

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
 Data File : VN051036.D
 Acq On : 6 Sep 2018 16:53
 Operator : MD\SY
 Sample : J4819-02DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(SEP)DL

Quant Time: Sep 07 00:56:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	131638	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	645321	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	577435	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	254722	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	12.40	95	208509	24.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.93%
63) Toluene-d8	10.09	98	770894	28.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.43%

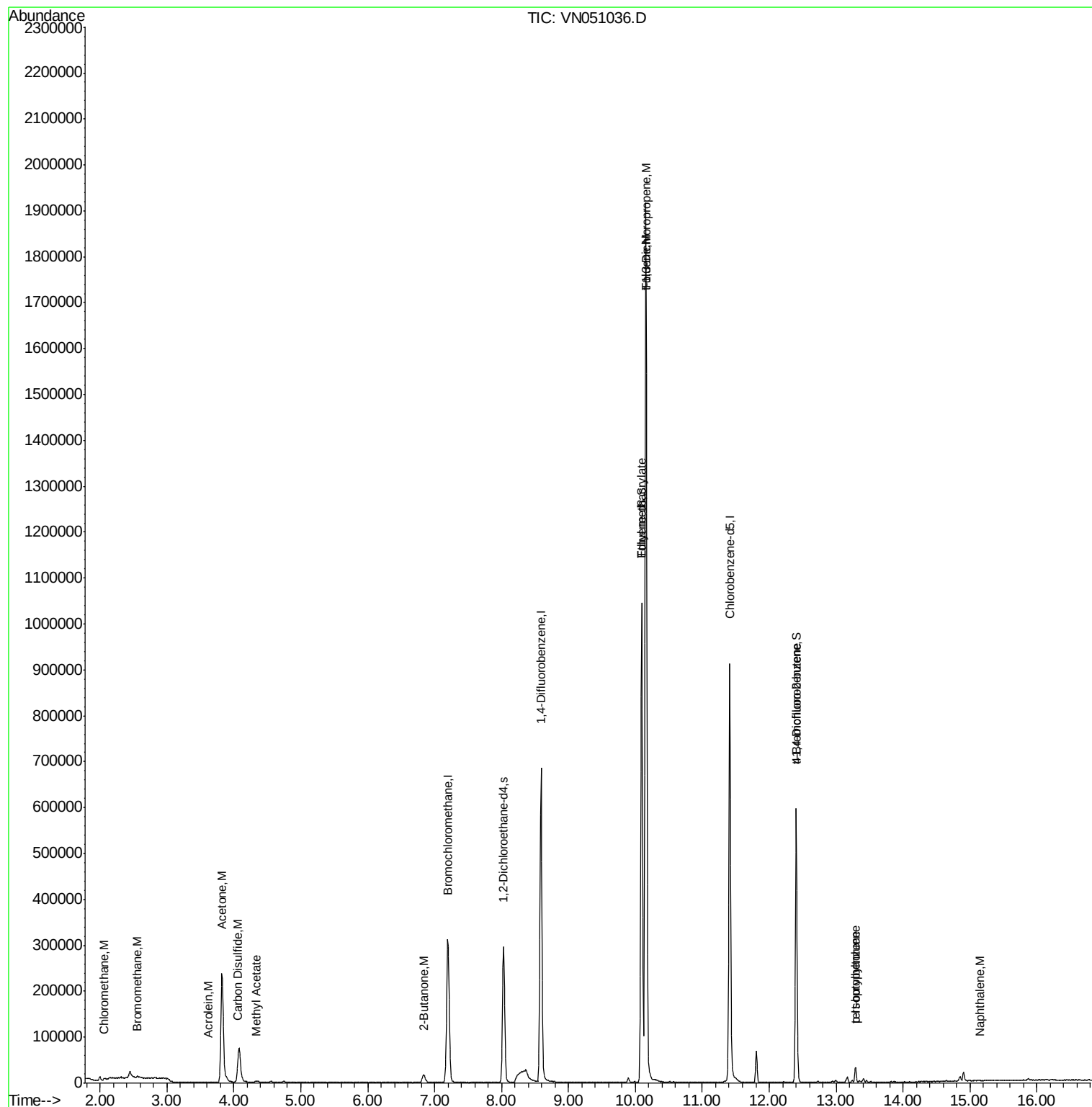
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.06	50	2291	0.24	ug/l	98
5) Bromomethane	2.56	94	1801	0.31	ug/l	87
12) Methyl Acetate	4.33	43	4367	0.53	ug/l	97
13) Acrolein	3.60	56	95	0.52	ug/l #	13
15) Acetone	3.82	58	136475	191.78	ug/l	94
16) Carbon Disulfide	4.05	76	5524	0.26	ug/l	99
30) 2-Butanone	6.84	43	3076	1.03	ug/l #	72
48) t-1,3-Dichloropropene	10.16	75	9784	1.01	ug/l #	1
51) Ethyl methacrylate	10.10	69	2530	0.30	ug/l	93
62) Toluene	10.16	91	1548942	48.08	ug/l	100
77) t-1,4-Dichloro-2-butene	12.40	75	96372	44.42	ug/l #	13
79) tert-butylbenzene	13.29	119	16438	0.71	ug/l	64
82) p-Isopropyltoluene	13.29	119	16438	0.63	ug/l	91
91) Naphthalene	15.14	128	590	8.61	ug/l #	69

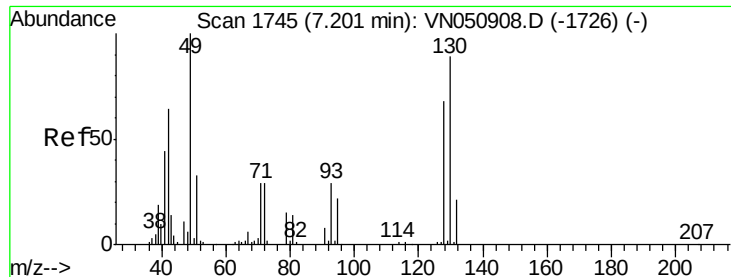
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051036.D

Acq: 6 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE(SEP)DL

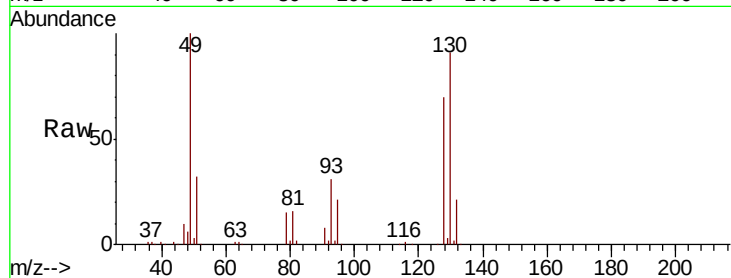
Tot Ion:128 Resp: 131638

Ion Ratio Lower Upper

128 100

49 146.0 0.0 380.3

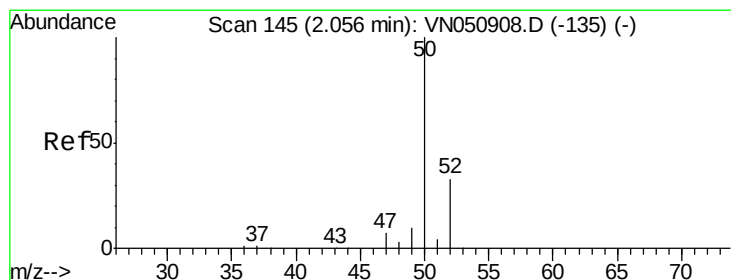
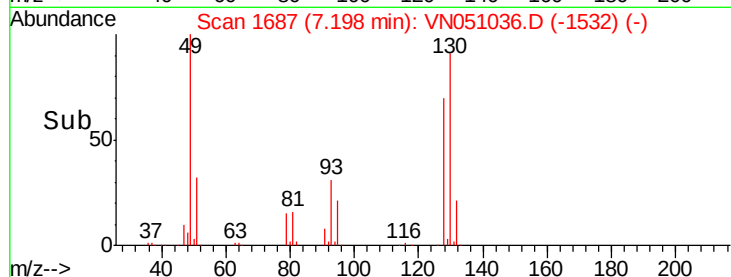
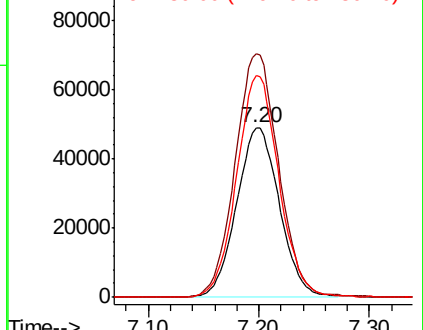
130 129.2 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.24 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051036.D

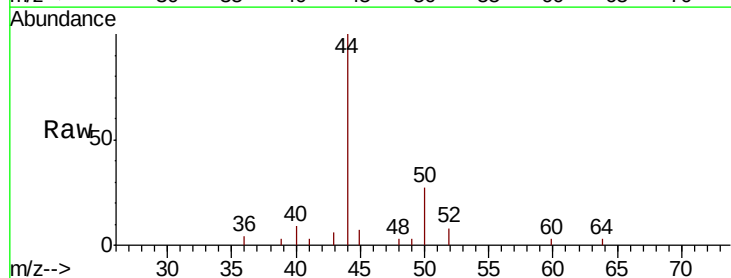
Acq: 6 Sep 2018 16:53

Tgt Ion: 50 Resp: 2291

Ion Ratio Lower Upper

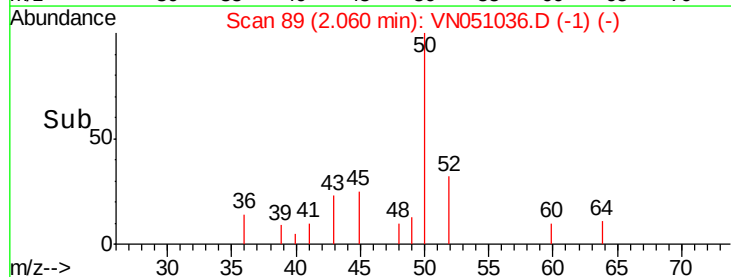
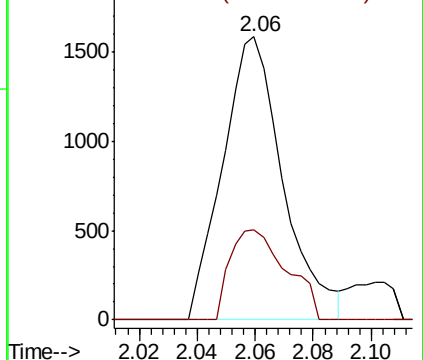
50 100

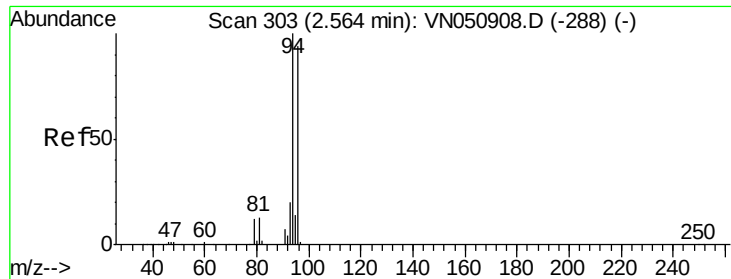
52 31.6 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#5

Bromomethane

Concen: 0.31 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051036.D

Acq: 6 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

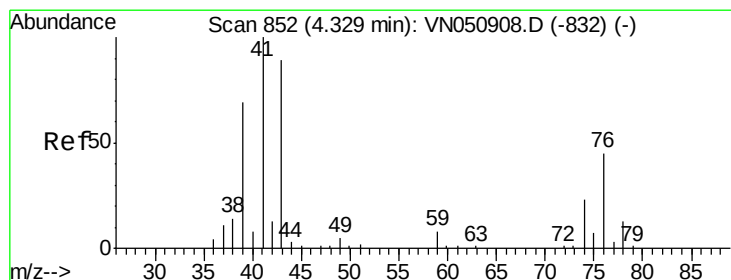
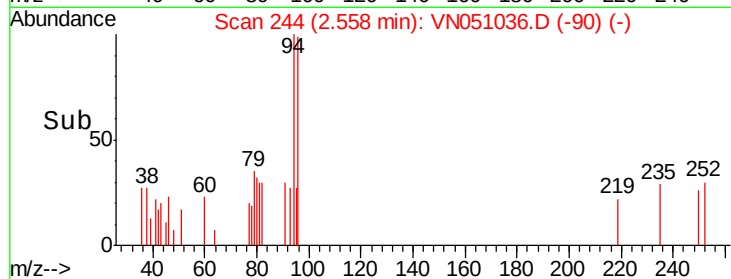
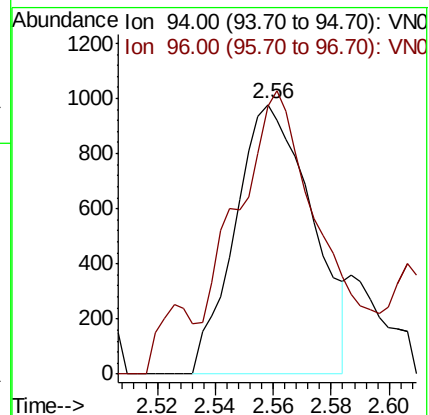
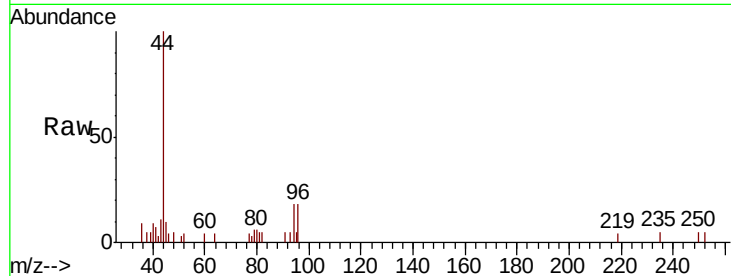
002M-35TH-AVE(SEP)DL

Tot Ion: 94 Resp: 1801

Ion Ratio Lower Upper

94 100

96 80.8 74.9 112.3



#12

Methyl Acetate

Concen: 0.53 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN051036.D

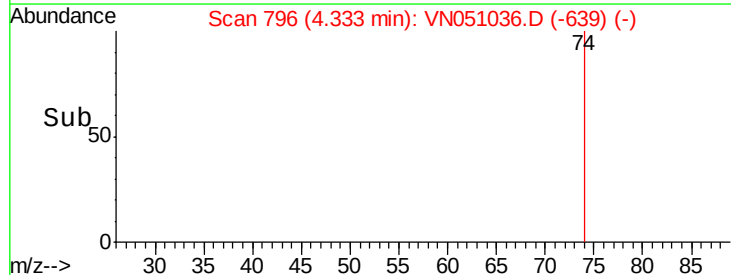
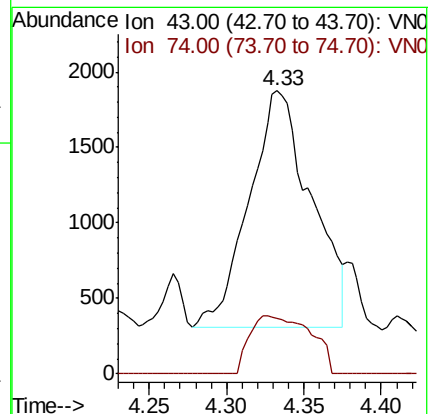
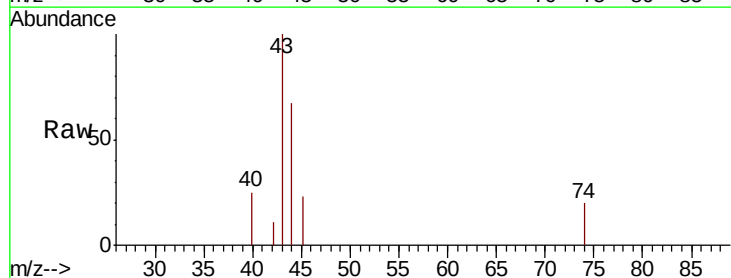
Acq: 6 Sep 2018 16:53

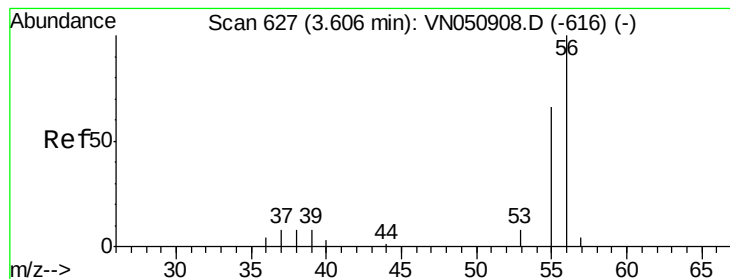
Tgt Ion: 43 Resp: 4367

Ion Ratio Lower Upper

43 100

74 27.3 20.6 31.0





#13

Acrolein

Concen: 0.52 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN051036.D

Acq: 6 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

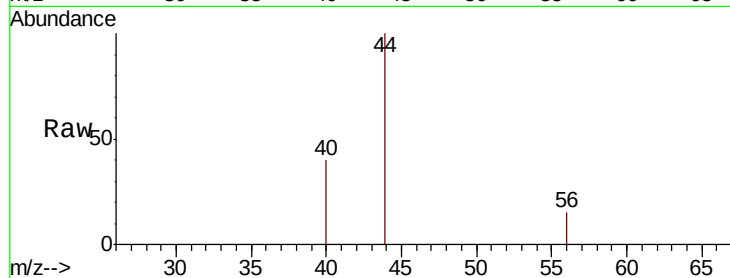
002M-35TH-AVE(SEP)DL

Tot Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 0.0 59.1 88.7#



Abundance Ion 56.00 (55.70 to 56.70): VN051036.D (-414) (-)

Ion 55.00 (54.70 to 55.70): VN051036.D (-414) (-)

3.60

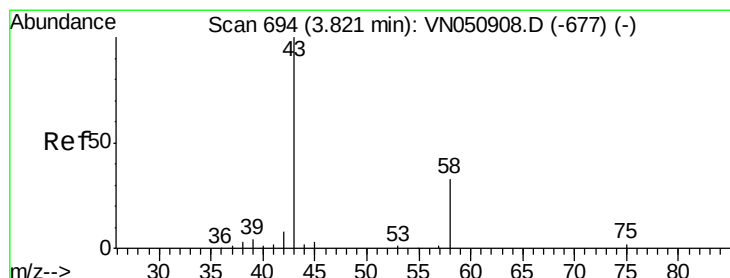
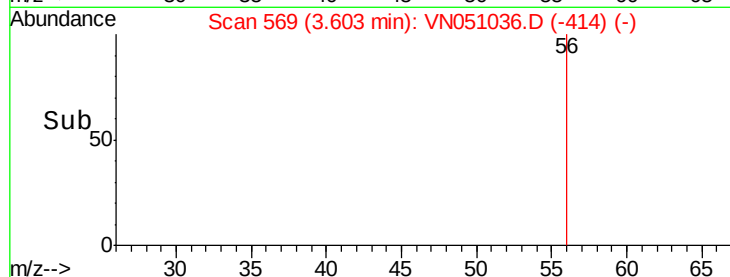
150

100

50

0

Time-->



#15

Acetone

Concen: 191.78 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051036.D

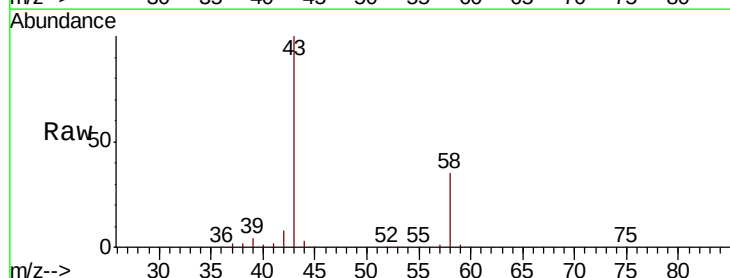
Acq: 6 Sep 2018 16:53

Tgt Ion: 58 Resp: 136475

Ion Ratio Lower Upper

58 100

43 287.5 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN051036.D (-481) (-)

Ion 43.00 (42.70 to 43.70): VN051036.D (-481) (-)

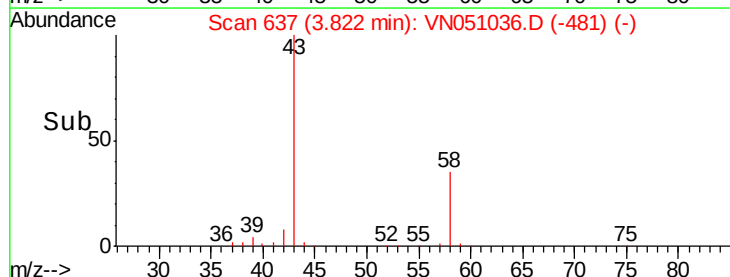
150000

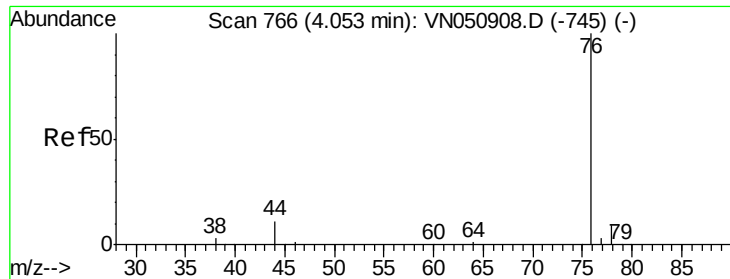
100000

50000

0

Time-->

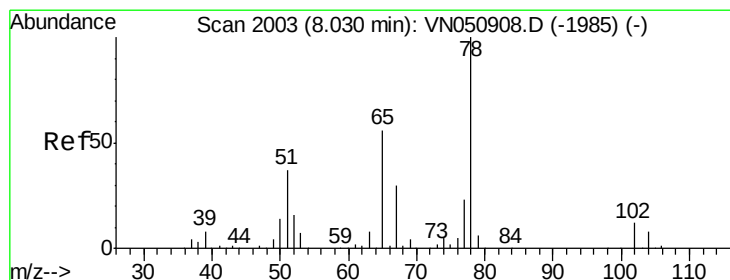
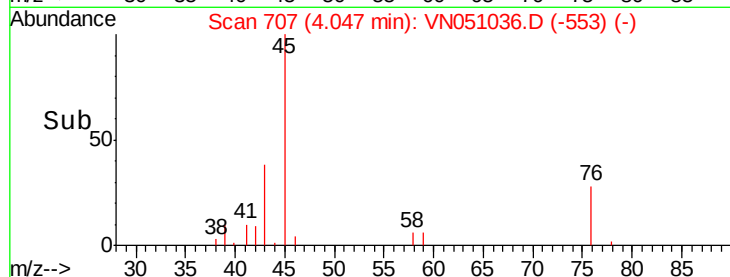
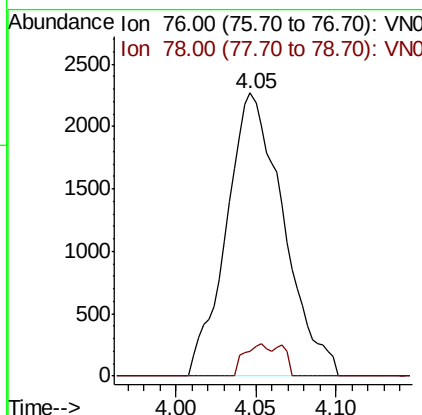
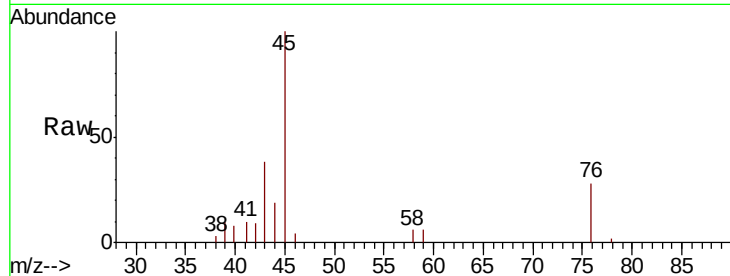




#16
Carbon Disulfide
Concen: 0.26 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.01 min
Lab File: VN051036.D
Acq: 6 Sep 2018 16:53

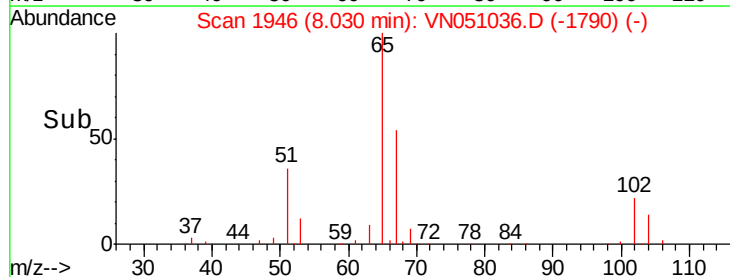
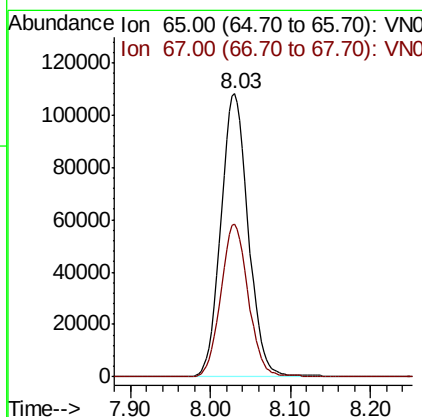
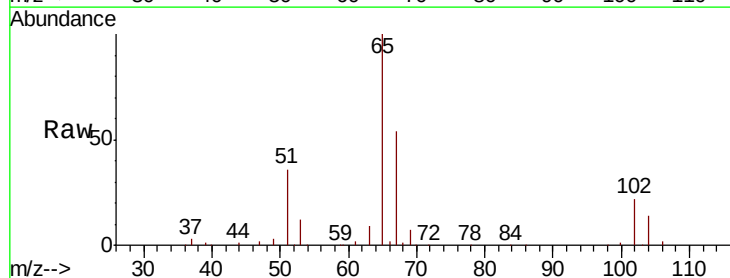
Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(SEP)DL

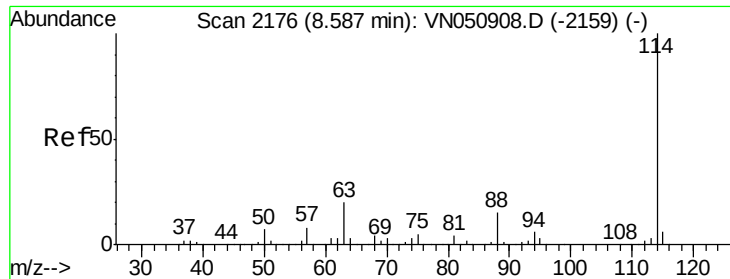
Tot Ion: 76 Resp: 5524
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#27
1,2-Dichloroethane-d4
Concen: 30.32 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051036.D
Acq: 6 Sep 2018 16:53

Tgt Ion: 65 Resp: 254722
Ion Ratio Lower Upper
65 100
67 53.6 43.7 65.5

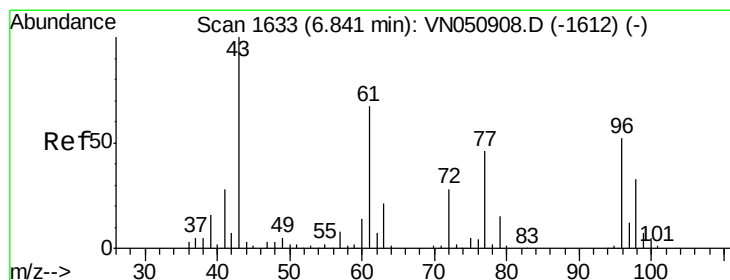
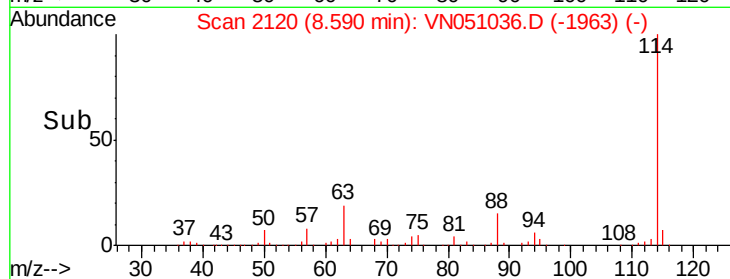
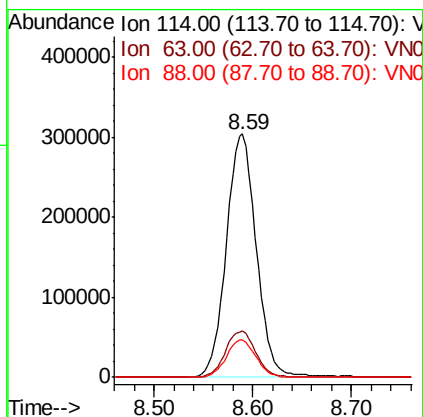
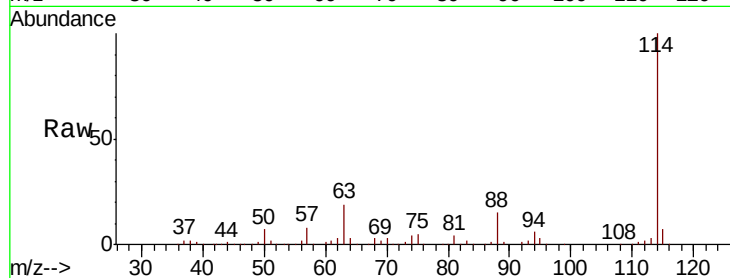




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051036.D
 Acq: 6 Sep 2018 16:53

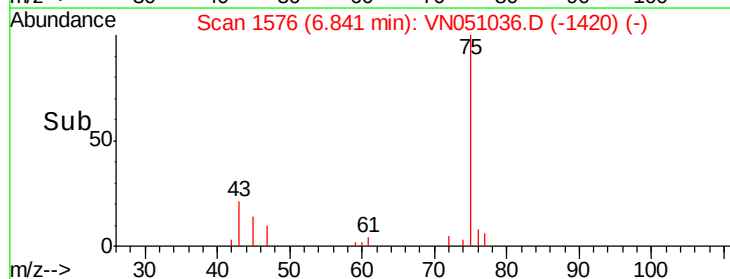
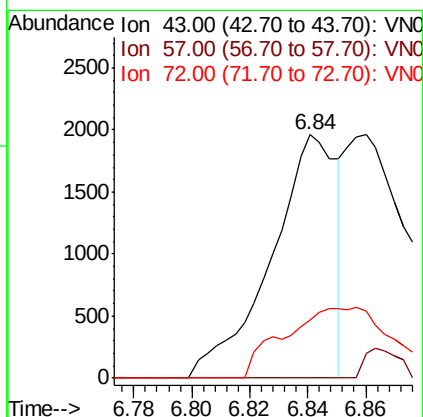
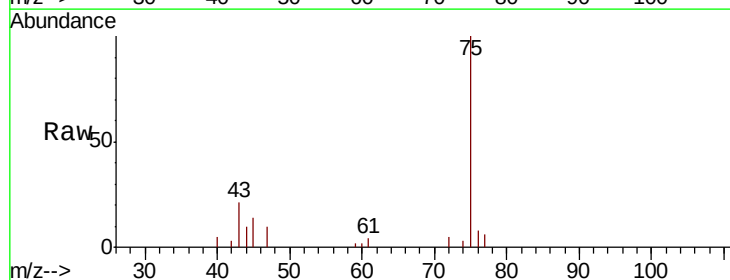
Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(SEP)DL

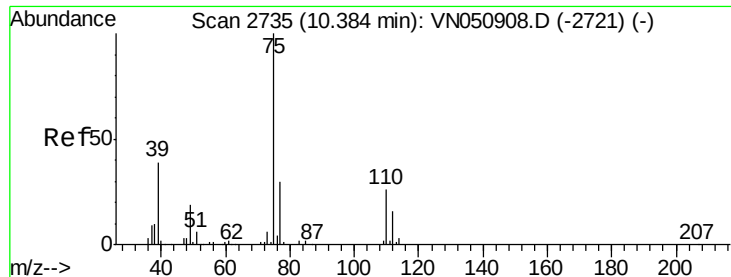
Tot Ion:114 Resp: 645321
 Ion Ratio Lower Upper
 114 100
 63 19.2 15.6 23.4
 88 15.4 12.2 18.4



#30
 2-Butanone
 Concen: 1.03 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051036.D
 Acq: 6 Sep 2018 16:53

Tgt Ion: 43 Resp: 3076
 Ion Ratio Lower Upper
 43 100
 57 6.2 6.9 10.3#
 72 10.2 22.8 34.2#





#48

t-1,3-Dichloropropene

Concen: 1.01 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN051036.D

Acq: 6 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

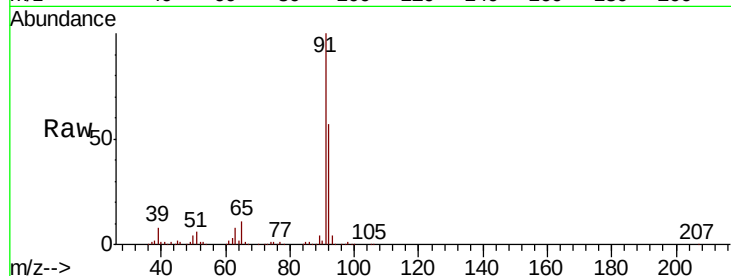
002M-35TH-AVE(SEP)DL

Tot Ion: 75 Resp: 9784

Ion Ratio Lower Upper

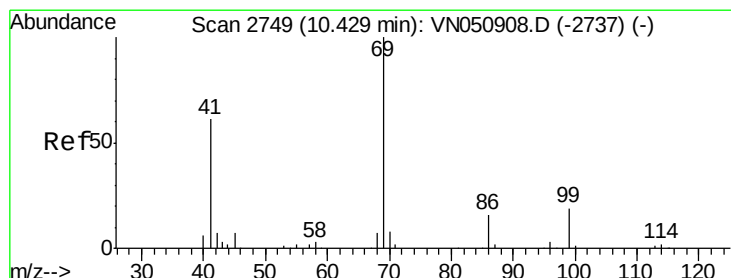
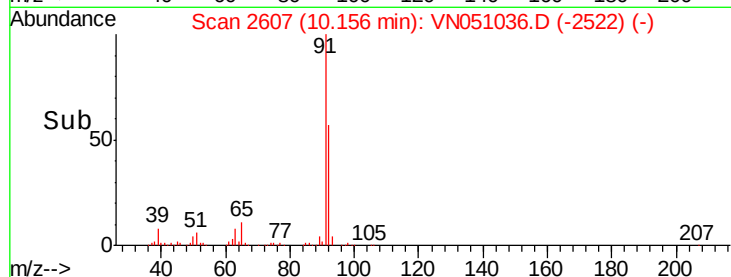
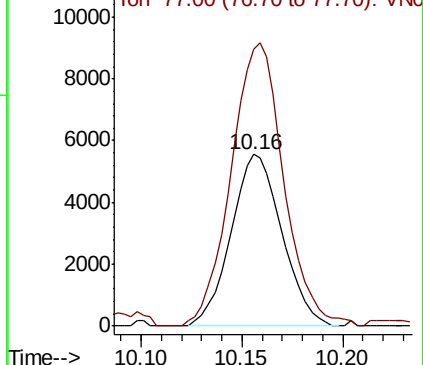
75 100

77 157.9 24.8 37.2#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#51

Ethyl methacrylate

Concen: 0.30 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN051036.D

Acq: 6 Sep 2018 16:53

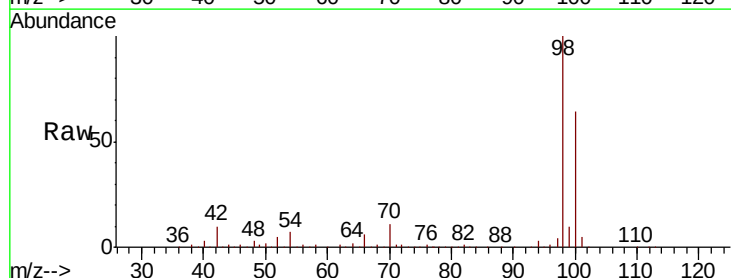
Tgt Ion: 69 Resp: 2530

Ion Ratio Lower Upper

69 100

41 54.4 30.5 91.5

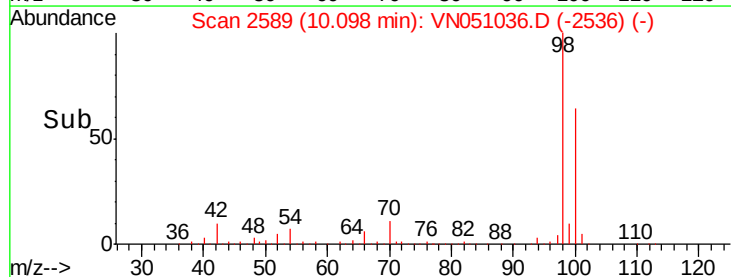
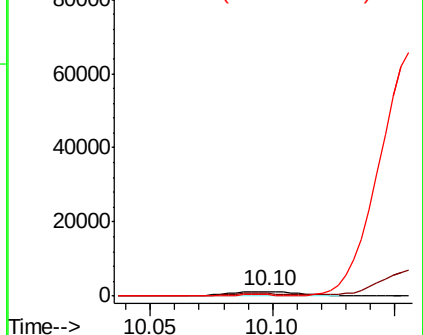
39 27.7 15.3 45.8

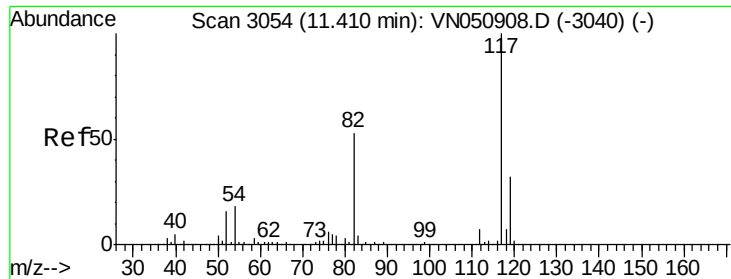


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

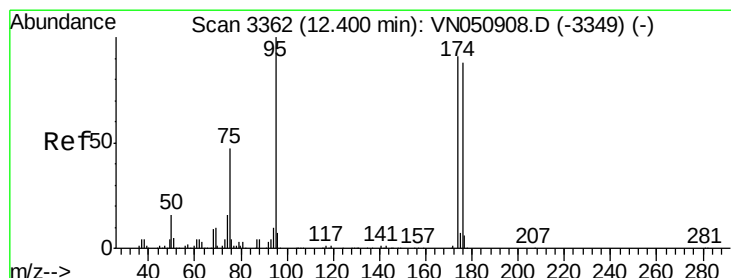
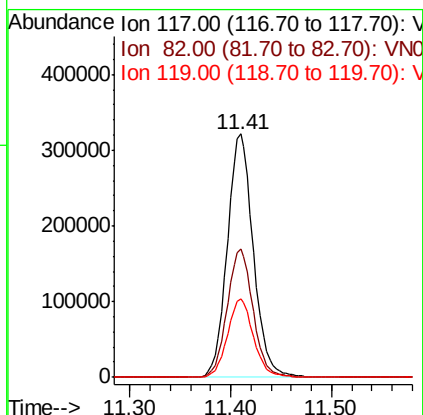
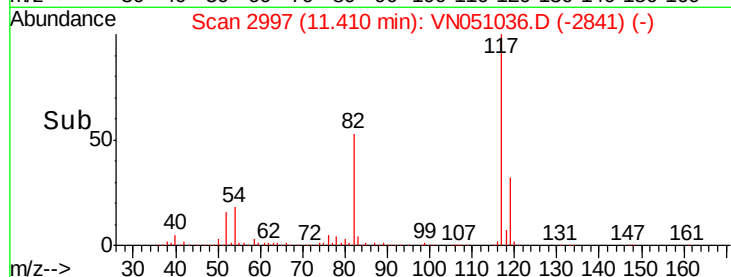
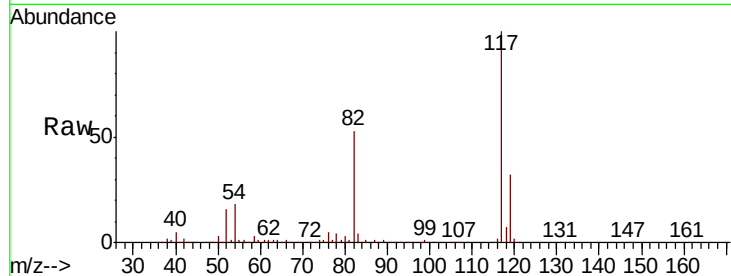




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051036.D
Acq: 6 Sep 2018 16:53

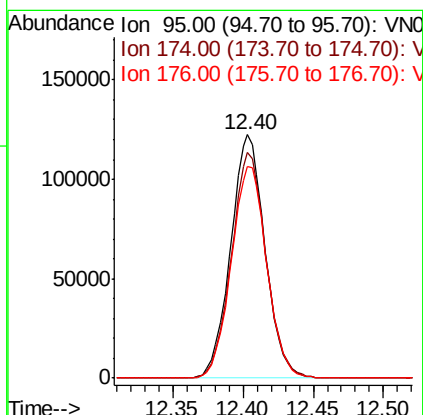
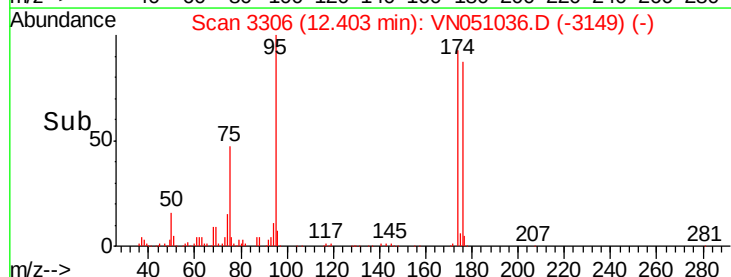
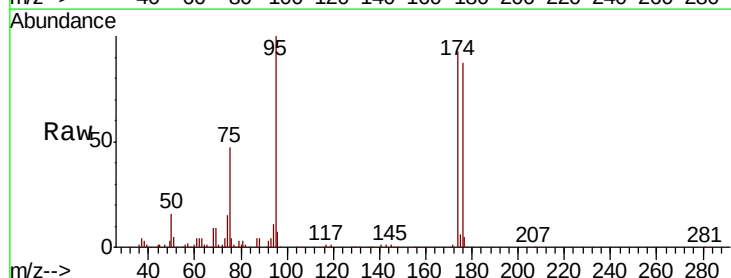
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002M-35TH-AVE(SEP)DL

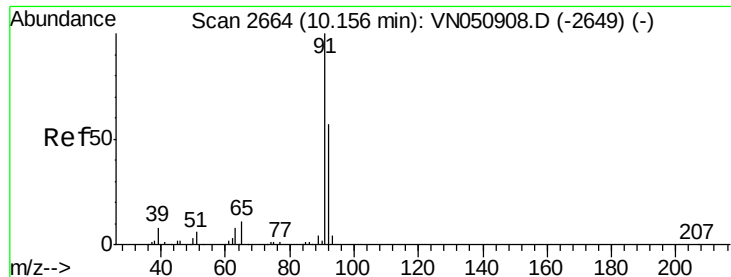
Tot Ion:117 Resp: 577435
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 32.3 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 24.28 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051036.D
Acq: 6 Sep 2018 16:53

Tgt Ion: 95 Resp: 208509
Ion Ratio Lower Upper
95 100
174 93.3 74.6 112.0
176 89.5 71.5 107.3





#62

Toluene

Concen: 48.08 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN051036.D

Acq: 6 Sep 2018 16:53

Instrument :

MSVOA_N

ClientSampleId :

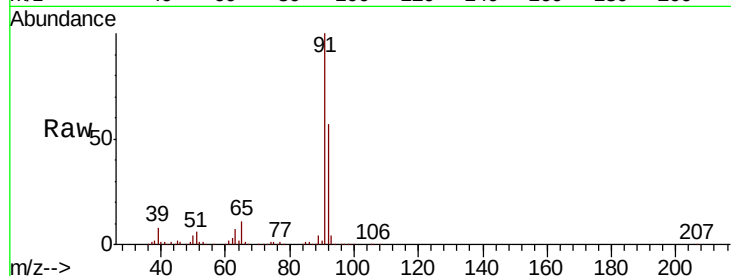
002M-35TH-AVE(SEP)DL

Tot Ion: 91 Resp: 1548942

Ion Ratio Lower Upper

91 100

92 57.2 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VN051036.D (-2608) (-)

Ion 92.00 (91.70 to 92.70): VN051036.D (-2608) (-)

10.16

800000

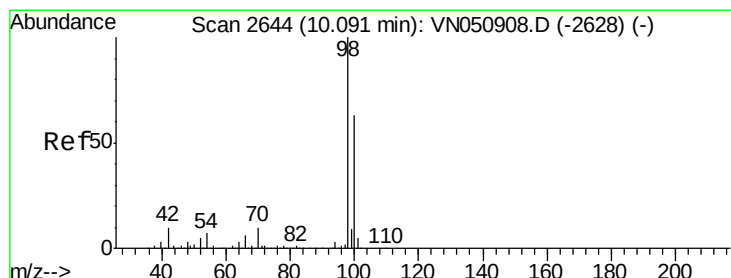
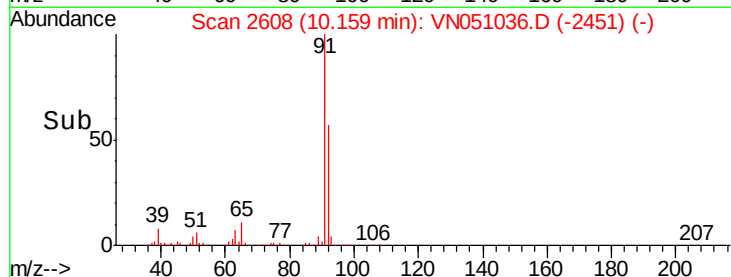
600000

400000

200000

0

Time-->



#63

Toluene-d8

Concen: 28.63 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051036.D

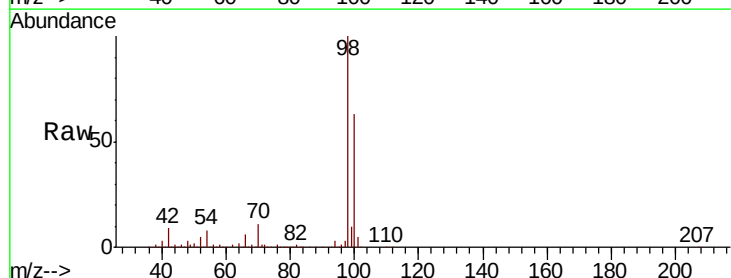
Acq: 6 Sep 2018 16:53

Tgt Ion: 98 Resp: 770894

Ion Ratio Lower Upper

98 100

100 62.7 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051036.D (-2587) (-)

Ion 100.00 (99.70 to 100.70): VN051036.D (-2587) (-)

10.09

500000

400000

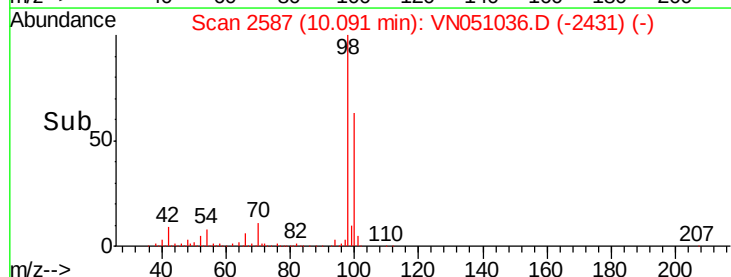
300000

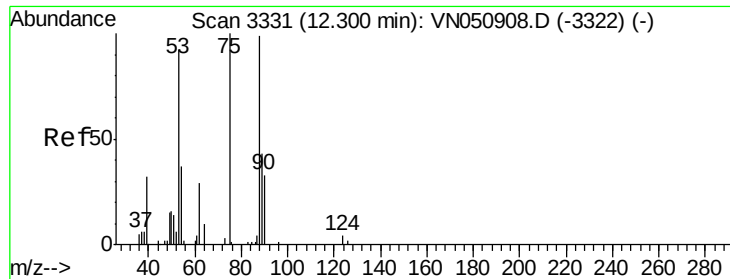
200000

100000

0

Time-->

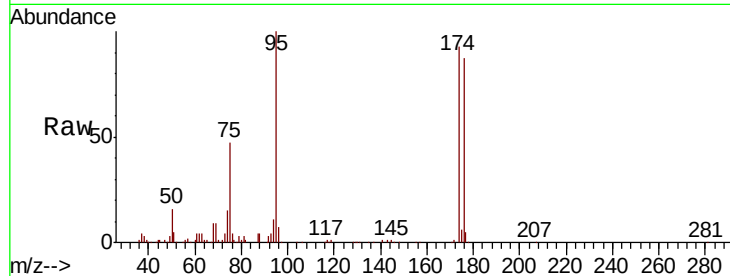




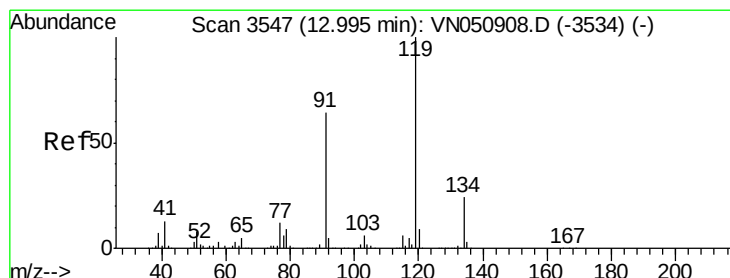
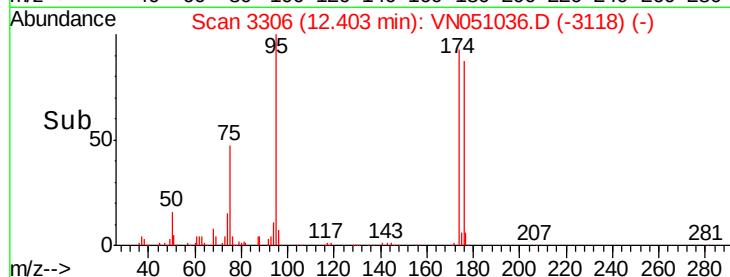
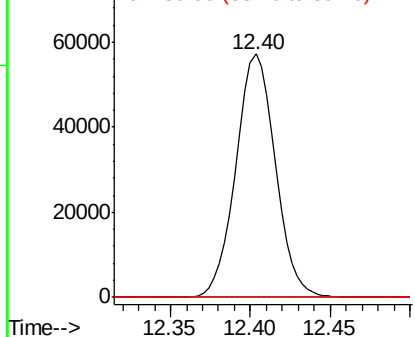
#77
t-1,4-Dichloro-2-butene
Concen: 44.42 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051036.D
Acq: 6 Sep 2018 16:53

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(SEP)DL

Tot Ion: 75 Resp: 96372
Ion Ratio Lower Upper
75 100
53 0.0 45.5 136.4#
89 0.0 21.9 65.8#

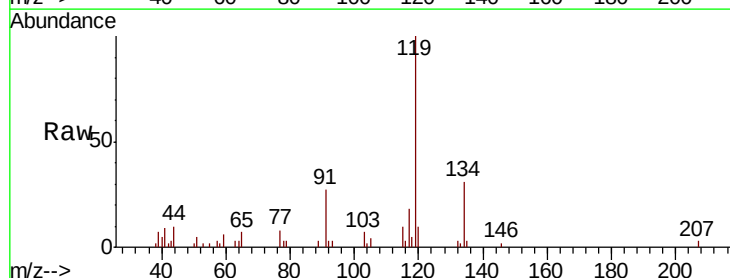


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

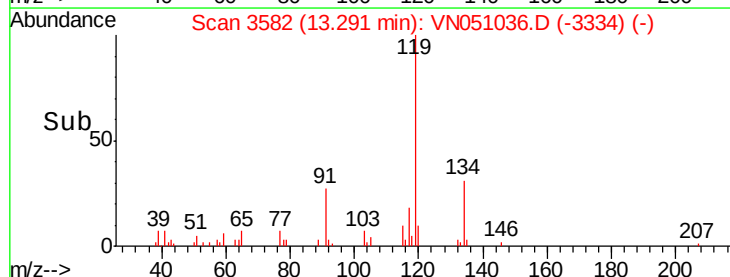
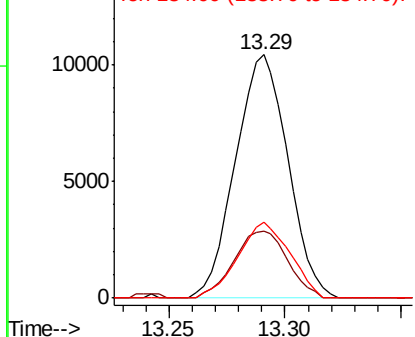


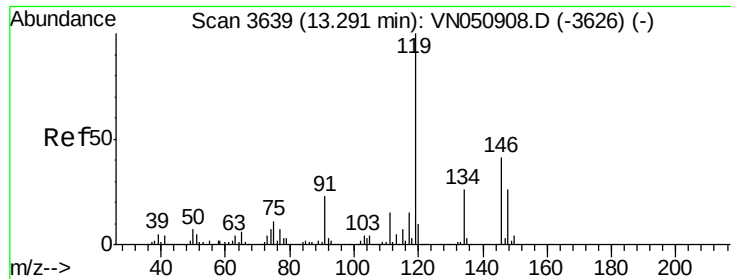
#79
tert-butylbenzene
Concen: 0.71 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.30 min
Lab File: VN051036.D
Acq: 6 Sep 2018 16:53

Tgt Ion: 119 Resp: 16438
Ion Ratio Lower Upper
119 100
91 28.0 0.0 125.6
134 30.9 0.0 48.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN0
Ion 134.00 (133.70 to 134.70): V

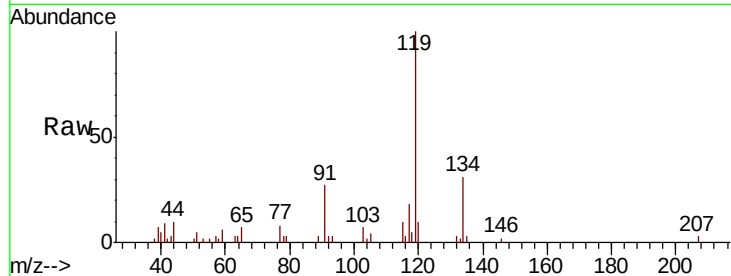




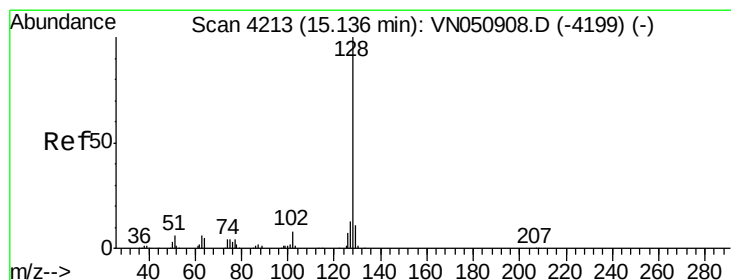
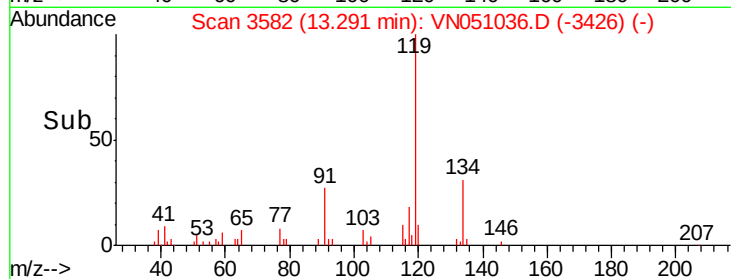
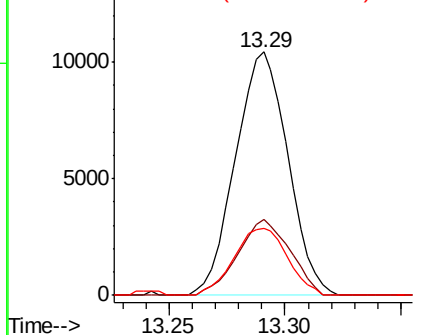
#82
 p-Isopropyltoluene
 Concen: 0.63 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051036.D
 Acq: 6 Sep 2018 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(SEP)DL

Tot Ion:119 Resp: 16438
 Ion Ratio Lower Upper
 119 100
 134 30.9 0.0 53.2
 91 28.0 0.0 46.0

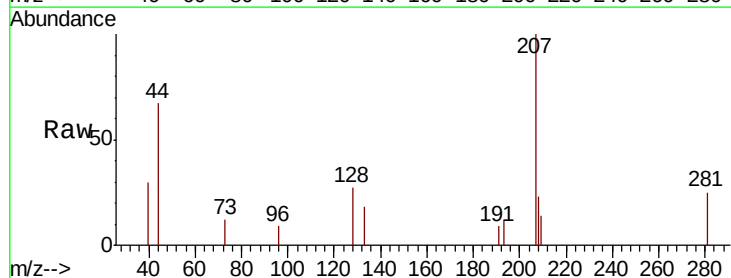


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V



#91
 Naphthalene
 Concen: 8.61 ug/l
 RT: 15.14 min Scan# 4158
 Delta R.T. 0.01 min
 Lab File: VN051036.D
 Acq: 6 Sep 2018 16:53

Tgt Ion:128 Resp: 590
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

