

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052367.D
 Acq On : 16 Nov 2018 16:20
 Operator : MD\SY
 Sample : J5980-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TS

Quant Time: Nov 16 22:40:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	299576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	508263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	429471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150945	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	212740	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
35) Dibromofluoromethane	7.59	113	164099	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
50) Toluene-d8	10.09	98	636858	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	190946	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	

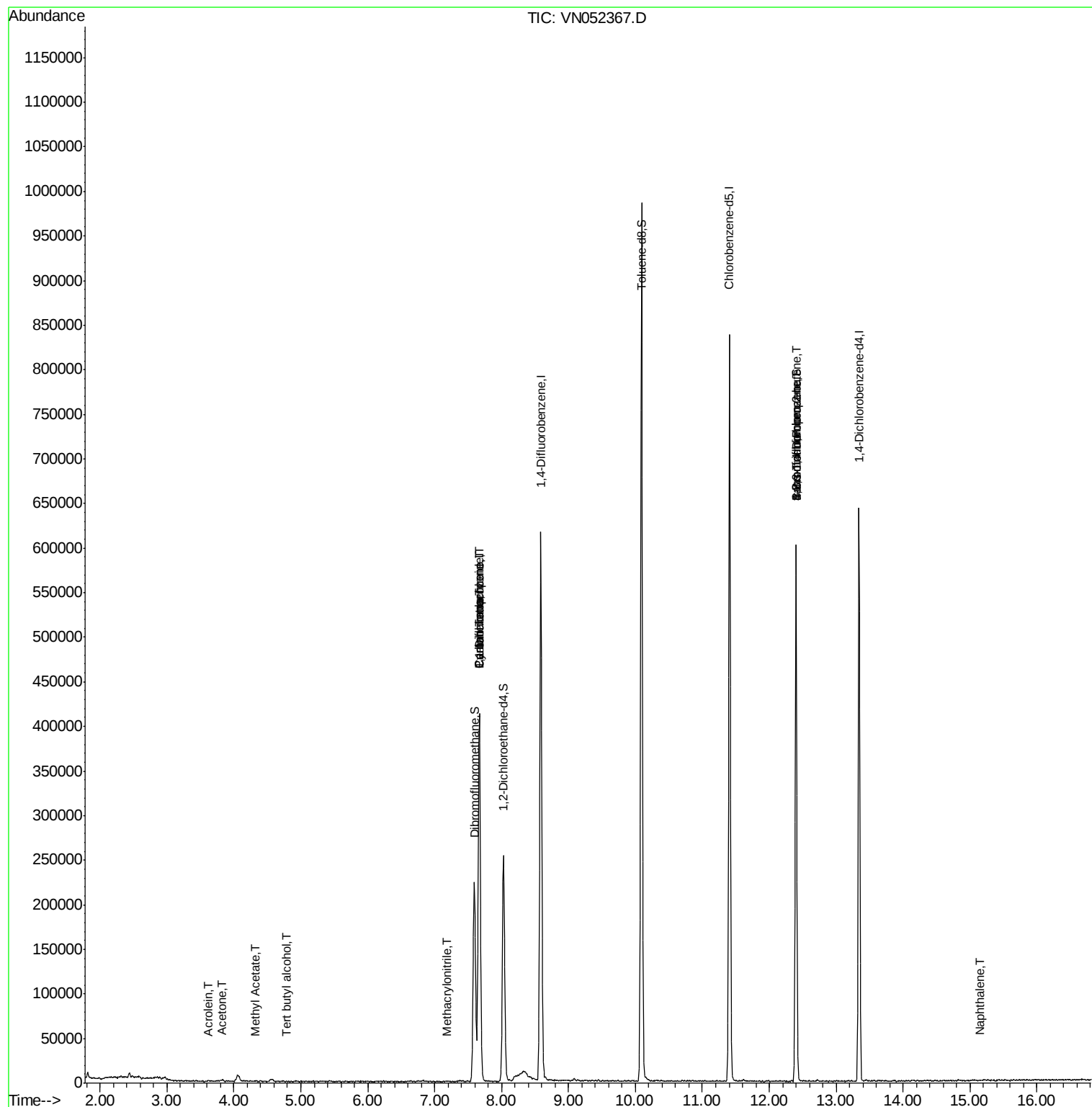
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	60	0.269	ug/l #	72
13) Acrolein	3.61	56	30	21.852	ug/l #	1
16) Acetone	3.82	43	3015	2.588	ug/l	92
18) Methyl Acetate	4.33	43	430	0.562	ug/l #	57
20) Methylene Chloride	4.56	84	410	Below Cal	#	58
31) Cyclohexane	7.67	56	9026	0.350	ug/l #	13
36) 1,1-Dichloropropene	7.67	75	28206	5.537	ug/l #	51
38) Carbon Tetrachloride	7.67	117	33263	7.107	ug/l #	16
41) Methacrylonitrile	7.17	41	179	3.776	ug/l #	100
71) Bromoform	12.40	173	1349	0.738	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	107187	41.849	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	107187	135.734	ug/l #	5
95) Naphthalene	15.15	128	131	2.628	ug/l #	69

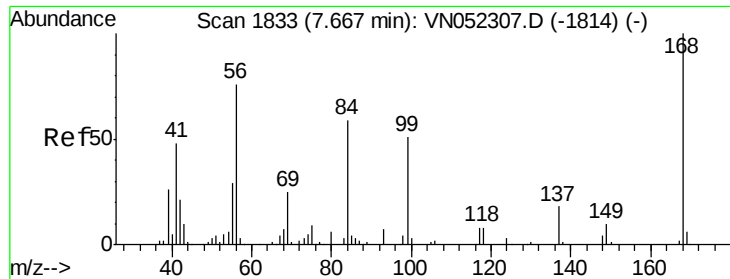
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111618\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052367.D

Acq: 16 Nov 2018 16:20

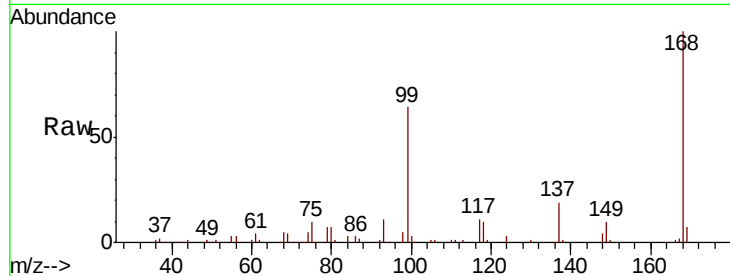
Instrument :
MSVOA_N
ClientSampled :
TS

Tot Ion:168 Resp: 299576

Ion Ratio Lower Upper

168 100

99 63.7 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

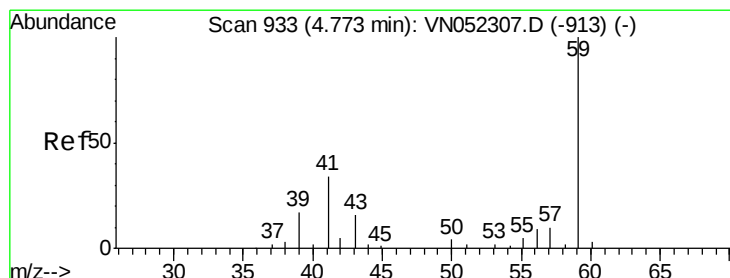
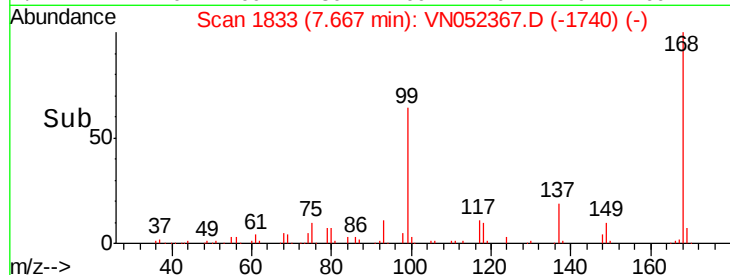
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.269 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.02 min

Lab File: VN052367.D

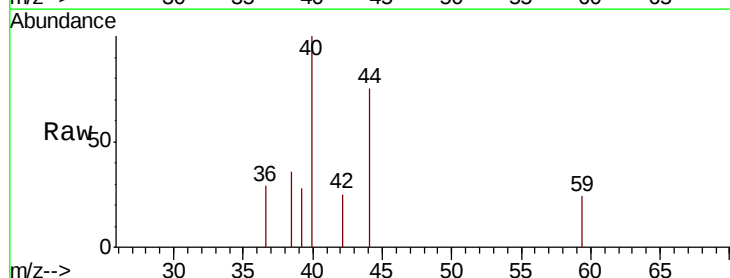
Acq: 16 Nov 2018 16:20

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.79

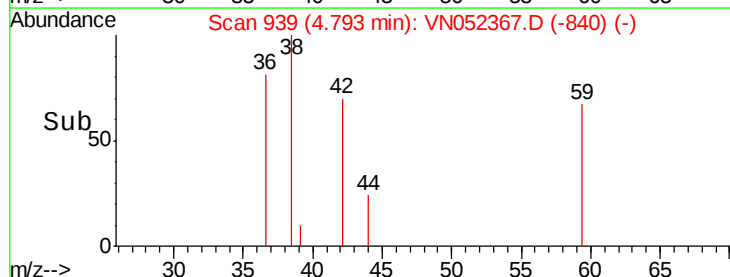
150

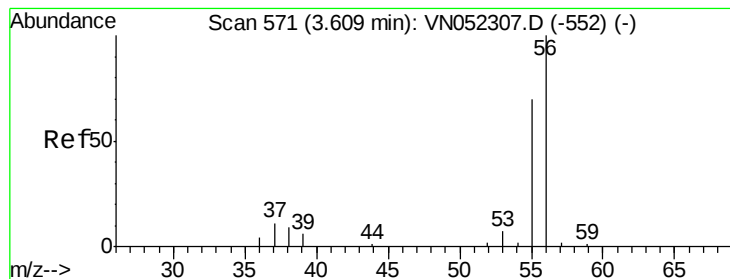
100

50

0

Time-->





#13

Acrolein

Concen: 21.852 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052367.D

Acq: 16 Nov 2018 16:20

Instrument :

MSVOA_N

ClientSampled :

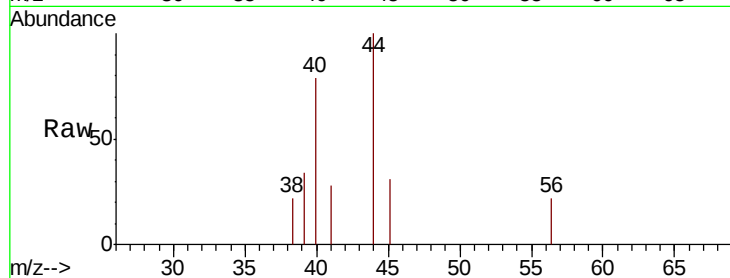
TS

Tot Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 216.7 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

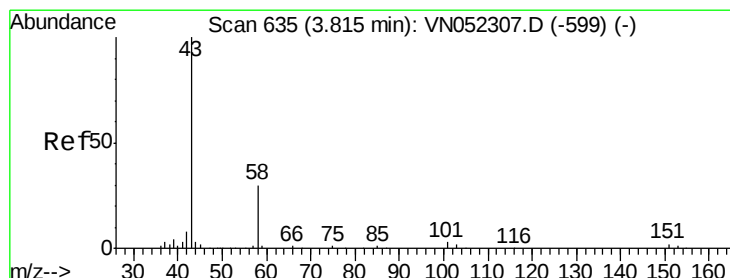
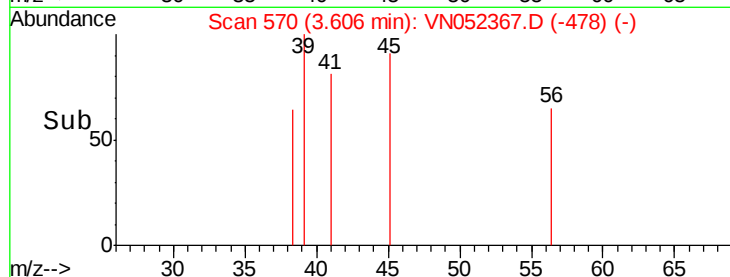
150

100

50

0

Time-->



#16

Acetone

Concen: 2.588 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052367.D

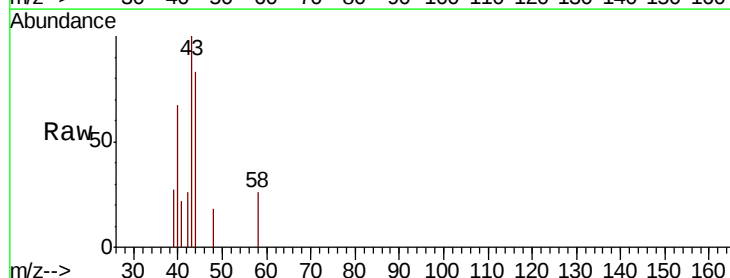
Acq: 16 Nov 2018 16:20

Tgt Ion: 43 Resp: 3015

Ion Ratio Lower Upper

43 100

58 25.8 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

1000

800

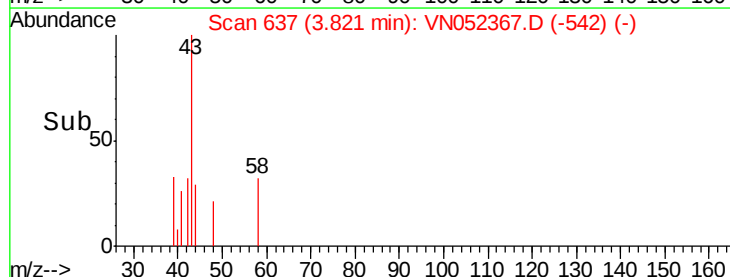
600

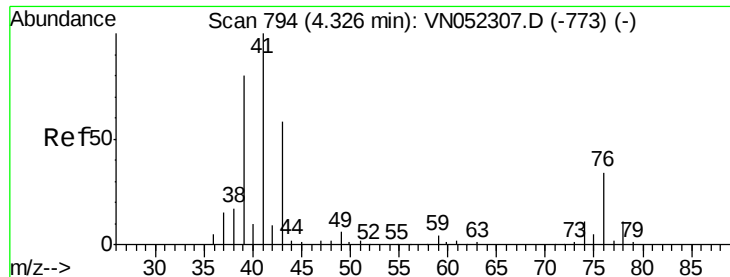
400

200

0

Time-->

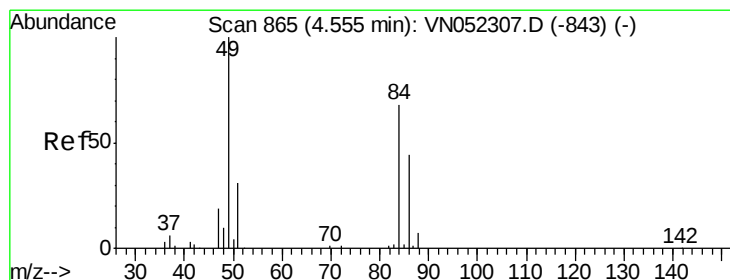
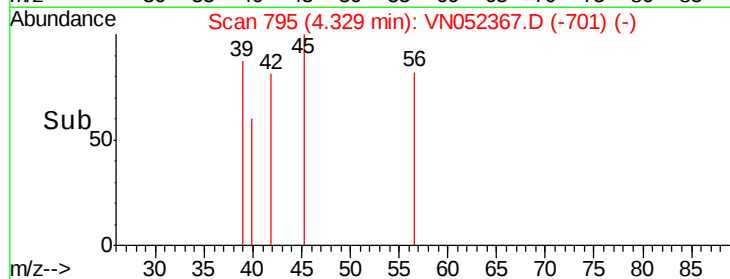
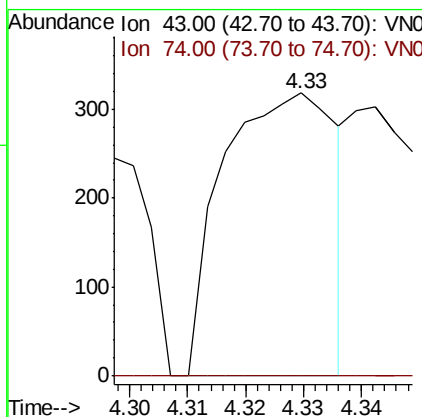
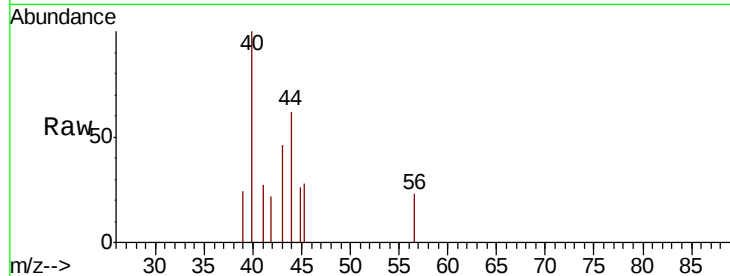




#18
Methyl Acetate
Concen: 0.562 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052367.D
Acq: 16 Nov 2018 16:20

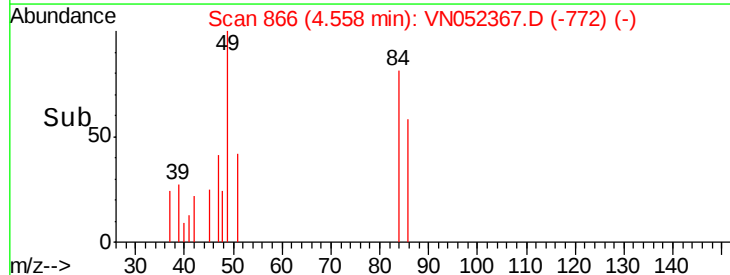
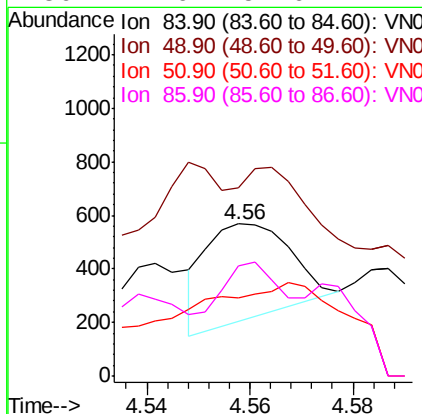
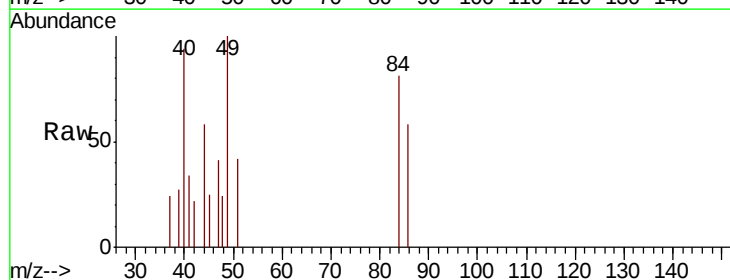
Instrument :
MSVOA_N
ClientSampled :
TS

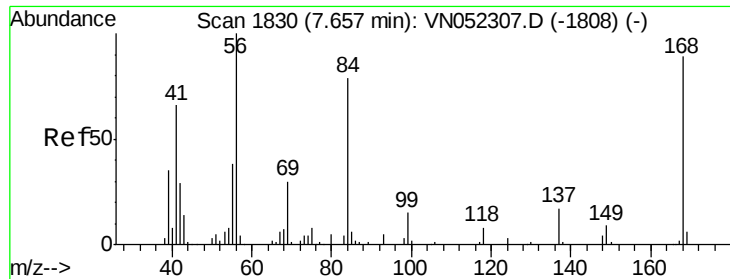
Tot Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
74 0.0 15.9 23.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052367.D
Acq: 16 Nov 2018 16:20

Tgt Ion: 84 Resp: 410
Ion Ratio Lower Upper
84 100
49 77.4 118.2 177.2#
51 19.4 36.1 54.1#
86 72.6 51.6 77.4

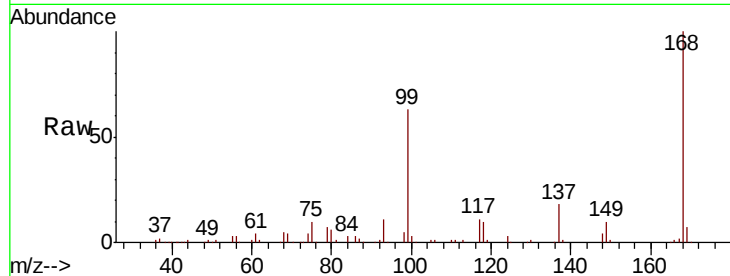




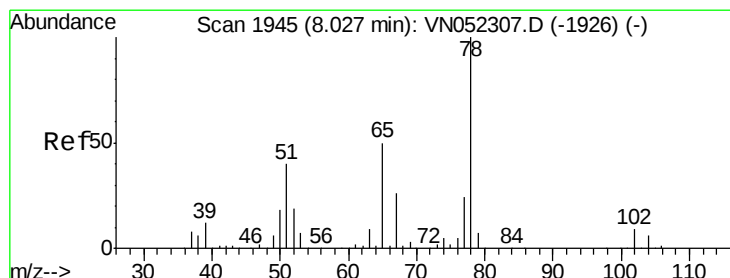
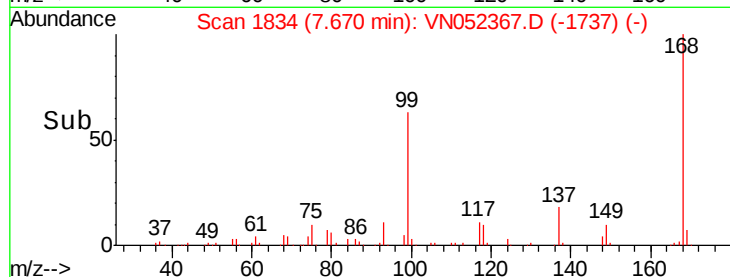
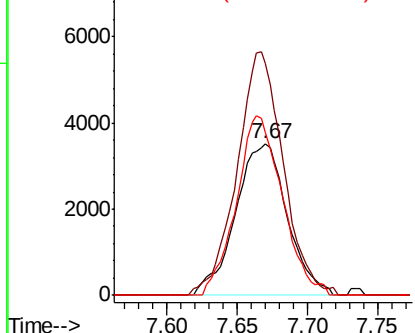
#31
Cyclohexane
Concen: 0.350 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN052367.D
Acq: 16 Nov 2018 16:20

Instrument :
MSVOA_N
ClientSampled :
TS

Tot Ion: 56 Resp: 9026
Ion Ratio Lower Upper
56 100
69 152.9 23.8 35.8#
84 107.9 63.0 94.6#

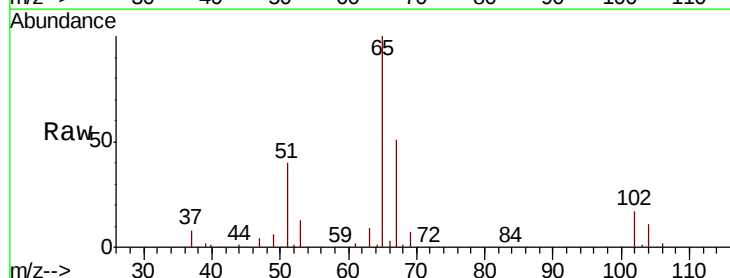


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

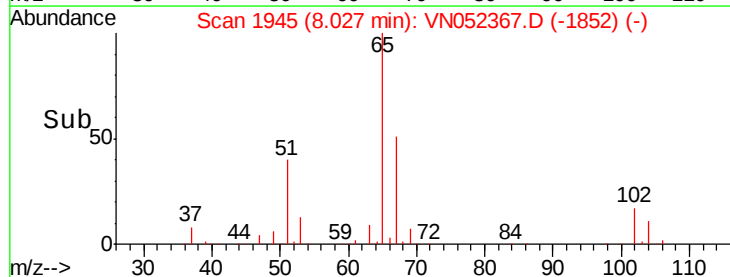
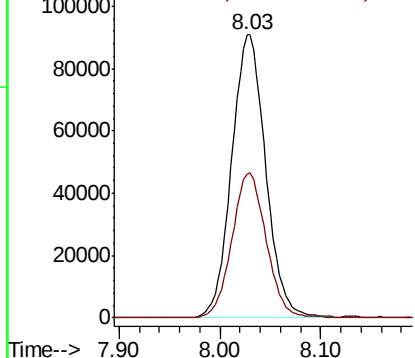


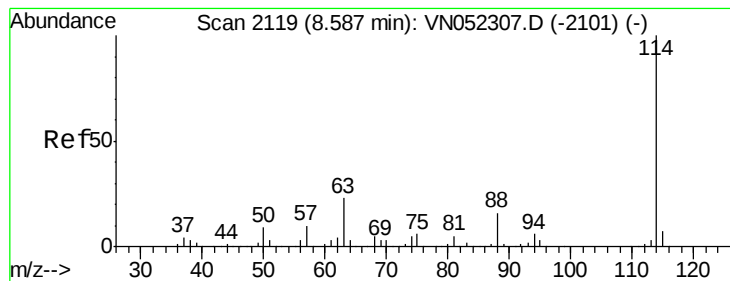
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052367.D
Acq: 16 Nov 2018 16:20

Tgt Ion: 65 Resp: 212740
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052367.D

Acq: 16 Nov 2018 16:20

Instrument :

MSVOA_N

ClientSampleId :

TS

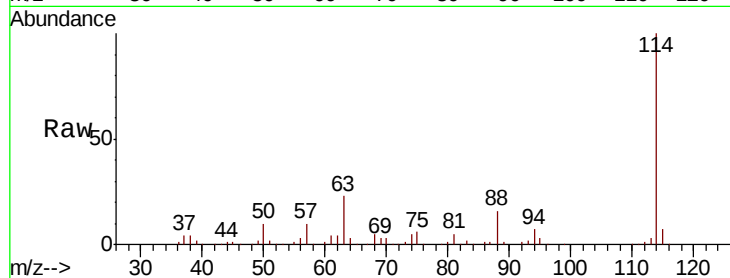
Tot Ion:114 Resp: 508263

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.4

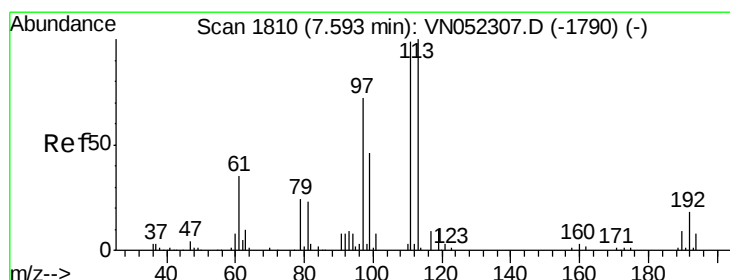
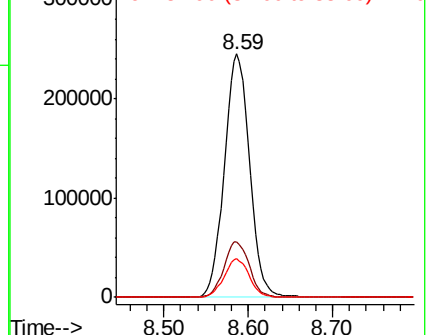
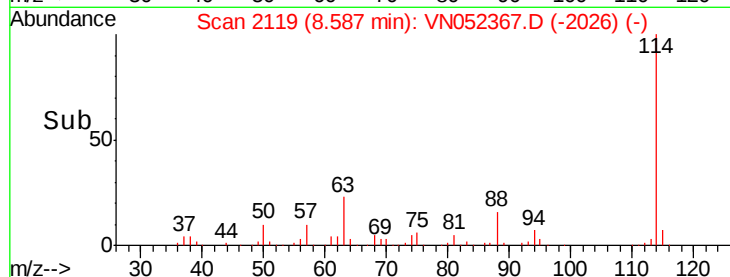
88 15.7 0.0 31.2



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: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052367.D

Acq: 16 Nov 2018 16:20

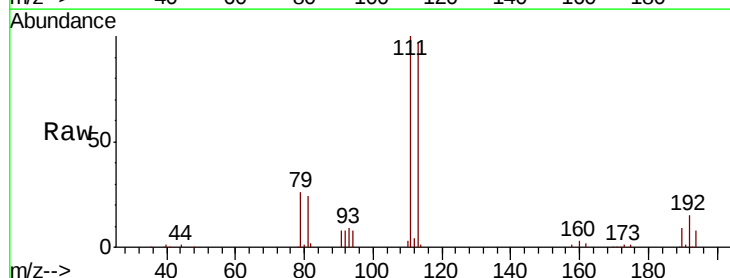
Tgt Ion:113 Resp: 164099

Ion Ratio Lower Upper

113 100

111 103.2 81.0 121.6

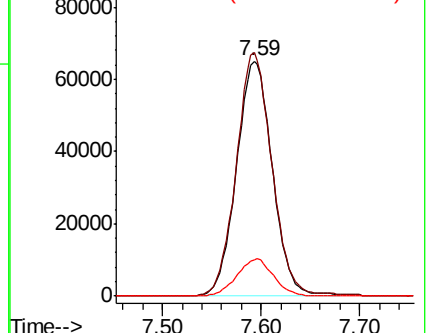
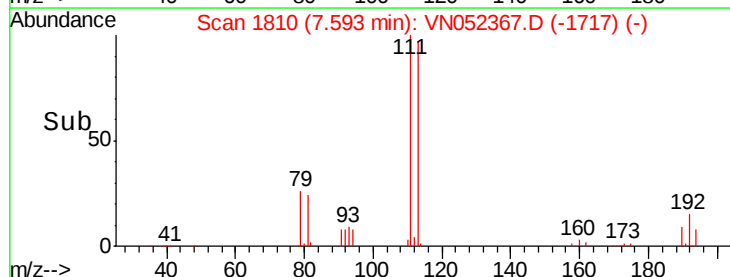
192 16.2 13.8 20.6

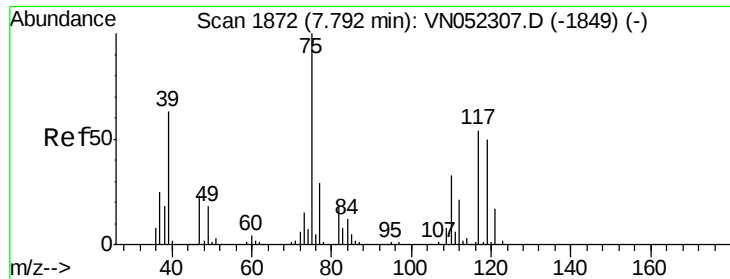


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.537 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052367.D

Acq: 16 Nov 2018 16:20

Instrument :

MSVOA_N

ClientSampleId :

TS

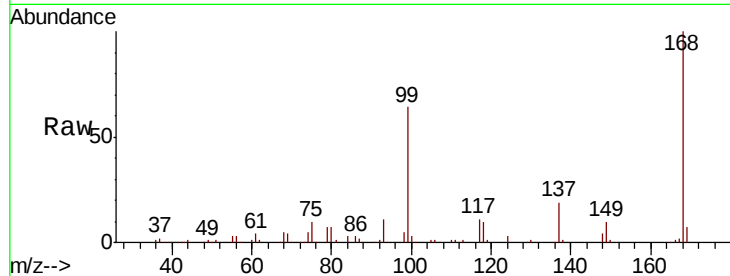
Tot Ion: 75 Resp: 28206

Ion Ratio Lower Upper

75 100

110 8.9 16.5 49.5#

77 0.0 24.2 36.2#

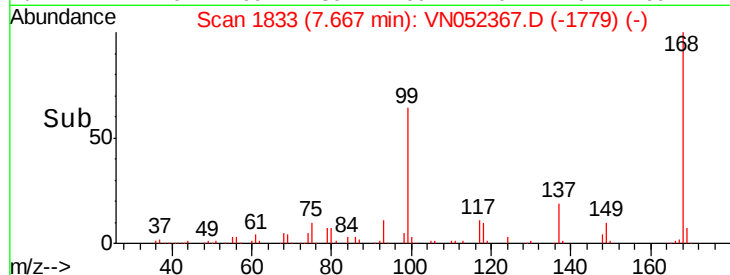


Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN052307.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN052307.D (-1849) (-)

Time-->

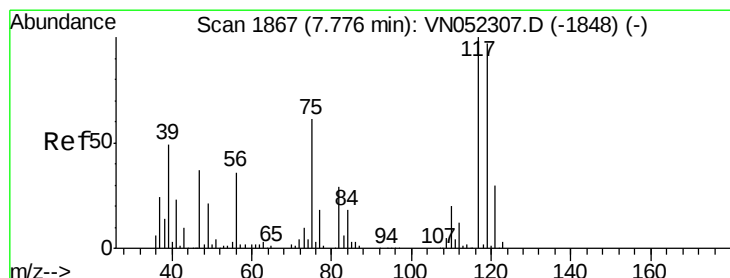


Abundance Ion 74.90 (74.60 to 75.60): VN052367.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052367.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052367.D (-1779) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 7.107 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052367.D

Acq: 16 Nov 2018 16:20

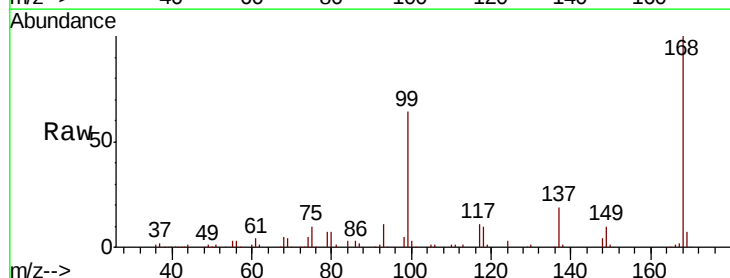
Tgt Ion: 117 Resp: 33263

Ion Ratio Lower Upper

117 100

119 5.3 77.4 116.0#

121 0.0 24.0 36.0#

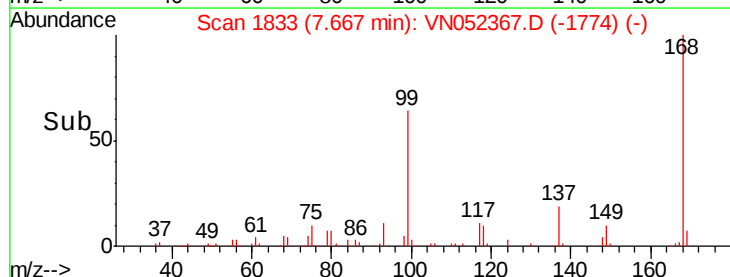


Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN052307.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN052307.D (-1848) (-)

Time-->

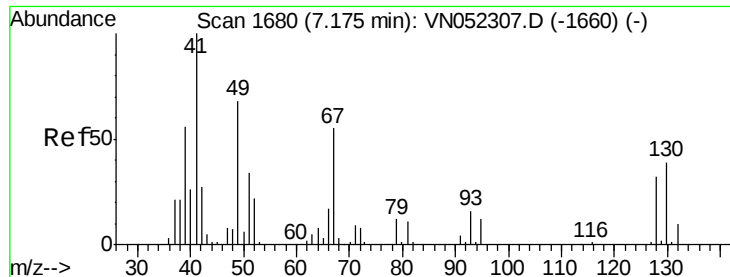


Abundance Ion 116.80 (116.50 to 117.50): VN052367.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052367.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052367.D (-1774) (-)

Time-->



#41

Methacrylonitrile

Concen: 3.776 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

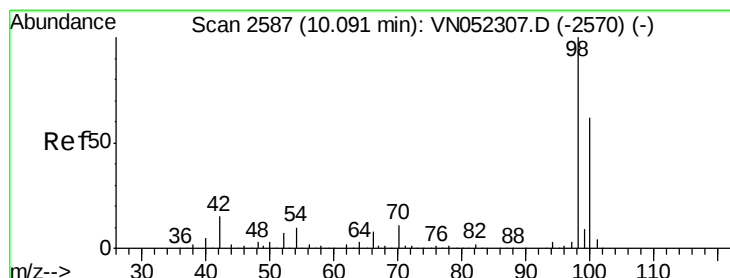
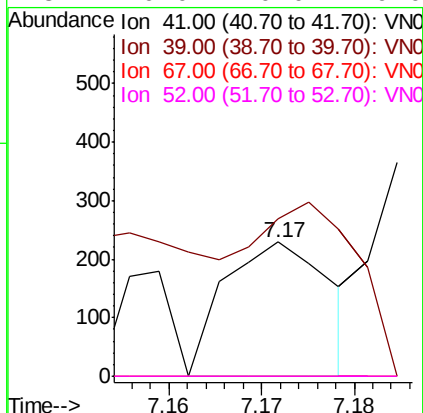
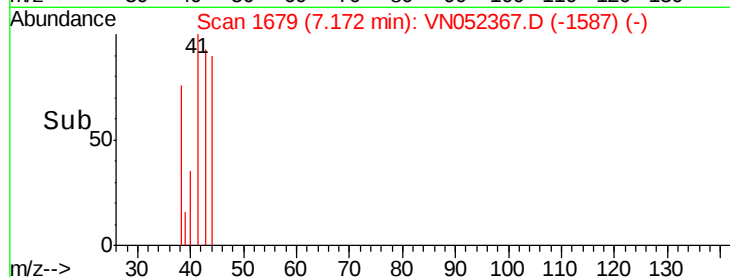
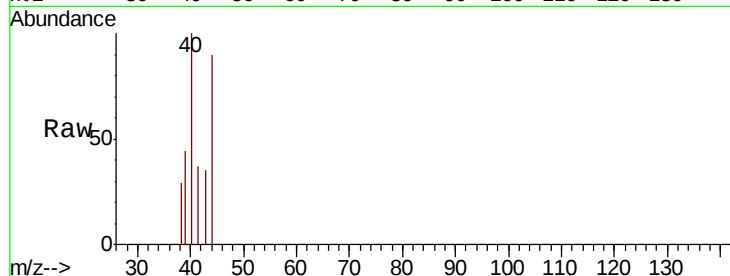
Lab File: VN052367.D

Acq: 16 Nov 2018 16:20

Instrument :
MSVOA_N
ClientSampled :
TS

Tot Ion: 41 Resp: 179

Ion	Ratio	Lower	Upper
41	100		
39	132.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

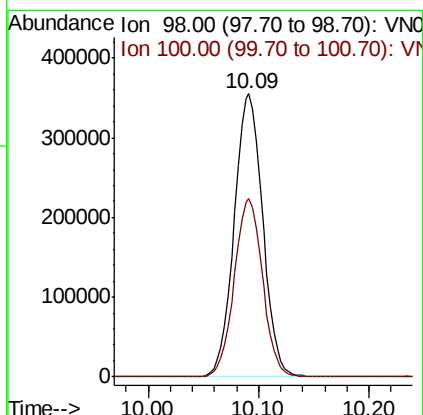
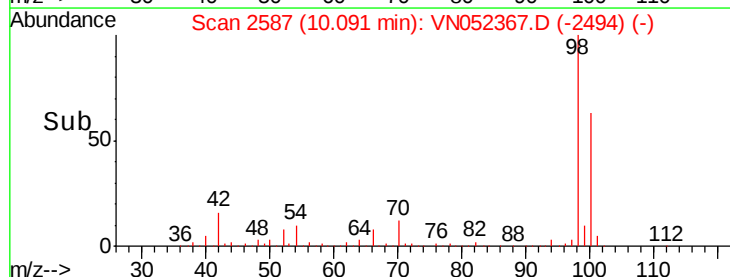
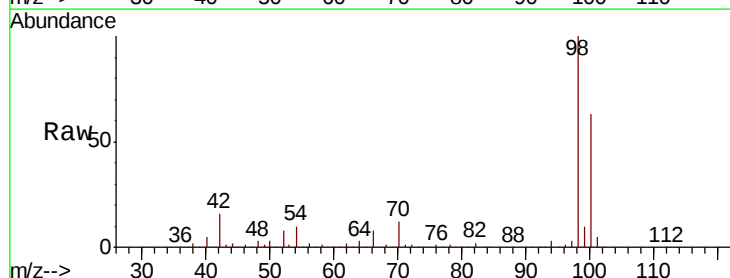
Delta R.T. -0.00 min

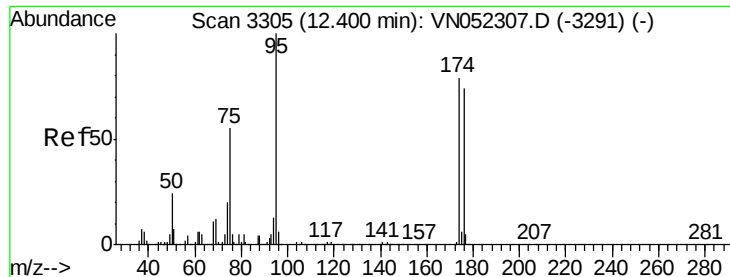
Lab File: VN052367.D

Acq: 16 Nov 2018 16:20

Tgt Ion: 98 Resp: 636858

Ion	Ratio	Lower	Upper
98	100		
100	62.4	49.5	74.3





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052367.D

Acq: 16 Nov 2018 16:20

Instrument :

MSVOA_N

ClientSampled :

TS

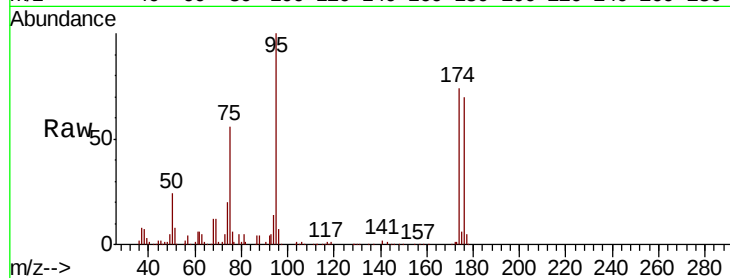
Tot Ion: 95 Resp: 190946

Ion Ratio Lower Upper

95 100

174 74.0 0.0 156.0

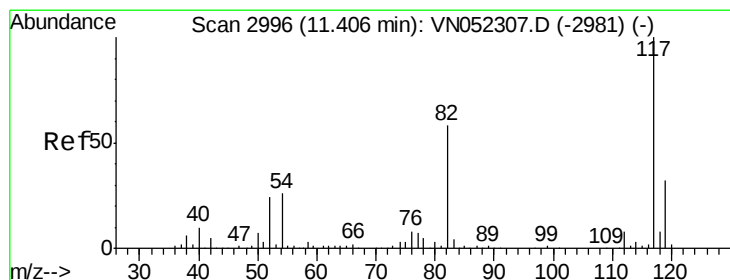
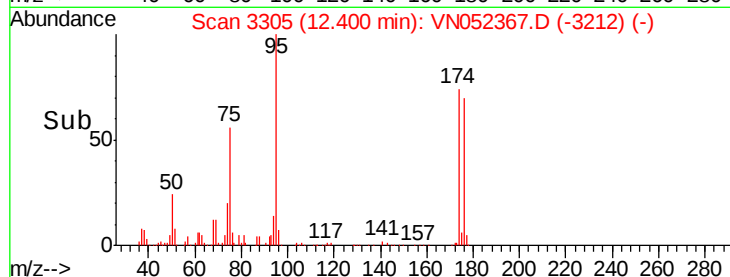
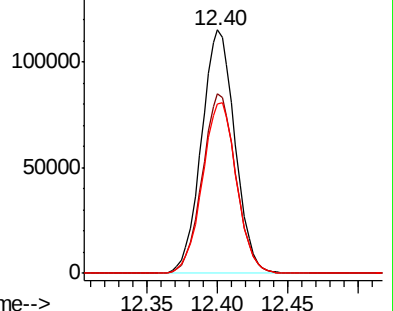
176 71.6 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052367.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052367.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052367.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052367.D

Acq: 16 Nov 2018 16:20

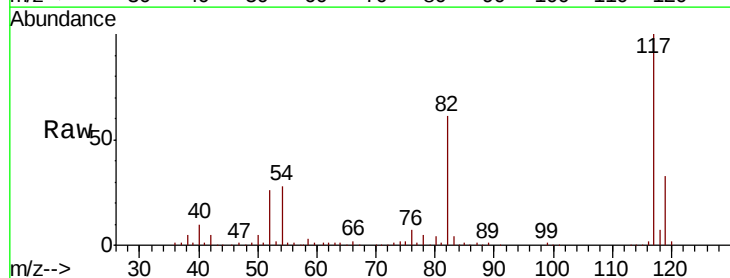
Tgt Ion: 117 Resp: 429471

Ion Ratio Lower Upper

117 100

82 60.8 46.5 69.7

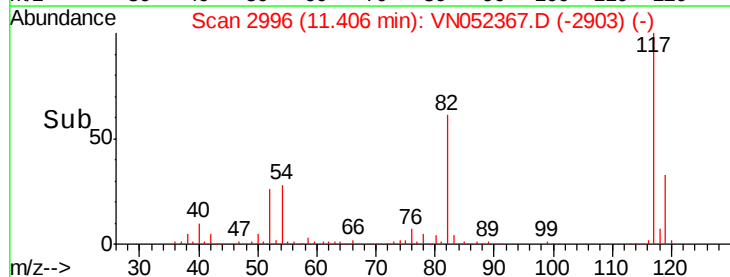
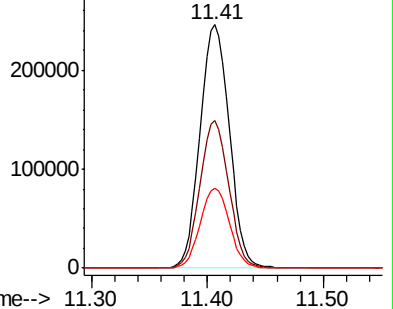
119 32.9 25.7 38.5

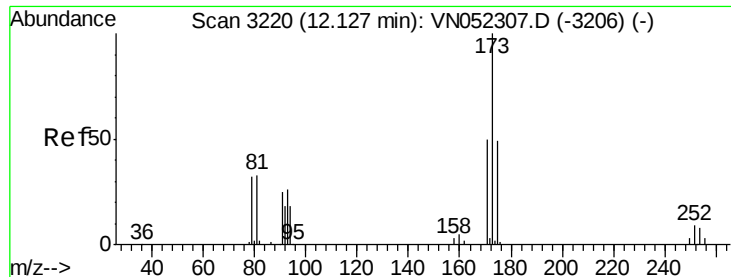


Abundance Ion 116.90 (116.60 to 117.60): VN052367.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052367.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052367.D (-2903) (-)





#71

Bromoform

Concen: 0.738 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052367.D

Acq: 16 Nov 2018 16:20

Instrument :

MSVOA_N

ClientSampleId :

TS

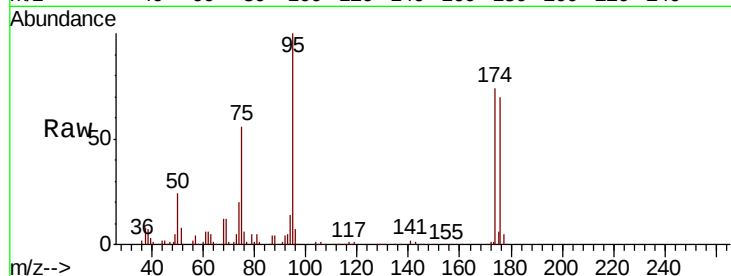
Tot Ion:173 Resp: 1349

Ion Ratio Lower Upper

173 100

175 752.4 25.0 75.0#

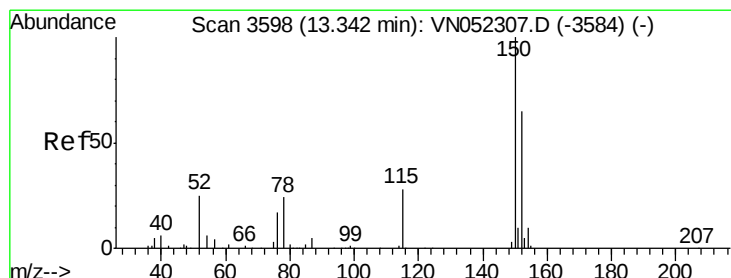
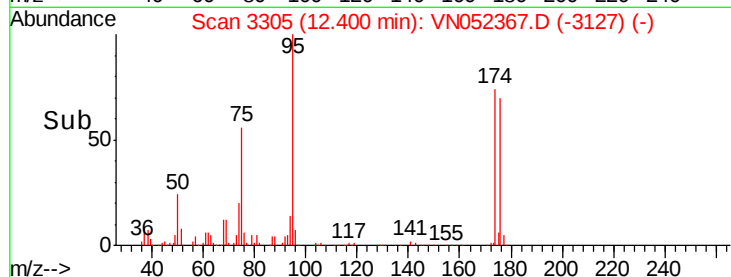
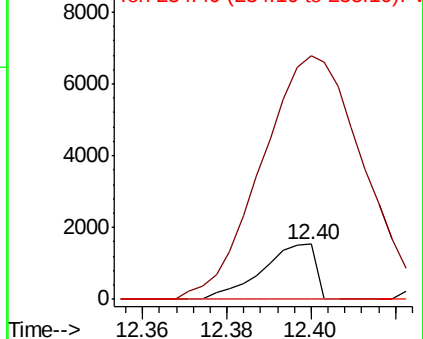
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052367.D

Acq: 16 Nov 2018 16:20

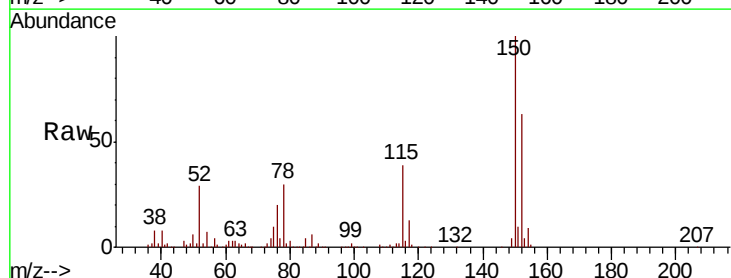
Tgt Ion:152 Resp: 150945

Ion Ratio Lower Upper

152 100

115 60.7 30.3 91.0

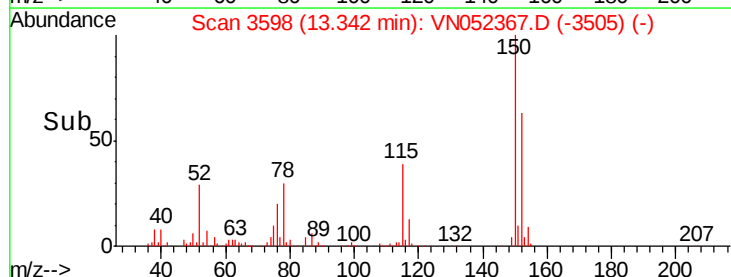
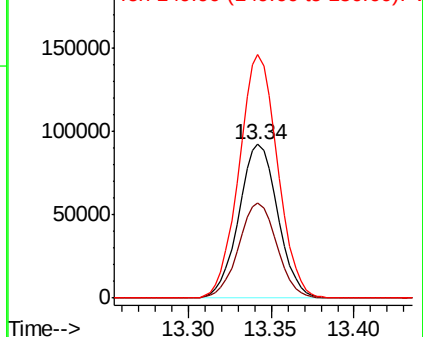
150 156.1 0.0 348.2

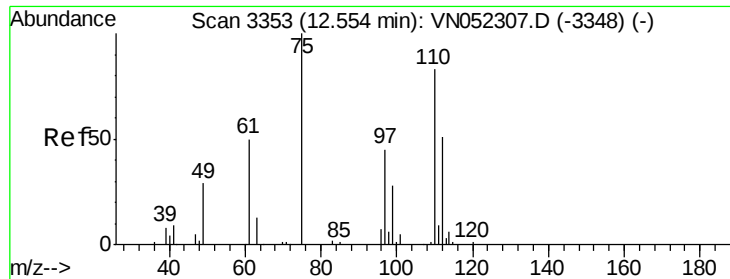


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

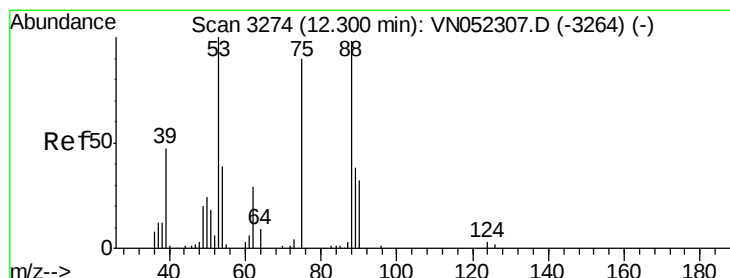
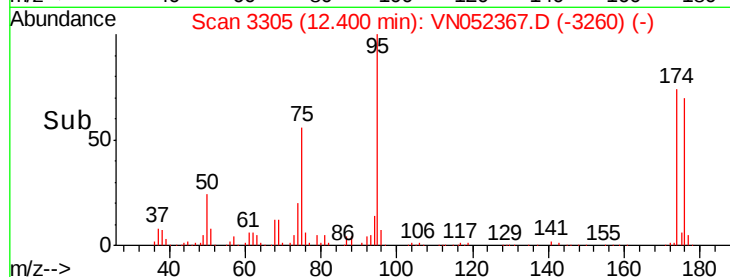
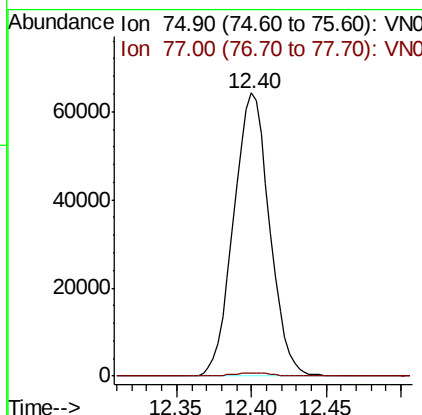
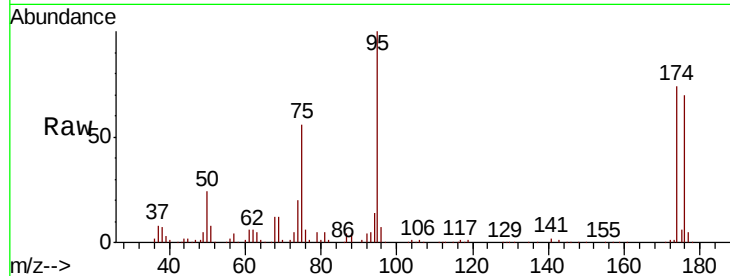




#76
 1,2,3-Trichloropropane
 Concen: 41.849 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052367.D
 Acq: 16 Nov 2018 16:20

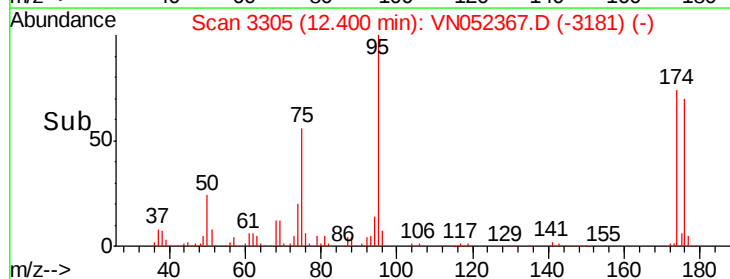
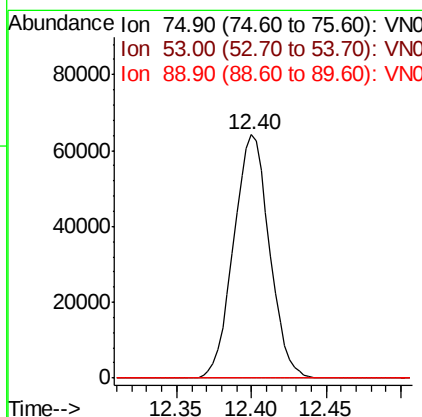
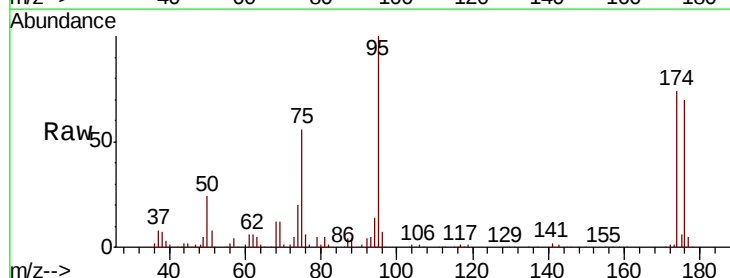
Instrument :
 MSVOA_N
 ClientSampleId :
 TS

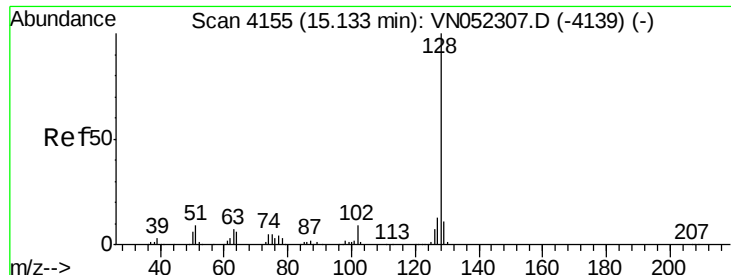
Tot Ion: 75 Resp: 107187
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.734 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052367.D
 Acq: 16 Nov 2018 16:20

Tgt Ion: 75 Resp: 107187
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.2 135.2#
 89 0.0 35.4 53.0#





#95

Naphthalene

Concen: 2.628 ug/l

RT: 15.15 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN052367.D

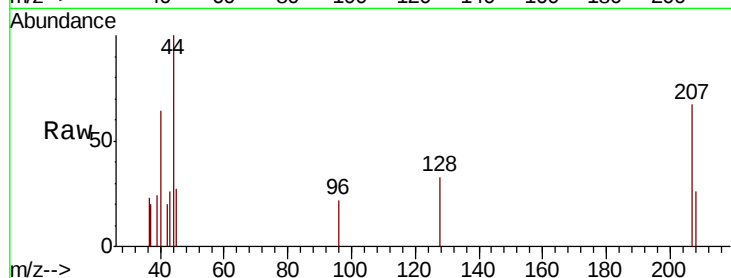
Acq: 16 Nov 2018 16:20

Instrument :

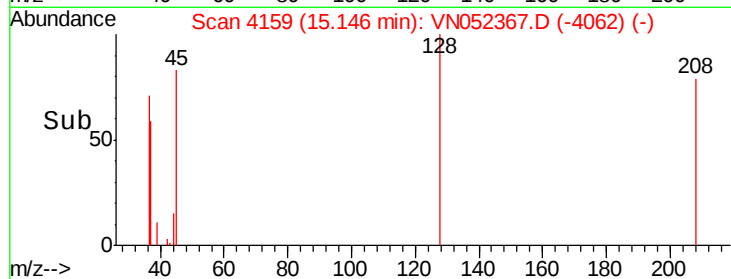
MSVOA_N

ClientSampleId :

TS



Tot Ion:	128	Resp:	131
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	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

