

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050564.D
 Acq On : 13 Aug 2018 13:30
 Operator : MD\SY
 Sample : J4388-03
 Misc : 1.87g/5ml/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-2A

Quant Time: Aug 14 00:58:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	624497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	983358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	891460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	372989	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	409133	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	7.59	113	374863	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
50) Toluene-d8	10.09	98	1397868	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
62) 4-Bromofluorobenzene	12.40	95	412806	40.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.66%	

Target Compounds

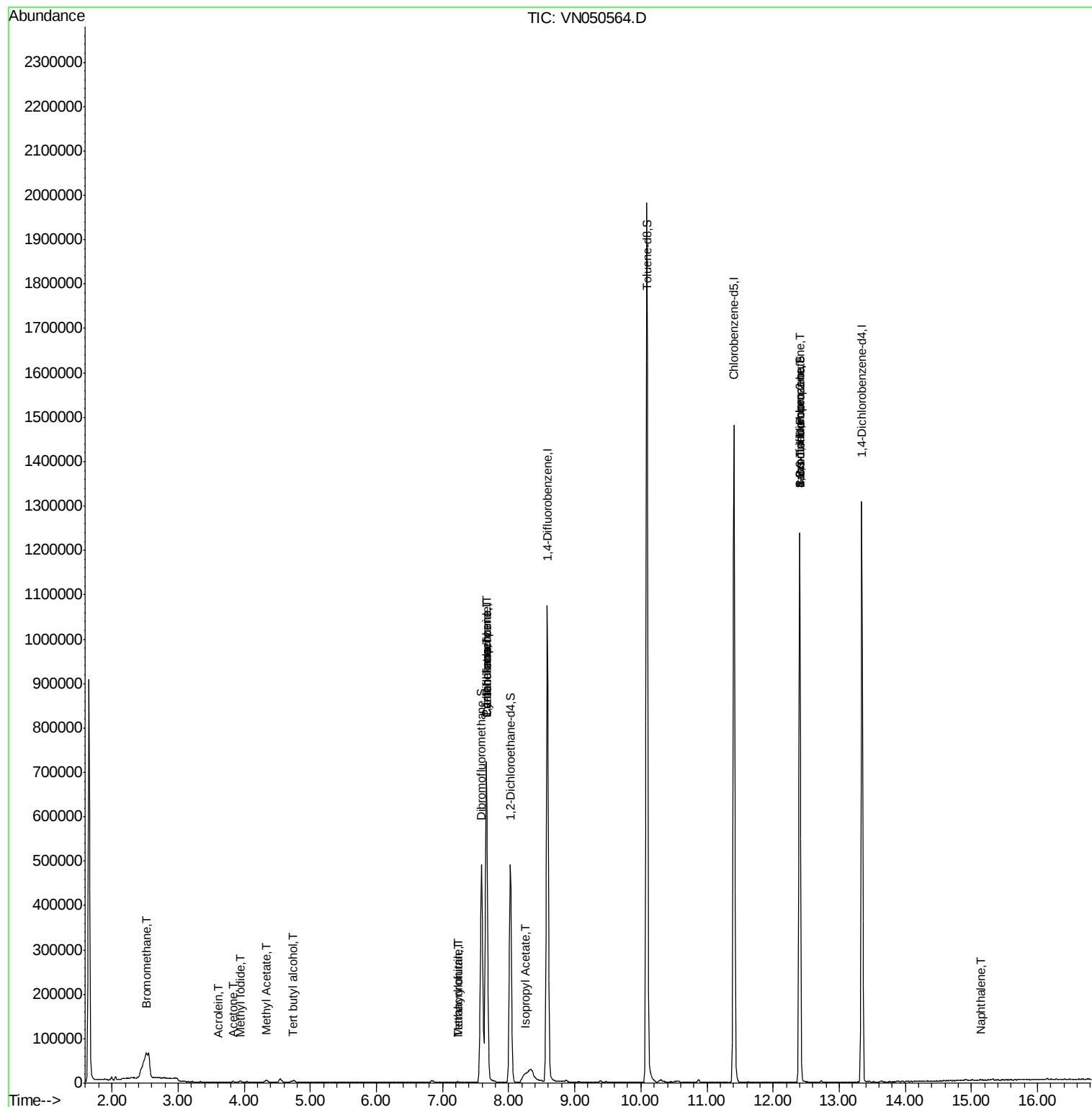
						Qvalue
3) Chloromethane	2.05	50	6262	Below Cal		100
5) Bromomethane	2.51	94	8102	2.03 ug/l		98
10) Methyl Iodide	3.94	142	5505	1.74 ug/l #		95
11) Tert butyl alcohol	4.74	59	4899	7.31 ug/l #		72
13) Acrolein	3.61	56	31	15.06 ug/l #		1
16) Acetone	3.83	43	2338	0.58 ug/l		92
18) Methyl Acetate	4.33	43	11801	1.64 ug/l		99
20) Methylene Chloride	4.54	84	6557	Below Cal		90
29) Tetrahydrofuran	7.22	42	1256	0.57 ug/l #		77
31) Cyclohexane	7.66	56	11443	0.33 ug/l #		1
36) 1,1-Dichloropropene	7.66	75	42374	3.92 ug/l #		48
38) Carbon Tetrachloride	7.66	117	55028	4.88 ug/l #		17
41) Methacrylonitrile	7.24	41	1156	0.28 ug/l #		26
43) Isopropyl Acetate	8.25	43	22073	1.64 ug/l #		61
71) Bromoform	12.40	173	2366	0.40 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	197195	29.21 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	197195	102.62 ug/l #		13
94) Hexachlorobutadiene	15.01	225	390	Below Cal #		29
95) Naphthalene	15.14	128	2081	3.73 ug/l #		79

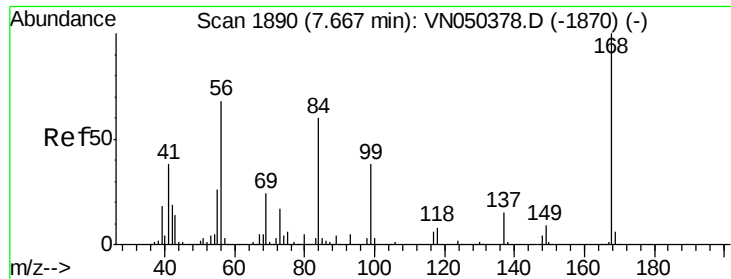
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN050564.D

Acq: 13 Aug 2018 13:30

Instrument :

MSVOA_N

ClientSampled :

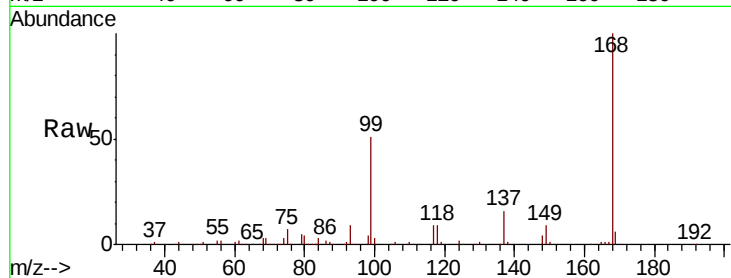
S-2A

Tot Ion:168 Resp: 624497

Ion Ratio Lower Upper

168 100

99 51.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)

7.66

250000

200000

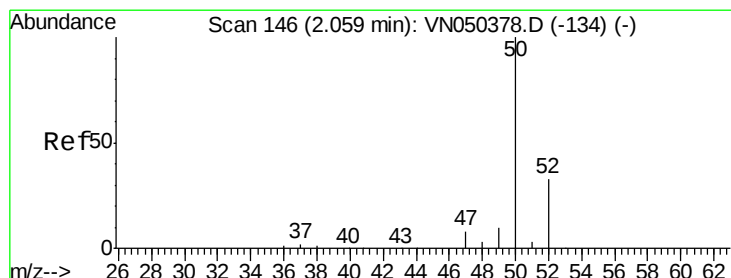
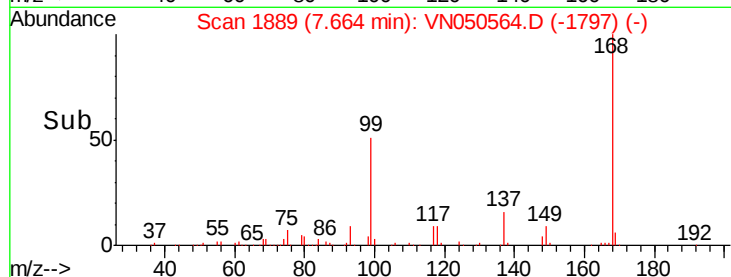
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.05 min Scan# 144

Delta R.T. -0.01 min

Lab File: VN050564.D

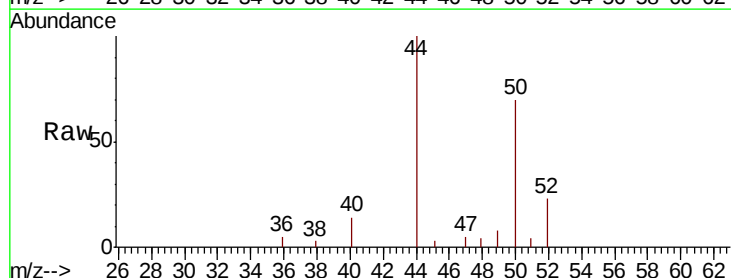
Acq: 13 Aug 2018 13:30

Tgt Ion: 50 Resp: 6262

Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN050378.D (-134) (-)

Ion 51.90 (51.60 to 52.60): VN050378.D (-134) (-)

2.05

5000

4000

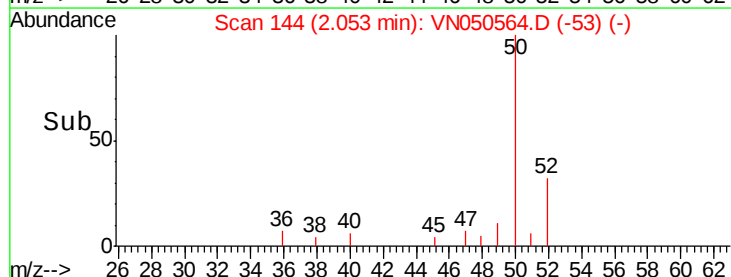
3000

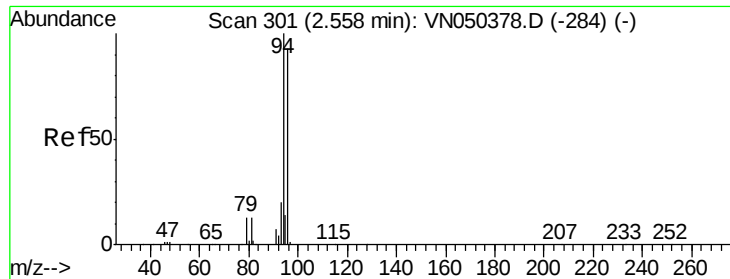
2000

1000

0

Time-->





#5

Bromomethane

Concen: 2.03 ug/l

RT: 2.51 min Scan# 287

Delta R.T. -0.04 min

Lab File: VN050564.D

Acq: 13 Aug 2018 13:30

Instrument :

MSVOA_N

ClientSampled :

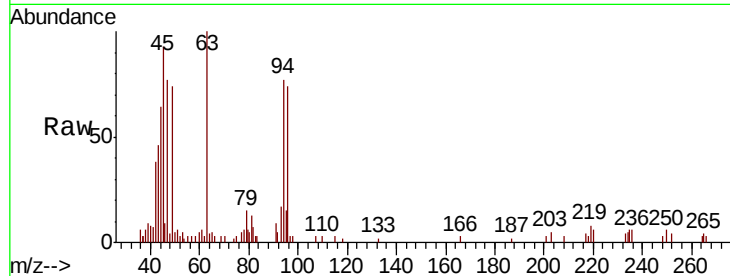
S-2A

Tot Ion: 94 Resp: 8102

Ion Ratio Lower Upper

94 100

96 91.8 74.6 112.0

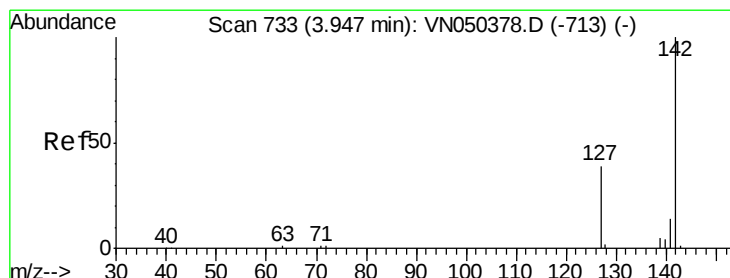
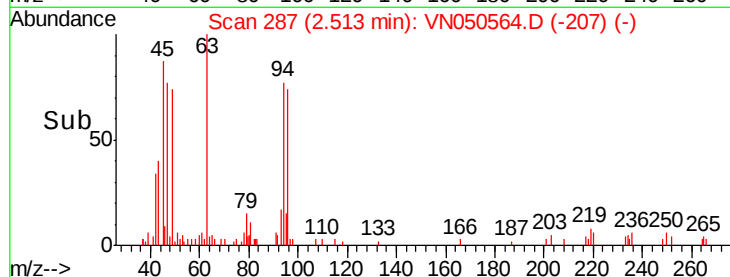


Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050378.D (-284) (-)

2.51

Time-->



#10

Methyl Iodide

Concen: 1.74 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.00 min

Lab File: VN050564.D

Acq: 13 Aug 2018 13:30

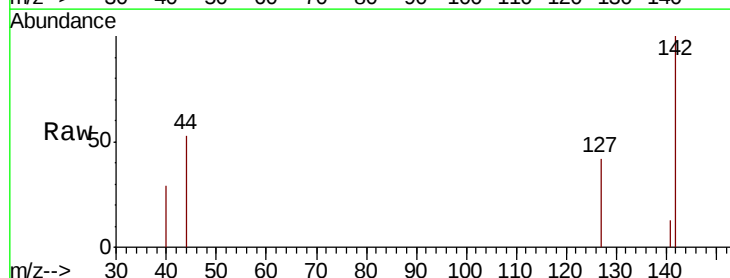
Tgt Ion: 142 Resp: 5505

Ion Ratio Lower Upper

142 100

127 42.2 33.4 50.2

141 7.4 11.6 17.4#



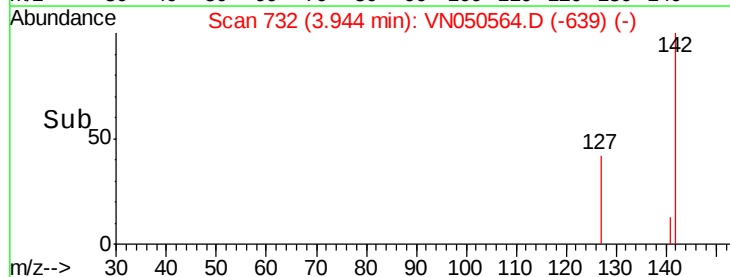
Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)

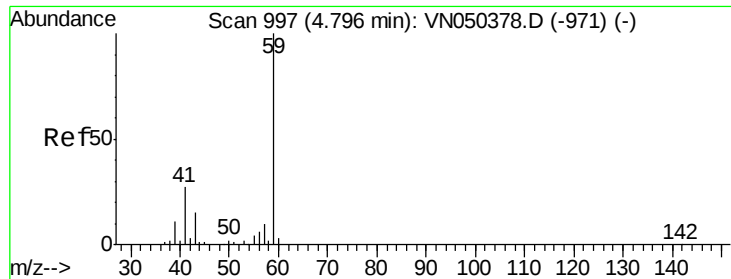
Ion 126.80 (126.50 to 127.50): VN050378.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050378.D (-713) (-)

3.94

Time-->

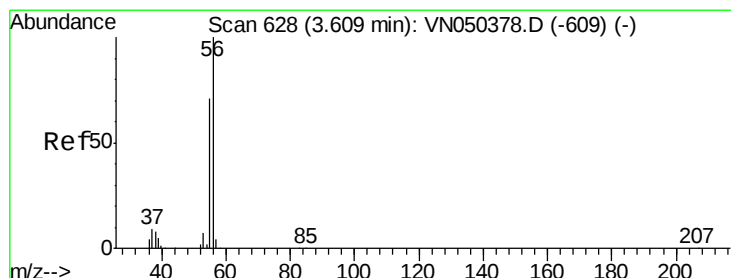
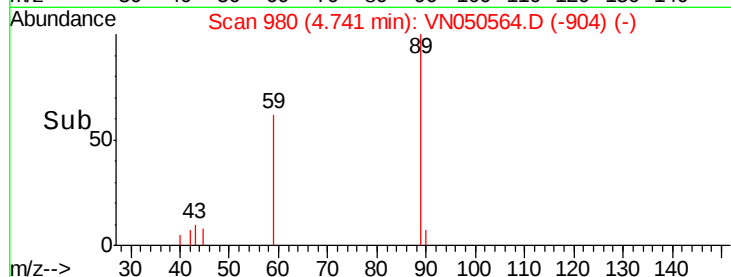
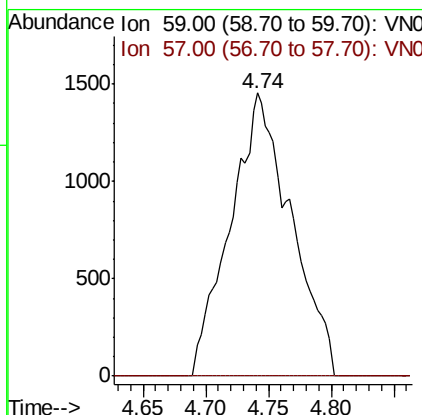
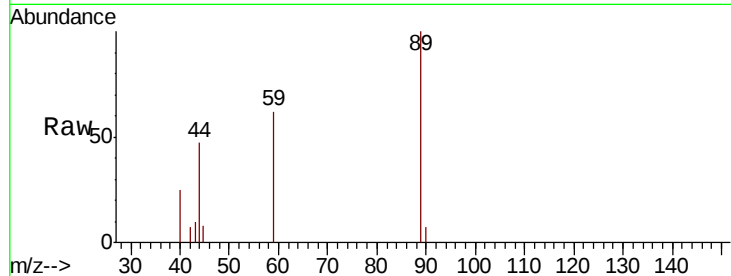




#11
Tert butyl alcohol
Concen: 7.31 ug/l
RT: 4.74 min Scan# 980
Delta R.T. -0.05 min
Lab File: VN050564.D
Acq: 13 Aug 2018 13:30

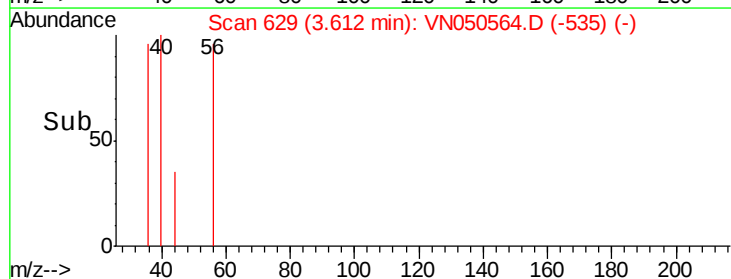
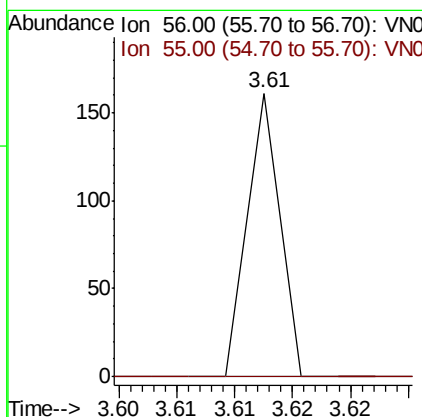
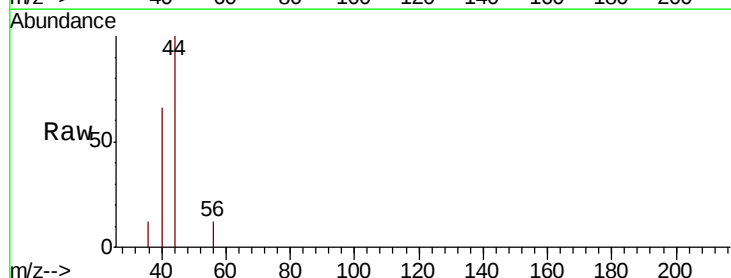
Instrument :
MSVOA_N
ClientSampled :
S-2A

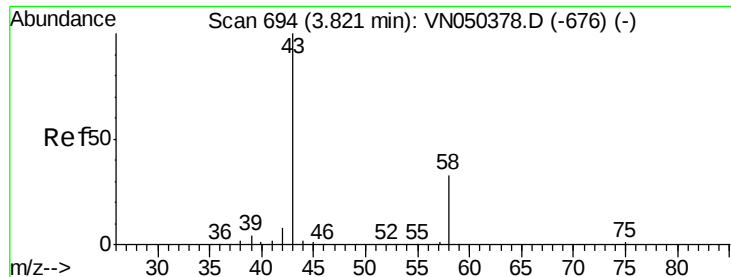
Tot Ion: 59 Resp: 4899
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 15.06 ug/l
RT: 3.61 min Scan# 629
Delta R.T. 0.00 min
Lab File: VN050564.D
Acq: 13 Aug 2018 13:30

Tgt Ion: 56 Resp: 31
Ion Ratio Lower Upper
56 100
55 203.2 55.8 83.6#





#16

Acetone

Concen: 0.58 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050564.D

Acq: 13 Aug 2018 13:30

Instrument :

MSVOA_N

ClientSampled :

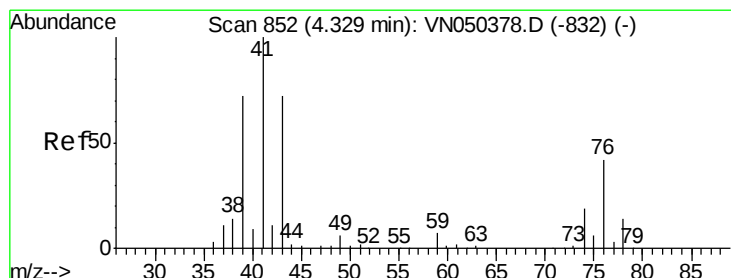
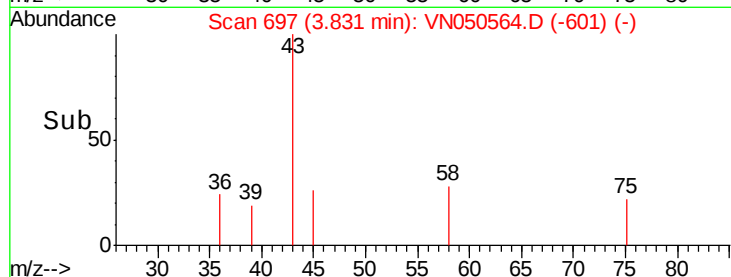
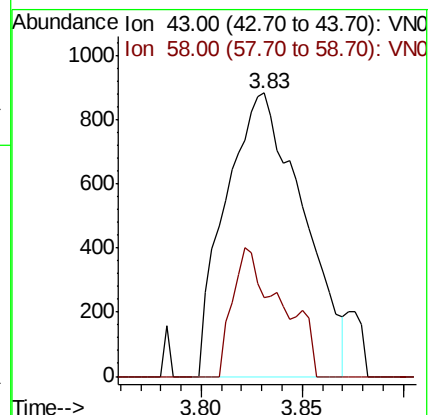
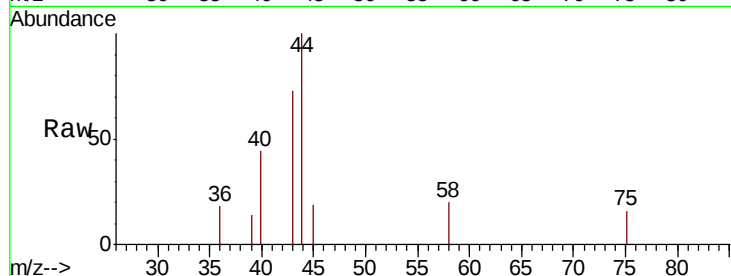
S-2A

Tot Ion: 43 Resp: 2338

Ion Ratio Lower Upper

43 100

58 27.7 25.8 38.8



#18

Methyl Acetate

Concen: 1.64 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050564.D

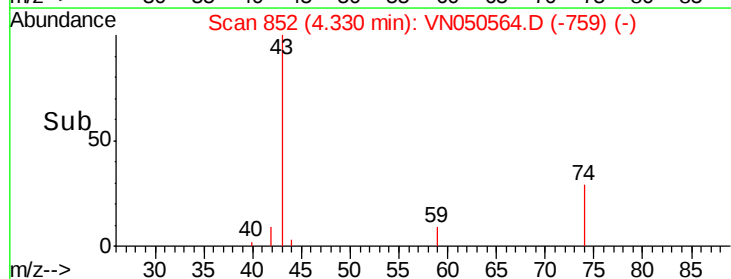
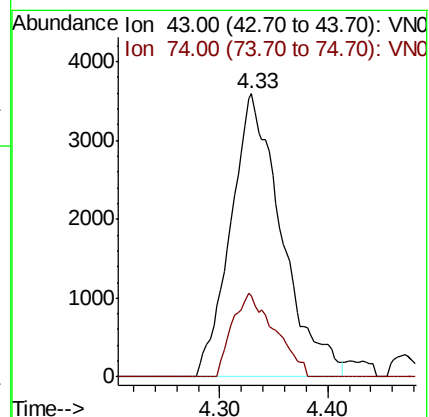
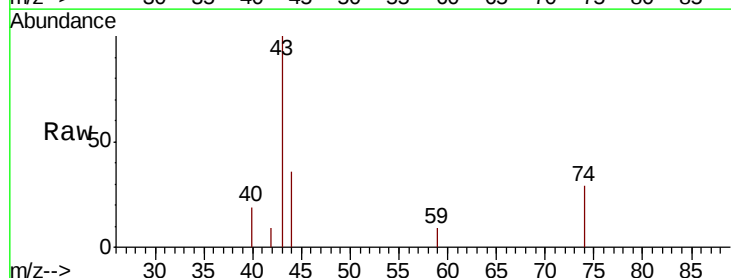
Acq: 13 Aug 2018 13:30

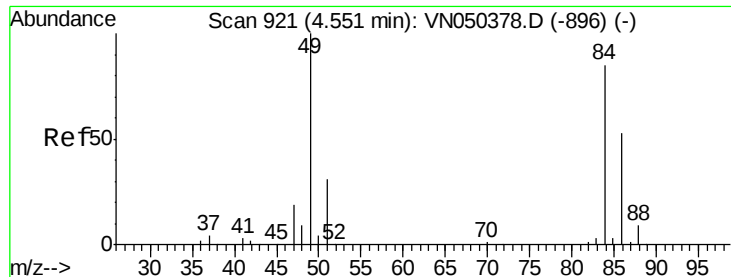
Tgt Ion: 43 Resp: 11801

Ion Ratio Lower Upper

43 100

74 24.6 19.2 28.8

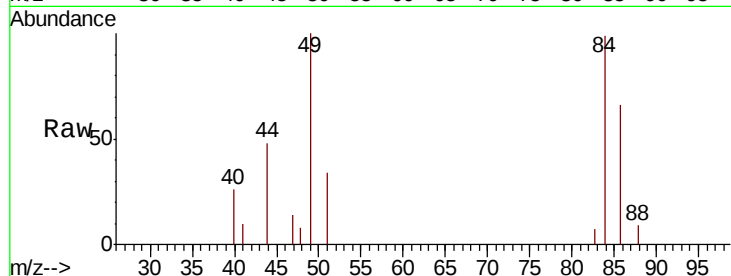




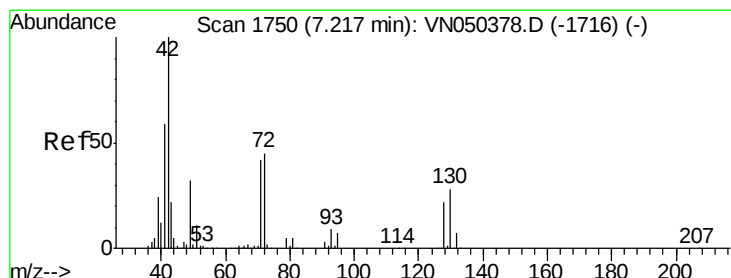
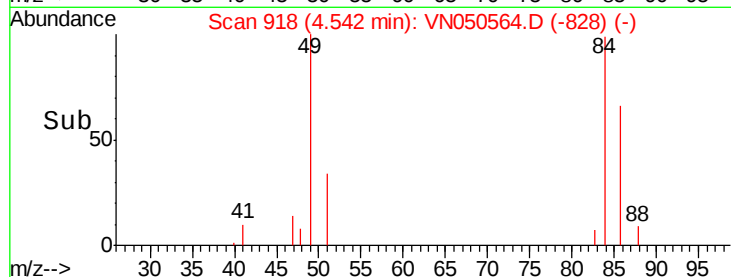
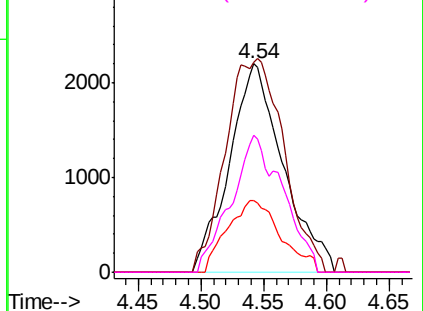
#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN050564.D
Acq: 13 Aug 2018 13:30

Instrument :
MSVOA_N
ClientSampleId :
S-2A

Tot Ion:	84	Resp:	6557
Ion	Ratio	Lower	Upper
84	100		
49	100.6	94.8	142.2
51	34.3	28.3	42.5
86	65.9	51.0	76.6

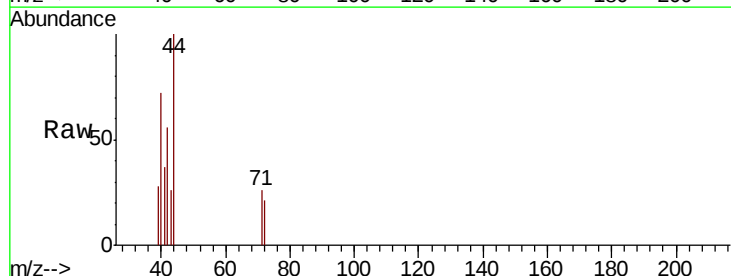


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

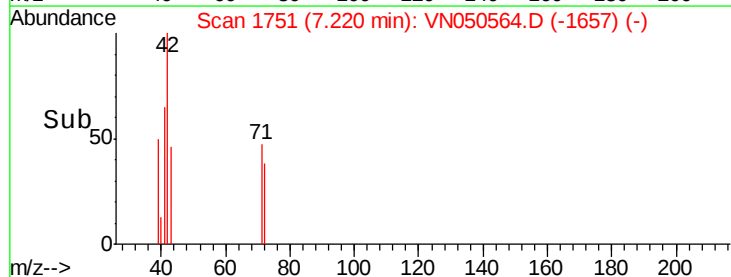
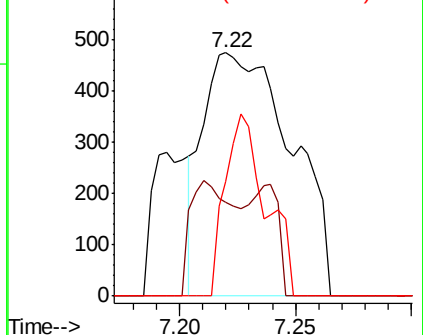


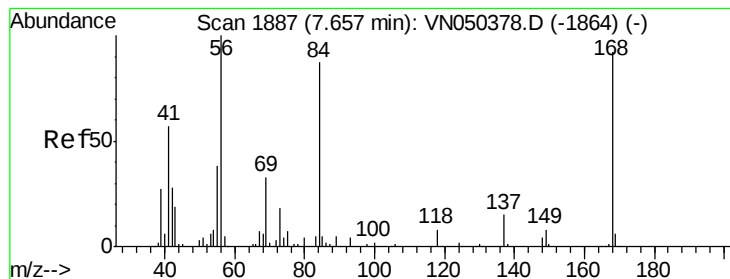
#29
Tetrahydrofuran
Concen: 0.57 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050564.D
Acq: 13 Aug 2018 13:30

Tgt Ion:	42	Resp:	1256
Ion	Ratio	Lower	Upper
42	100		
72	23.5	35.9	53.9#
71	34.3	33.7	50.5



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO





#31

Cvclohexane

Concen: 0.33 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

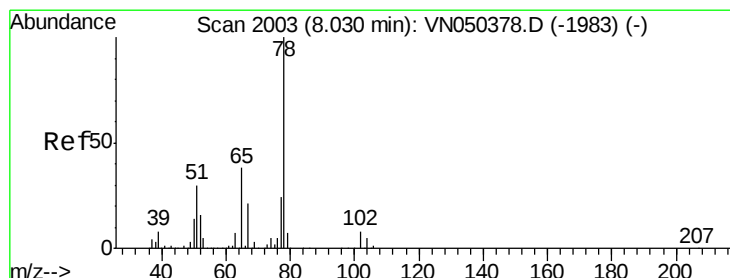
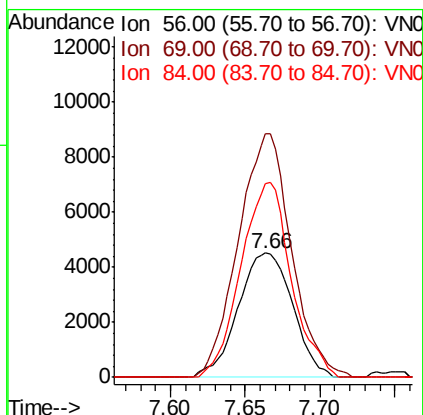
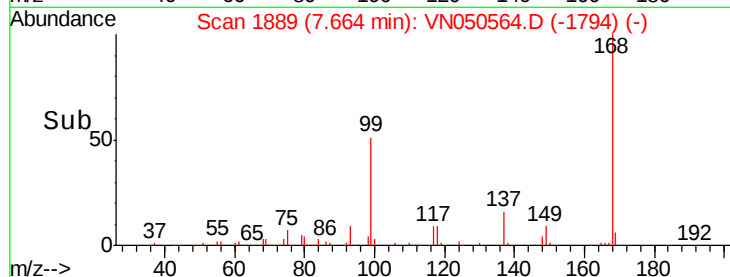
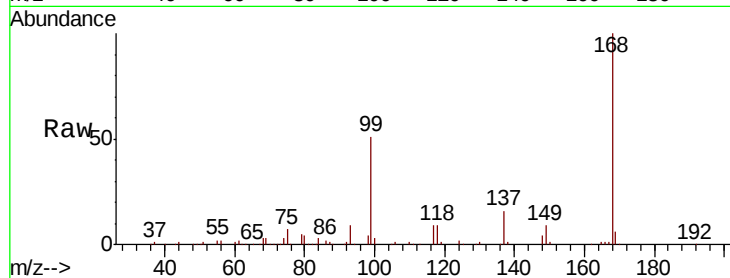
Lab File: VN050564.D

Acq: 13 Aug 2018 13:30

Instrument :
MSVOA_N
ClientSampled :
S-2A

Tot Ion: 56 Resp: 11443

Ion	Ratio	Lower	Upper
56	100		
69	195.8	26.2	39.4#
84	156.0	67.4	101.0#



#33

1,2-Dichloroethane-d4

Concen: 49.03 ug/l

RT: 8.03 min Scan# 2002

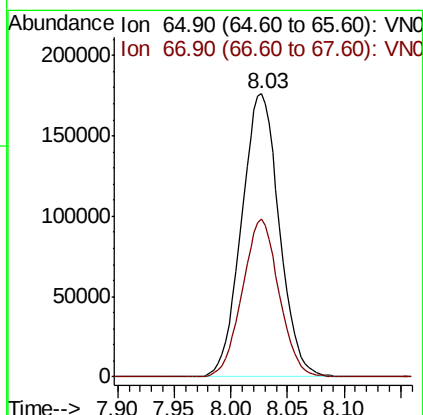
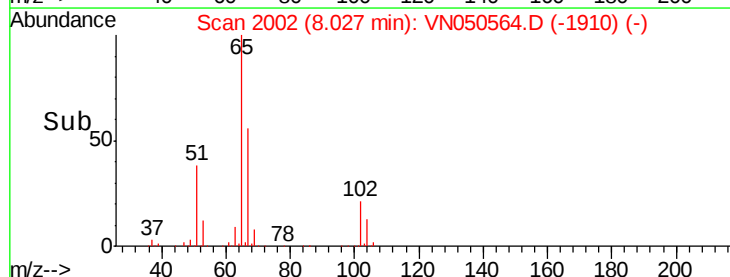
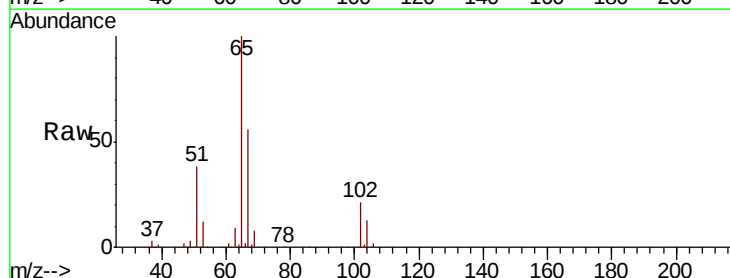
Delta R.T. -0.00 min

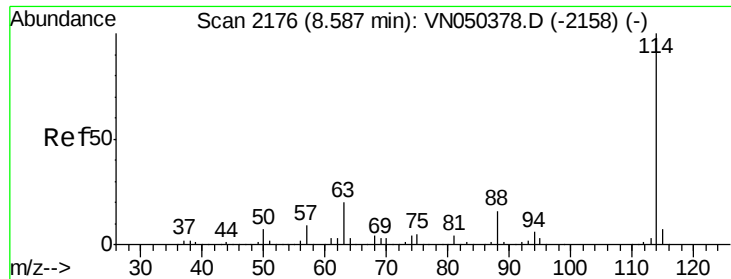
Lab File: VN050564.D

Acq: 13 Aug 2018 13:30

Tgt Ion: 65 Resp: 409133

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	108.4

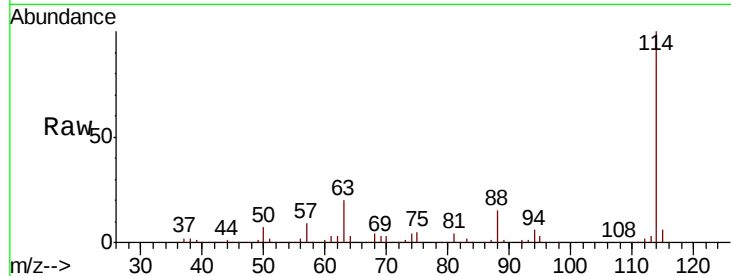




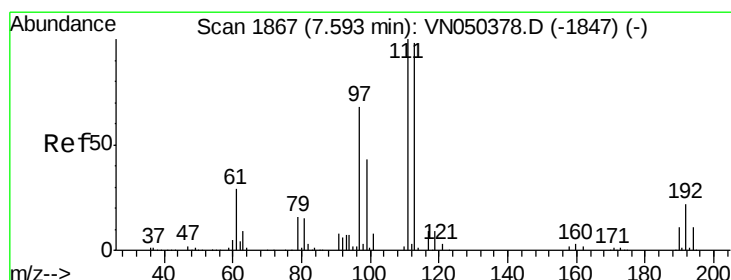
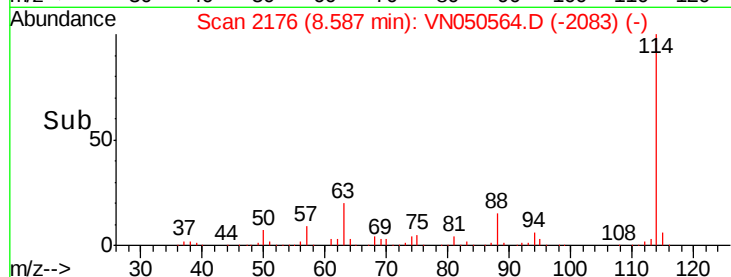
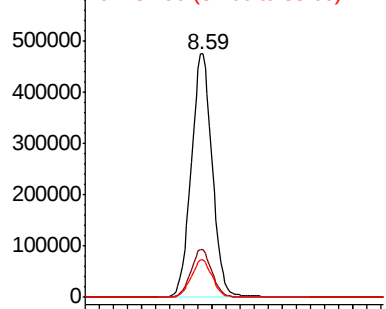
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050564.D
 Acq: 13 Aug 2018 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 S-2A

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	15.4	0.0	31.2

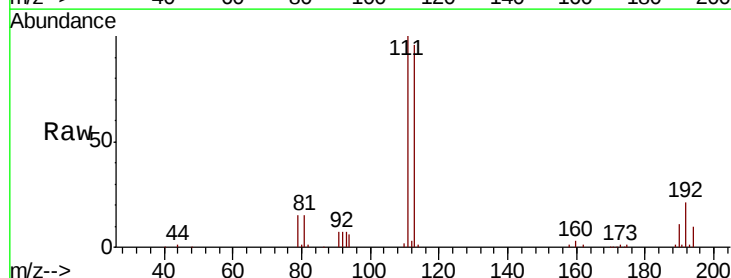


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

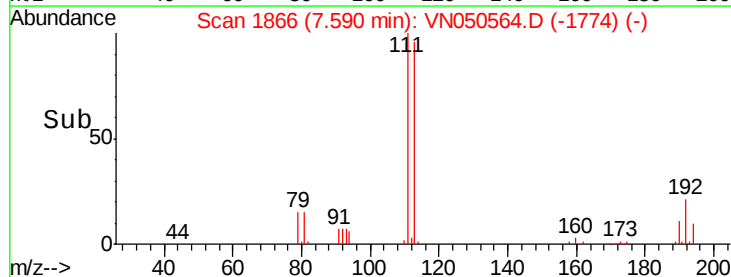
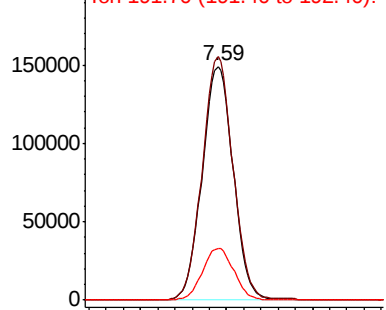


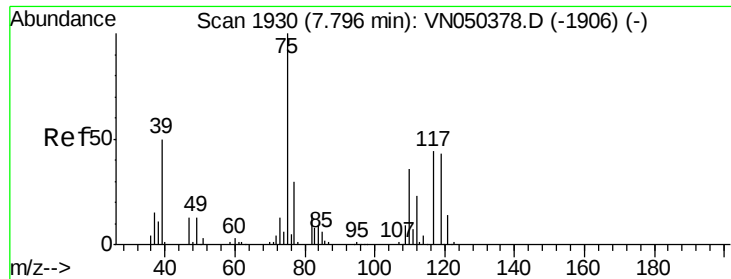
#35
 Dibromofluoromethane
 Concen: 47.51 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050564.D
 Acq: 13 Aug 2018 13:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.7	121.1
192	22.3	17.8	26.6



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

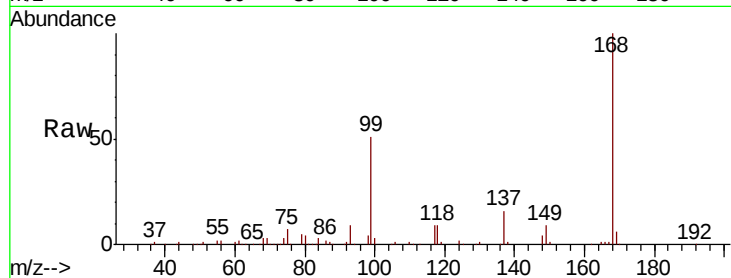




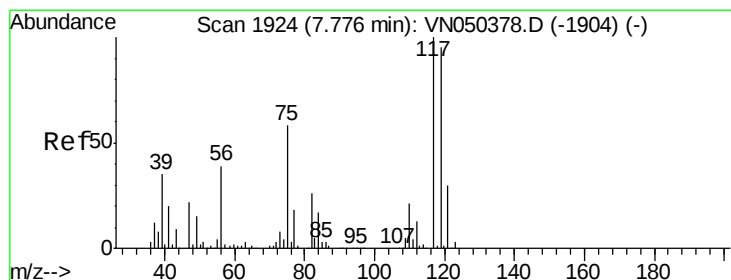
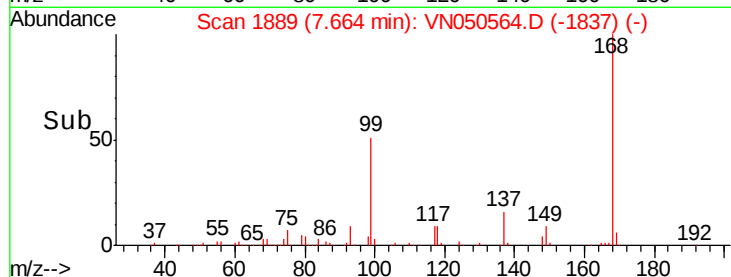
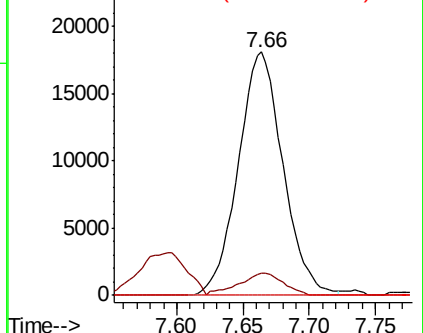
#36
 1,1-Dichloropropene
 Concen: 3.92 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN050564.D
 Acq: 13 Aug 2018 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 S-2A

Tot Ion	75	Resp	42374
Ion Ratio	100	Lower	Upper
75	100		
110	8.7	18.4	55.2#
77	0.0	25.3	37.9#

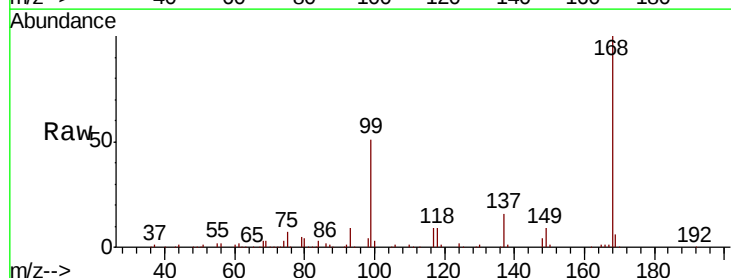


Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-1906) (-)
 Ion 109.90 (109.60 to 110.60): VN050378.D (-1906) (-)
 Ion 76.90 (76.60 to 77.60): VN050378.D (-1906) (-)

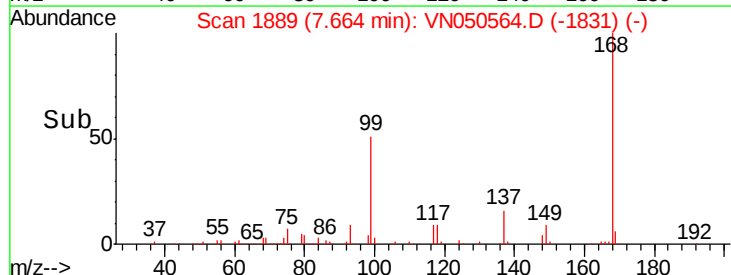
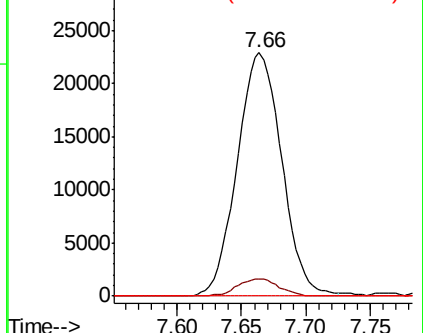


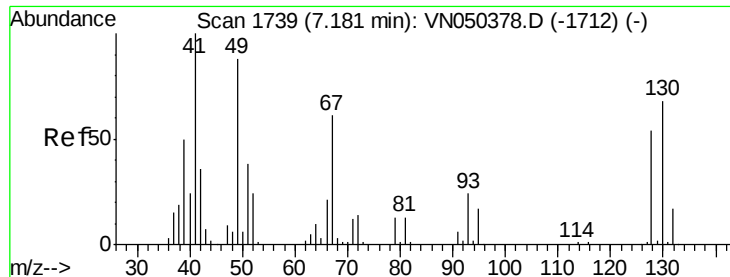
#38
 Carbon Tetrachloride
 Concen: 4.88 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.11 min
 Lab File: VN050564.D
 Acq: 13 Aug 2018 13:30

Tgt Ion	117	Resp	55028
Ion Ratio	100	Lower	Upper
117	100		
119	6.9	77.4	116.0#
121	0.0	23.9	35.9#



Abundance Ion 116.80 (116.50 to 117.50): VN050378.D (-1904) (-)
 Ion 118.80 (118.50 to 119.50): VN050378.D (-1904) (-)
 Ion 120.80 (120.50 to 121.50): VN050378.D (-1904) (-)

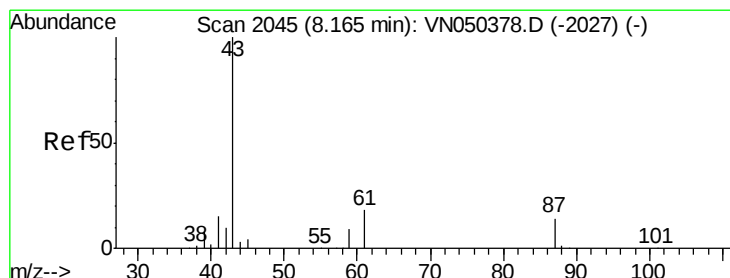
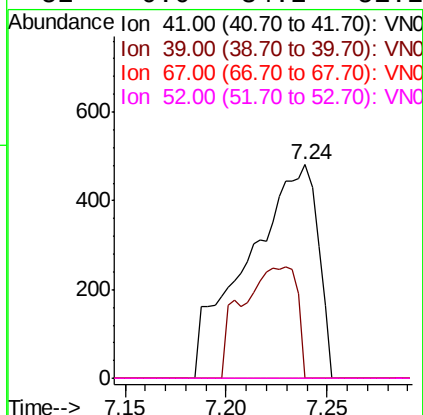
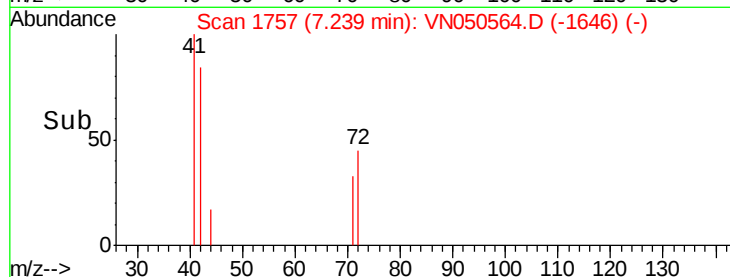
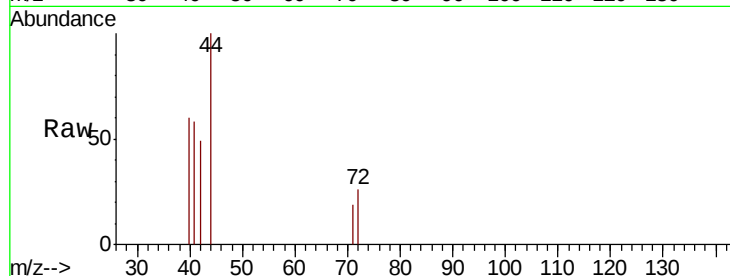




#41
Methacrylonitrile
Concen: 0.28 ug/l
RT: 7.24 min Scan# 1757
Delta R.T. 0.06 min
Lab File: VN050564.D
Acq: 13 Aug 2018 13:30

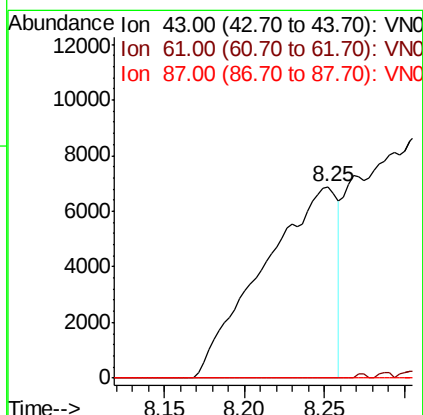
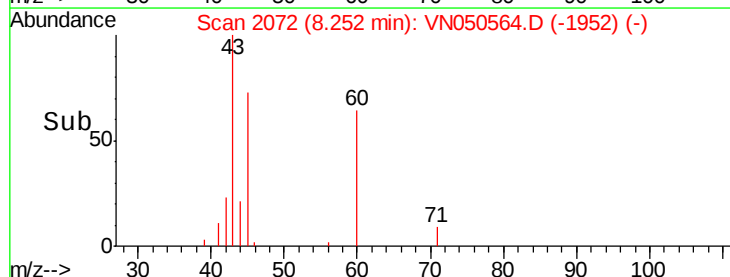
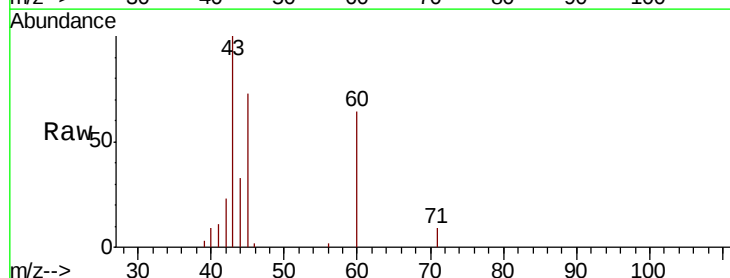
Instrument :
MSVOA_N
ClientSampled :
S-2A

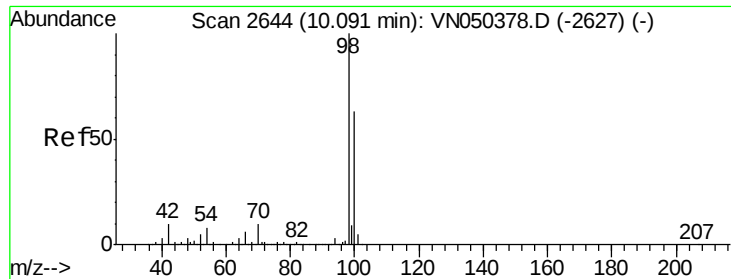
Tot Ion: 41 Resp: 1156
Ion Ratio Lower Upper
41 100
39 41.9 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 1.64 ug/l
RT: 8.25 min Scan# 2072
Delta R.T. 0.09 min
Lab File: VN050564.D
Acq: 13 Aug 2018 13:30

Tgt Ion: 43 Resp: 22073
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.6#
87 0.0 10.3 15.5#





#50

Toluene-d8

Concen: 47.12 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050564.D

Acq: 13 Aug 2018 13:30

Instrument :

MSVOA_N

ClientSampled :

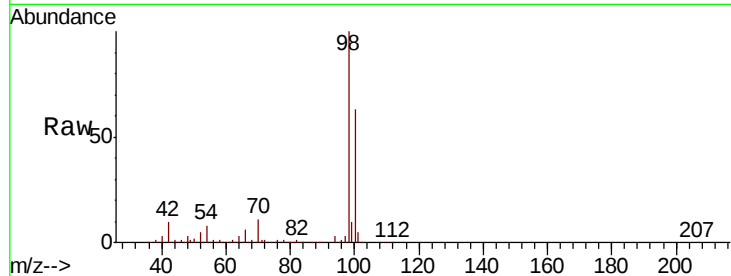
S-2A

Tot Ion: 98 Resp: 1397868

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050378.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050378.D (-2627) (-)

10.09

800000

600000

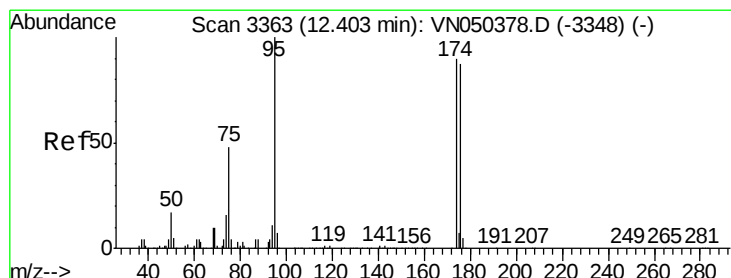
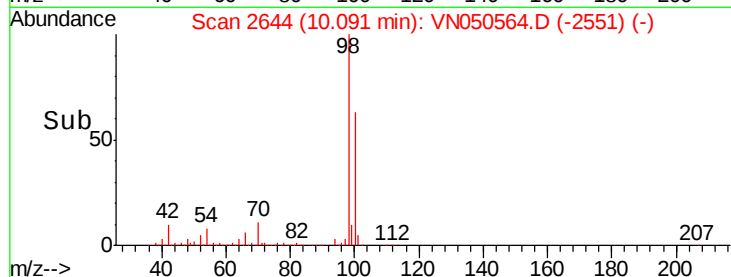
400000

200000

0

10.00 10.10 10.20 10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 40.83 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050564.D

Acq: 13 Aug 2018 13:30

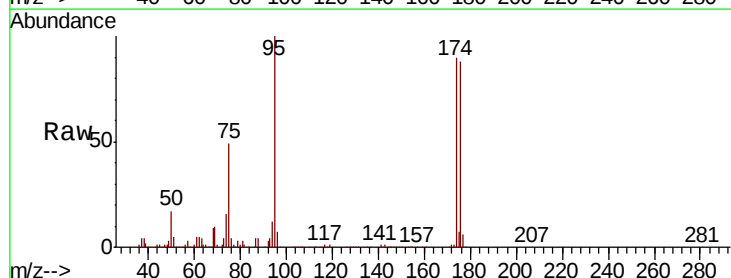
Tgt Ion: 95 Resp: 412806

Ion Ratio Lower Upper

95 100

174 90.6 0.0 178.2

176 87.4 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN050378.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050378.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050378.D (-3348) (-)

12.40

300000

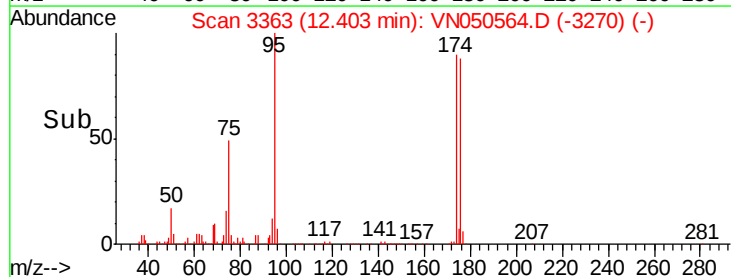
200000

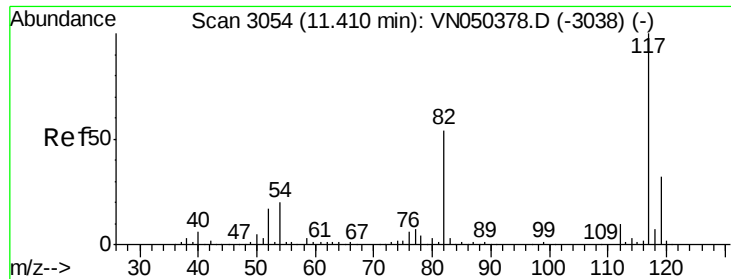
100000

0

12.30 12.40 12.50

Time-->

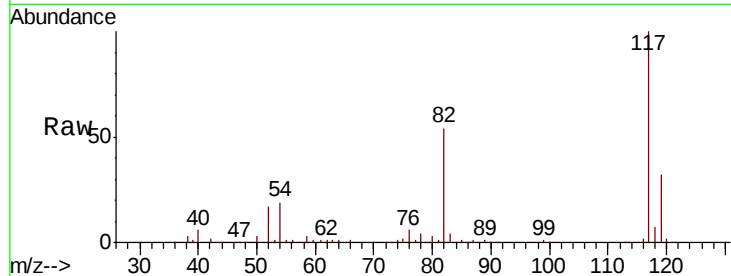




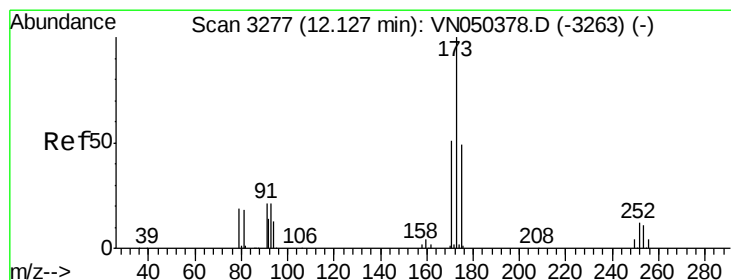
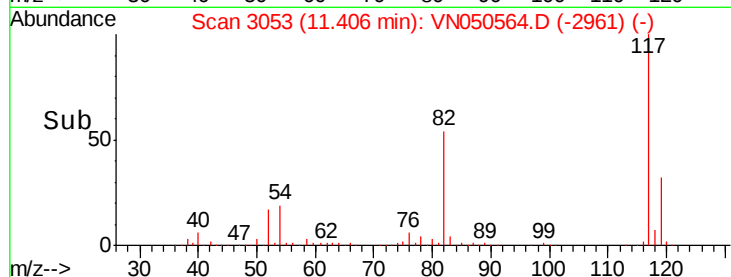
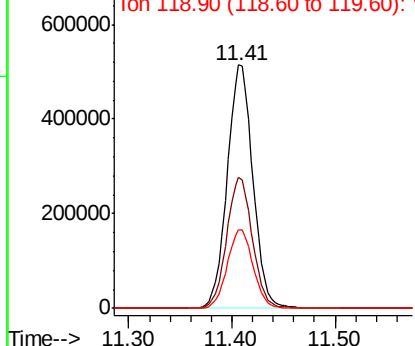
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050564.D
Acq: 13 Aug 2018 13:30

Instrument :
MSVOA_N
ClientSampleId :
S-2A

Tot Ion:117 Resp: 891460
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 32.5 26.1 39.1

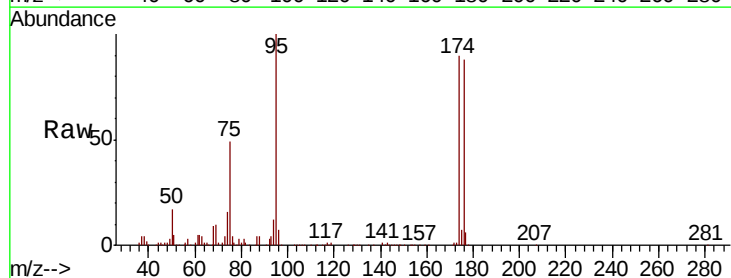


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

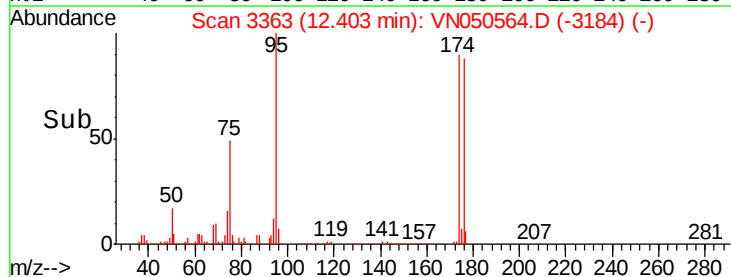
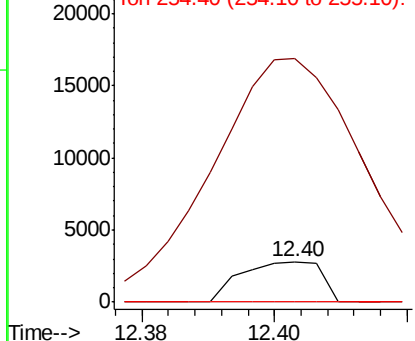


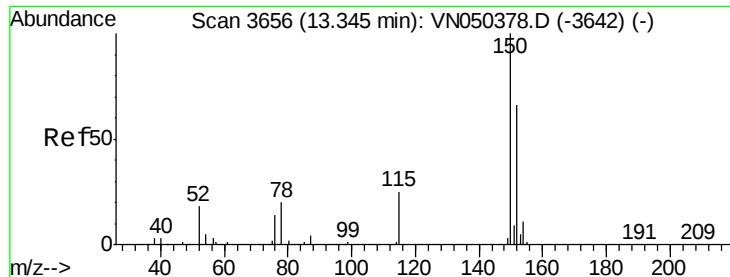
#71
Bromoform
Concen: 0.40 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050564.D
Acq: 13 Aug 2018 13:30

Tgt Ion:173 Resp: 2366
Ion Ratio Lower Upper
173 100
175 1018.3 24.1 72.2#
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: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN050564.D

Acq: 13 Aug 2018 13:30

Instrument :

MSVOA_N

ClientSampled :

S-2A

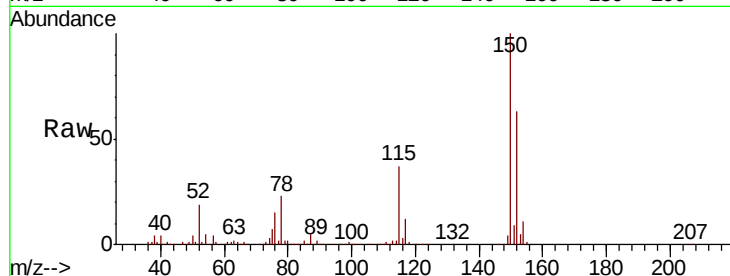
Tot Ion:152 Resp: 372989

Ion Ratio Lower Upper

152 100

115 57.3 27.8 83.3

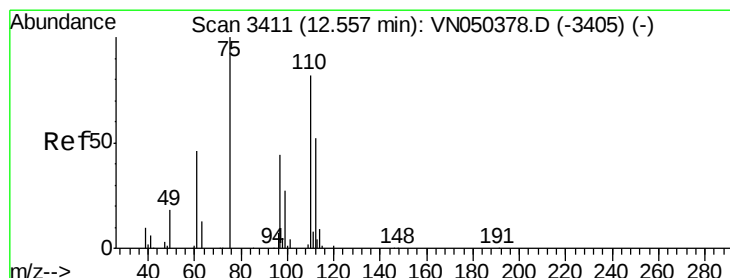
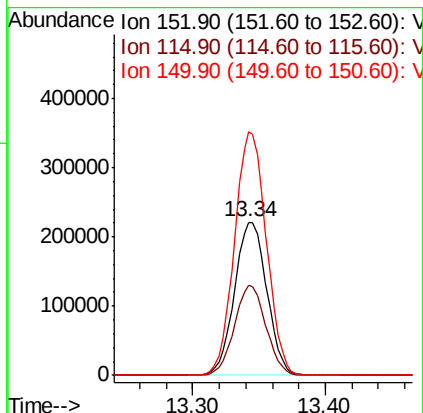
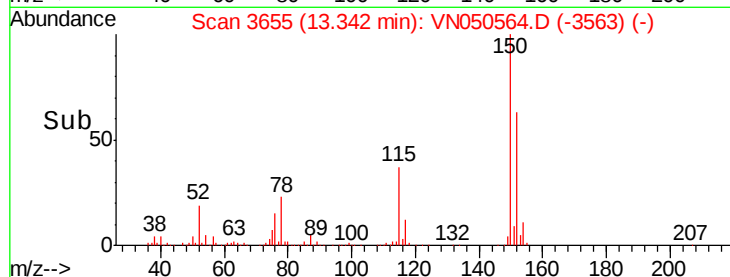
150 156.8 0.0 348.6



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: 29.21 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050564.D

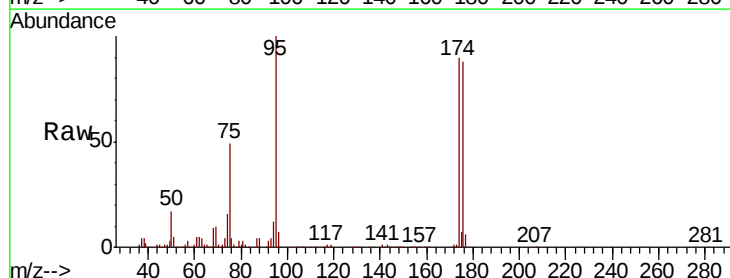
Acq: 13 Aug 2018 13:30

Tgt Ion: 75 Resp: 197195

Ion Ratio Lower Upper

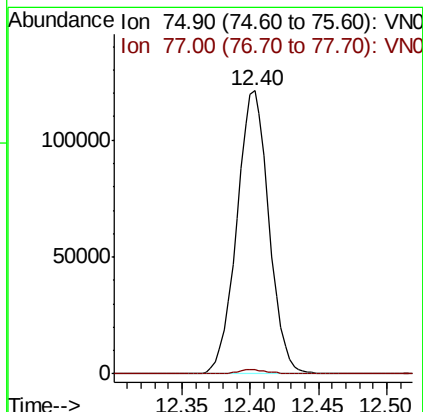
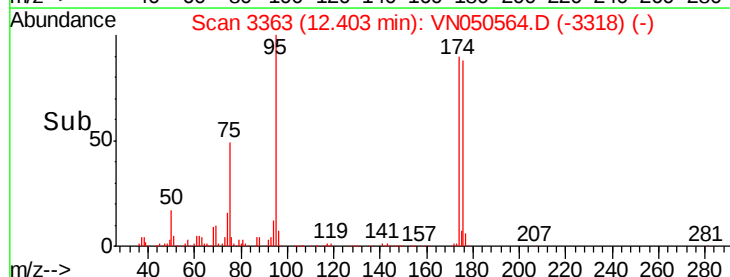
75 100

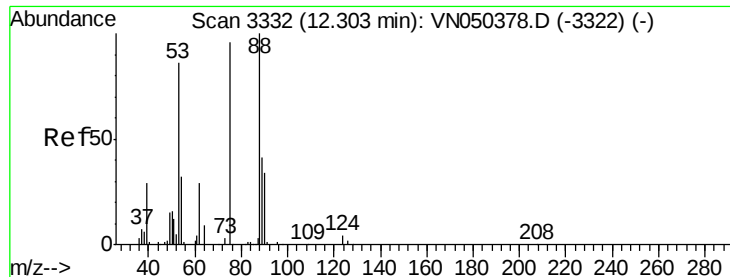
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 102.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050564.D

Acq: 13 Aug 2018 13:30

Instrument :

MSVOA_N

ClientSampleId :

S-2A

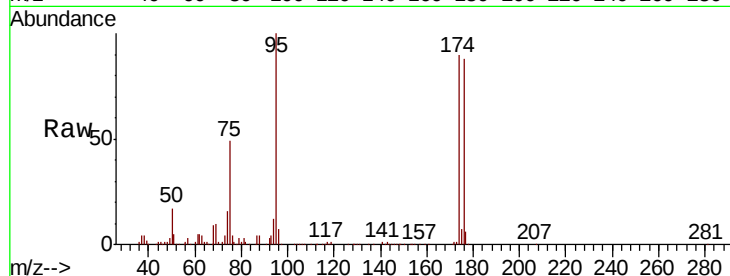
Tot Ion: 75 Resp: 197195

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

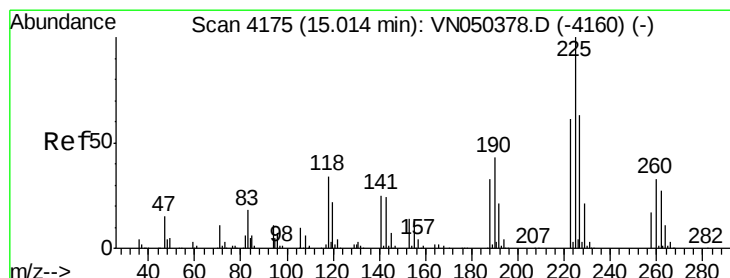
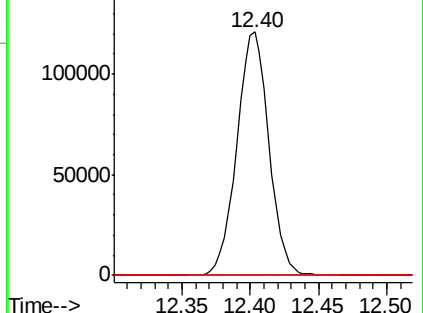
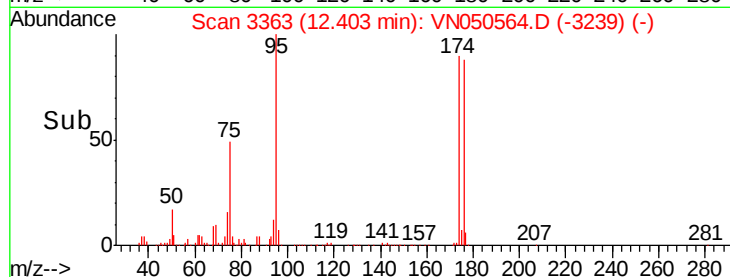
89 0.0 36.0 54.0#



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



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4174

Delta R.T. -0.00 min

Lab File: VN050564.D

Acq: 13 Aug 2018 13:30

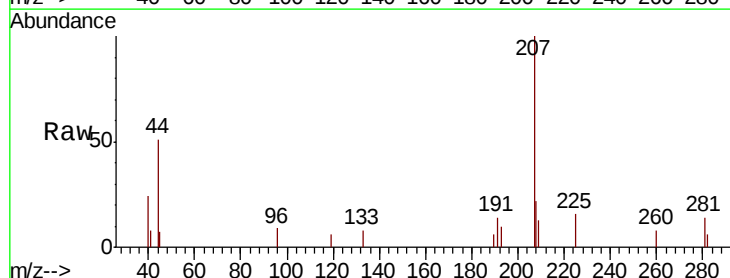
Tgt Ion: 225 Resp: 390

Ion Ratio Lower Upper

225 100

223 17.2 31.4 94.2#

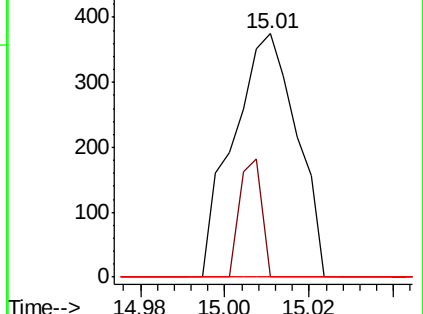
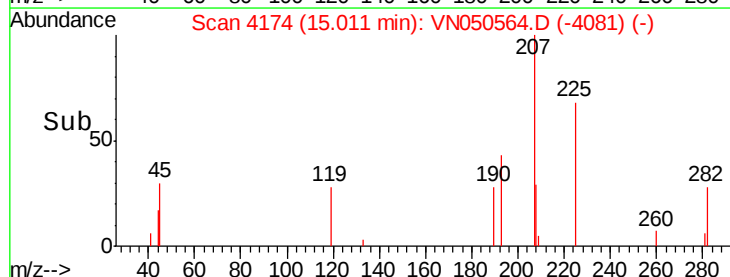
227 0.0 32.1 96.5#

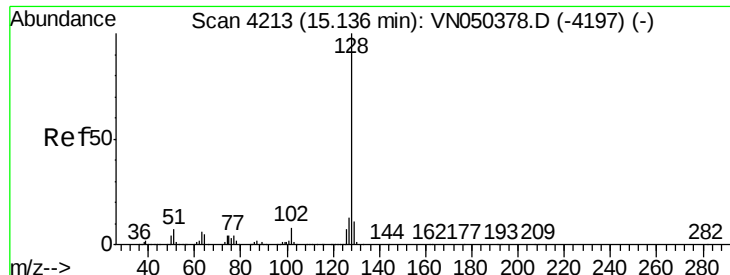


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.73 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050564.D

Acq: 13 Aug 2018 13:30

Instrument :

MSVOA_N

ClientSampleId :

S-2A

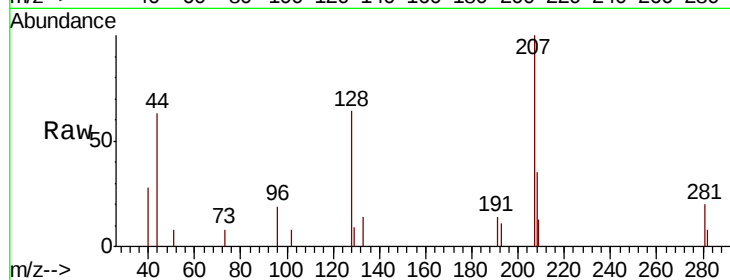
Tot Ion:128 Resp: 2081

Ion Ratio Lower Upper

128 100

127 4.7 10.4 15.6#

129 3.3 8.8 13.2#



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

