

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
 Data File : VN053155.D
 Acq On : 23 Dec 2018 2:06
 Operator : MD\SY
 Sample : J6446-08ME 10X
 Misc : 3.28g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 35 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS021-0006-01ME

Quant Time: Dec 23 23:12:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1218130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1881184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1708571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	719248	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	592471	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
35) Dibromofluoromethane	7.59	113	501308	58.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.68%	
50) Toluene-d8	10.09	98	2296217	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.40	95	797256	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.46%	

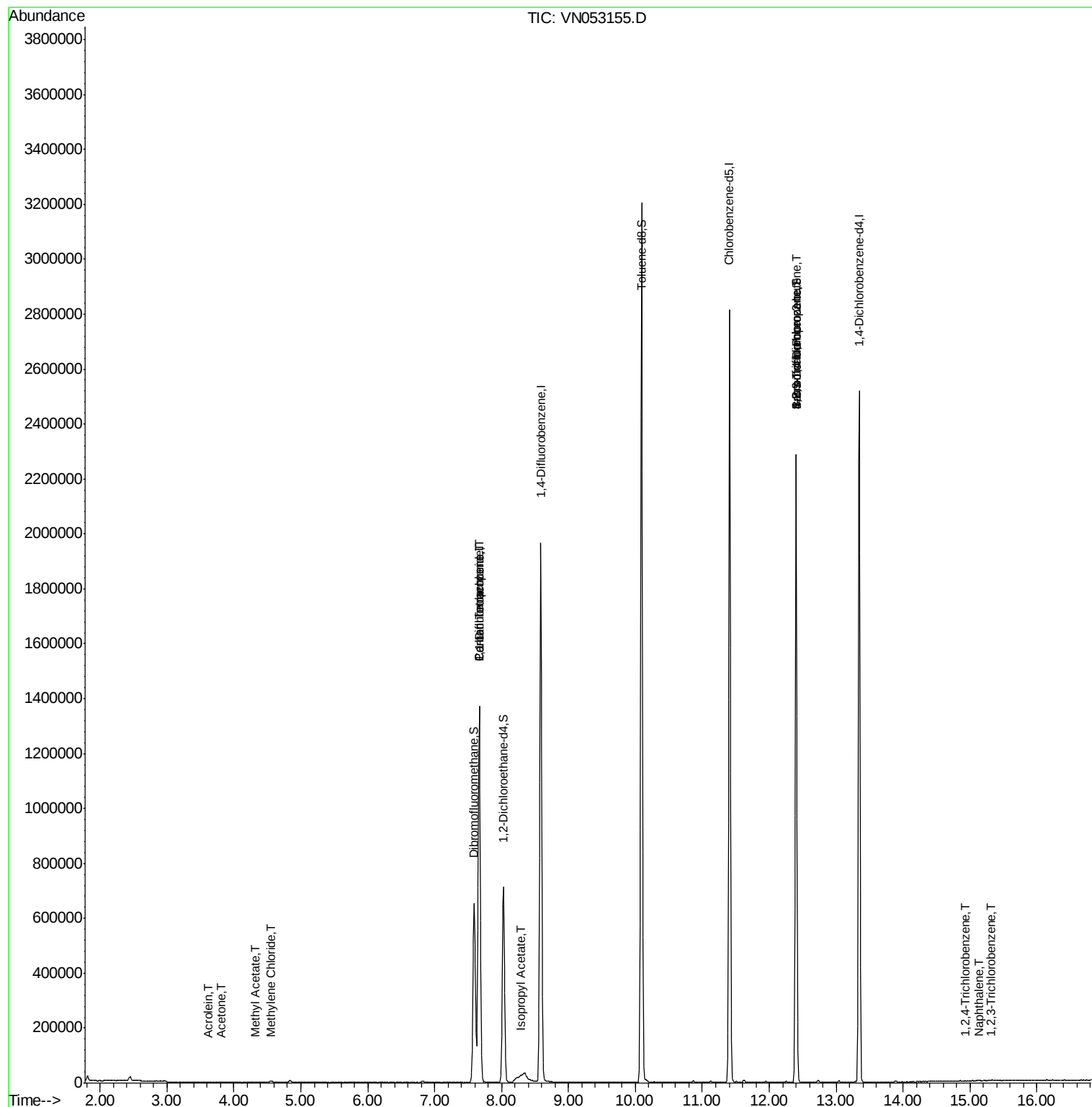
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	314	0.459	ug/l #	66
16) Acetone	3.82	43	2432	1.003	ug/l #	74
18) Methyl Acetate	4.32	43	2359	1.202	ug/l #	66
20) Methylene Chloride	4.56	84	4691	0.355	ug/l	89
31) Cyclohexane	7.66	56	20289	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	80326	4.449	ug/l #	49
38) Carbon Tetrachloride	7.67	117	102144	6.172	ug/l #	16
43) Isopropyl Acetate	8.29	43	43106	1.190	ug/l #	53
71) Bromoform	12.40	173	4405	0.463	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	369169	30.490	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	369169	98.273	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	584	0.641	ug/l #	58
95) Naphthalene	15.13	128	1645	1.203	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.31	180	436	0.545	ug/l #	46

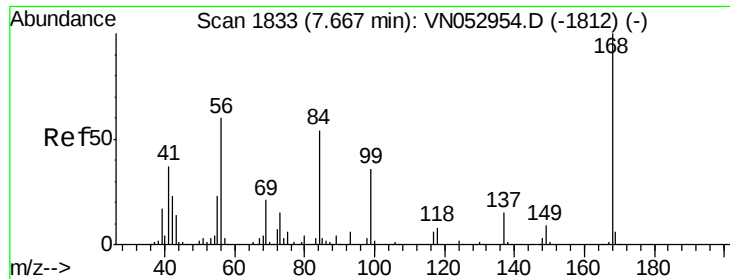
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122218\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
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: VN053155.D

Acq: 23 Dec 2018 2:06

Instrument :

MSVOA_N

ClientSampleId :

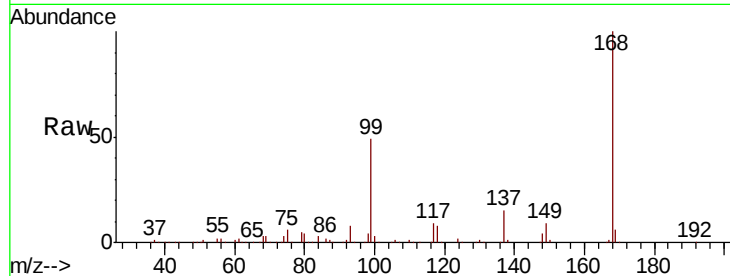
P001-SS021-0006-01ME

Tot Ion:168 Resp: 1218130

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053155.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053155.D (-1740) (-)

7.67

600000

500000

400000

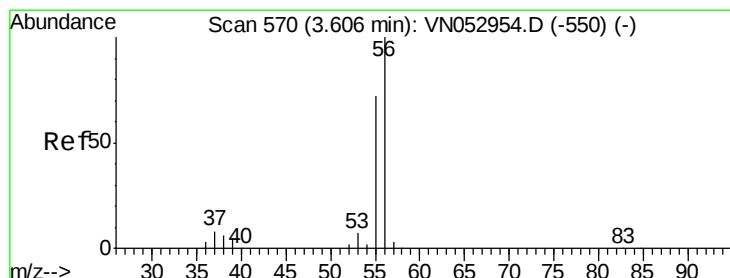
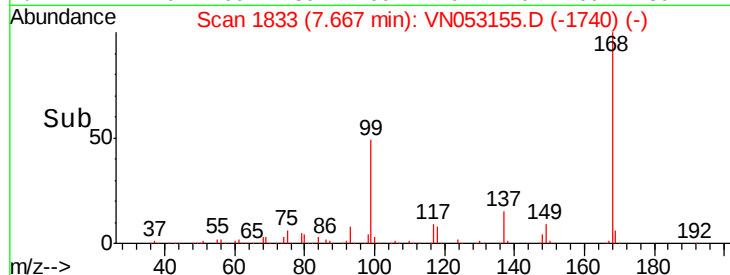
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.459 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053155.D

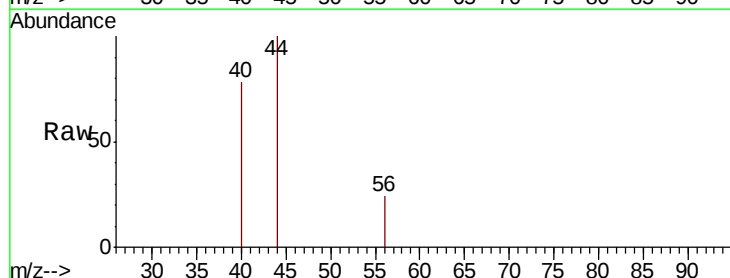
Acq: 23 Dec 2018 2:06

Tgt Ion: 56 Resp: 314

Ion Ratio Lower Upper

56 100

55 42.4 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN053155.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN053155.D (-477) (-)

3.61

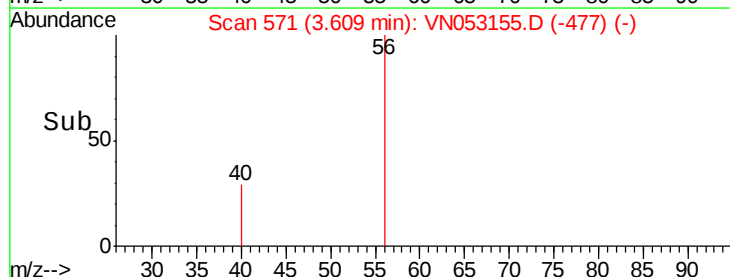
300

200

100

0

Time-->





#16

Acetone

Concen: 1.003 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053155.D

Acq: 23 Dec 2018 2:06

Instrument :

MSVOA_N

ClientSampleId :

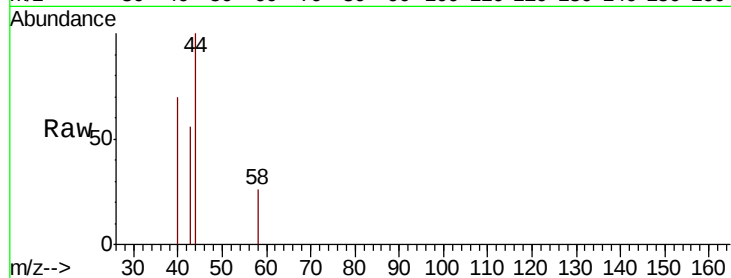
P001-SS021-0006-01ME

Tot Ion: 43 Resp: 2432

Ion Ratio Lower Upper

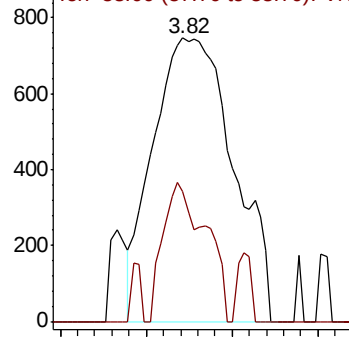
43 100

58 46.1 25.4 38.0#

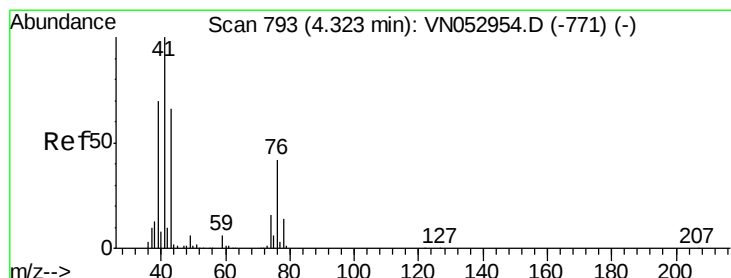
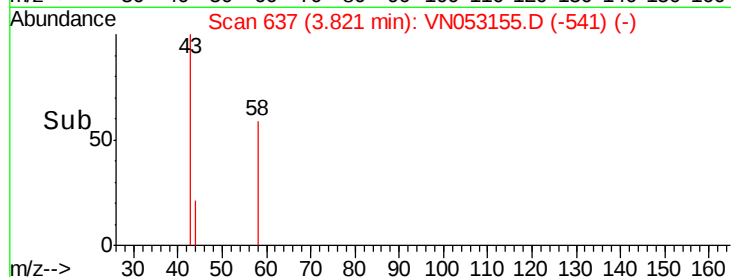


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 3.75 3.80 3.85 3.90



#18

Methyl Acetate

Concen: 1.202 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053155.D

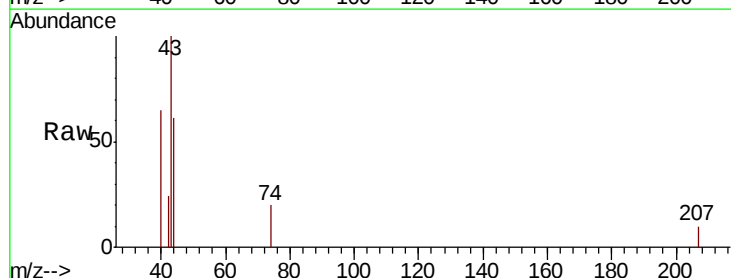
Acq: 23 Dec 2018 2:06

Tgt Ion: 43 Resp: 2359

Ion Ratio Lower Upper

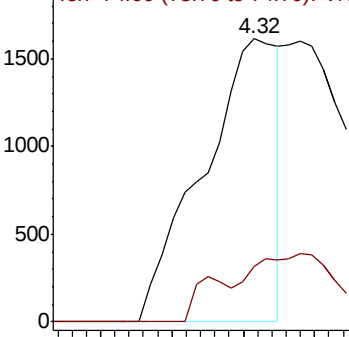
43 100

74 7.3 19.2 28.8#

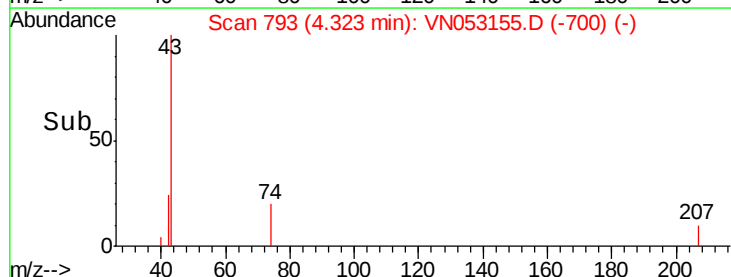


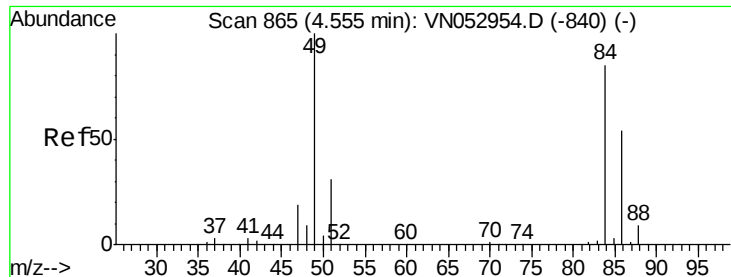
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



Time--> 4.28 4.30 4.32 4.34

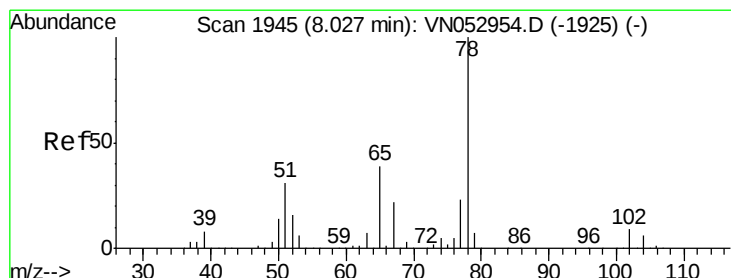
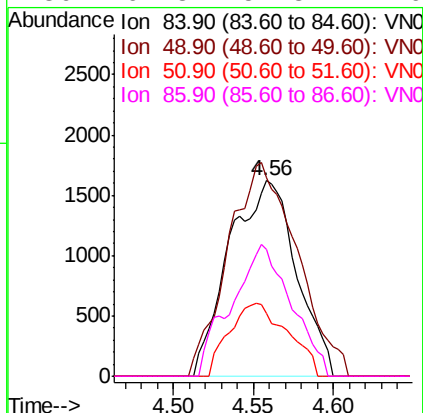
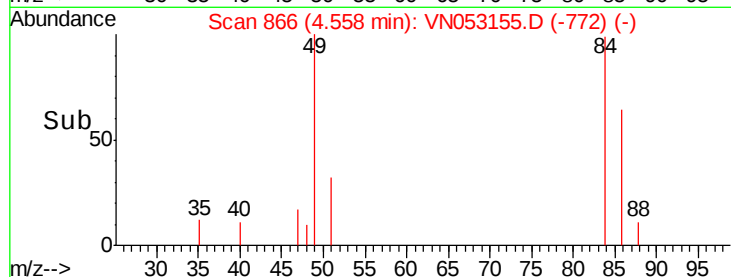
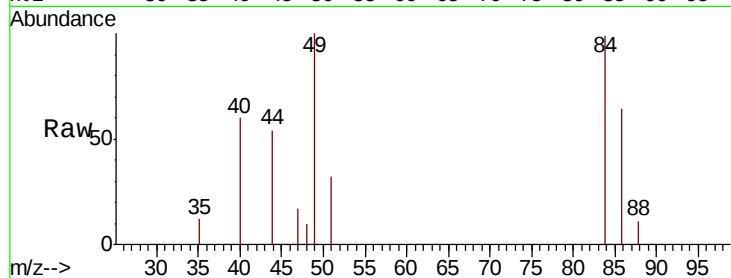




#20
Methvlene Chloride
Concen: 0.355 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053155.D
Acq: 23 Dec 2018 2:06

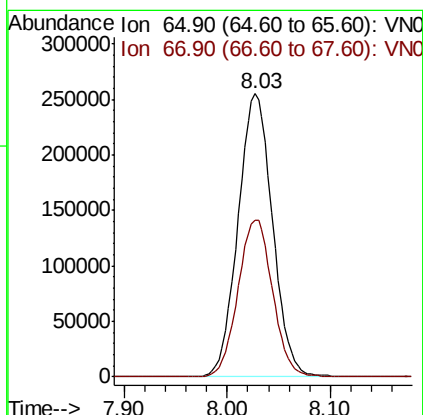
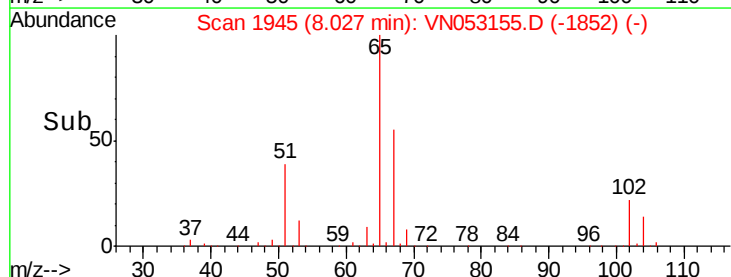
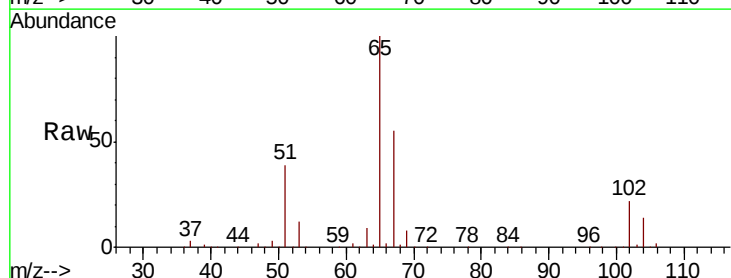
Instrument :
MSVOA_N
ClientSampleId :
P001-SS021-0006-01ME

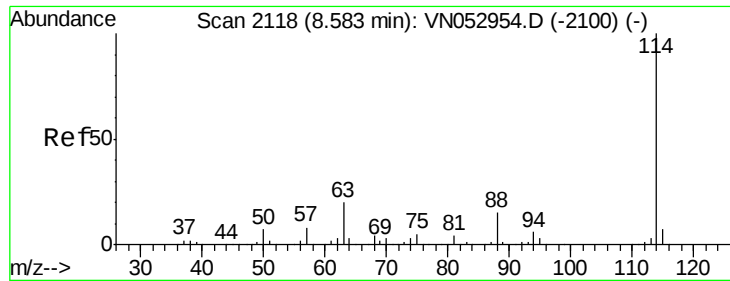
Tot Ion: 84 Resp: 4691
Ion Ratio Lower Upper
84 100
49 101.1 96.8 145.2
51 31.9 29.9 44.9
86 64.8 51.8 77.6



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN053155.D
Acq: 23 Dec 2018 2:06

Tgt Ion: 65 Resp: 592471
Ion Ratio Lower Upper
65 100
67 55.7 0.0 110.4

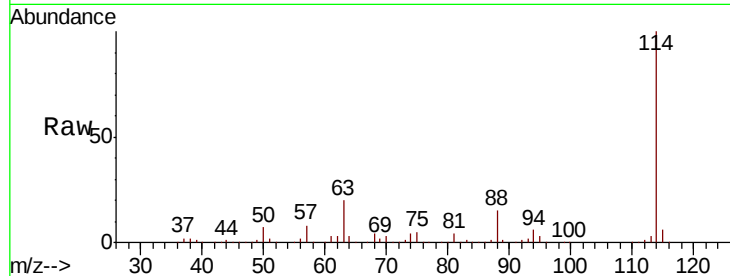




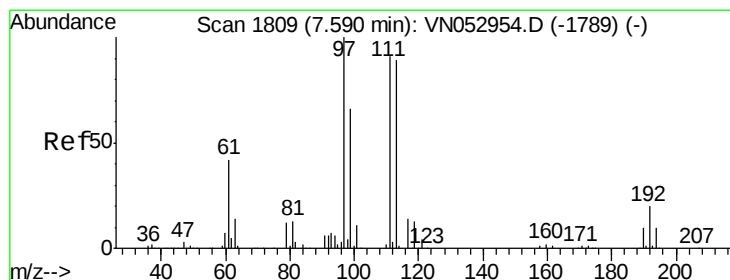
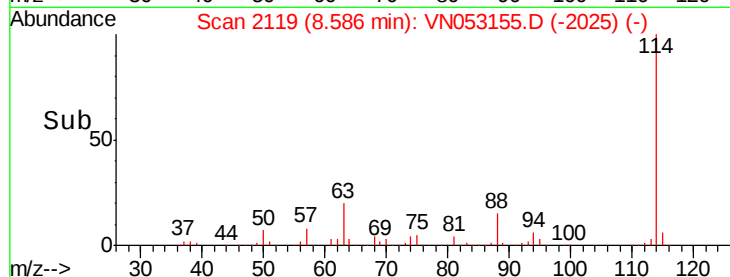
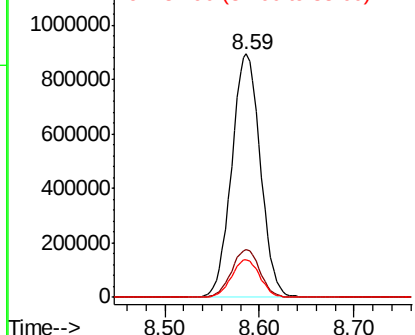
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053155.D
 Acq: 23 Dec 2018 2:06

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS021-0006-01ME

Tot Ion:114 Resp: 1881184
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.5 0.0 31.0

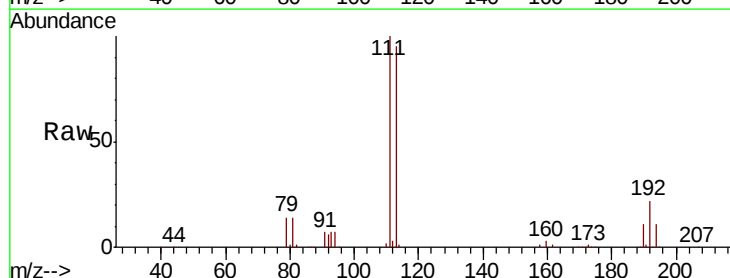


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

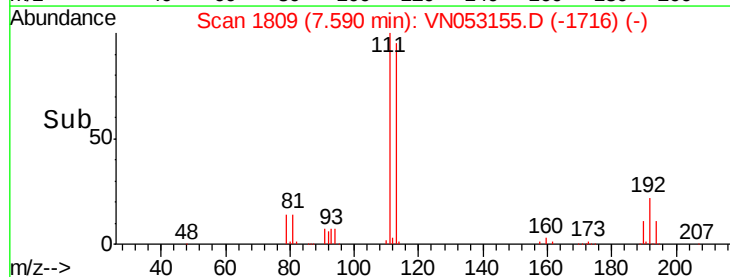
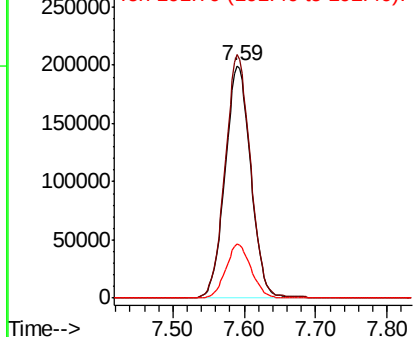


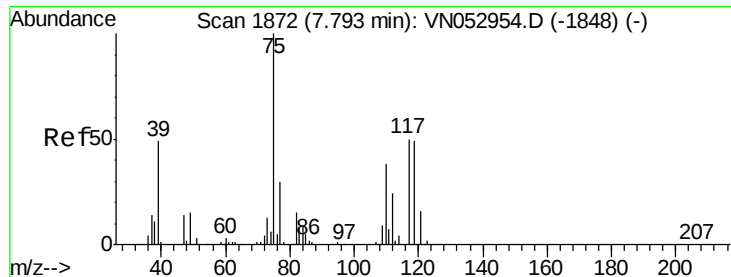
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053155.D
 Acq: 23 Dec 2018 2:06

Tgt Ion:113 Resp: 501308
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.0 124.4
 192 22.8 17.5 26.3



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

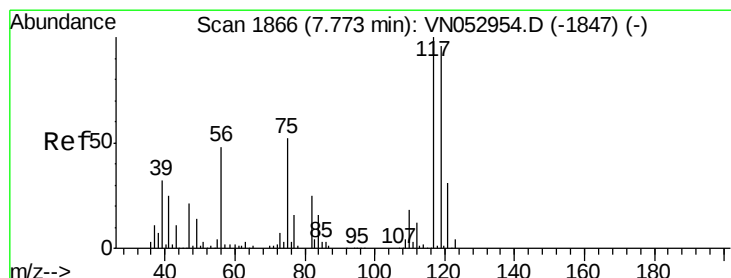
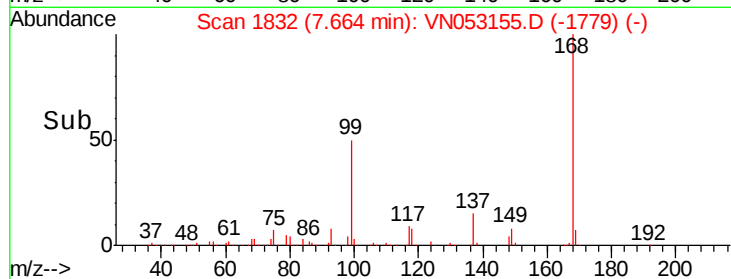
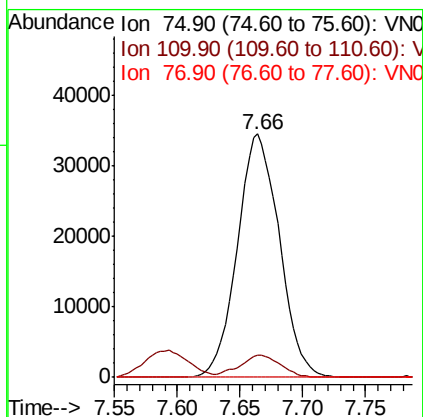
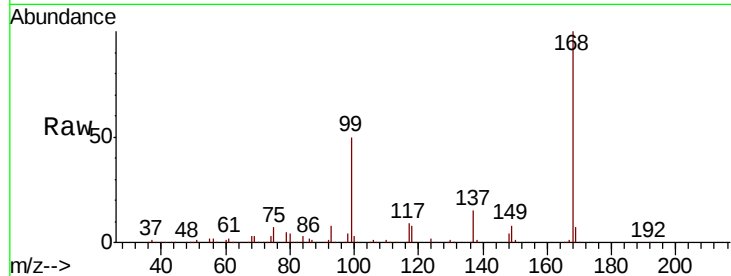




#36
 1,1-Dichloropropene
 Concen: 4.449 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053155.D
 Acq: 23 Dec 2018 2:06

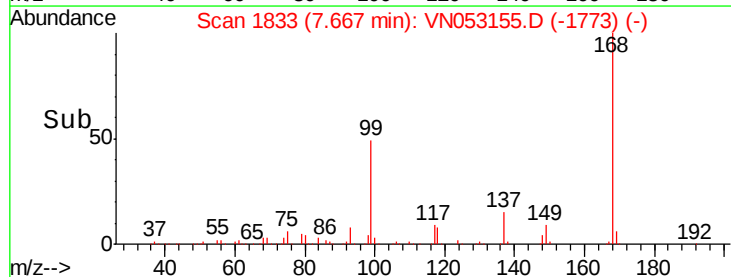
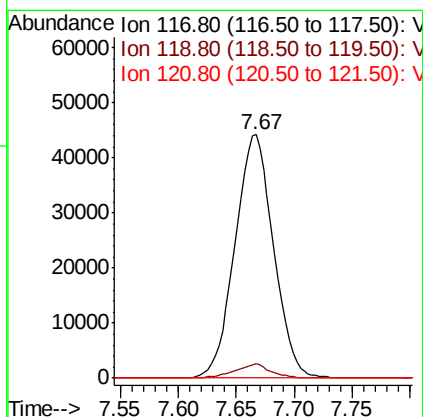
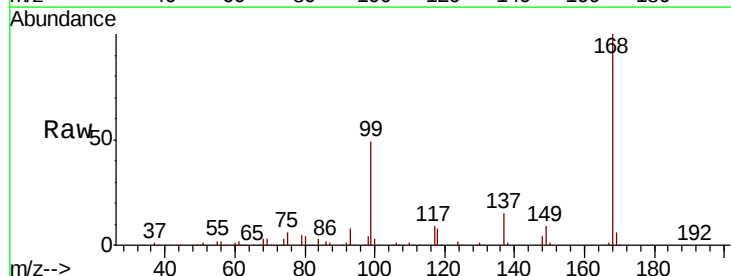
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS021-0006-01ME

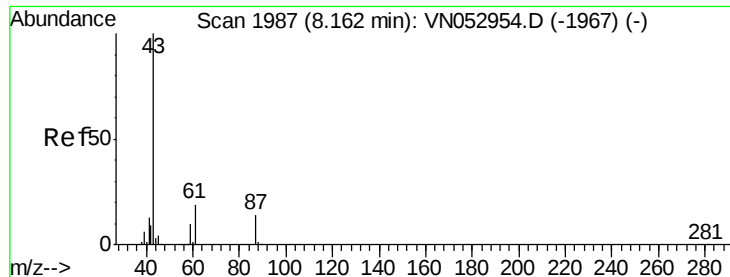
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.2	54.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.172 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053155.D
 Acq: 23 Dec 2018 2:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	77.1	115.7#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 1.190 ug/l

RT: 8.29 min Scan# 2026

Delta R.T. 0.13 min

Lab File: VN053155.D

Acq: 23 Dec 2018 2:06

Instrument :

MSVOA_N

ClientSampleId :

P001-SS021-0006-01ME

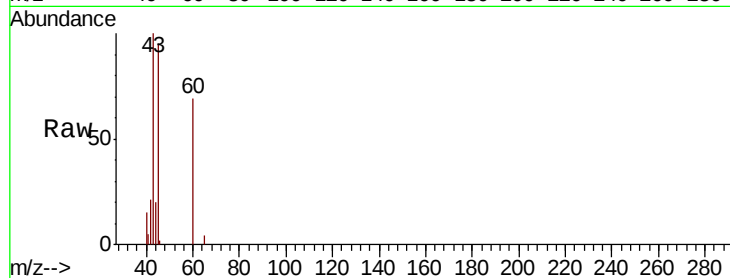
Tot Ion: 43 Resp: 43106

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

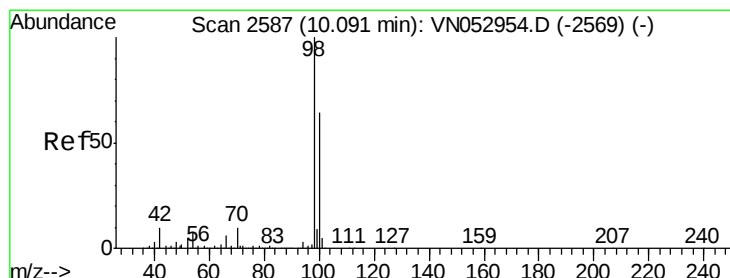
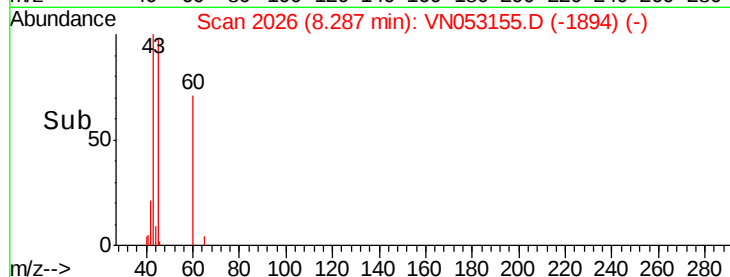
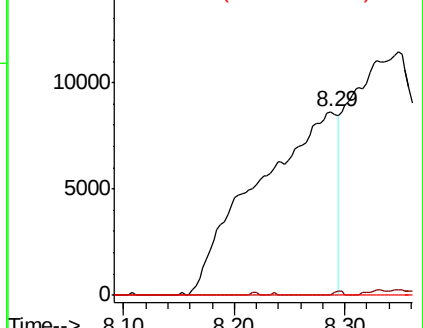
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN053155.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053155.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053155.D (-1894) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053155.D

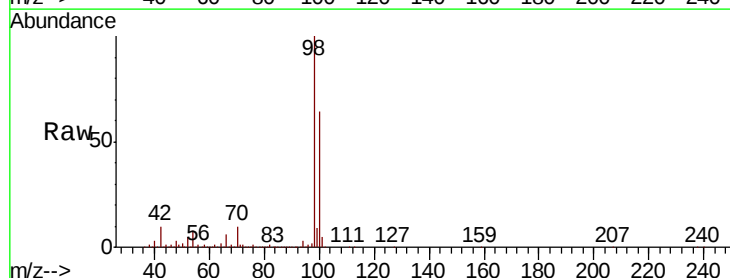
Acq: 23 Dec 2018 2:06

Tgt Ion: 98 Resp: 2296217

Ion Ratio Lower Upper

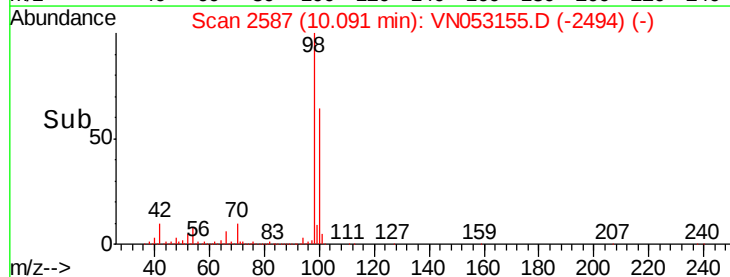
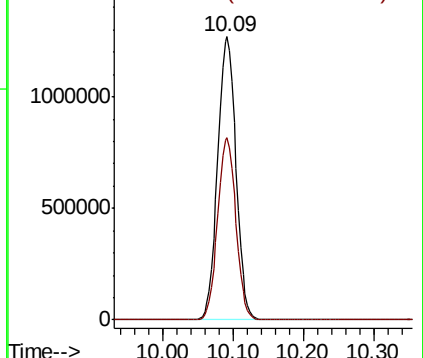
98 100

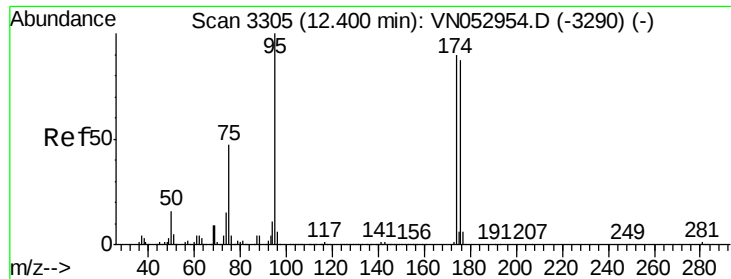
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053155.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053155.D (-2494) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053155.D

Acq: 23 Dec 2018 2:06

Instrument :

MSVOA_N

ClientSampleId :

P001-SS021-0006-01ME

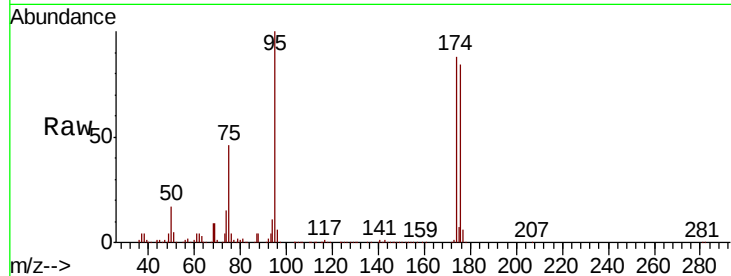
Tot Ion: 95 Resp: 797256

Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.8

176 86.0 0.0 173.8



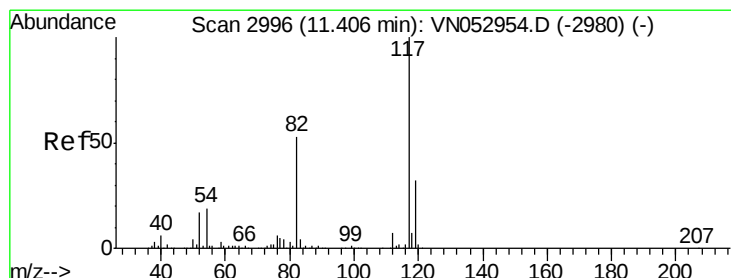
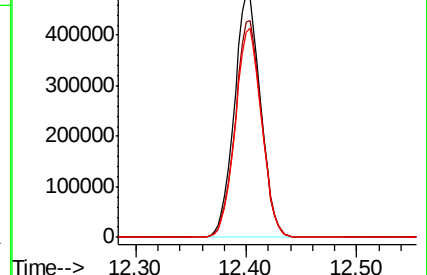
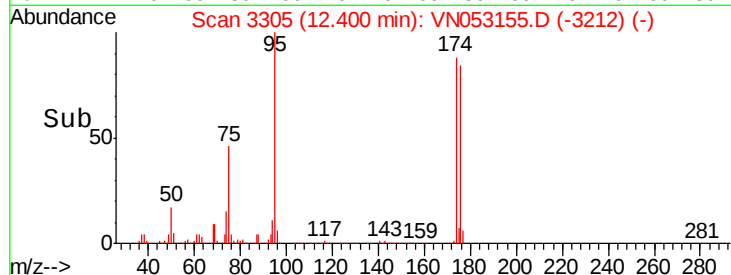
Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

Time-->

12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053155.D

Acq: 23 Dec 2018 2:06

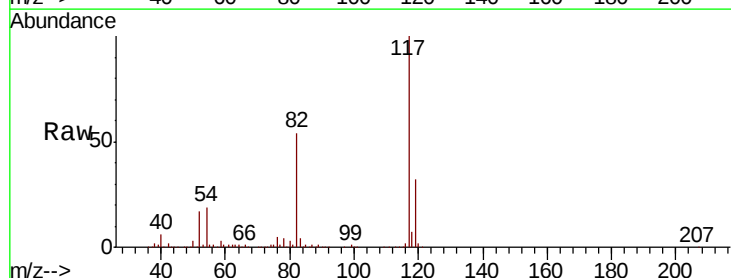
Tgt Ion: 117 Resp: 1708571

Ion Ratio Lower Upper

117 100

82 53.8 42.8 64.2

119 32.1 25.5 38.3



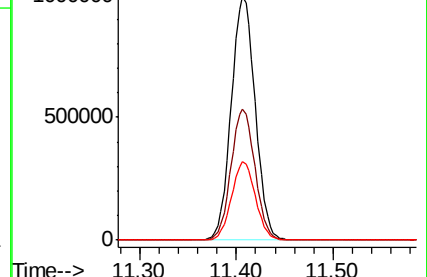
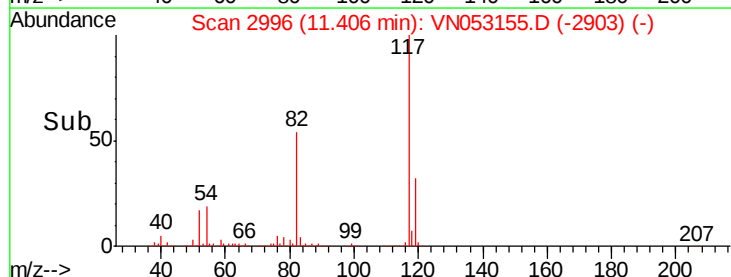
Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

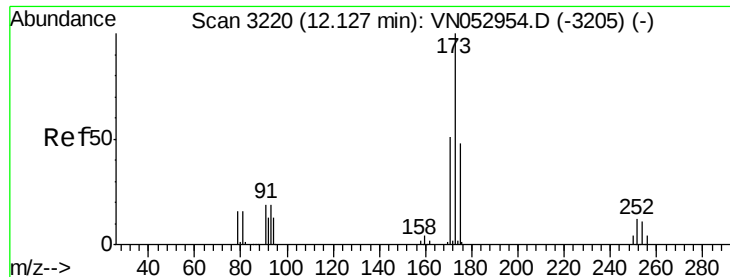
Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

Time-->

11.30 11.40 11.50





#71

Bromoform

Concen: 0.463 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053155.D

Acq: 23 Dec 2018 2:06

Instrument :

MSVOA_N

ClientSampleId :

P001-SS021-0006-01ME

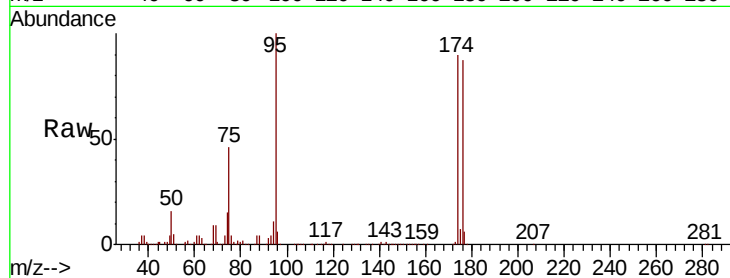
Tot Ion:173 Resp: 4405

Ion Ratio Lower Upper

173 100

175 1040.7 24.3 72.9#

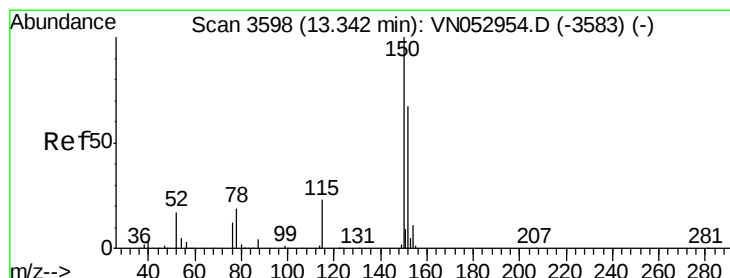
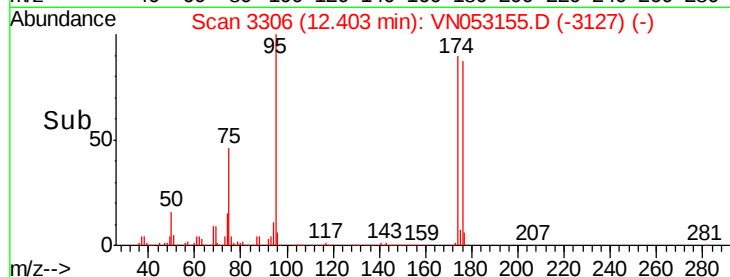
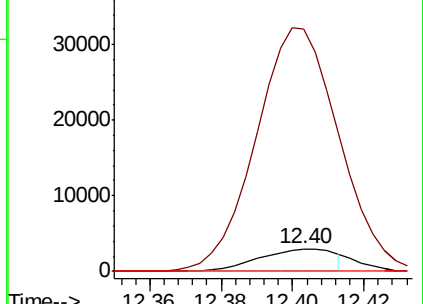
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053155.D

Acq: 23 Dec 2018 2:06

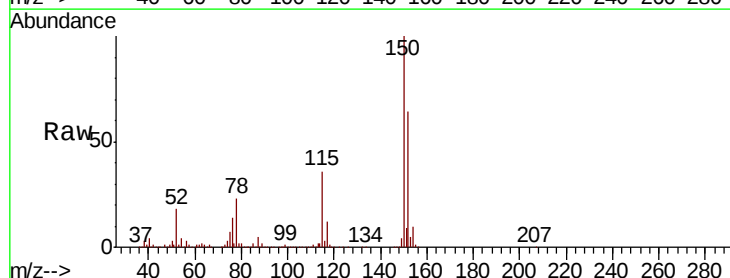
Tgt Ion:152 Resp: 719248

Ion Ratio Lower Upper

152 100

115 55.5 28.3 85.0

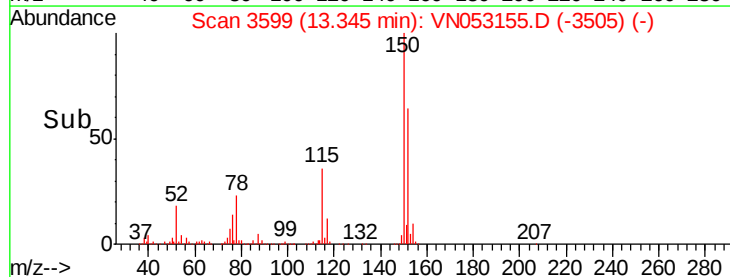
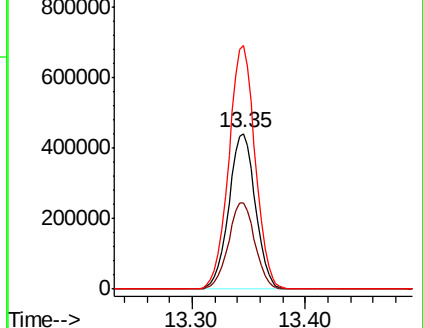
150 155.5 0.0 347.8

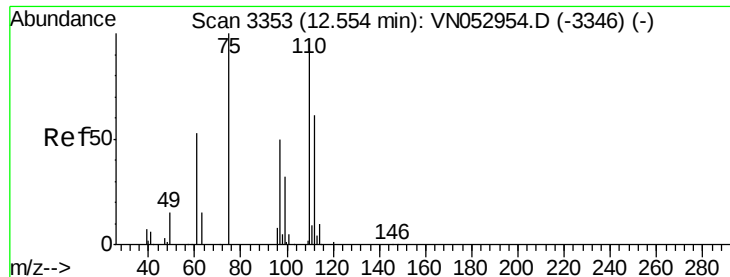


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.490 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053155.D

Acq: 23 Dec 2018 2:06

Instrument :

MSVOA_N

ClientSampleId :

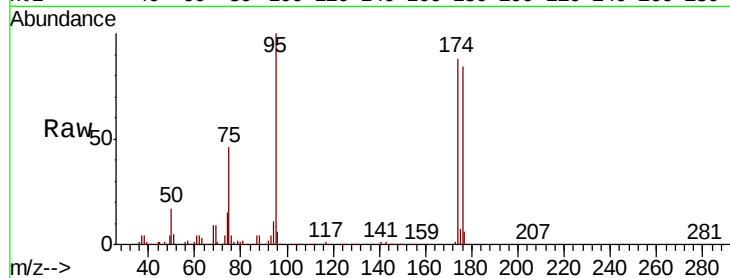
P001-SS021-0006-01ME

Tot Ion: 75 Resp: 369169

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

250000

200000

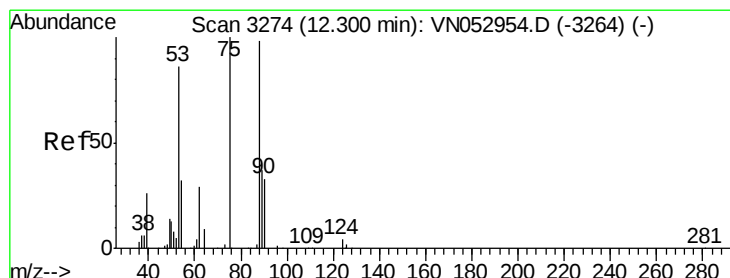
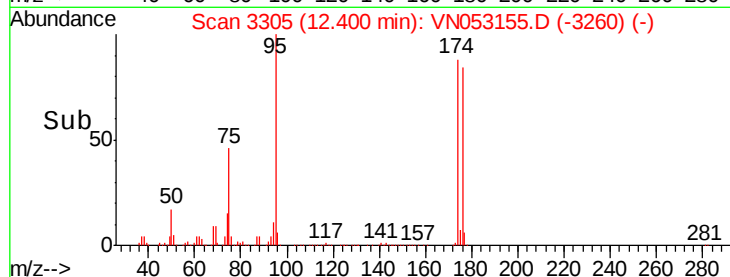
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 98.273 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053155.D

Acq: 23 Dec 2018 2:06

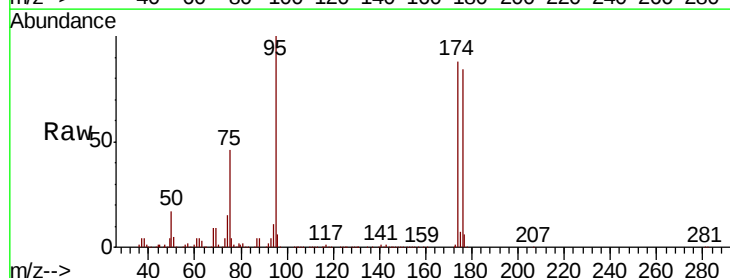
Tgt Ion: 75 Resp: 369169

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

300000

250000

200000

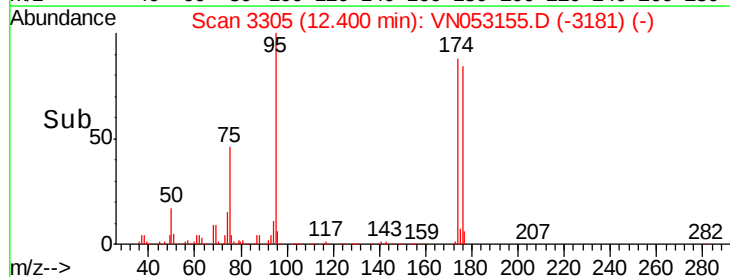
150000

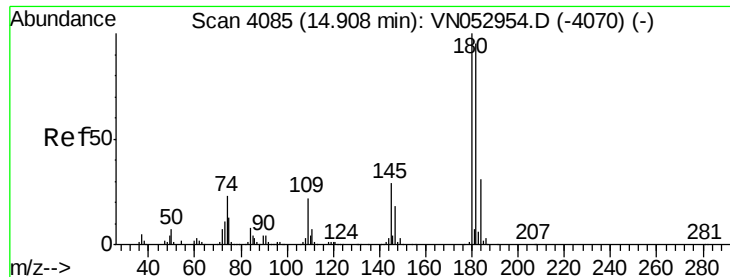
100000

50000

0

Time-->

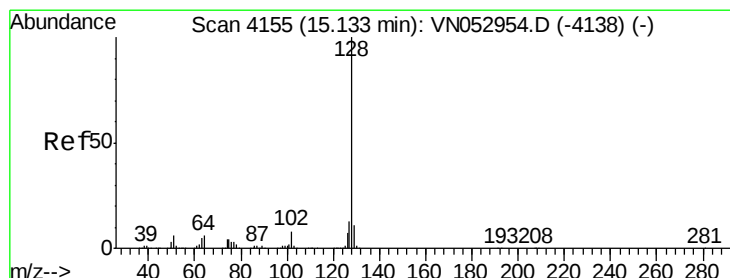
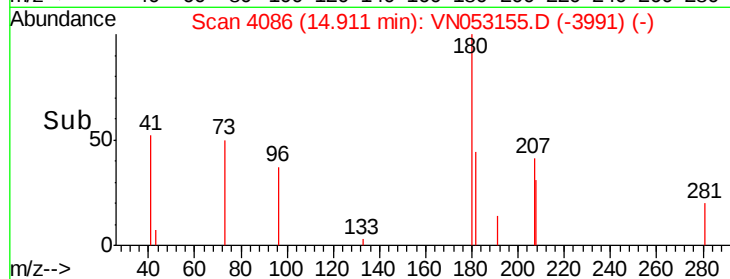
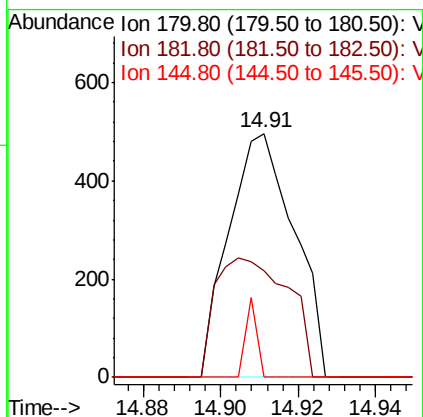
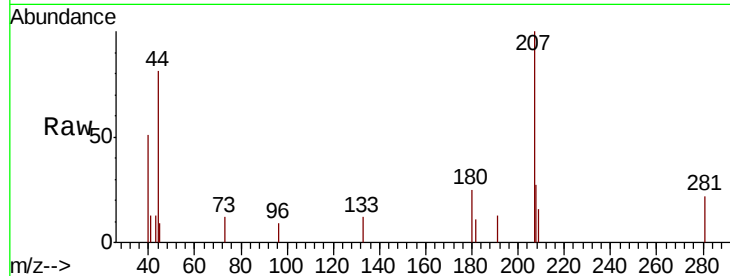




#93
 1,2,4-Trichlorobenzene
 Concen: 0.641 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053155.D
 Acq: 23 Dec 2018 2:06

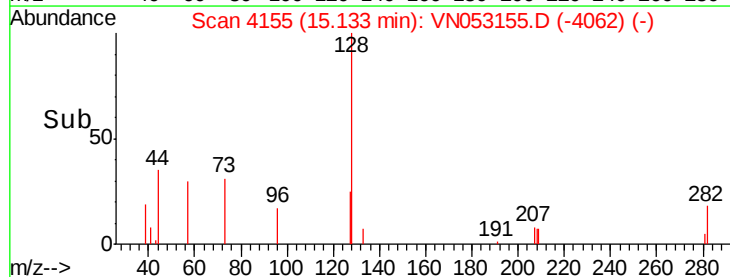
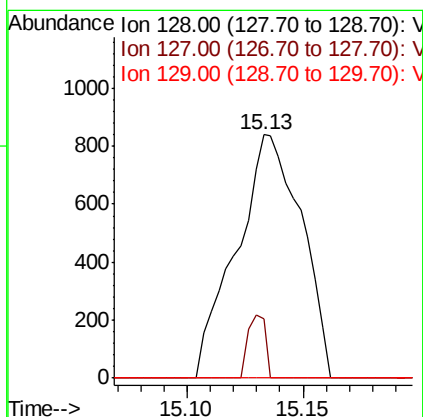
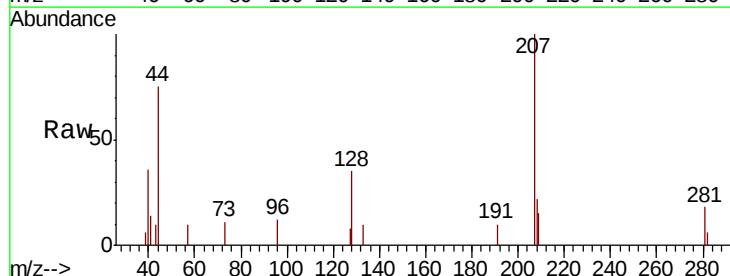
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS021-0006-01ME

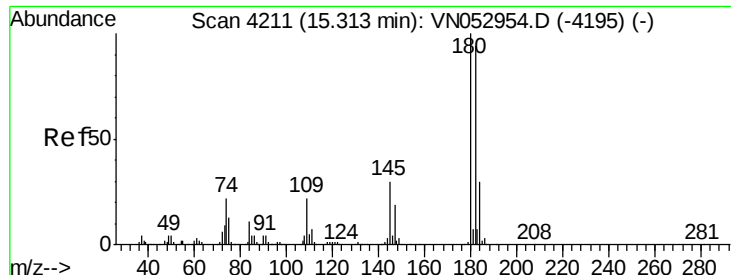
Tot Ion:180 Resp: 584
 Ion Ratio Lower Upper
 180 100
 182 54.5 47.8 143.3
 145 5.3 14.2 42.6#



#95
 Naphthalene
 Concen: 1.203 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN053155.D
 Acq: 23 Dec 2018 2:06

Tgt Ion:128 Resp: 1645
 Ion Ratio Lower Upper
 128 100
 127 7.0 10.2 15.4#
 129 0.0 8.6 13.0#

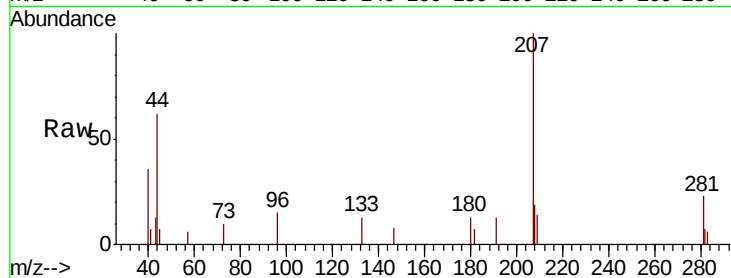




#96
 1,2,3-Trichlorobenzene
 Concen: 0.545 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN053155.D
 Acq: 23 Dec 2018 2:06

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS021-0006-01ME

Tot Ion	Ratio	Lower	Upper
180	100		
182	44.0	47.9	143.7#
145	0.0	15.0	45.0#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

