

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053520.D
 Acq On : 22 Jan 2019 15:36
 Operator : JC/SP
 Sample : K1215-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW530-2327

Quant Time: Jan 23 02:55:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	828265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1289166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1183553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	495967	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	422746	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.28%		
35) Dibromofluoromethane	7.59	113	384547	52.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.54%		
50) Toluene-d8	10.09	98	1597394	51.34	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.68%		
62) 4-Bromofluorobenzene	12.40	95	526189	48.23	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.46%		

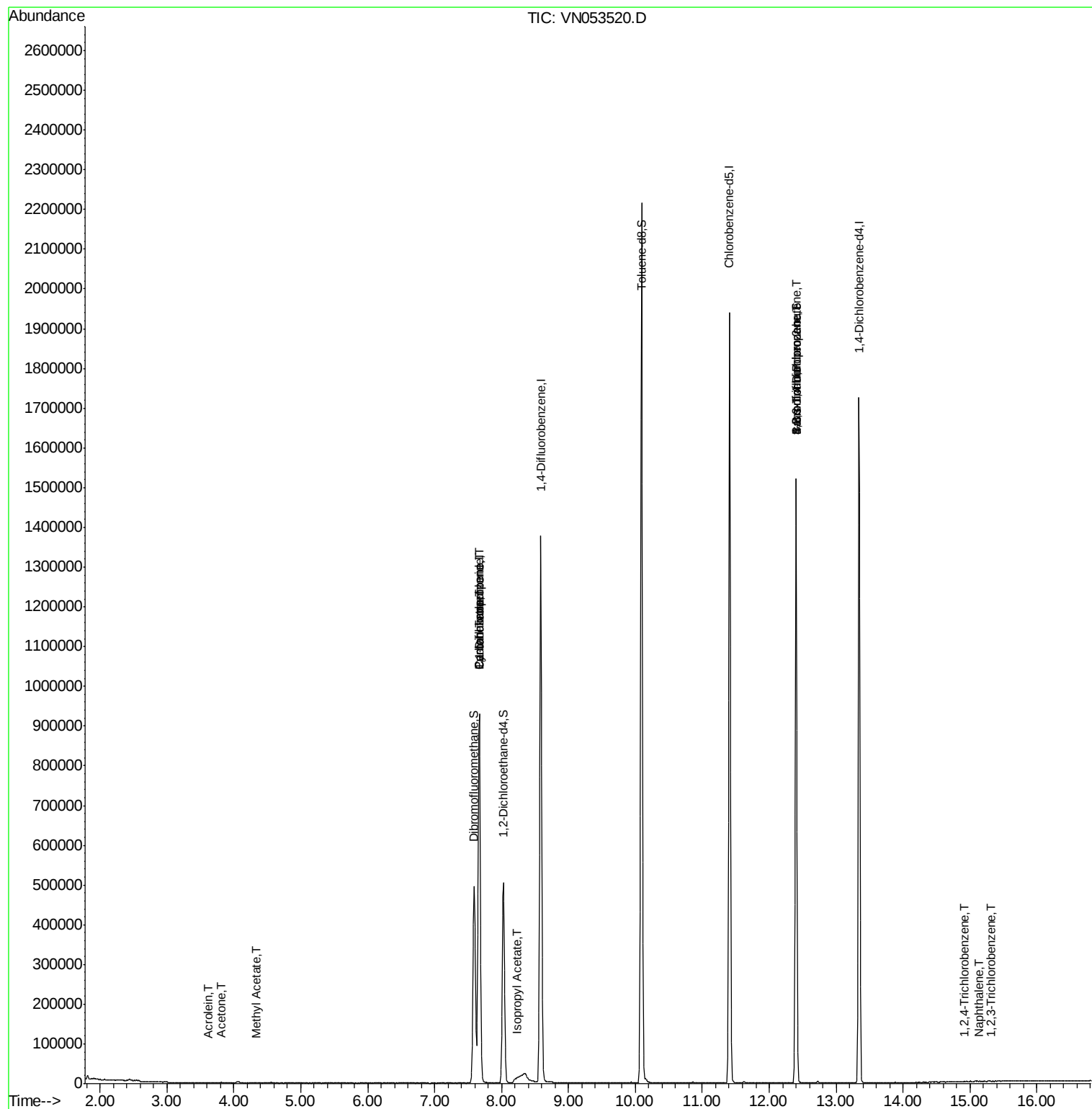
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	61	22.809	ug/l #	14
16) Acetone	3.82	43	4401	2.291	ug/l	93
18) Methyl Acetate	4.34	43	1560	0.241	ug/l #	51
31) Cyclohexane	7.66	56	12907	0.676	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	53560	4.562	ug/l #	49
38) Carbon Tetrachloride	7.67	117	69454	6.249	ug/l #	17
43) Isopropyl Acetate	8.22	43	10876	0.895	ug/l #	51
71) Bromoform	12.40	173	3763	0.627	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	248167	37.970	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	248167	93.757	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	303	2.808	ug/l #	64
95) Naphthalene	15.14	128	485	3.976	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	29	3.909	ug/l #	1

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
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: VN053520.D

Acq: 22 Jan 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

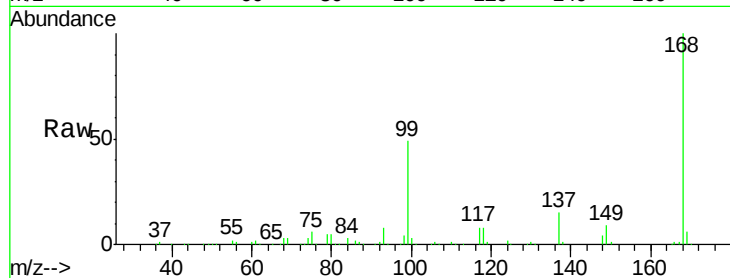
SA-TW530-2327

Tot Ion:168 Resp: 828265

Ion Ratio Lower Upper

168 100

99 48.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053399.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN053399.D (-1812) (-)

7.67

400000

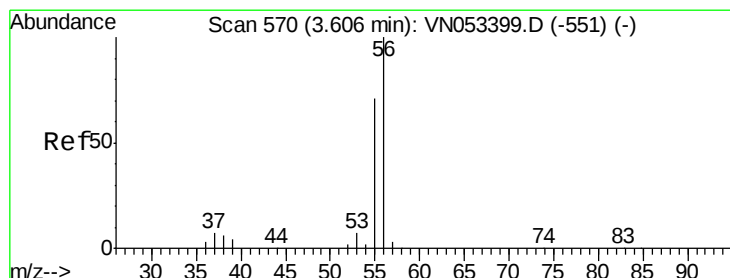
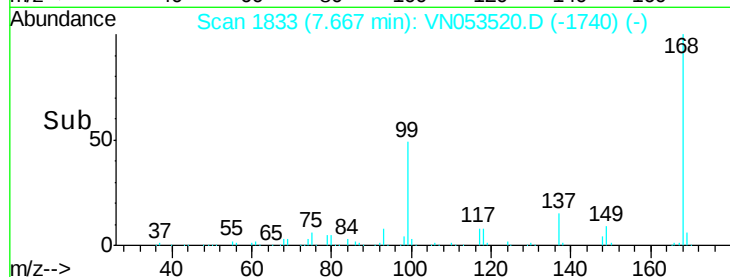
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 22.809 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053520.D

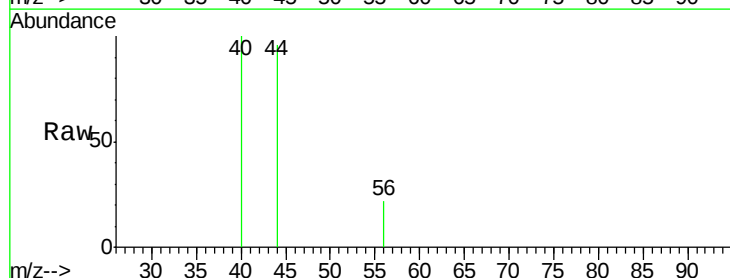
Acq: 22 Jan 2019 15:36

Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN053399.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN053399.D (-551) (-)

3.60

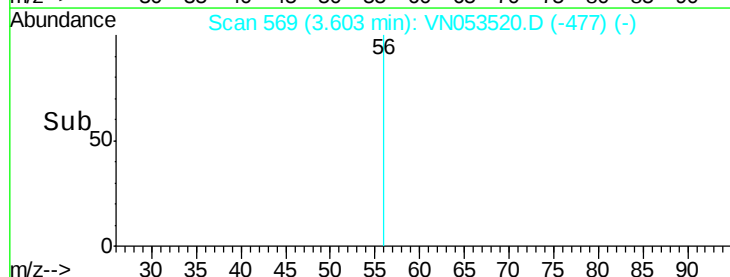
150

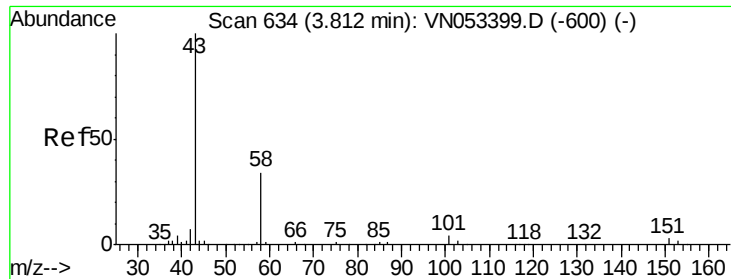
100

50

0

Time-->





#16

Acetone

Concen: 2.291 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053520.D

Acq: 22 Jan 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

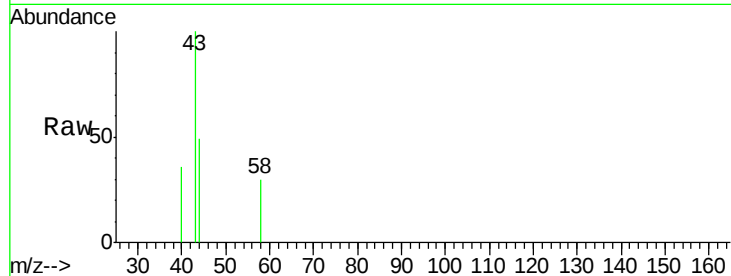
SA-TW530-2327

Tot Ion: 43 Resp: 4401

Ion Ratio Lower Upper

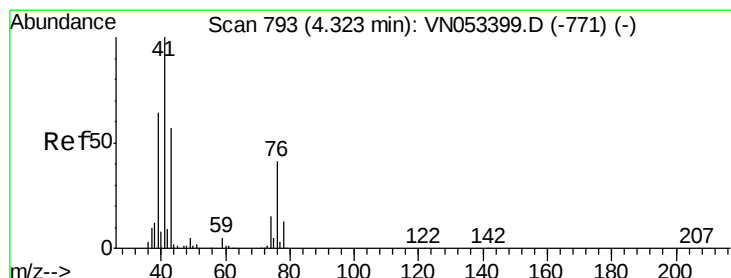
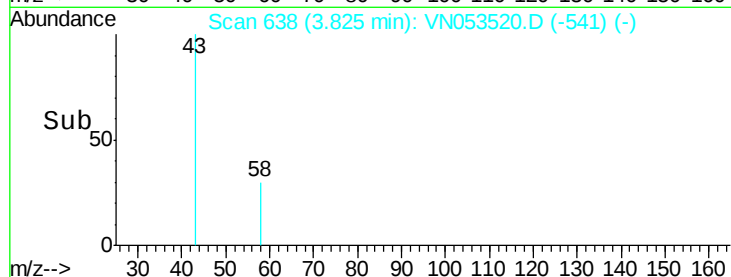
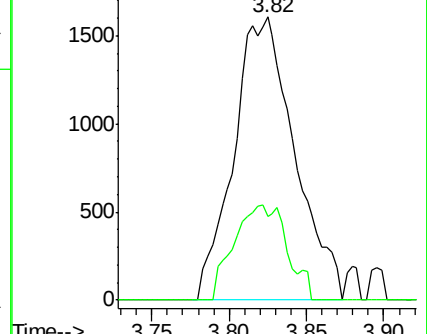
43 100

58 29.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.241 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN053520.D

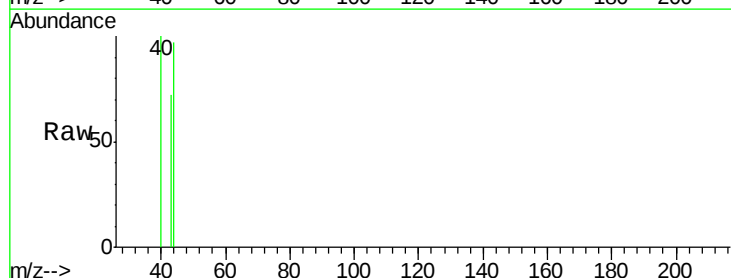
Acq: 22 Jan 2019 15:36

Tgt Ion: 43 Resp: 1560

Ion Ratio Lower Upper

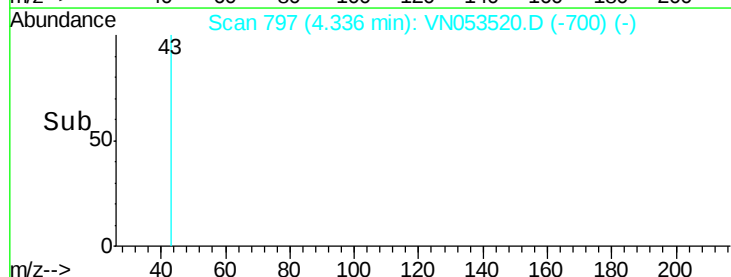
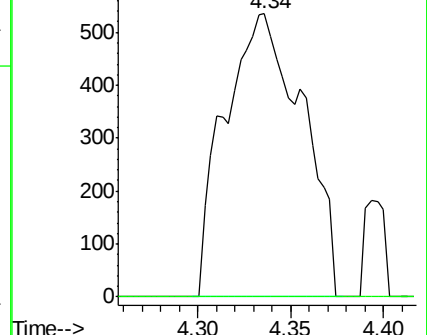
43 100

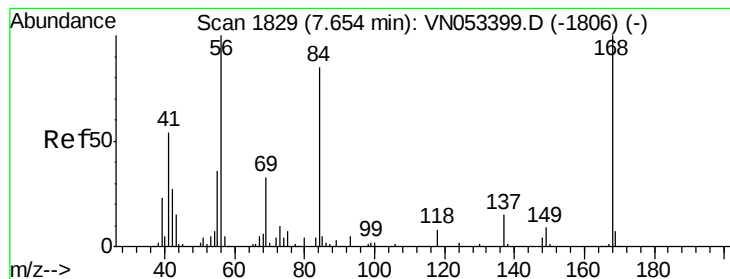
74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#31

Cyclohexane

Concen: 0.676 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053520.D

Acq: 22 Jan 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

SA-TW530-2327

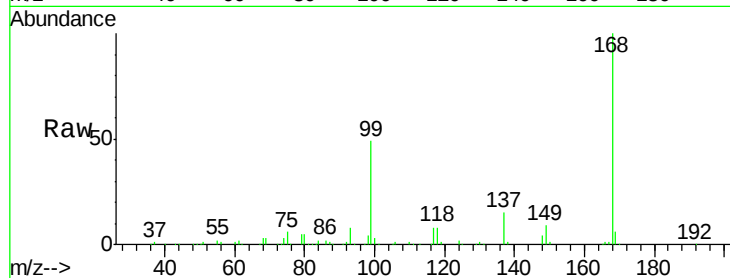
Tot Ion: 56 Resp: 12907

Ion Ratio Lower Upper

56 100

69 203.2 26.4 39.6#

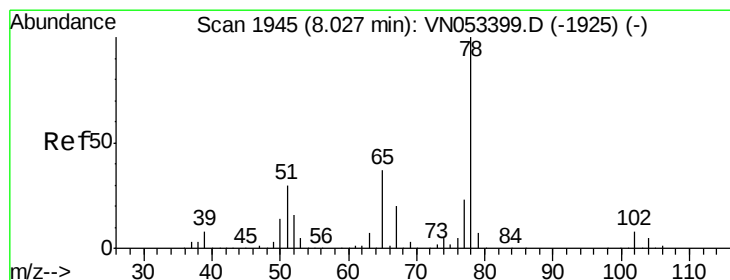
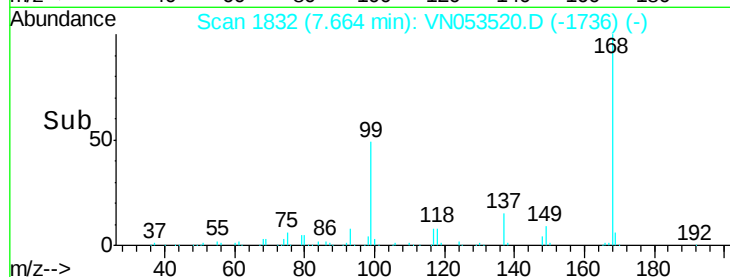
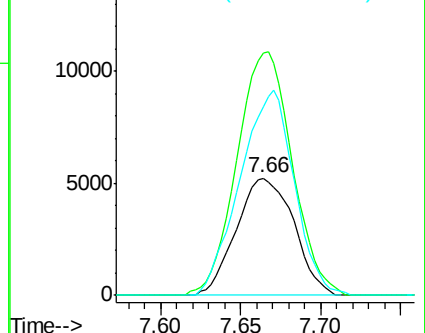
84 160.5 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053520.D

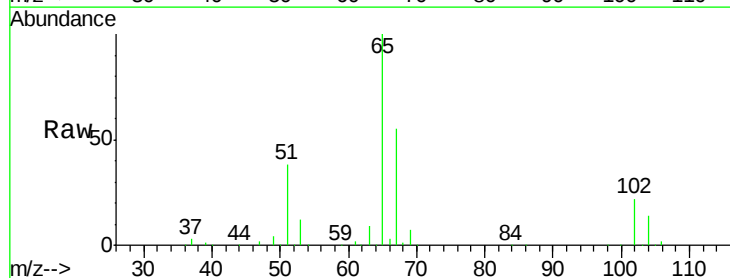
Acq: 22 Jan 2019 15:36

Tgt Ion: 65 Resp: 422746

Ion Ratio Lower Upper

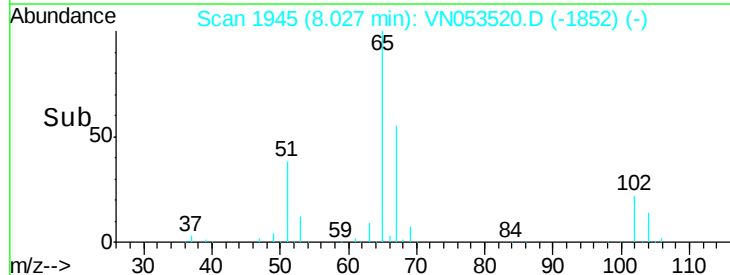
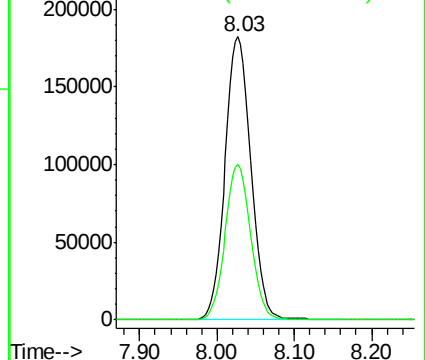
65 100

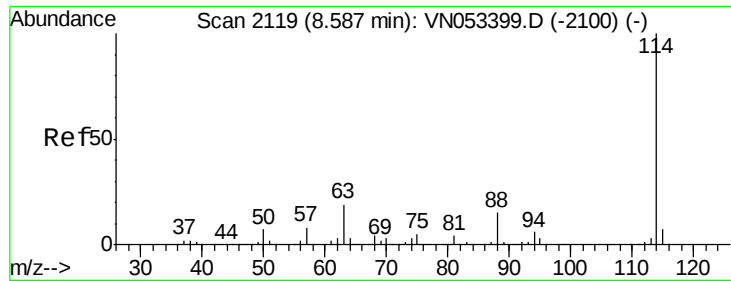
67 54.5 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

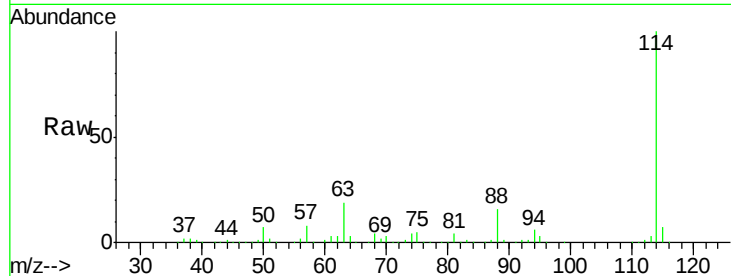




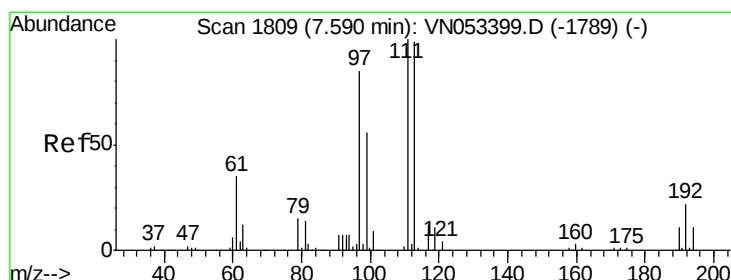
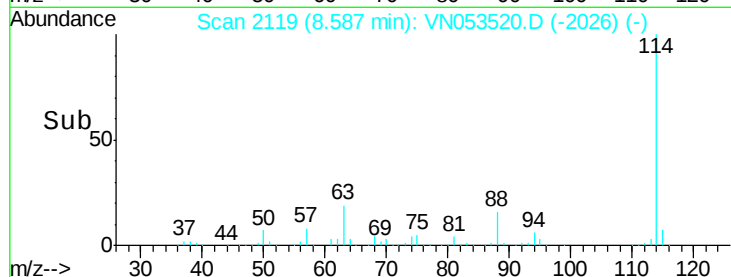
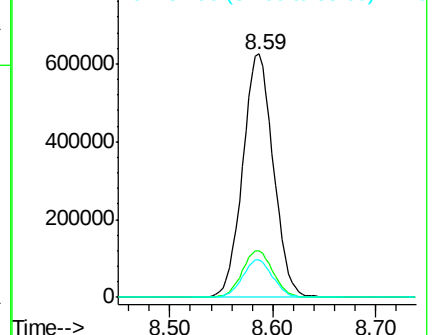
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053520.D
Acq: 22 Jan 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
SA-TW530-2327

Tot Ion:114 Resp: 1289166
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.6
88 15.5 0.0 30.4

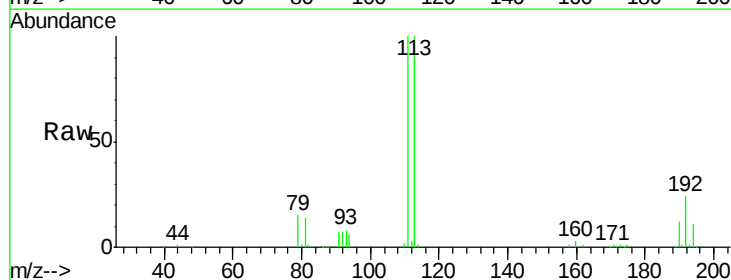


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

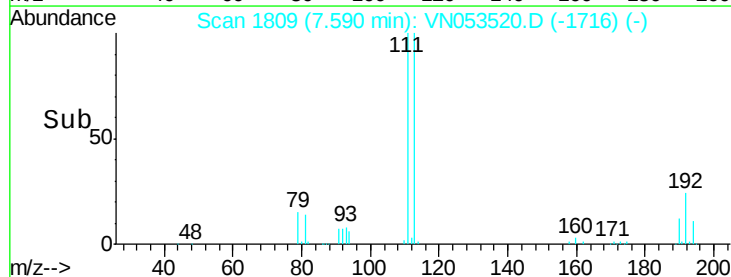
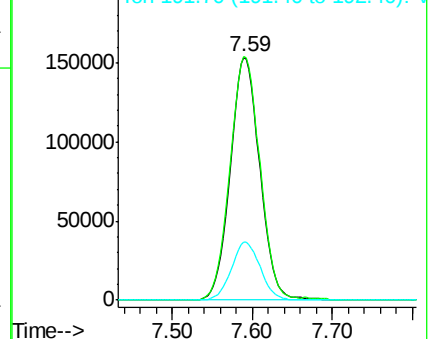


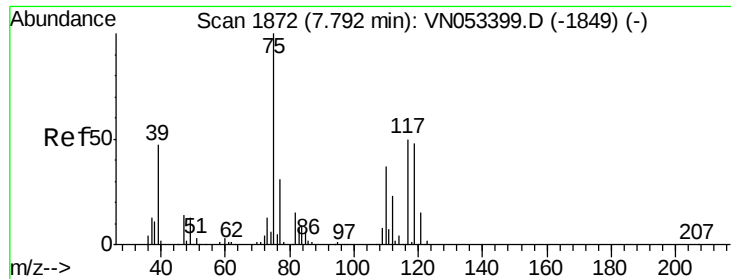
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053520.D
Acq: 22 Jan 2019 15:36

Tgt Ion:113 Resp: 384547
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 23.4 18.2 27.2



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

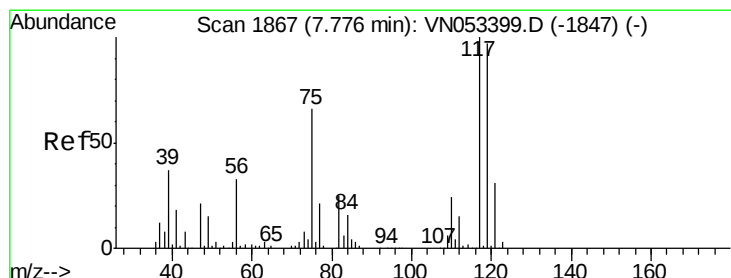
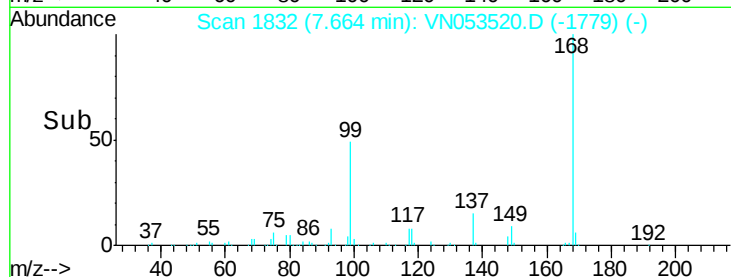
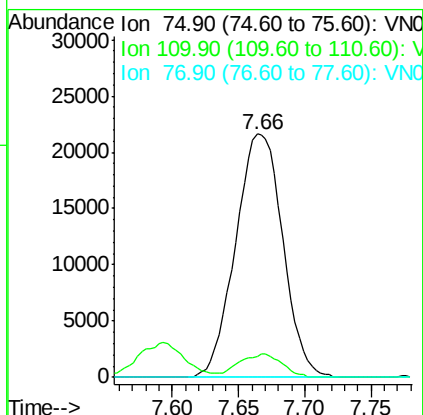
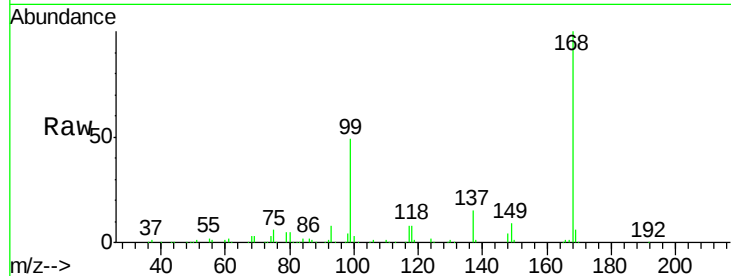




#36
 1,1-Dichloropropene
 Concen: 4.562 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053520.D
 Acq: 22 Jan 2019 15:36

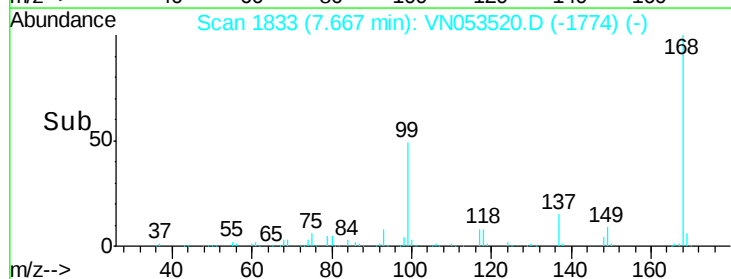
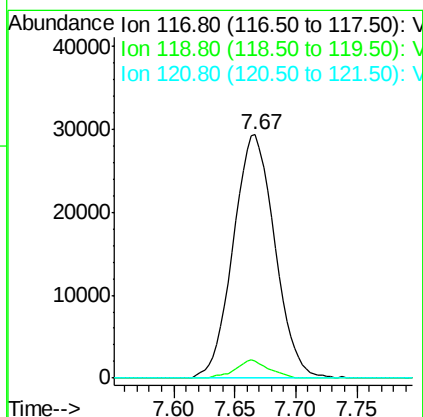
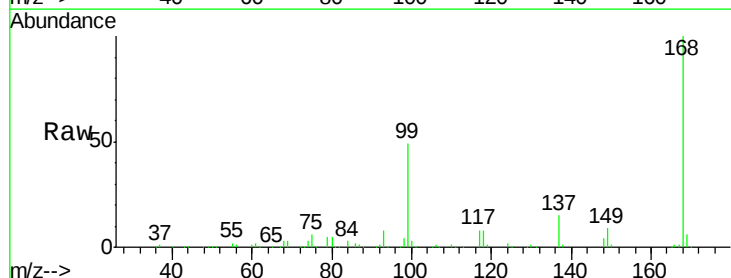
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW530-2327

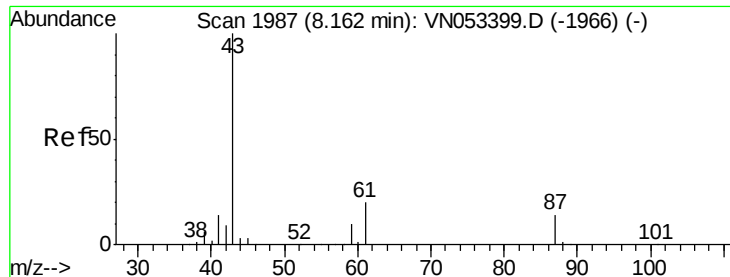
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.3#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.249 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053520.D
 Acq: 22 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	77.2	115.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 0.895 ug/l

RT: 8.22 min Scan# 2004

Delta R.T. 0.05 min

Lab File: VN053520.D

Acq: 22 Jan 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

SA-TW530-2327

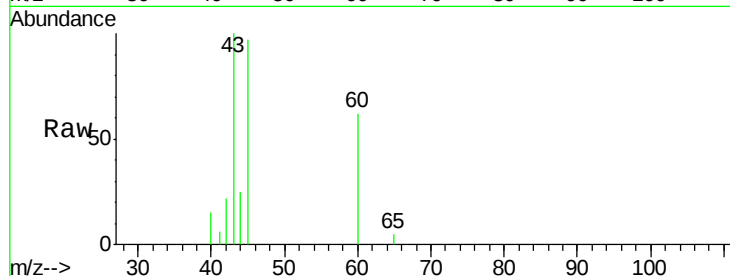
Tot Ion: 43 Resp: 10876

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

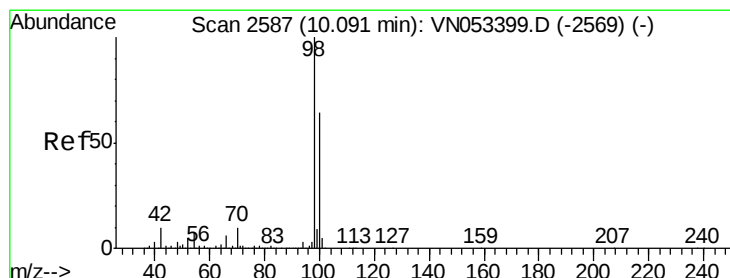
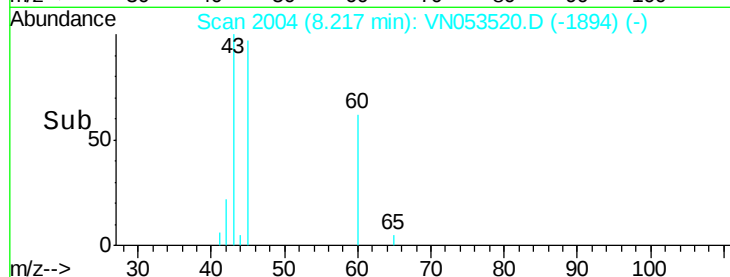
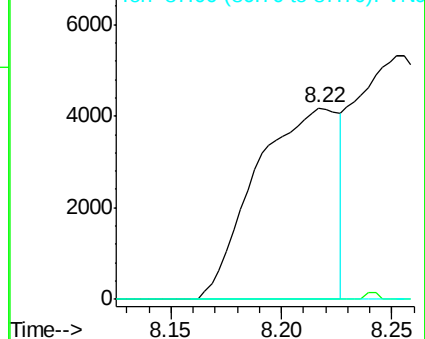
87 0.0 11.0 16.6#



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: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053520.D

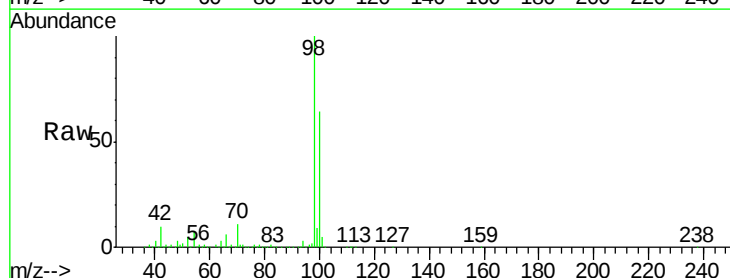
Acq: 22 Jan 2019 15:36

Tgt Ion: 98 Resp: 1597394

Ion Ratio Lower Upper

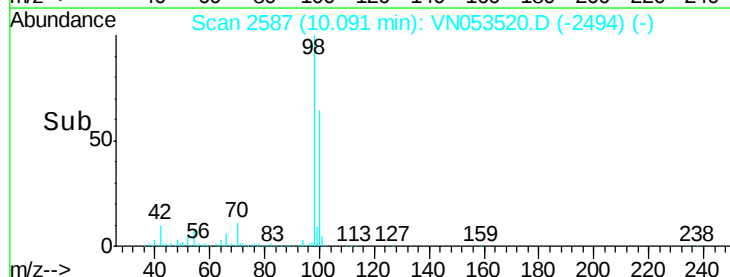
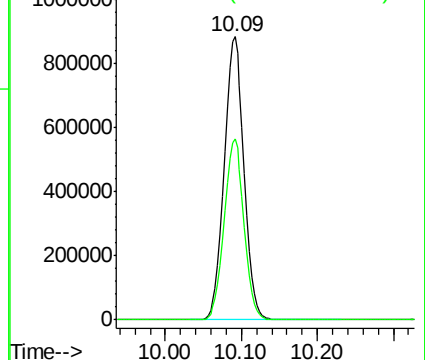
98 100

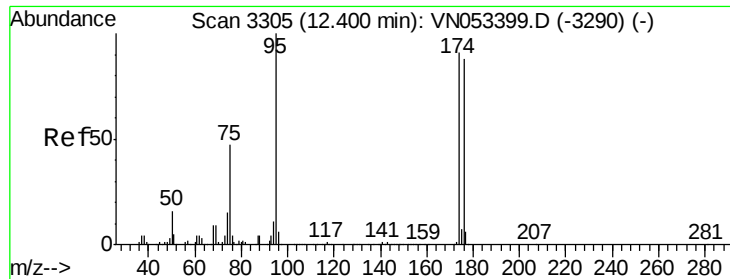
100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

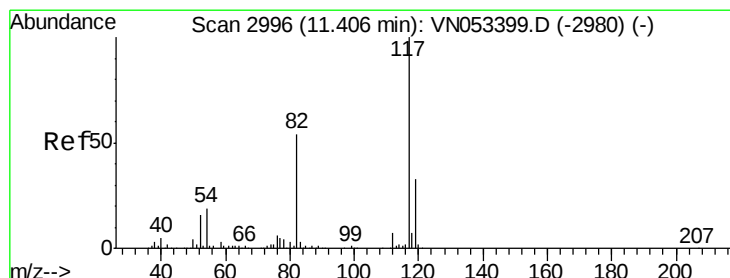
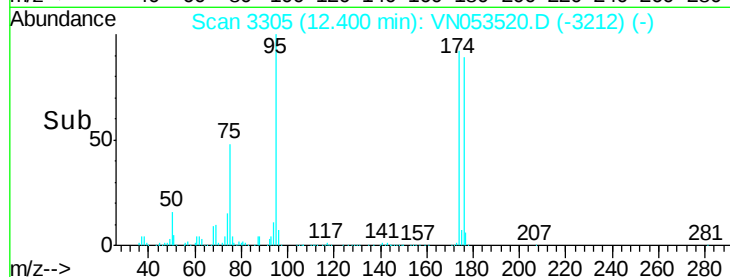
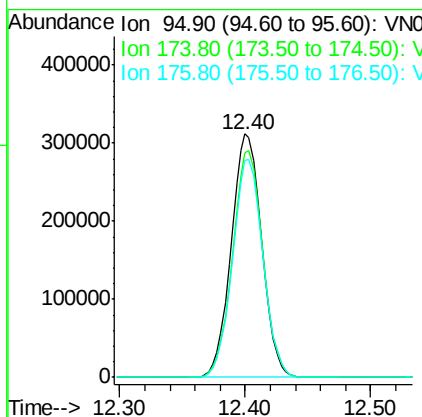
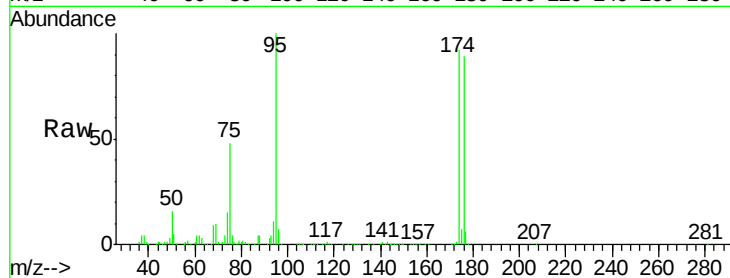




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053520.D
Acq: 22 Jan 2019 15:36

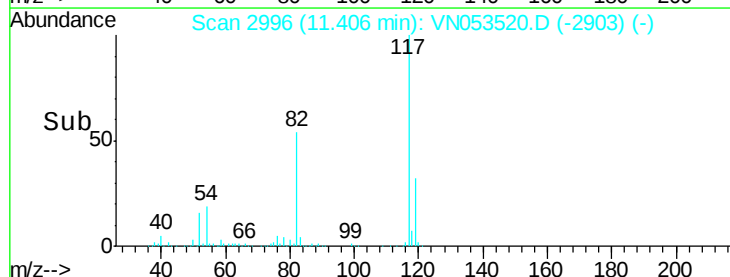
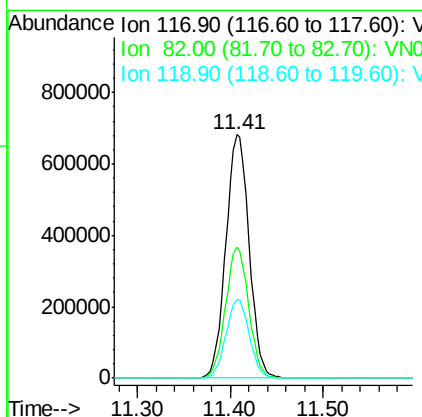
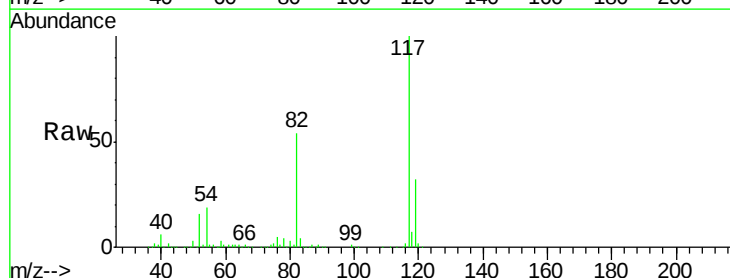
Instrument :
MSVOA_N
ClientSampleId :
SA-TW530-2327

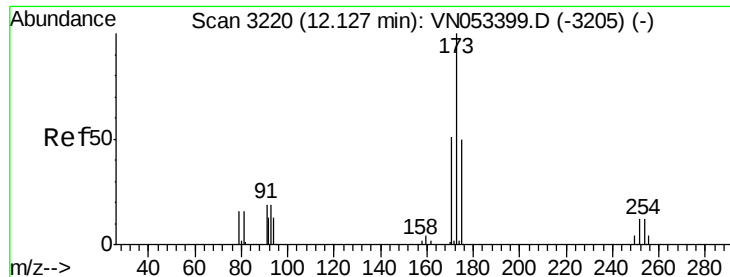
Tot Ion: 95 Resp: 526189
Ion Ratio Lower Upper
95 100
174 92.6 0.0 183.2
176 89.1 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053520.D
Acq: 22 Jan 2019 15:36

Tgt Ion: 117 Resp: 1183553
Ion Ratio Lower Upper
117 100
82 53.8 42.9 64.3
119 32.4 26.0 39.0





#71

Bromoform

Concen: 0.627 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053520.D

Acq: 22 Jan 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

SA-TW530-2327

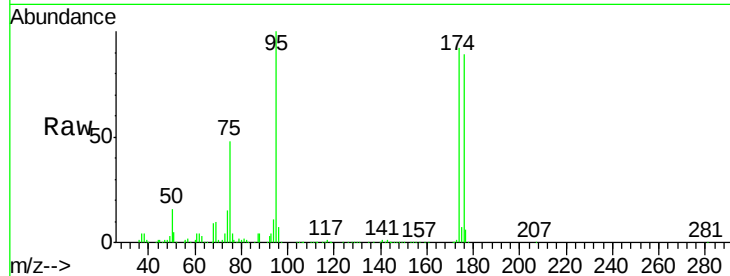
Tot Ion:173 Resp: 3763

Ion Ratio Lower Upper

173 100

175 828.4 24.6 74.0#

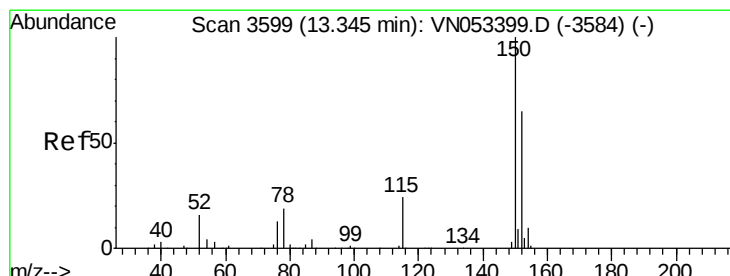
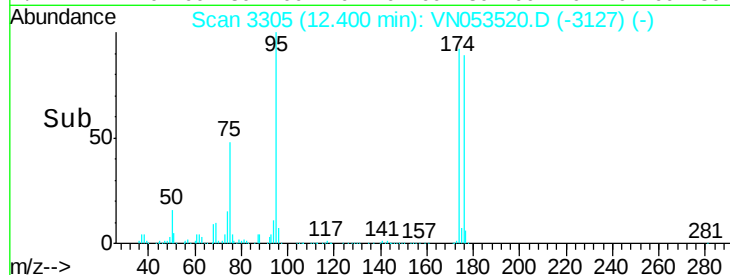
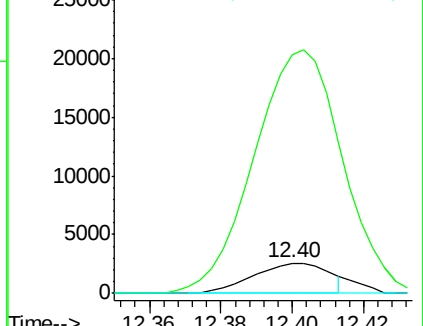
254 0.0 0.2 0.2#



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: VN053520.D

Acq: 22 Jan 2019 15:36

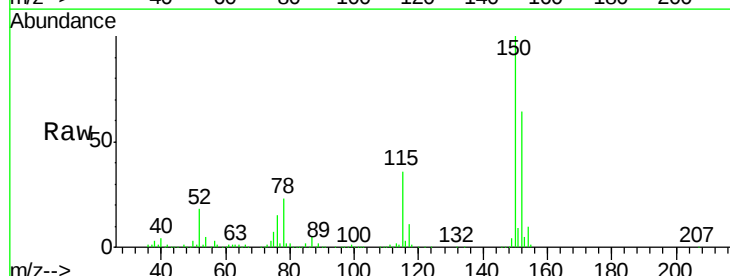
Tgt Ion:152 Resp: 495967

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.4

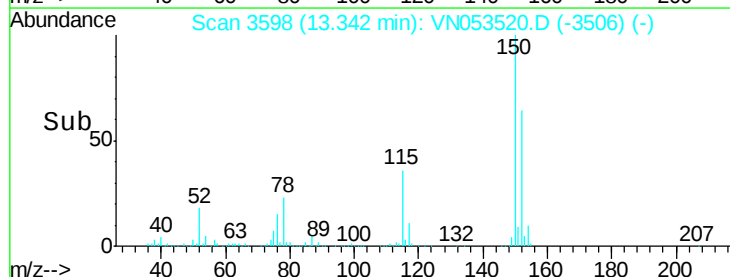
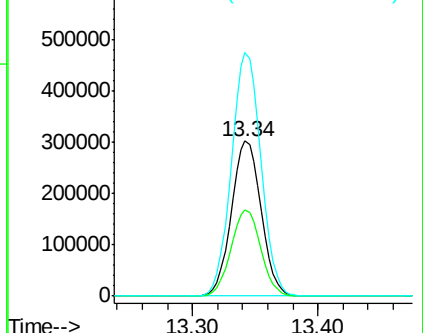
150 156.3 0.0 349.0

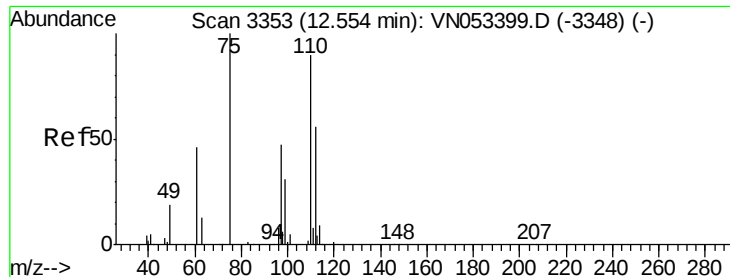


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.970 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053520.D

Acq: 22 Jan 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

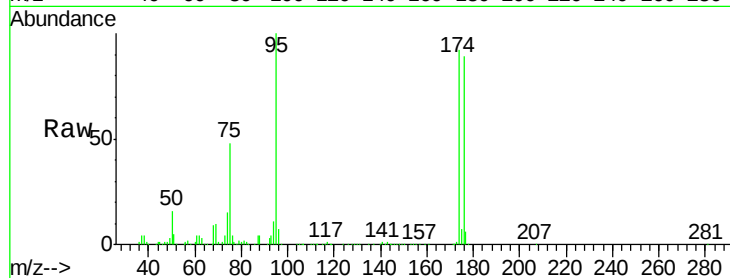
SA-TW530-2327

Tot Ion: 75 Resp: 248167

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

150000

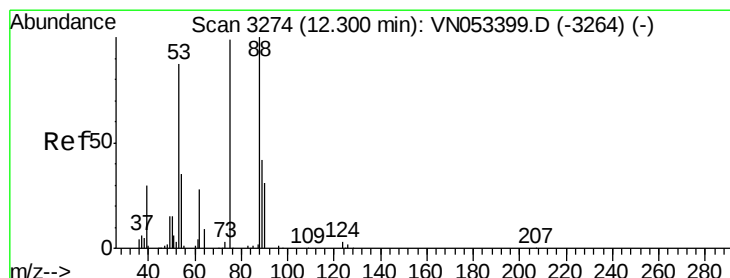
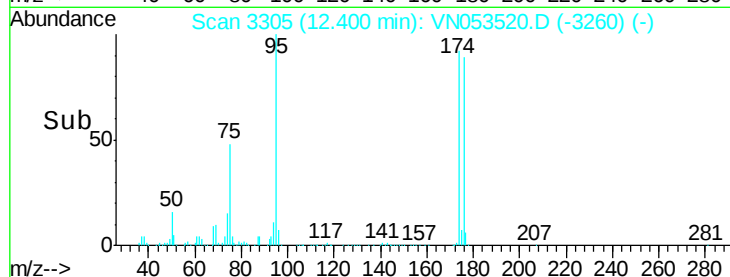
100000

50000

0

12.40

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 93.757 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053520.D

Acq: 22 Jan 2019 15:36

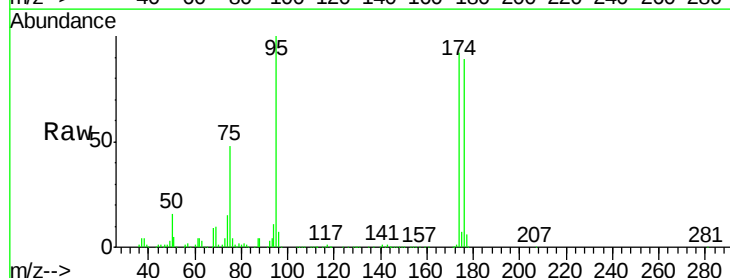
Tgt Ion: 75 Resp: 248167

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

200000

150000

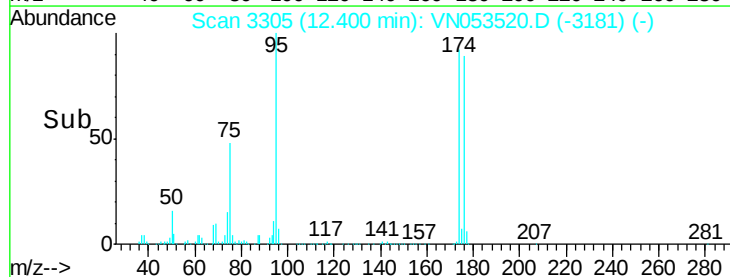
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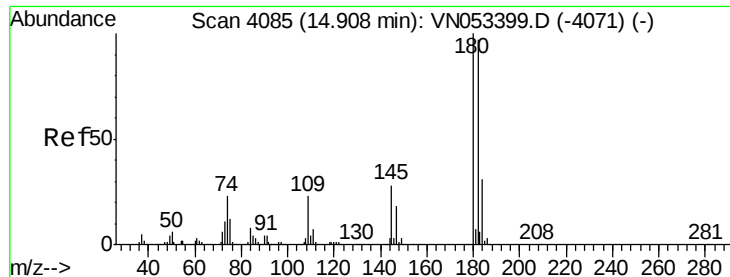
50000

0

12.40

Time--> 12.30 12.40 12.50

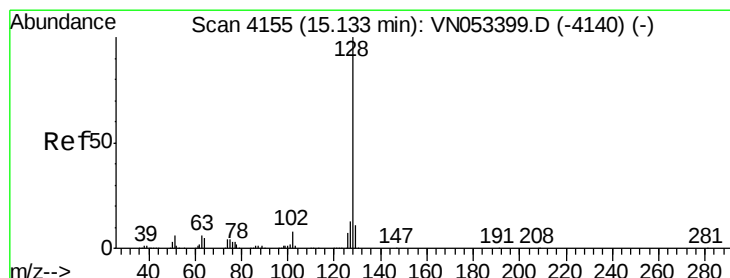
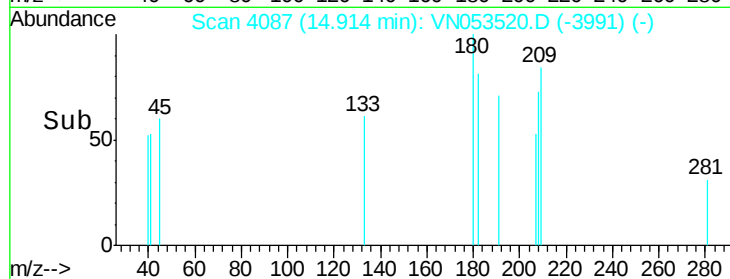
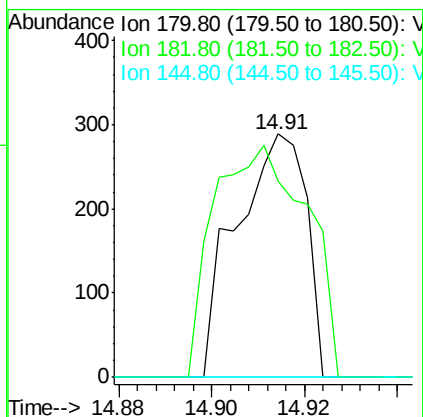
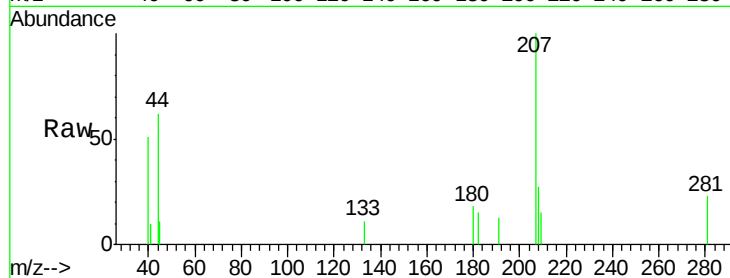




#93
 1,2,4-Trichlorobenzene
 Concen: 2.808 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN053520.D
 Acq: 22 Jan 2019 15:36

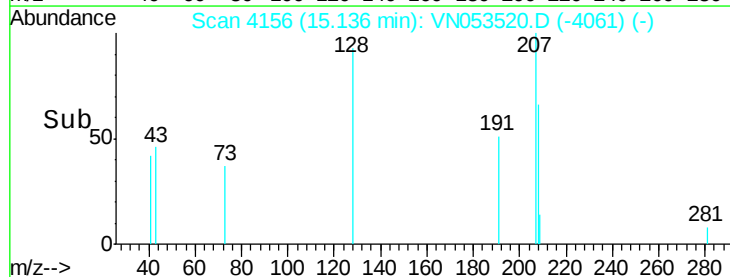
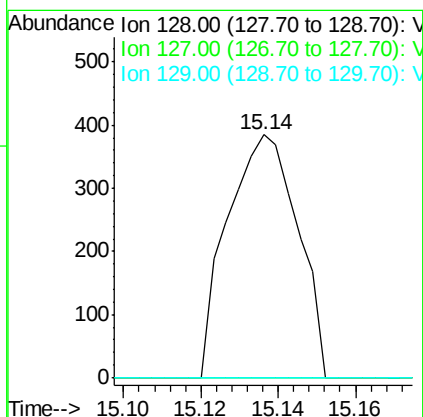
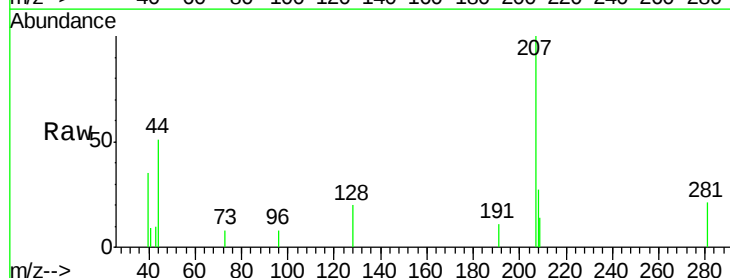
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW530-2327

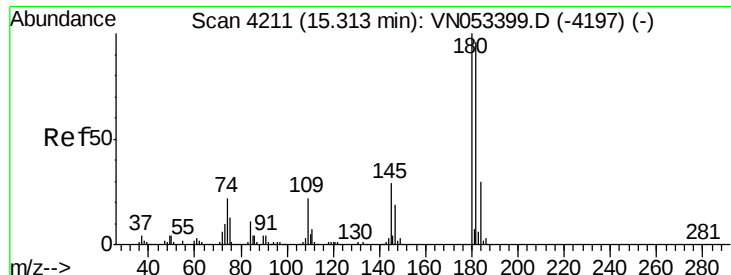
Tot Ion:180 Resp: 303
 Ion Ratio Lower Upper
 180 100
 182 126.4 48.1 144.3
 145 0.0 13.9 41.6#



#95
 Naphthalene
 Concen: 3.976 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN053520.D
 Acq: 22 Jan 2019 15:36

Tgt Ion:128 Resp: 485
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.6 13.0#

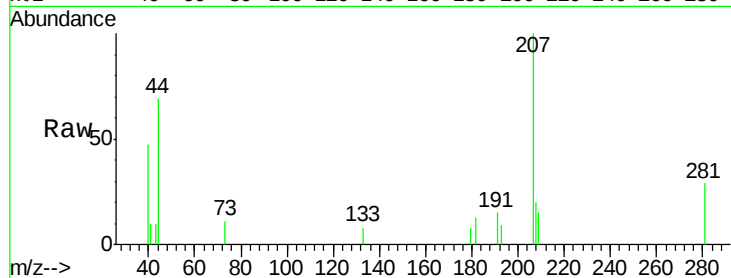




#96
 1,2,3-Trichlorobenzene
 Concen: 3.909 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN053520.D
 Acq: 22 Jan 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW530-2327

Tot Ion	Ratio	Lower	Upper
180	100		
182	417.2	47.9	143.8#
145	0.0	14.7	44.1#



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

