

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056146.D
 Acq On : 8 Jun 2019 12:02
 Operator : JC/SP
 Sample : K3225-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 10 01:24:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

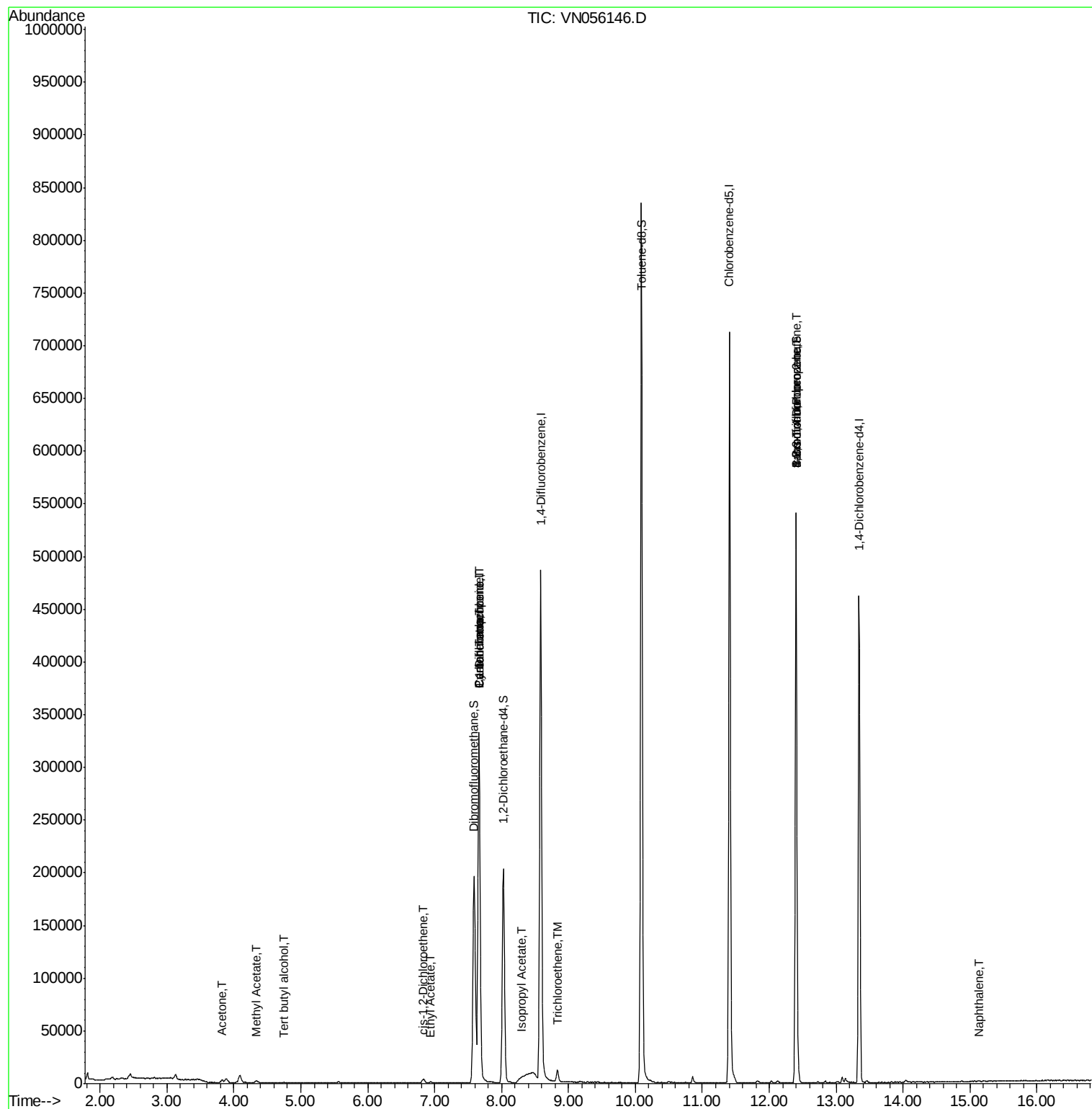
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	312064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	481274	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	452910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145260	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	171238	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
35) Dibromofluoromethane	7.59	113	151251	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	10.09	98	622197	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
62) 4-Bromofluorobenzene	12.40	95	194511	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.75	59	177	0.328	ug/l #	74
16) Acetone	3.82	43	4654	3.140	ug/l	93
18) Methyl Acetate	4.34	43	3844	0.751	ug/l #	67
27) cis-1,2-Dichloroethene	6.83	96	2323	0.704	ug/l	91
31) Cyclohexane	7.66	56	4483	0.912	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18259	4.412	ug/l #	48
37) Ethyl Acetate	6.94	43	1162	0.316	ug/l #	67
38) Carbon Tetrachloride	7.67	117	25182	6.600	ug/l #	15
43) Isopropyl Acetate	8.29	43	4950	0.830	ug/l #	53
44) Trichloroethene	8.84	130	4902	1.357	ug/l	100
71) Bromoform	12.40	173	1328	3.222	ug/l #	1
73) Isopropylbenzene	12.40	105	203	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	86844	32.491	ug/l #	100
79) 2-Chlorotoluene	12.40	91	416	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	86844	108.202	ug/l #	15
95) Naphthalene	15.13	128	388	3.903	ug/l #	69

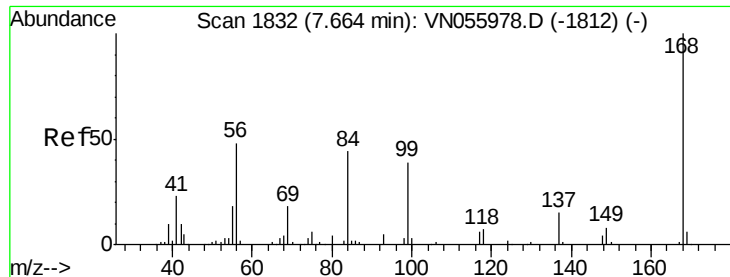
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056146.D

Acq: 8 Jun 2019 12:02

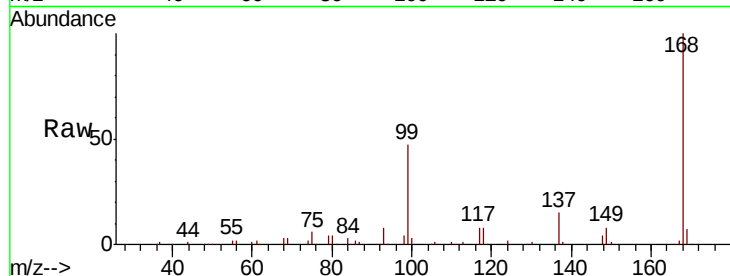
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 312064

Ion Ratio Lower Upper

168 100

99 47.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

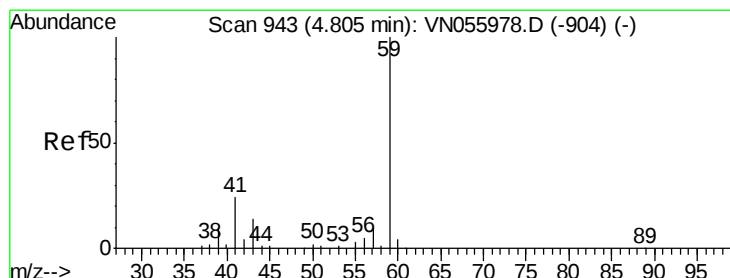
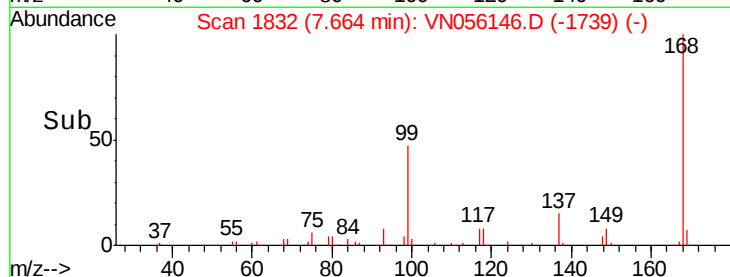
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.328 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.06 min

Lab File: VN056146.D

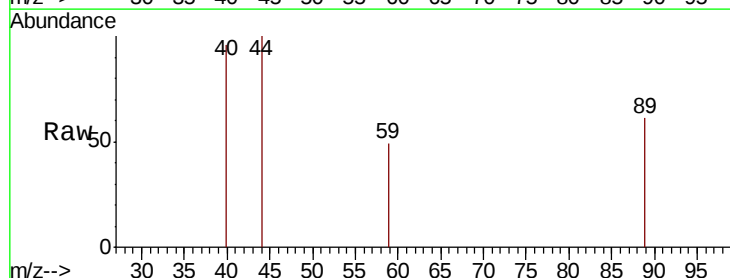
Acq: 8 Jun 2019 12:02

Tgt Ion: 59 Resp: 177

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.75

250

200

150

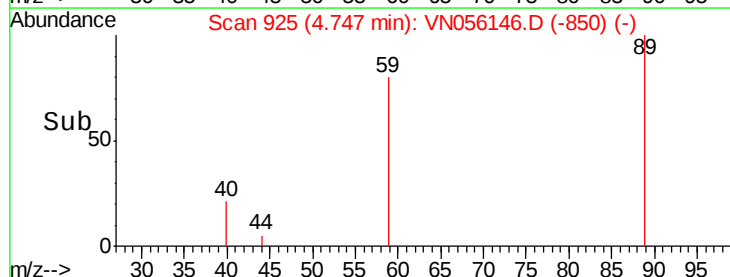
100

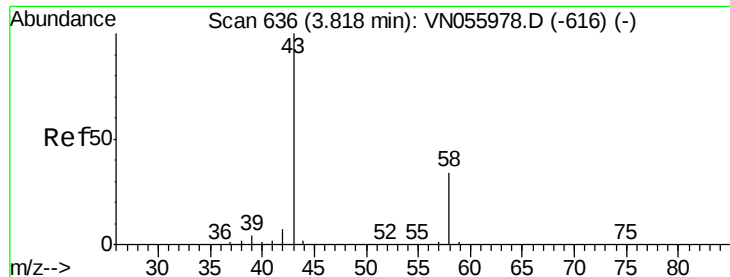
50

0

Time-->

4.73 4.74 4.75 4.76





#16

Acetone

Concen: 3.140 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056146.D

Acq: 8 Jun 2019 12:02

Instrument :

MSVOA_N

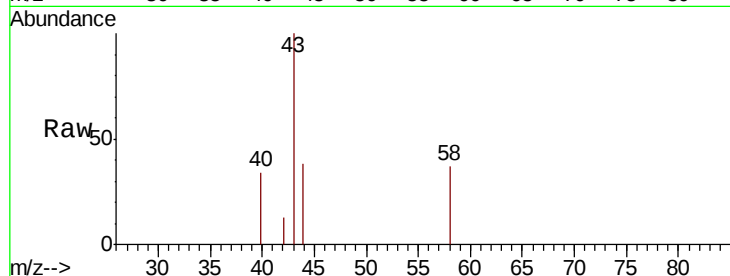
ClientSampled :

Tot Ion: 43 Resp: 4654

Ion Ratio Lower Upper

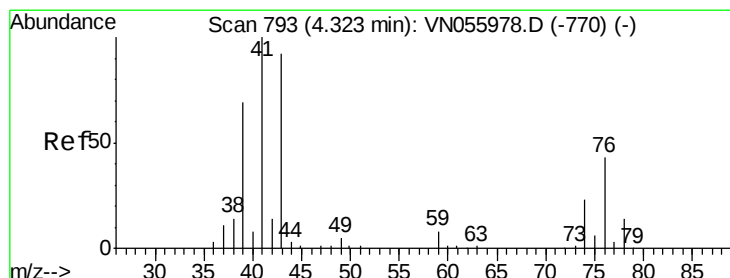
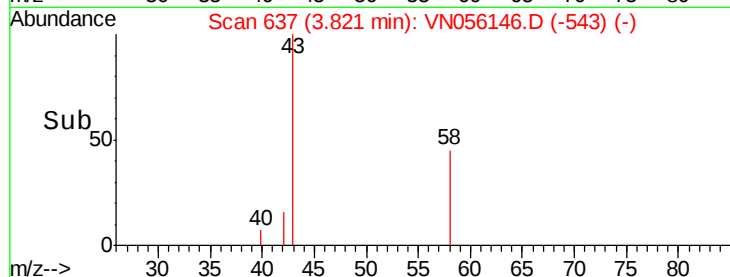
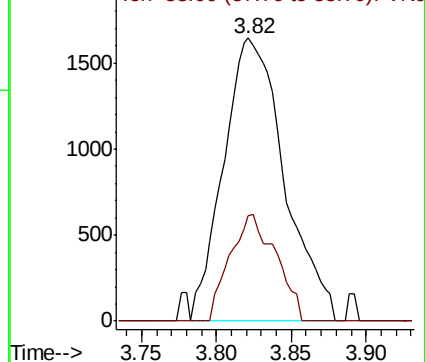
43 100

58 37.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.751 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056146.D

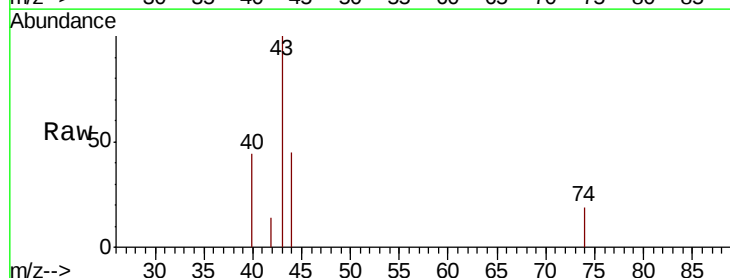
Acq: 8 Jun 2019 12:02

Tgt Ion: 43 Resp: 3844

Ion Ratio Lower Upper

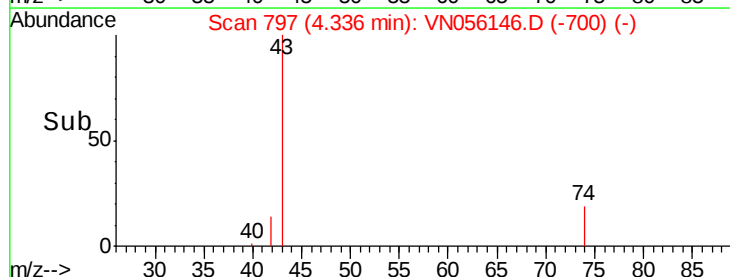
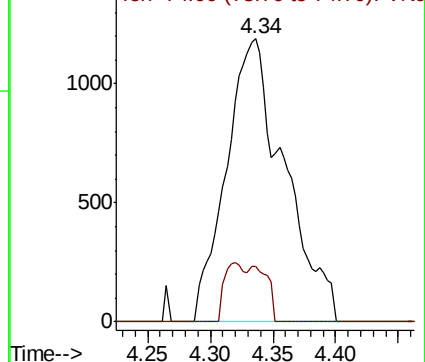
43 100

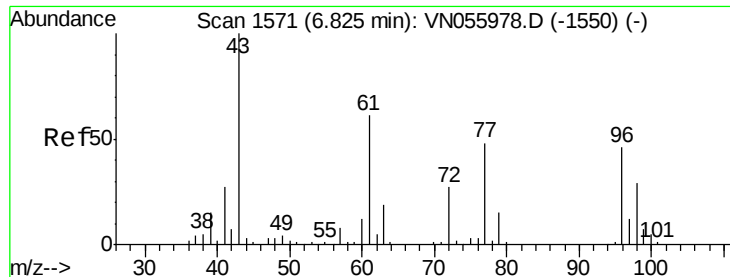
74 7.7 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.704 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056146.D

Acq: 8 Jun 2019 12:02

Instrument :

MSVOA_N

ClientSampled :

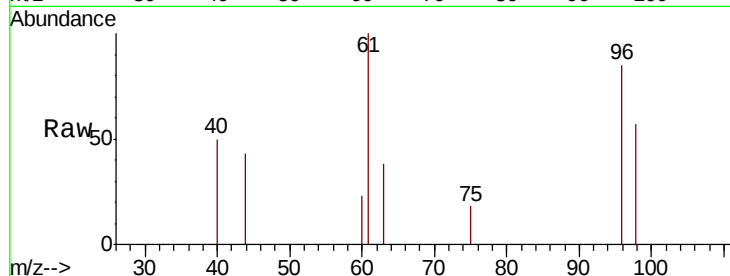
Tot Ion: 96 Resp: 2323

Ion Ratio Lower Upper

96 100

61 122.5 0.0 275.8

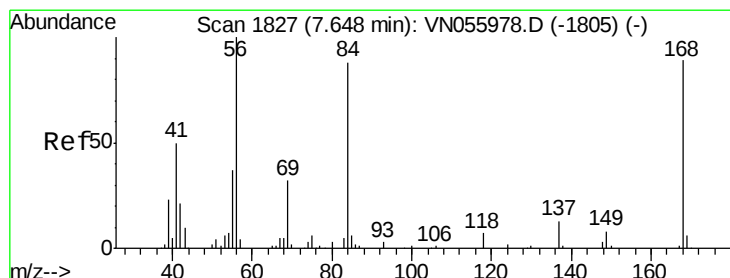
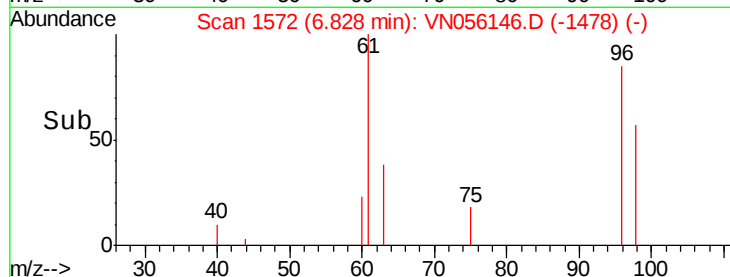
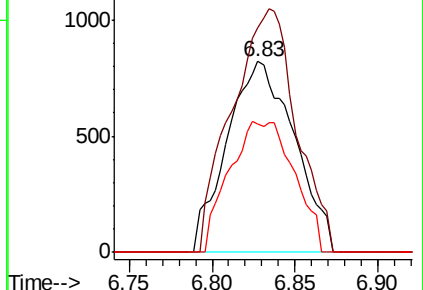
98 65.8 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 0.912 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN056146.D

Acq: 8 Jun 2019 12:02

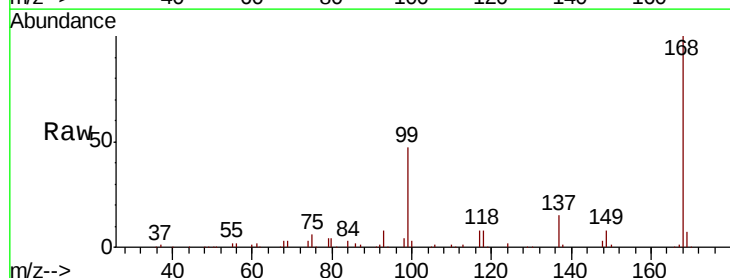
Tgt Ion: 56 Resp: 4483

Ion Ratio Lower Upper

56 100

69 198.4 25.6 38.4#

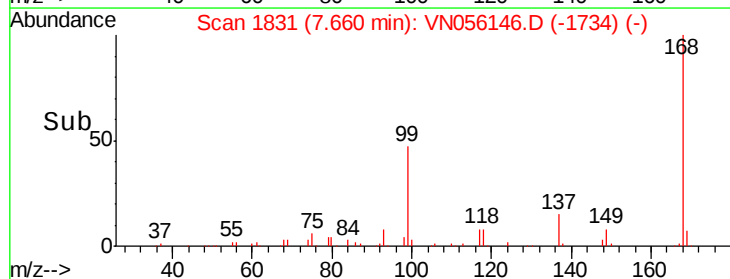
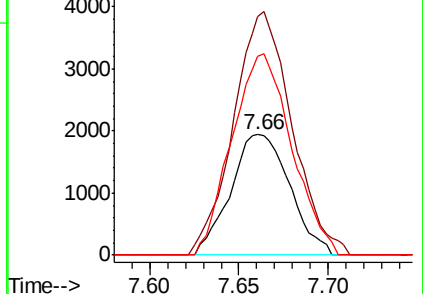
84 165.2 67.4 101.0#

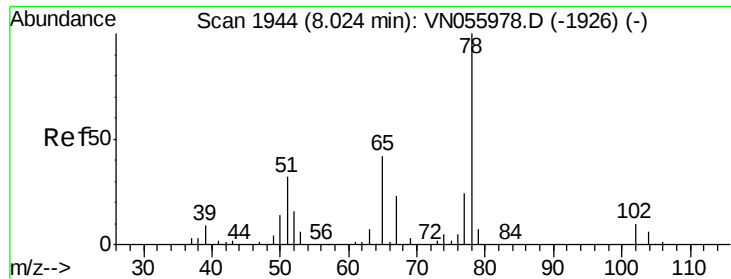


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

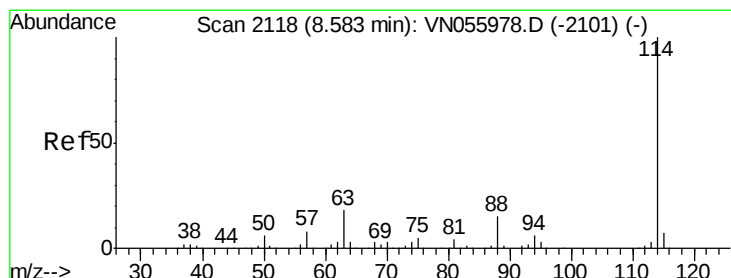
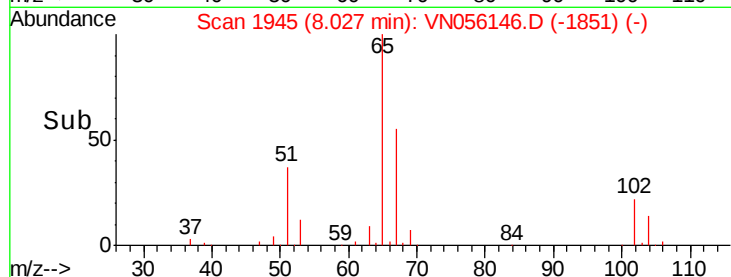
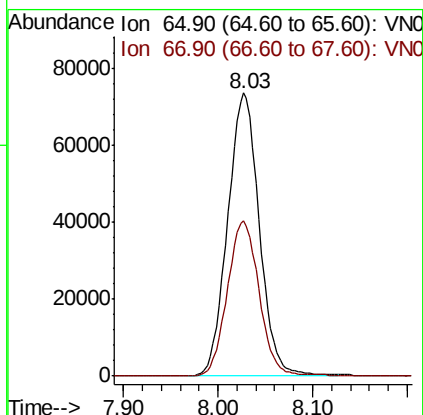
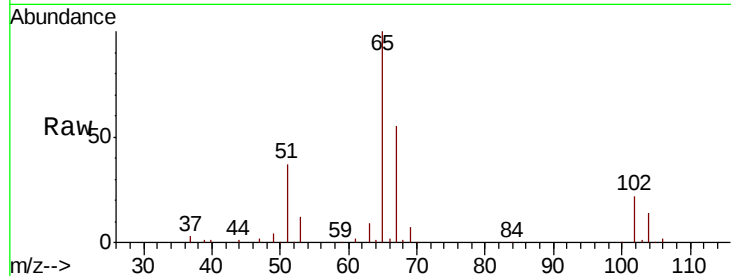




#33
 1,2-Dichloroethane-d4
 Concen: 55.264 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056146.D
 Acq: 8 Jun 2019 12:02

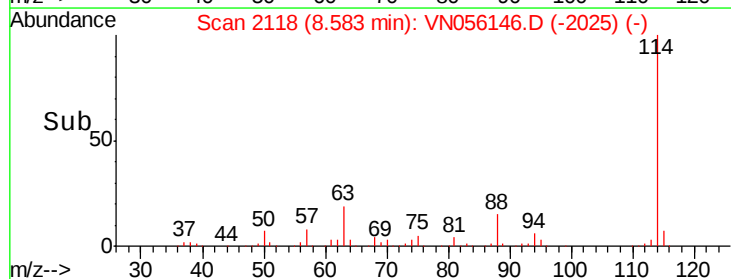
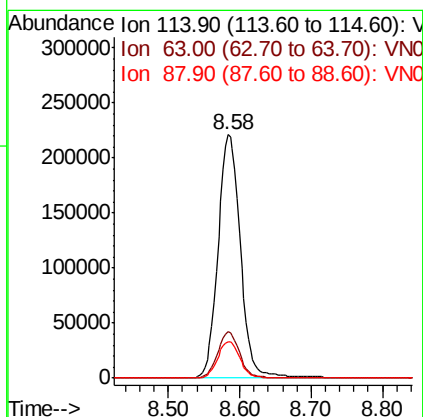
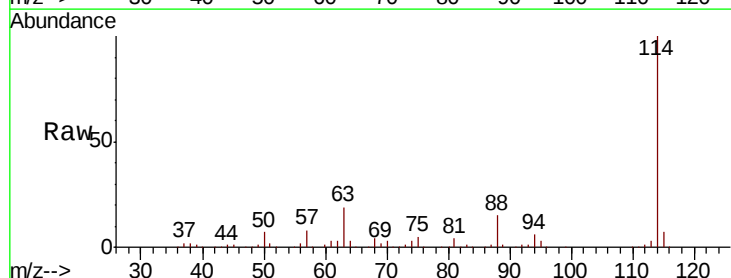
Instrument :
 MSVOA_N
 ClientSampled :

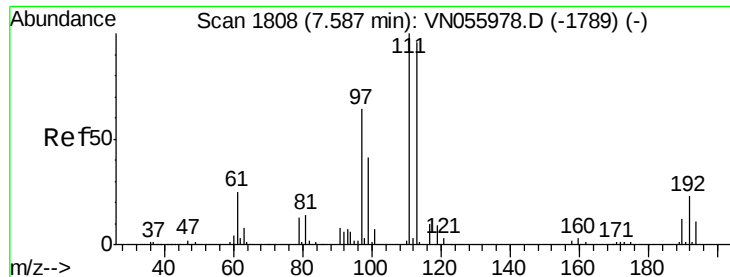
Tot Ion: 65 Resp: 171238
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056146.D
 Acq: 8 Jun 2019 12:02

Tgt Ion: 114 Resp: 481274
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 14.8 0.0 31.0

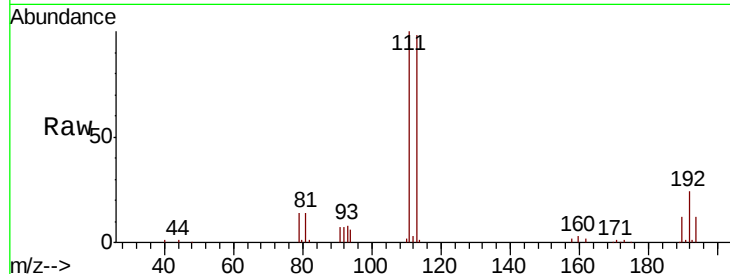




#35
 Dibromofluoromethane
 Concen: 51.223 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056146.D
 Acq: 8 Jun 2019 12:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	24.0	19.5	29.3

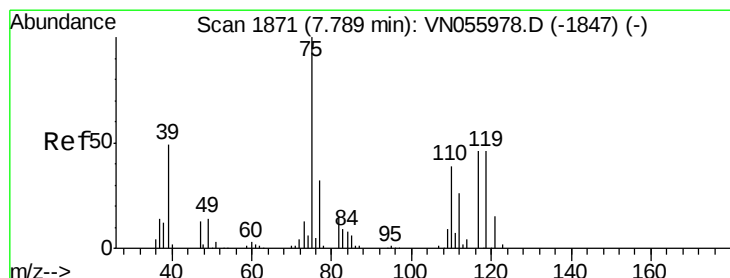
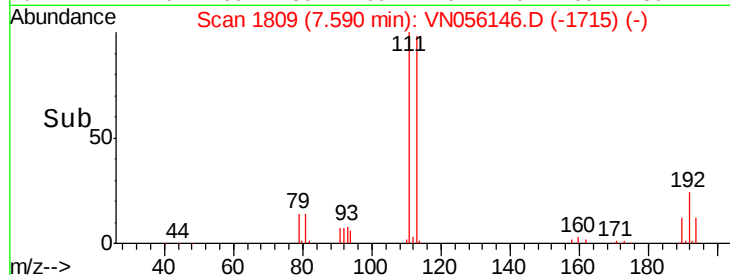
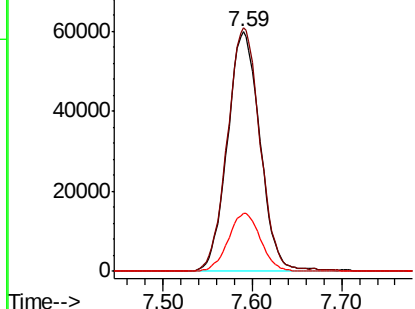


Abundance

Ion 112.80 (112.50 to 113.50): V

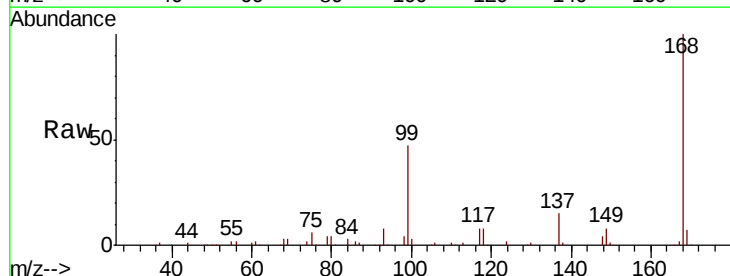
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.412 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056146.D
 Acq: 8 Jun 2019 12:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.0	57.0#
77	0.0	25.1	37.7#

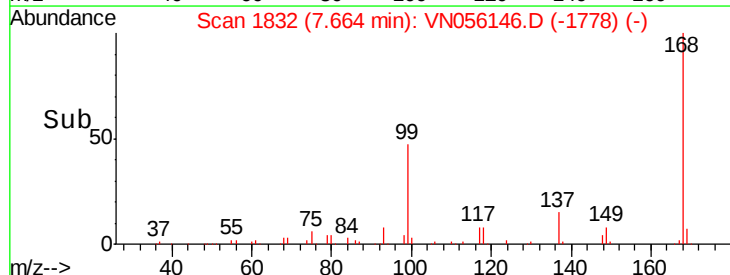
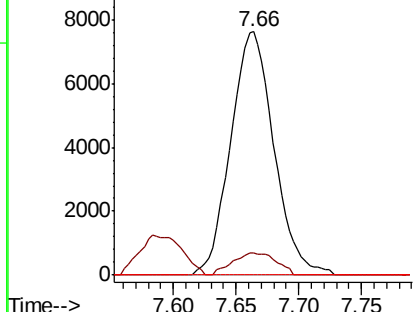


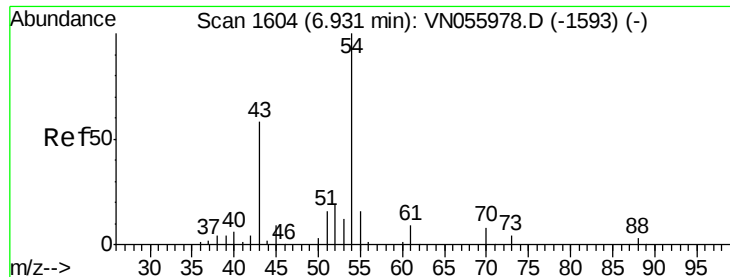
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

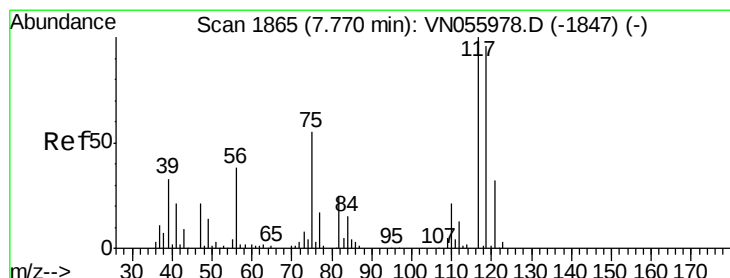
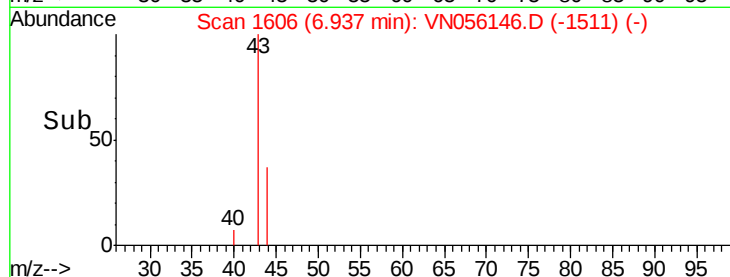
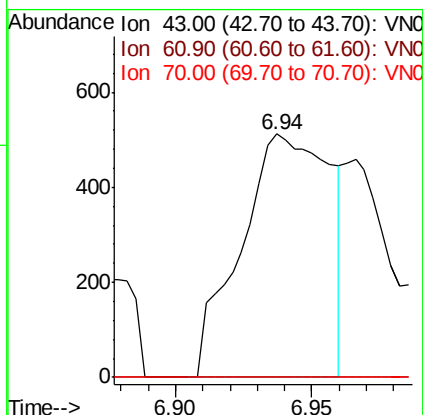
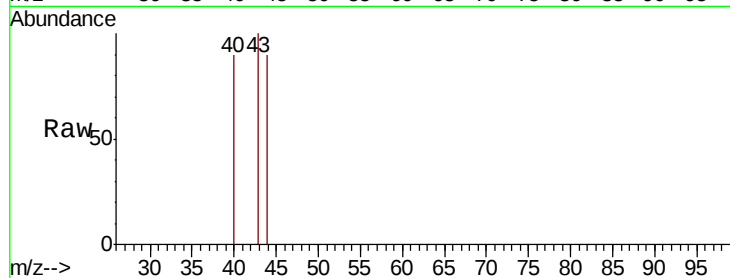




#37
Ethyl Acetate
Concen: 0.316 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN056146.D
Acq: 8 Jun 2019 12:02

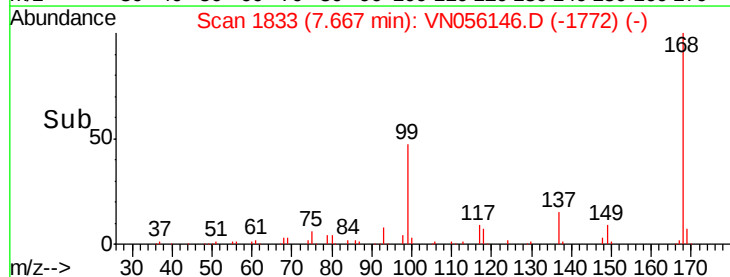
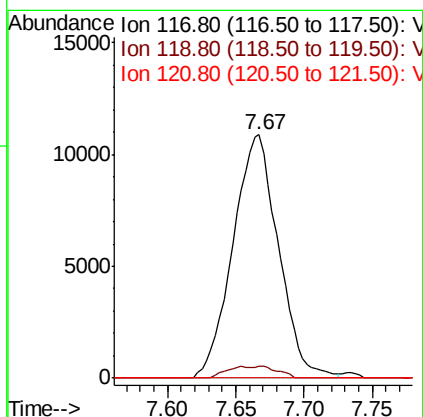
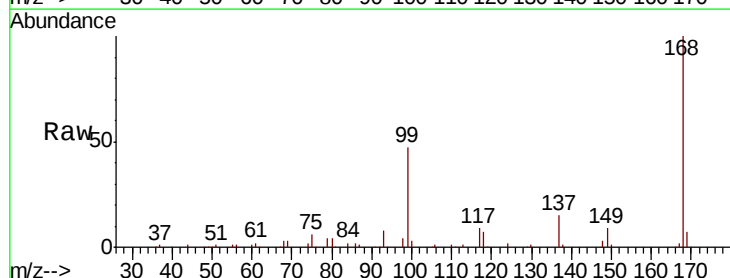
Instrument :
MSVOA_N
ClientSampleId :

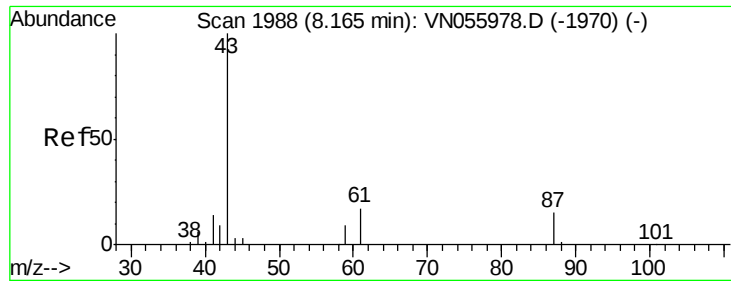
Tot Ion: 43 Resp: 1162
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.2#
70 0.0 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 6.600 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.10 min
Lab File: VN056146.D
Acq: 8 Jun 2019 12:02

Tgt Ion: 117 Resp: 25182
Ion Ratio Lower Upper
117 100
119 4.9 79.0 118.6#
121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 0.830 ug/l

RT: 8.29 min Scan# 2026

Delta R.T. 0.12 min

Lab File: VN056146.D

Acq: 8 Jun 2019 12:02

Instrument :

MSVOA_N

ClientSampled :

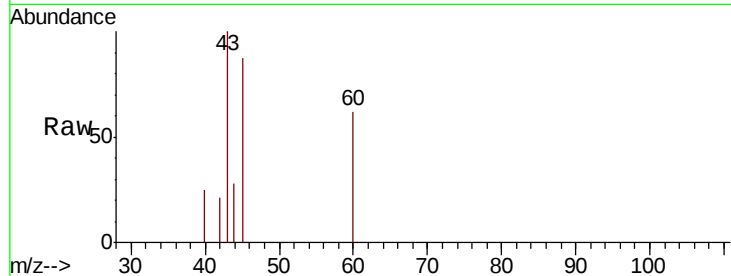
Tot Ion: 43 Resp: 4950

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

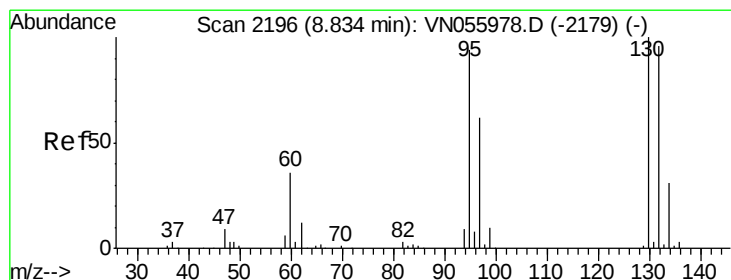
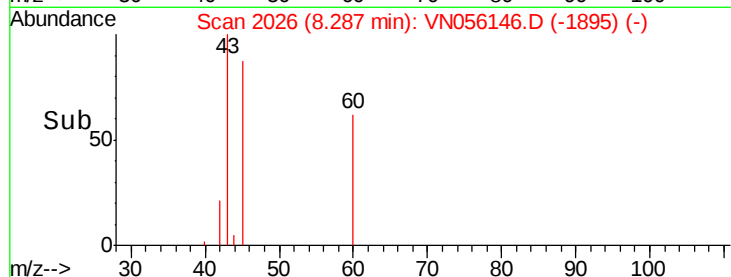
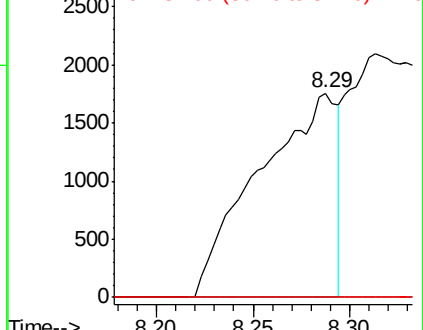
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 1.357 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056146.D

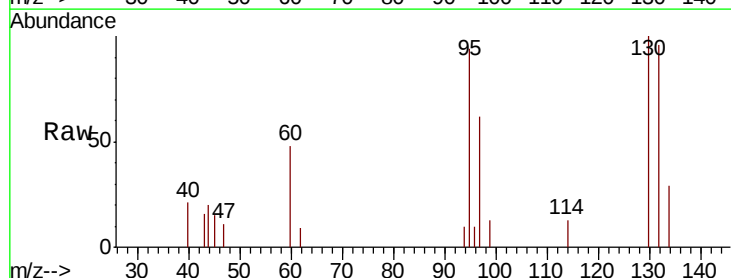
Acq: 8 Jun 2019 12:02

Tgt Ion: 130 Resp: 4902

Ion Ratio Lower Upper

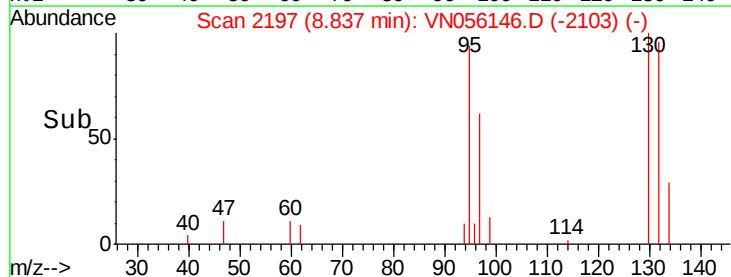
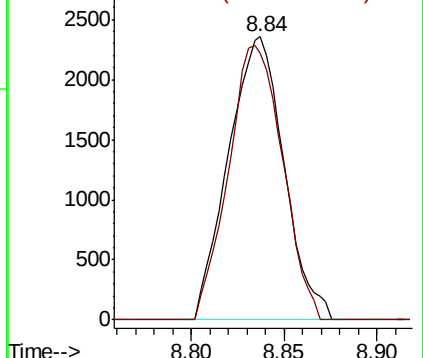
130 100

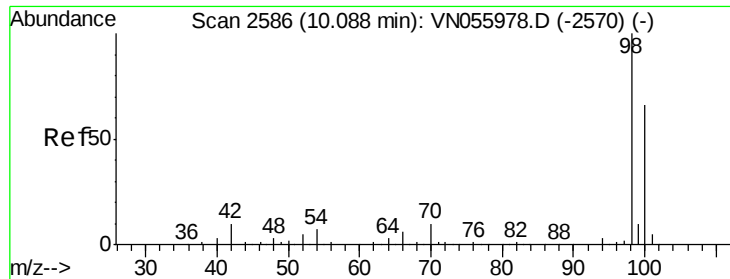
95 94.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)





#50

Toluene-d8

Concen: 54.760 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056146.D

Acq: 8 Jun 2019 12:02

Instrument :

MSVOA_N

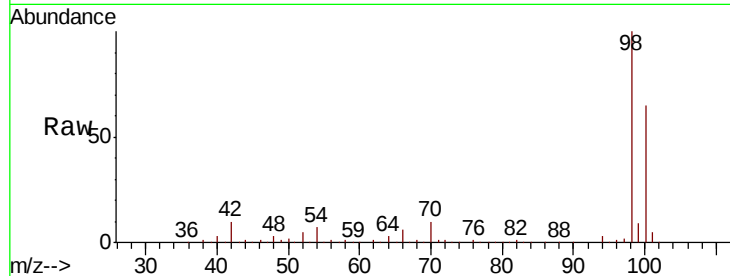
ClientSampleId :

Tot Ion: 98 Resp: 622197

Ion Ratio Lower Upper

98 100

100 65.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

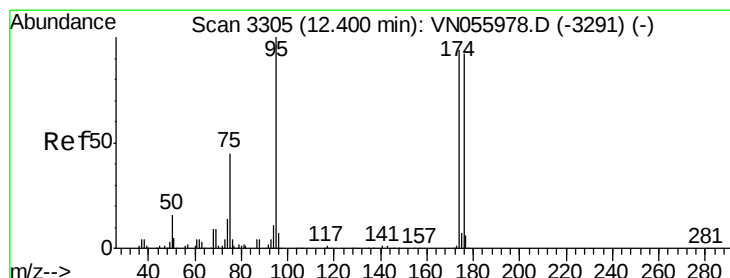
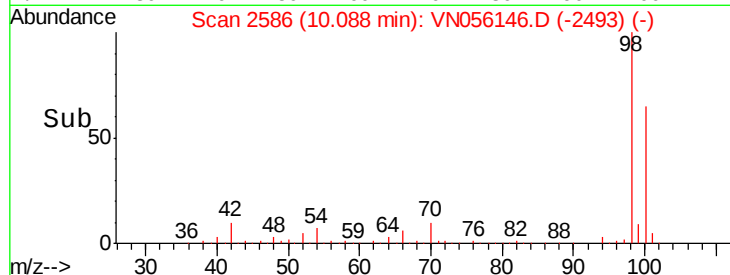
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.339 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056146.D

Acq: 8 Jun 2019 12:02

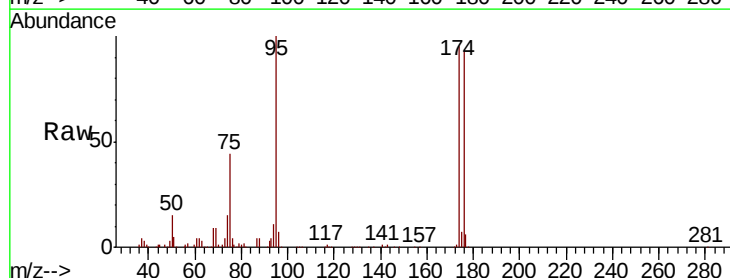
Tgt Ion: 95 Resp: 194511

Ion Ratio Lower Upper

95 100

174 95.5 0.0 191.0

176 93.3 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

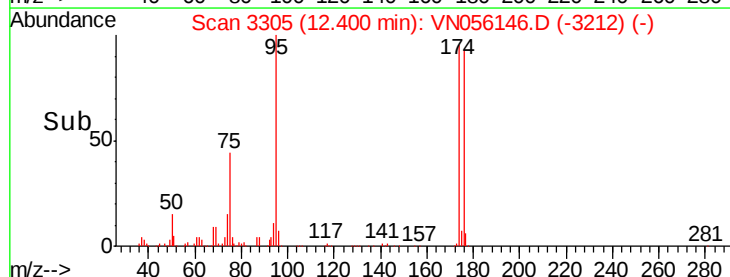
150000

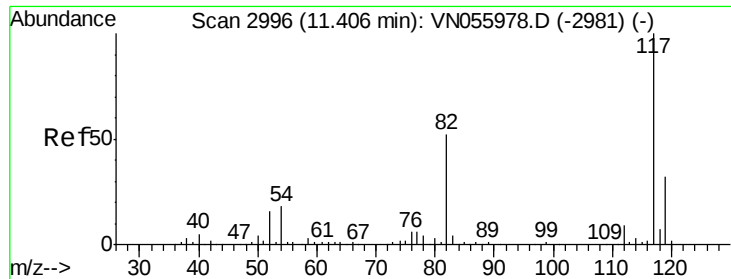
100000

50000

0

Time-->

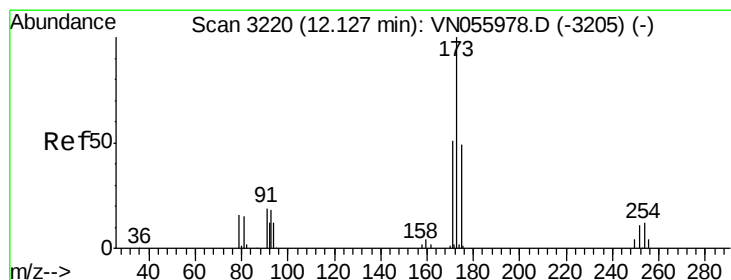
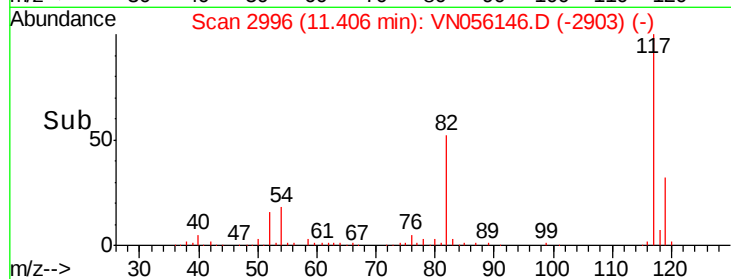
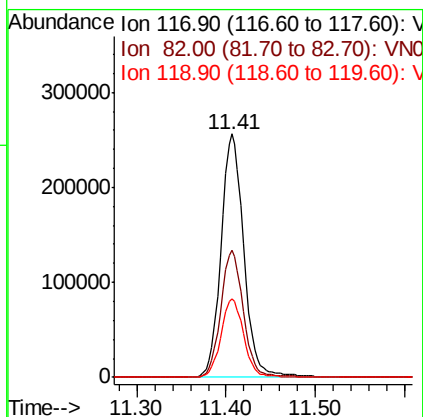
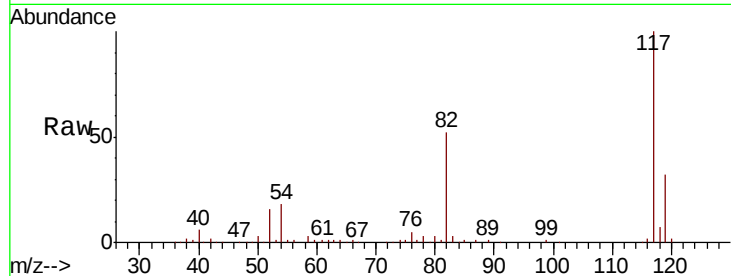




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056146.D
Acq: 8 Jun 2019 12:02

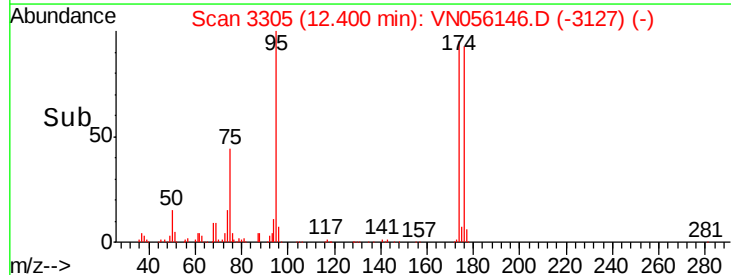
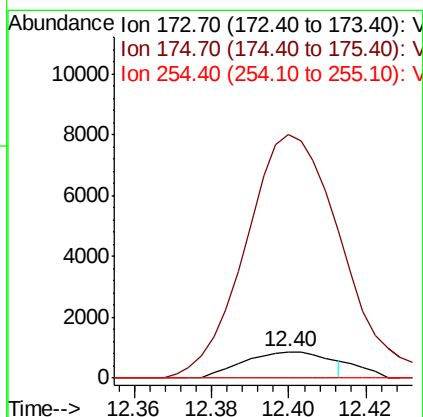
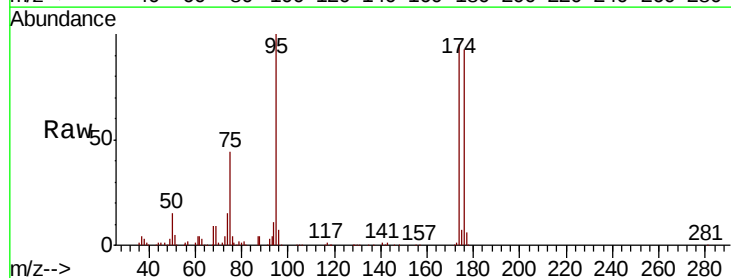
Instrument :
MSVOA_N
ClientSampleId :

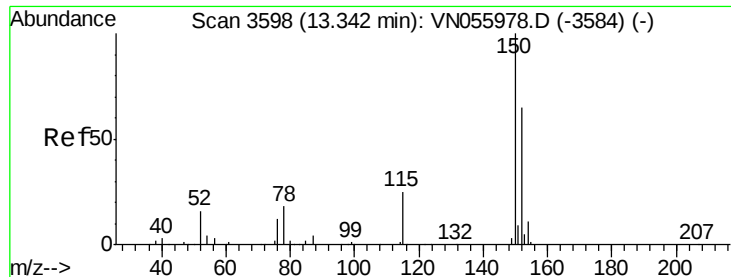
Tot Ion:117 Resp: 452910
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 32.4 25.4 38.0



#71
Bromoform
Concen: 3.222 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056146.D
Acq: 8 Jun 2019 12:02

Tgt Ion:173 Resp: 1328
Ion Ratio Lower Upper
173 100
175 897.8 24.3 72.8#
254 0.0 0.0 0.0



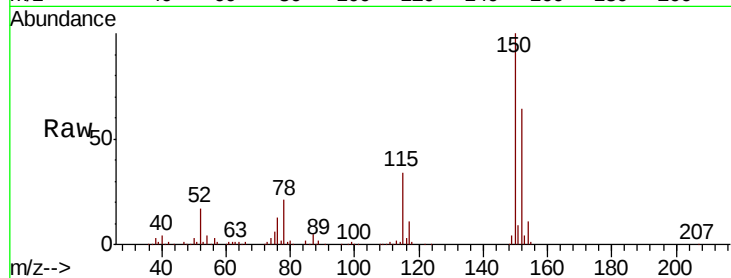


#72

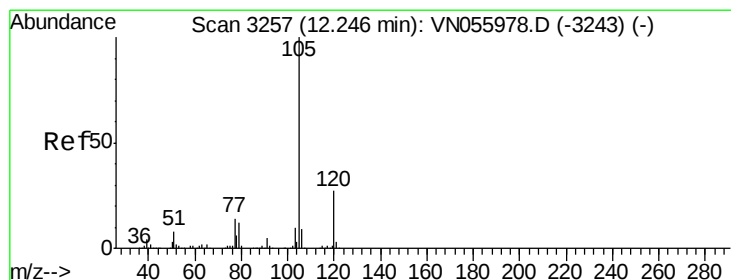
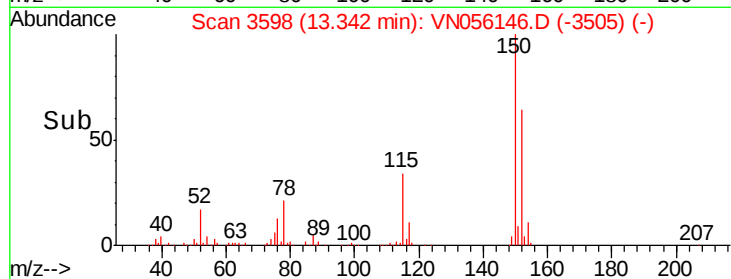
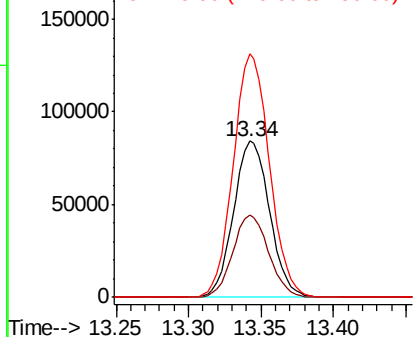
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056146.D
Acq: 8 Jun 2019 12:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 145260
Ion Ratio Lower Upper
152 100
115 52.4 27.0 81.0
150 156.7 0.0 343.2



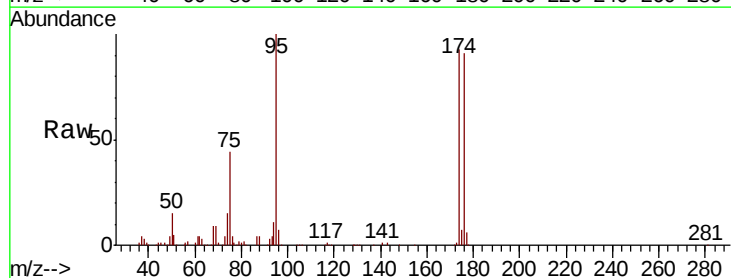
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



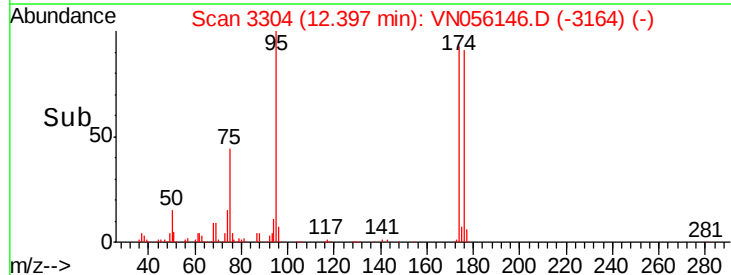
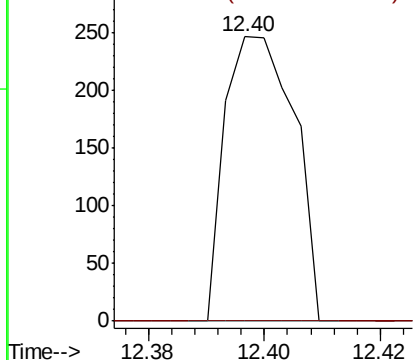
#73

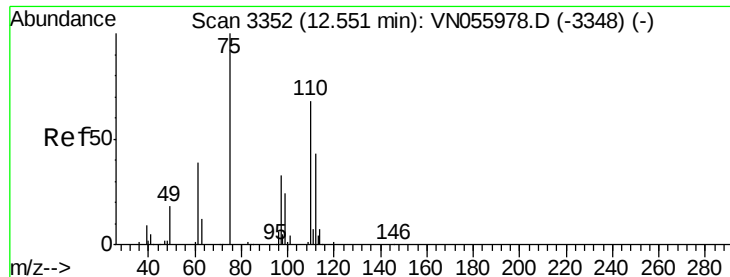
Isopropylbenzene
Concen: Below Cal
RT: 12.40 min Scan# 3304
Delta R.T. 0.15 min
Lab File: VN056146.D
Acq: 8 Jun 2019 12:02

Tgt Ion:105 Resp: 203
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 32.491 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056146.D

Acq: 8 Jun 2019 12:02

Instrument :

MSVOA_N

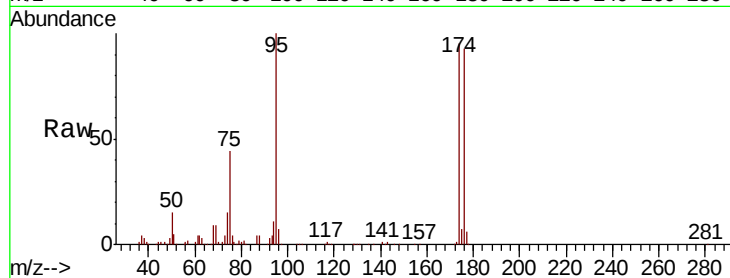
ClientSampled :

Tot Ion: 75 Resp: 86844

Ion Ratio Lower Upper

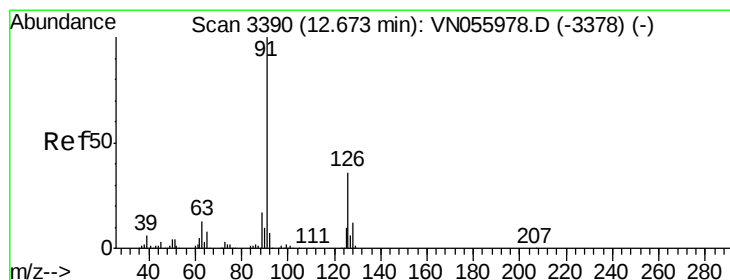
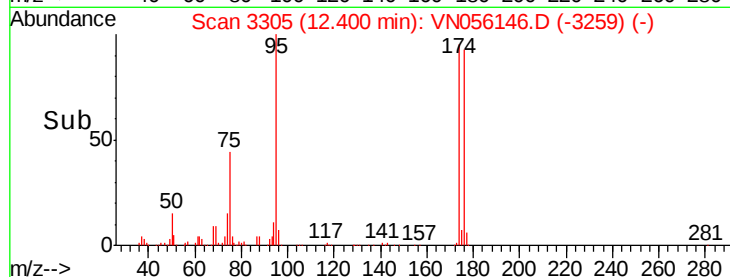
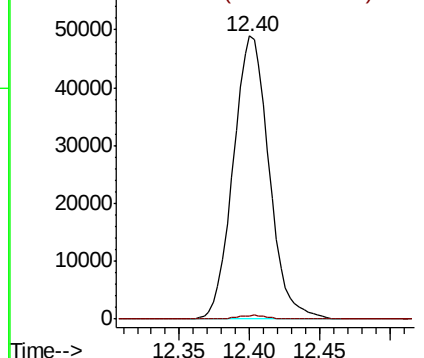
75 100

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



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.28 min

Lab File: VN056146.D

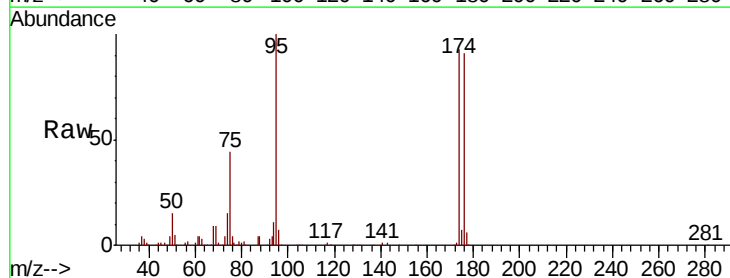
Acq: 8 Jun 2019 12:02

Tgt Ion: 91 Resp: 416

Ion Ratio Lower Upper

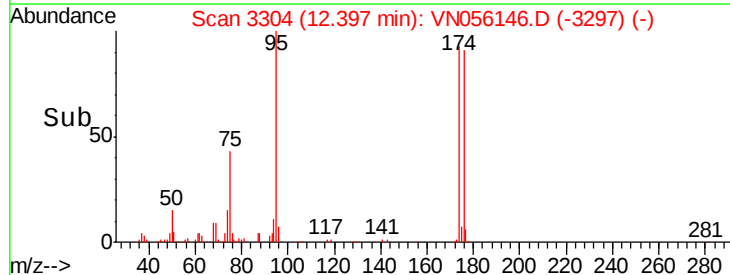
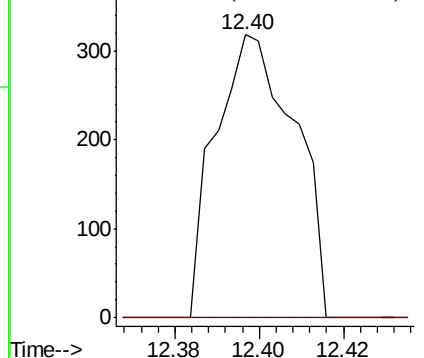
91 100

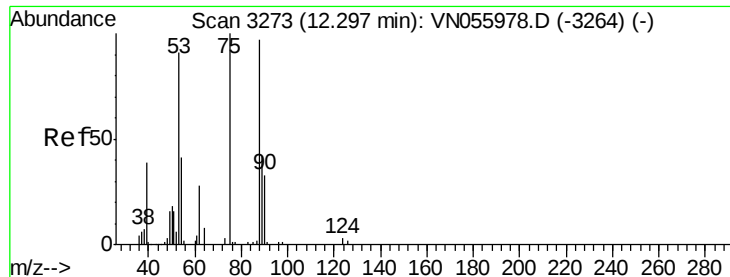
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 108.202 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056146.D

Acq: 8 Jun 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

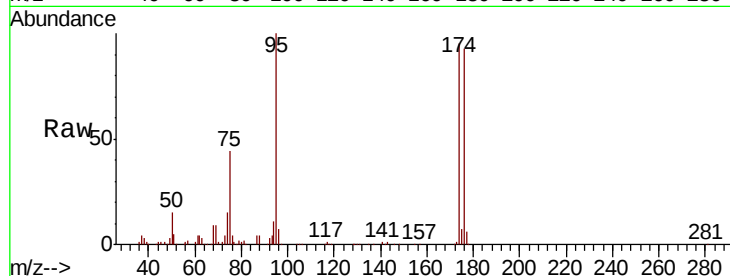
Tot Ion: 75 Resp: 86844

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

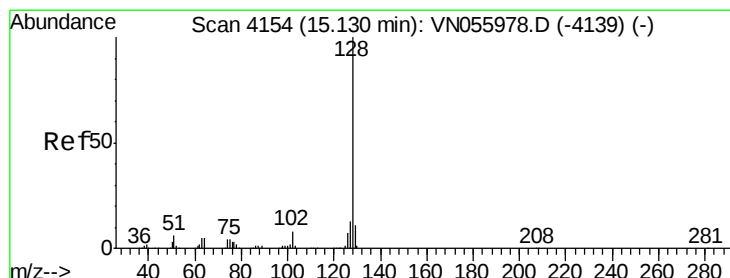
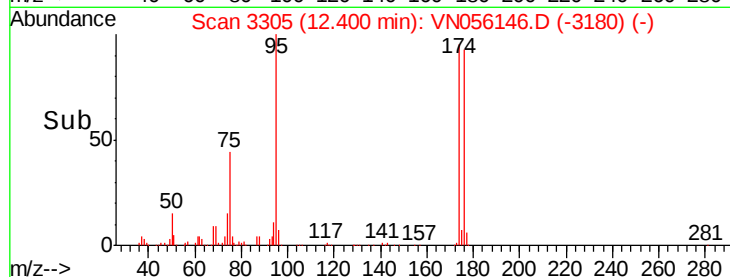
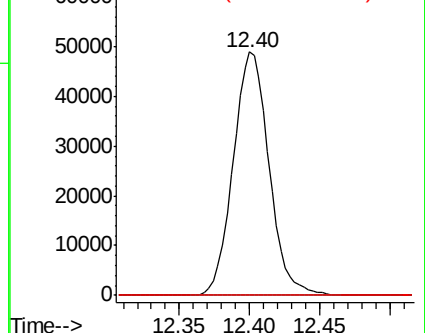
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#95

Naphthalene

Concen: 3.903 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056146.D

Acq: 8 Jun 2019 12:02

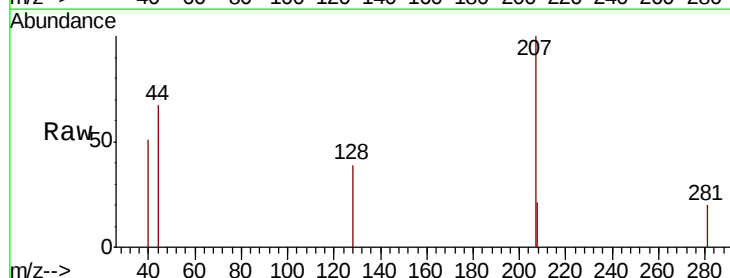
Tgt Ion:128 Resp: 388

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN055978.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN055978.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN055978.D (-4139) (-)

