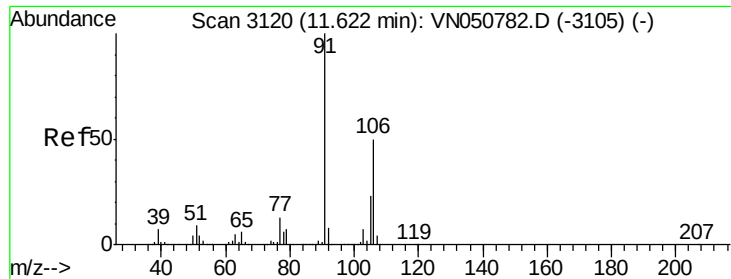
Tot Ion: 95 Resp: 353977
Ion Ratio Lower Upper
95 100
174 93.7 0.0 183.0
176 89.9 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN051023.D
Acq: 4 Sep 2018 16:45

Tgt Ion: 117 Resp: 818296
Ion Ratio Lower Upper
117 100
82 52.6 42.6 64.0
119 32.3 25.8 38.6

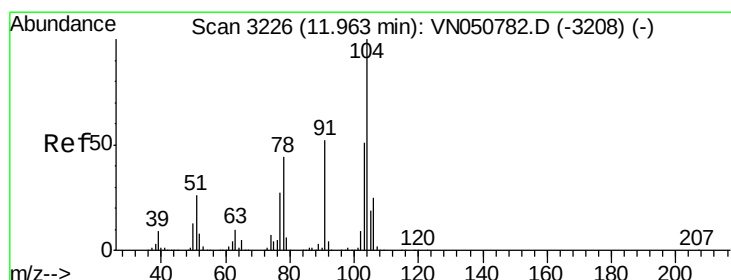
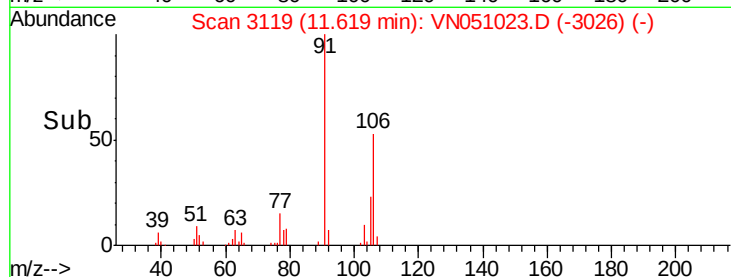
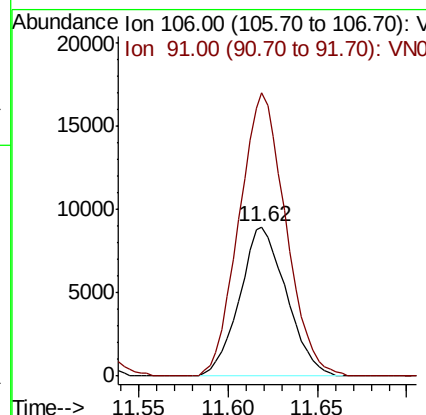
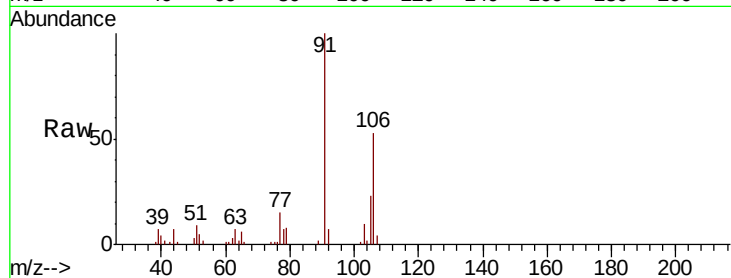




#68
m/p-Xylenes
Concen: 1.24 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN051023.D
Acq: 4 Sep 2018 16:45

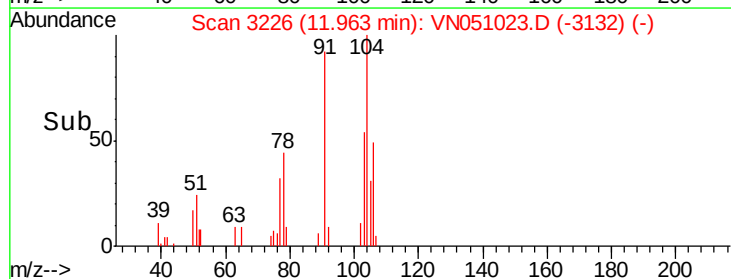
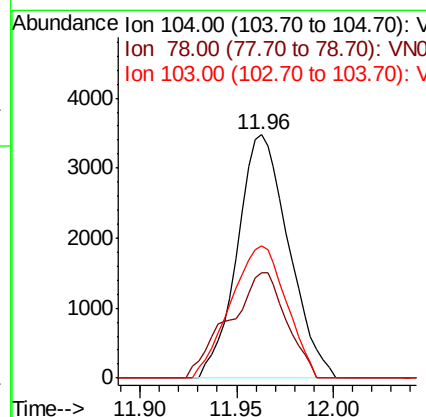
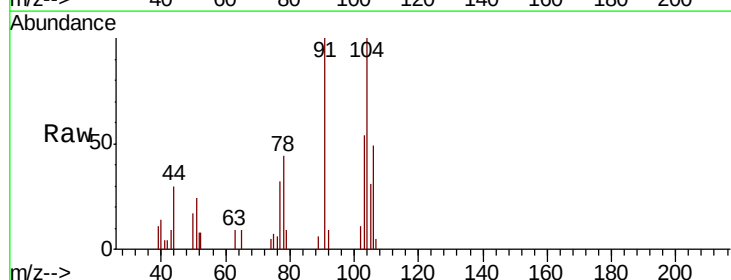
Instrument :
MSVOA_N
ClientSampled :
SP

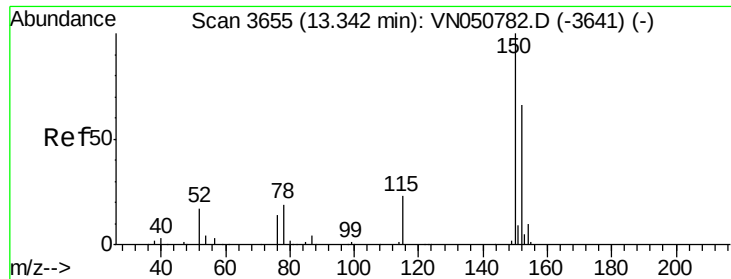
Tot Ion:106 Resp: 16417
Ion Ratio Lower Upper
106 100
91 189.3 161.0 241.6



#70
Styrene
Concen: 1.55 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN051023.D
Acq: 4 Sep 2018 16:45

Tgt Ion:104 Resp: 6409
Ion Ratio Lower Upper
104 100
78 48.7 38.2 57.4
103 58.9 44.4 66.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN051023.D

Acq: 4 Sep 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

SP

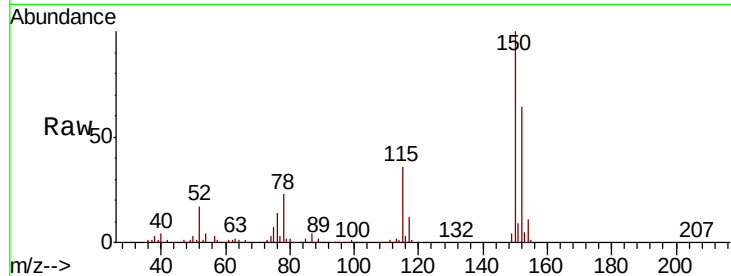
Tot Ion:152 Resp: 297343

Ion Ratio Lower Upper

152 100

115 56.3 27.8 83.4

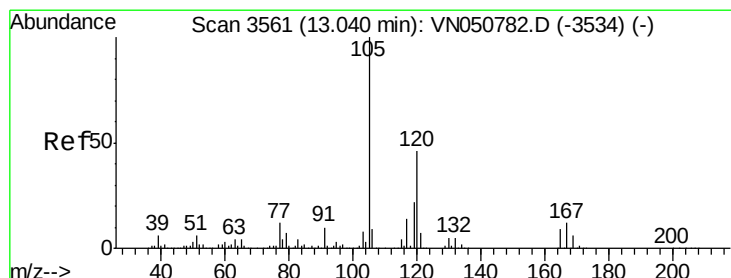
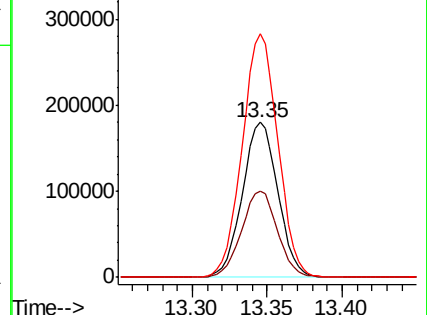
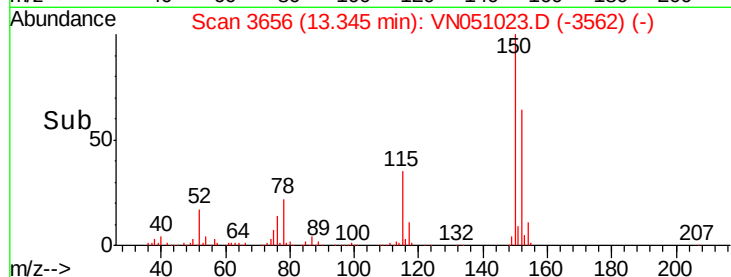
150 157.5 0.0 351.4



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



#84

1,2,4-Trimethylbenzene

Concen: 2.03 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN051023.D

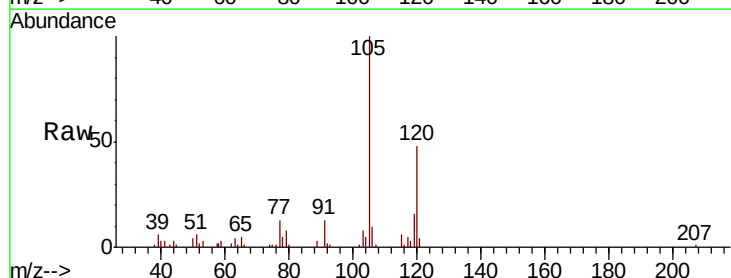
Acq: 4 Sep 2018 16:45

Tgt Ion:105 Resp: 40575

Ion Ratio Lower Upper

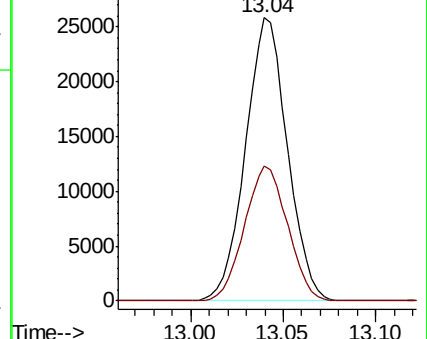
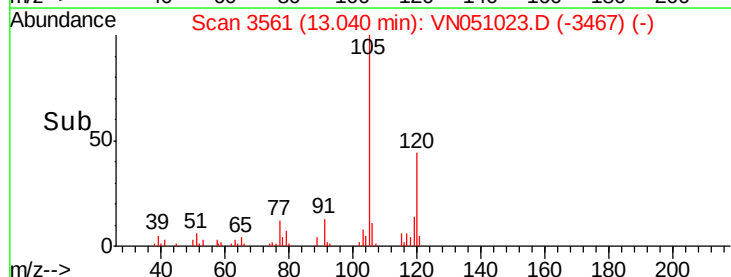
105 100

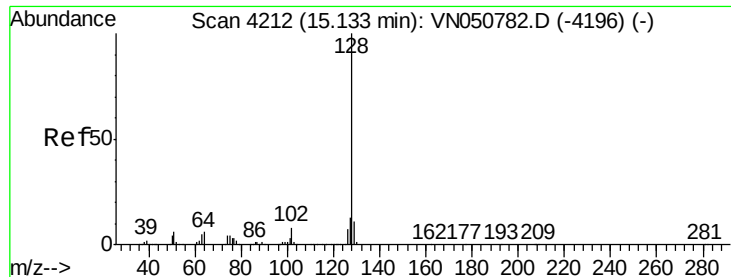
120 49.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 18.89 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN051023.D
Acq: 4 Sep 2018 16:45

Instrument :
MSVOA_N
ClientSampleId :
SP

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	10.8	8.7	13.1

