

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056193.D
 Acq On : 11 Jun 2019 2:15
 Operator : JC/SP
 Sample : K3255-08DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 05:09:31 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	302380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	451386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	444567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	144665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	161124	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
35) Dibromofluoromethane	7.59	113	150281	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
50) Toluene-d8	10.09	98	587651	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
62) 4-Bromofluorobenzene	12.40	95	188306	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds

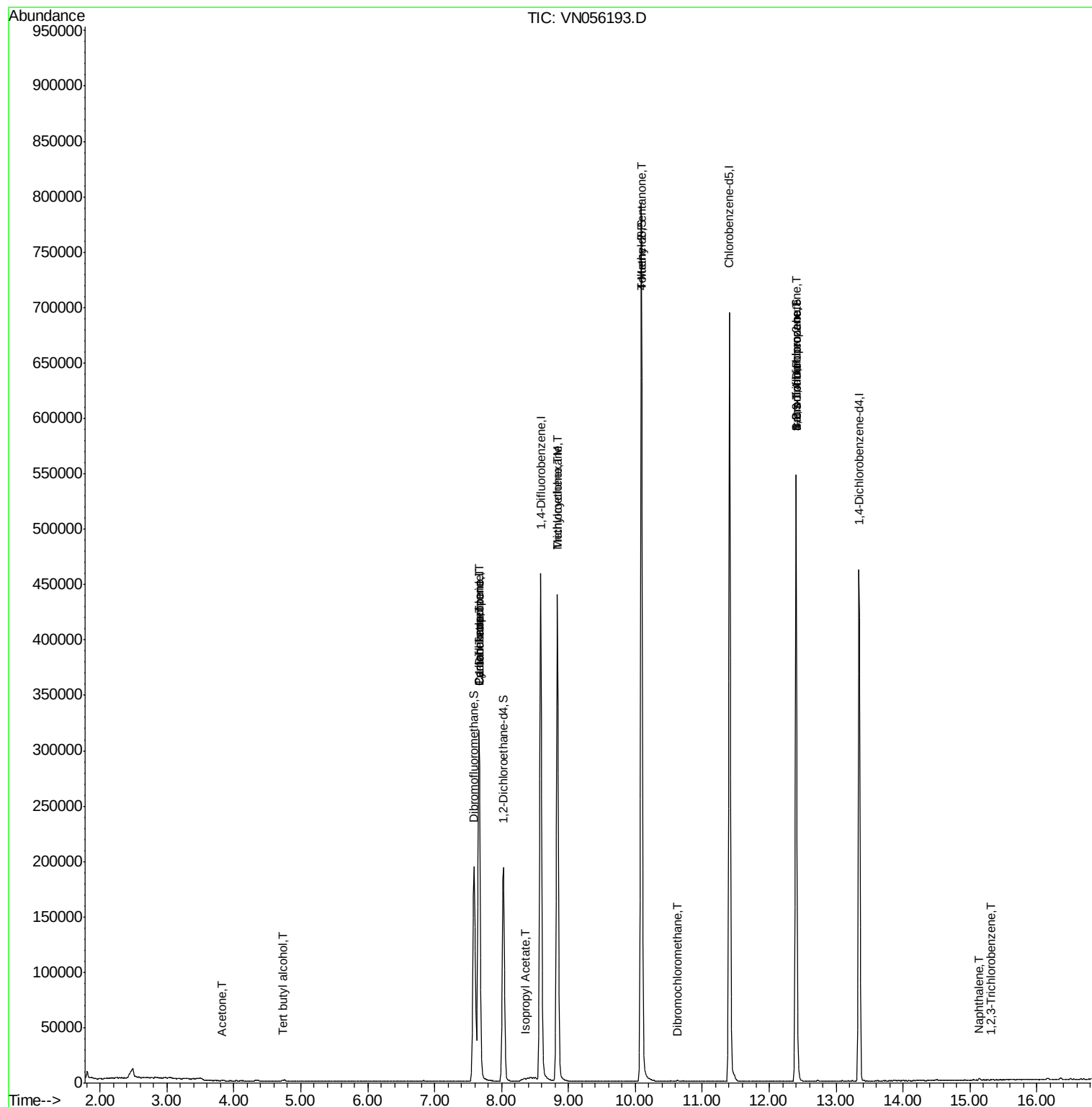
					Qvalue	
11) Tert butyl alcohol	4.73	59	110	0.211	ug/l #	74
16) Acetone	3.82	43	452	0.315	ug/l #	41
31) Cyclohexane	7.66	56	4174	0.876	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17372	4.476	ug/l #	47
38) Carbon Tetrachloride	7.66	117	24793	6.929	ug/l #	15
39) Methylcyclohexane	8.83	83	1860	0.385	ug/l #	1
43) Isopropyl Acetate	8.35	43	3590	0.642	ug/l #	53
44) Trichloroethene	8.83	130	180468	53.277	ug/l	99
51) 4-Methyl-2-Pentanone	10.09	43	2298	0.657	ug/l #	1
60) Dibromochloromethane	10.63	129	31	2.461	ug/l #	11
71) Bromoform	12.40	173	755	3.020	ug/l #	1
73) Isopropylbenzene	12.25	105	29	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	87062	32.707	ug/l #	100
79) 2-Chlorotoluene	12.59	91	112	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	87062	108.920	ug/l #	15
95) Naphthalene	15.14	128	2153	4.138	ug/l #	71
96) 1,2,3-Trichlorobenzene	15.31	180	92	3.063	ug/l #	12

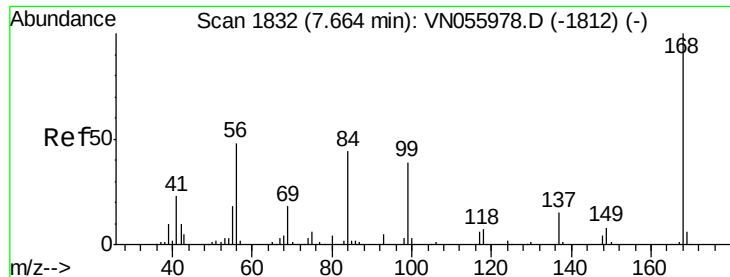
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VN056193.D

Acq: 11 Jun 2019 2:15

Instrument :

MSVOA_N

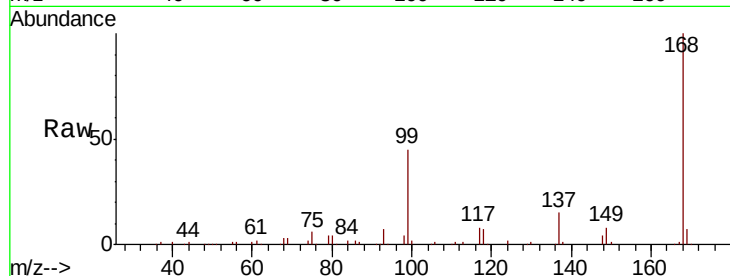
ClientSampled :

Tot Ion:168 Resp: 302380

Ion Ratio Lower Upper

168 100

99 44.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

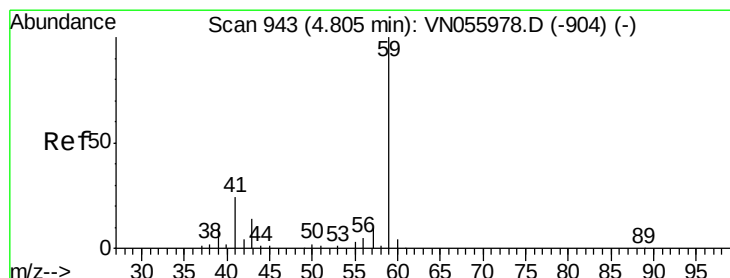
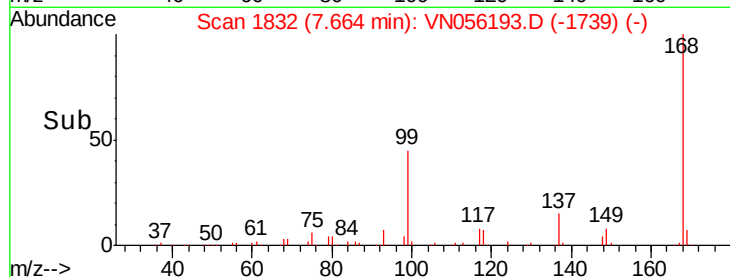
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.211 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.08 min

Lab File: VN056193.D

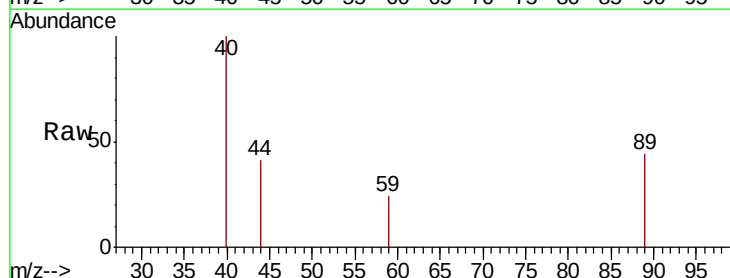
Acq: 11 Jun 2019 2:15

Tgt Ion: 59 Resp: 110

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

300

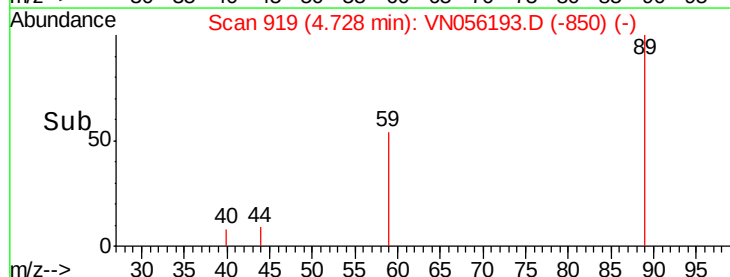
200

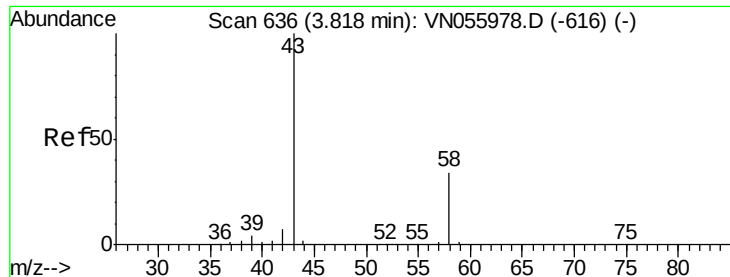
100

0

4.72 4.73 4.74

Time-->





#16

Acetone

Concen: 0.315 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056193.D

Acq: 11 Jun 2019 2:15

Instrument :

MSVOA_N

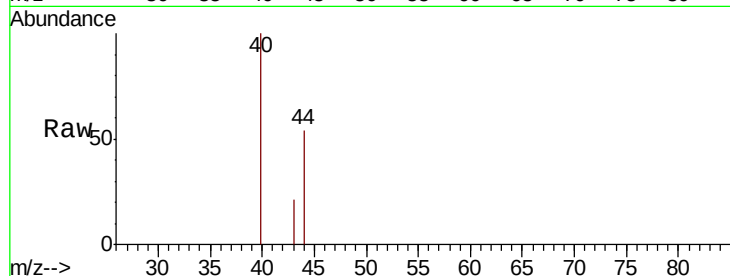
ClientSampleId :

Tot Ion: 43 Resp: 452

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

250

200

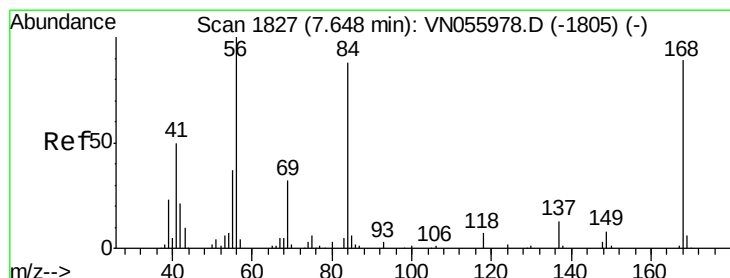
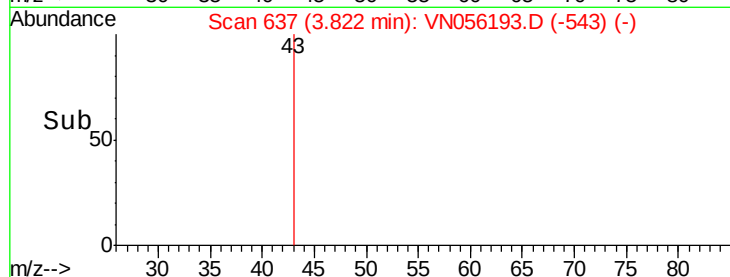
150

100

50

0

Time--> 3.78 3.80 3.82 3.84



#31

Cyclohexane

Concen: 0.876 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056193.D

Acq: 11 Jun 2019 2:15

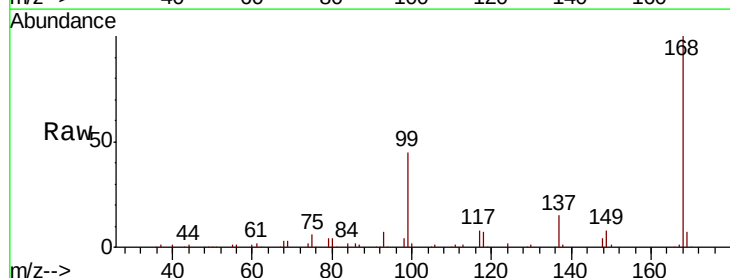
Tgt Ion: 56 Resp: 4174

Ion Ratio Lower Upper

56 100

69 197.6 25.6 38.4#

84 159.4 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

5000

4000

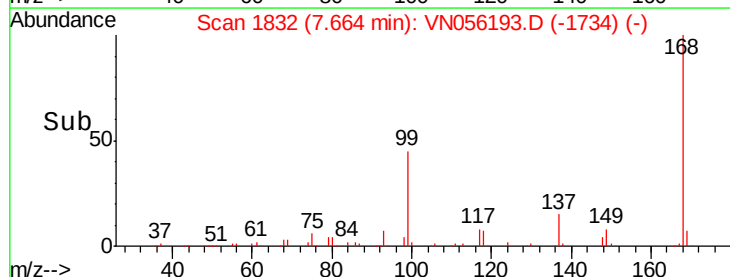
3000

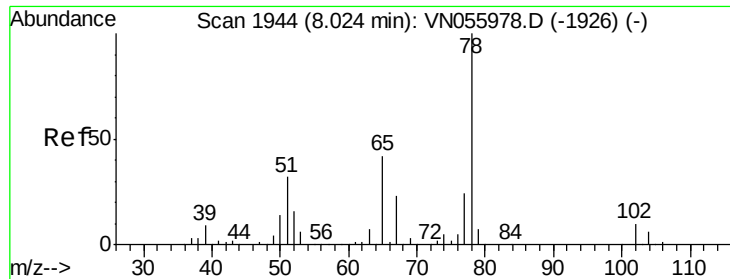
2000

1000

0

Time--> 7.60 7.65 7.70

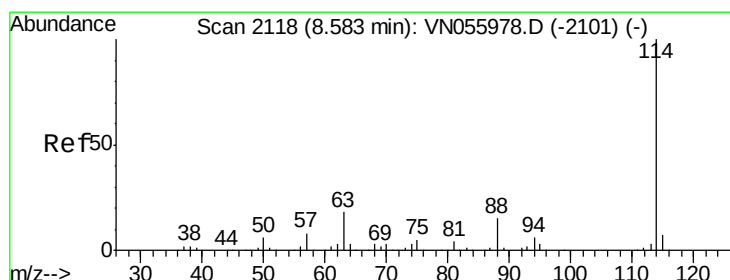
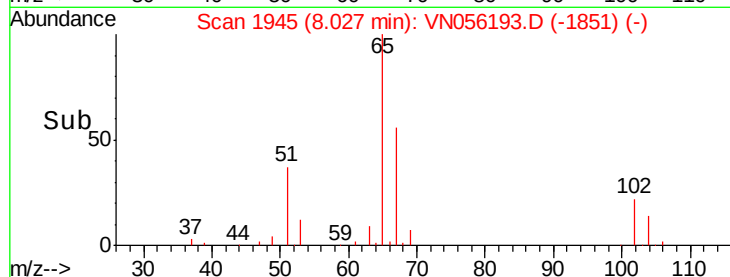
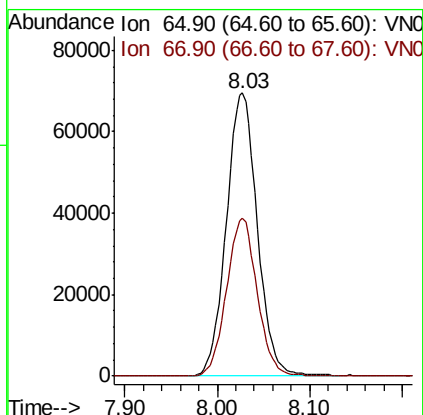
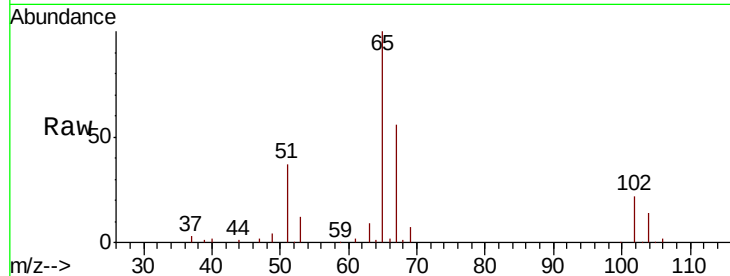




#33
 1,2-Dichloroethane-d4
 Concen: 53.665 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056193.D
 Acq: 11 Jun 2019 2:15

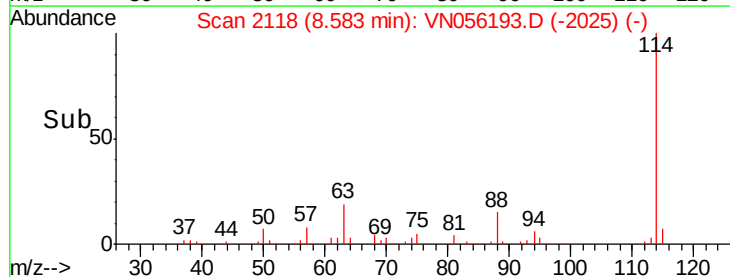
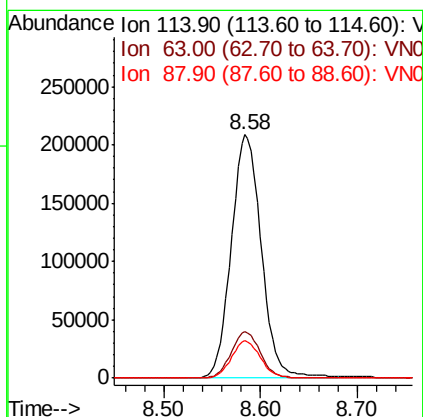
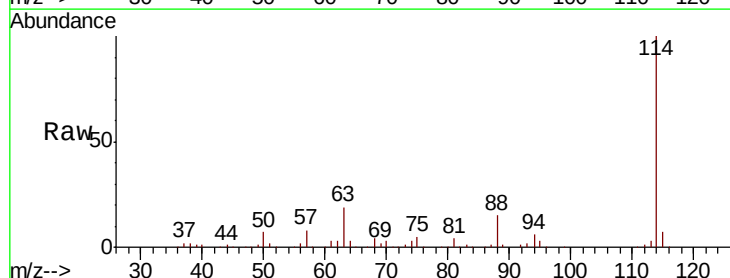
Instrument :
 MSVOA_N
 ClientSampleId :

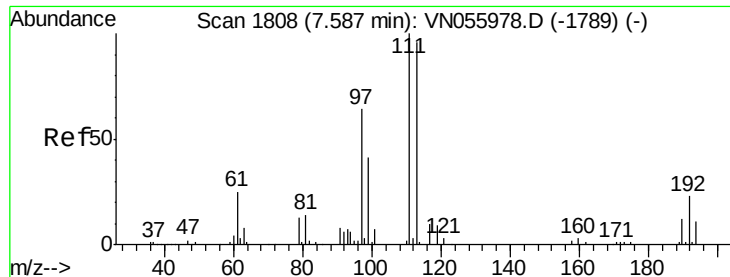
Tot Ion: 65 Resp: 161124
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056193.D
 Acq: 11 Jun 2019 2:15

Tgt Ion: 114 Resp: 451386
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 15.2 0.0 31.0

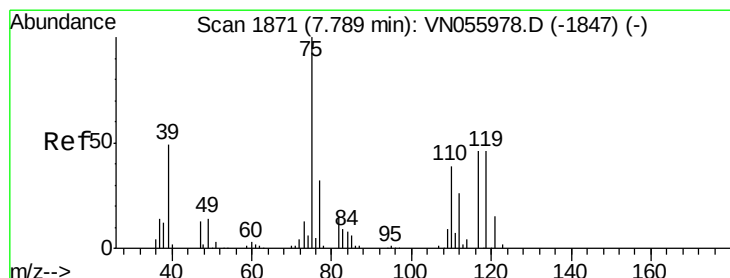
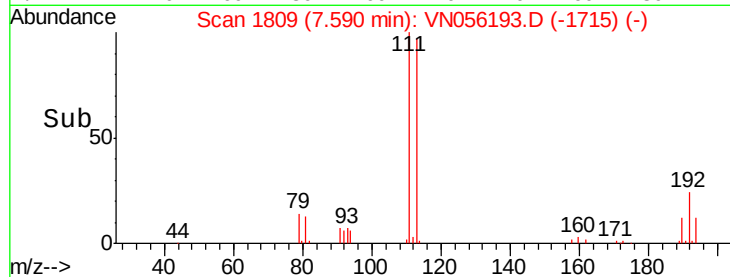
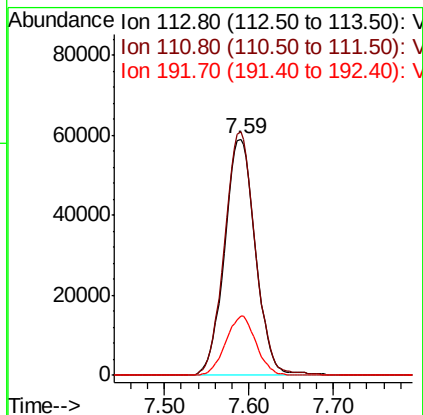
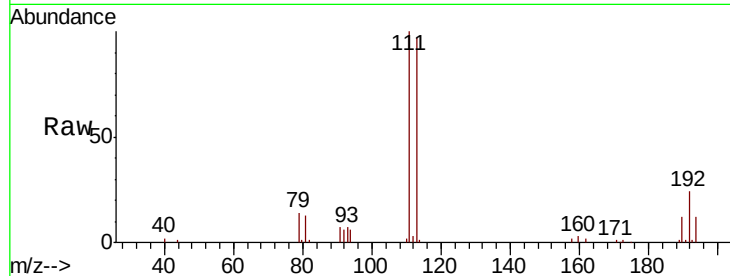




#35
 Dibromofluoromethane
 Concen: 54.265 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056193.D
 Acq: 11 Jun 2019 2:15

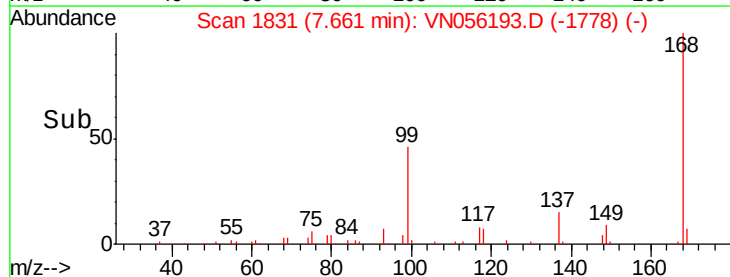
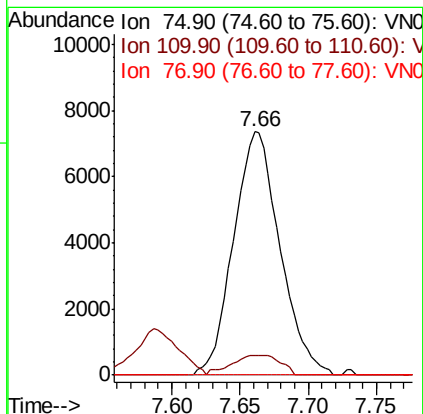
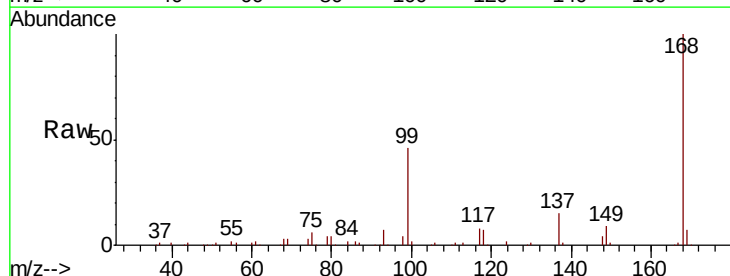
Instrument :
 MSVOA_N
 ClientSampleId :

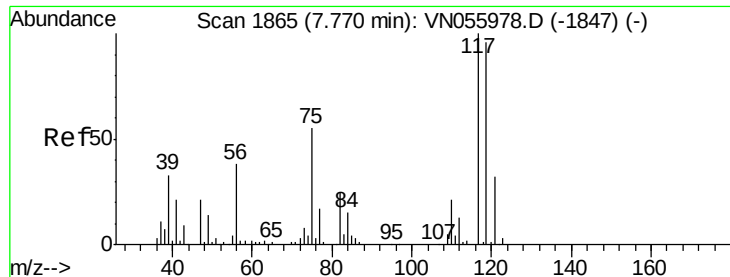
Tot Ion:113 Resp: 150281
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.9 122.9
 192 24.5 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 4.476 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056193.D
 Acq: 11 Jun 2019 2:15

Tgt Ion: 75 Resp: 17372
 Ion Ratio Lower Upper
 75 100
 110 8.5 19.0 57.0#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.929 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056193.D

Acq: 11 Jun 2019 2:15

Instrument :

MSVOA_N

ClientSampleId :

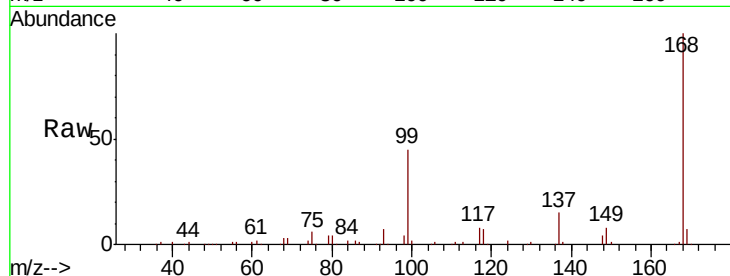
Tot Ion:117 Resp: 24793

Ion Ratio Lower Upper

117 100

119 6.0 79.0 118.6#

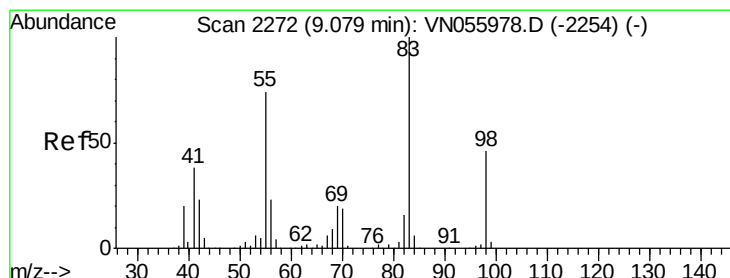
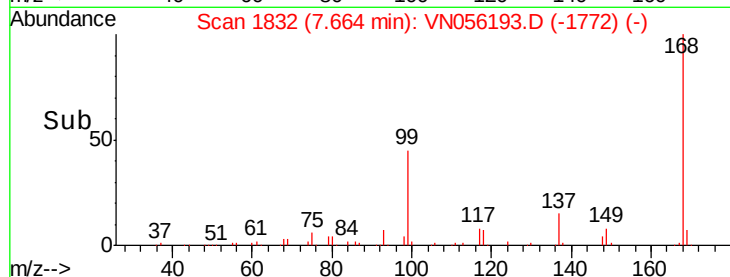
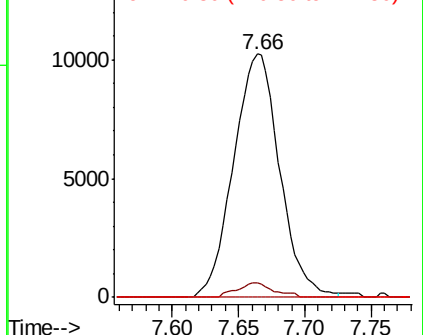
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.385 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VN056193.D

Acq: 11 Jun 2019 2:15

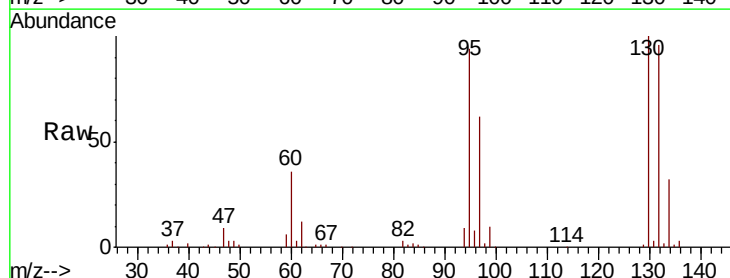
Tgt Ion: 83 Resp: 1860

Ion Ratio Lower Upper

83 100

55 0.0 59.3 88.9#

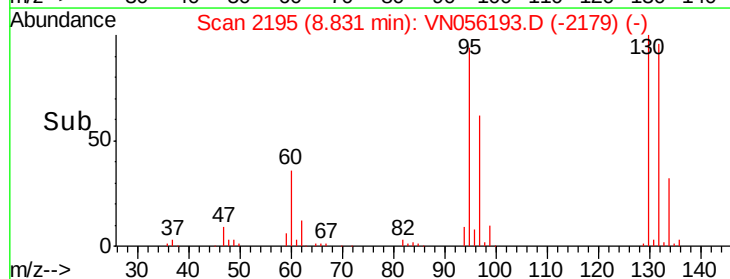
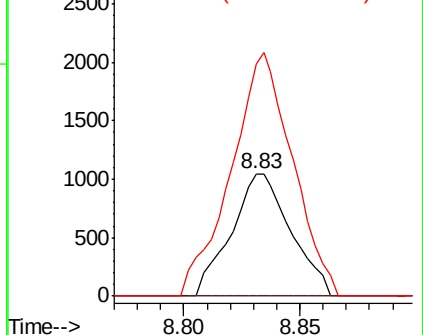
98 189.6 36.6 54.8#

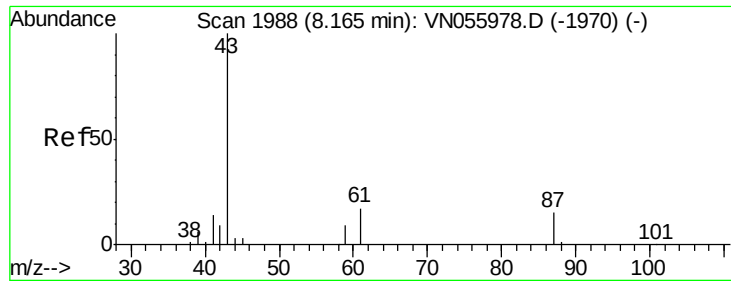


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#43

Isopropyl Acetate

Concen: 0.642 ug/l

RT: 8.35 min Scan# 2046

Delta R.T. 0.19 min

Lab File: VN056193.D

Acq: 11 Jun 2019 2:15

Instrument :

MSVOA_N

ClientSampled :

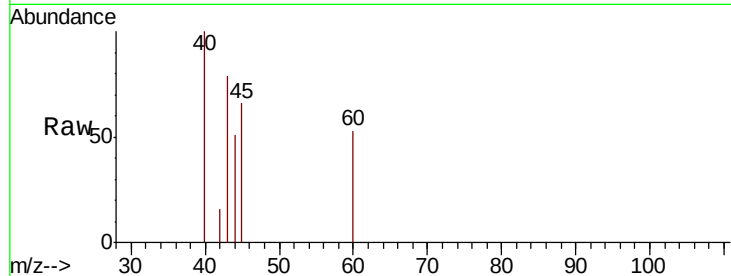
Tot Ion: 43 Resp: 3590

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

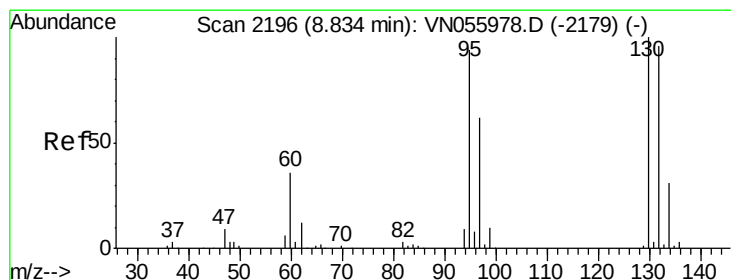
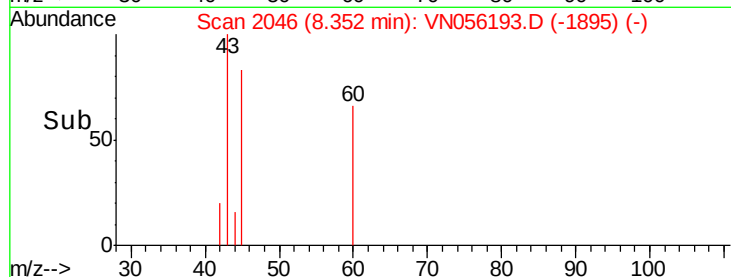
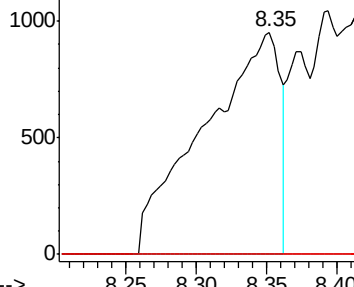
87 0.0 11.4 17.2#



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: 53.277 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056193.D

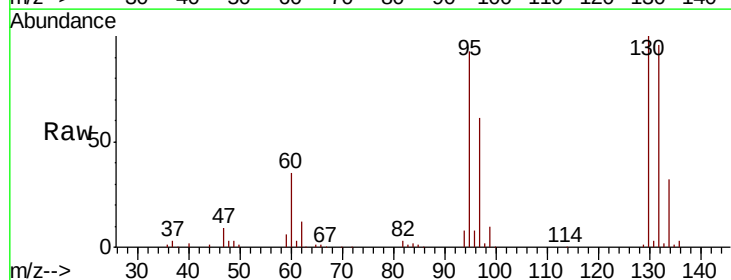
Acq: 11 Jun 2019 2:15

Tgt Ion:130 Resp: 180468

Ion Ratio Lower Upper

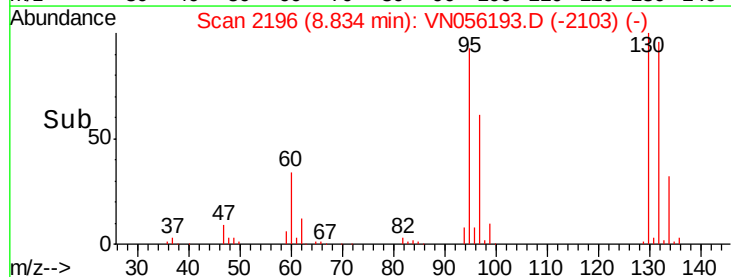
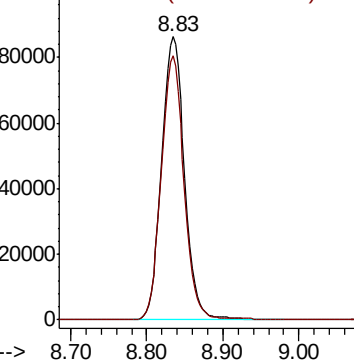
130 100

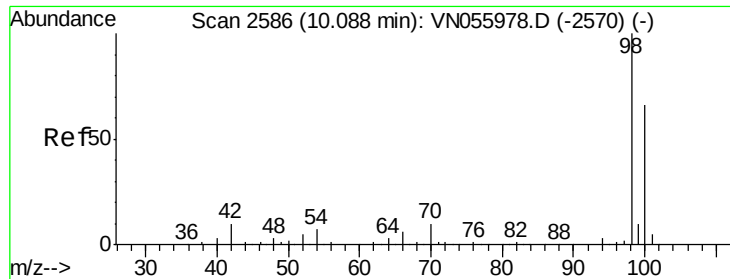
95 93.2 0.0 188.0



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: 55.144 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056193.D

Acq: 11 Jun 2019 2:15

Instrument :

MSVOA_N

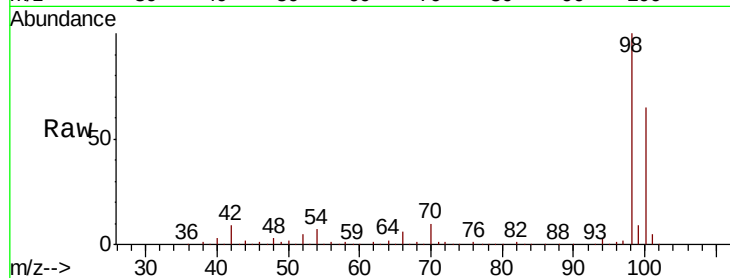
ClientSampleId :

Tot Ion: 98 Resp: 587651

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

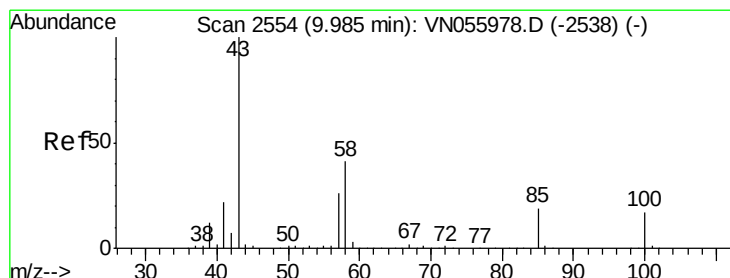
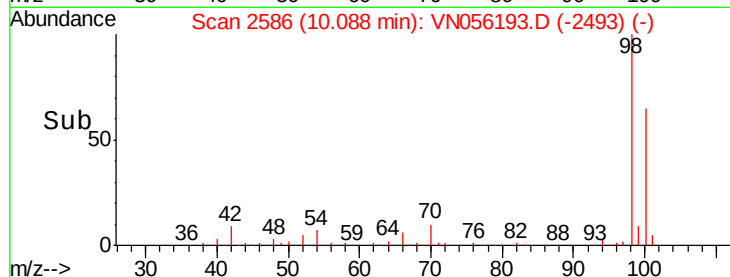
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.657 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.10 min

Lab File: VN056193.D

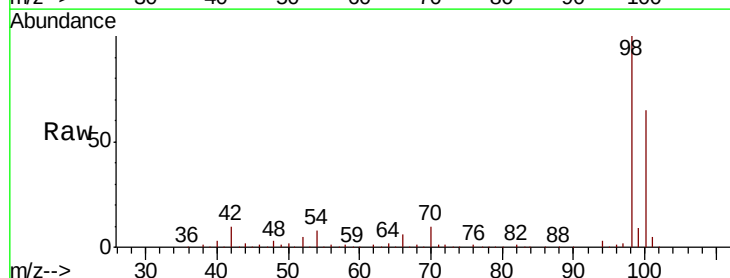
Acq: 11 Jun 2019 2:15

Tgt Ion: 43 Resp: 2298

Ion Ratio Lower Upper

43 100

58 173.3 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

2500

2000

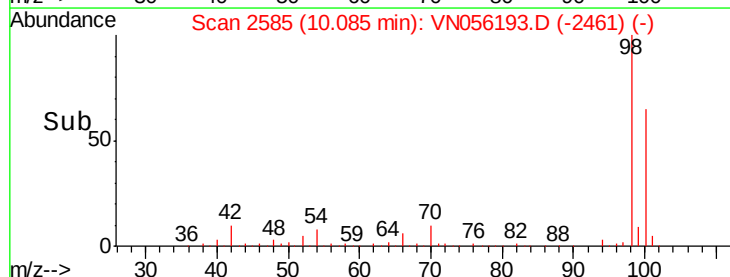
1500

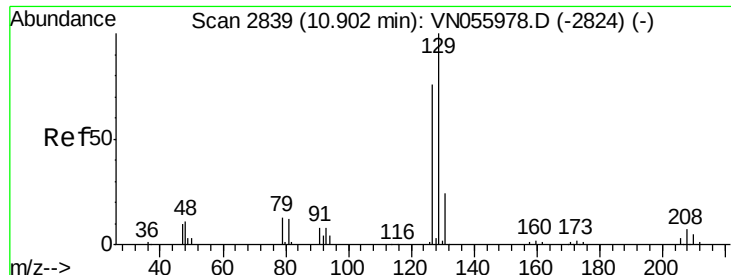
1000

500

0

Time-->

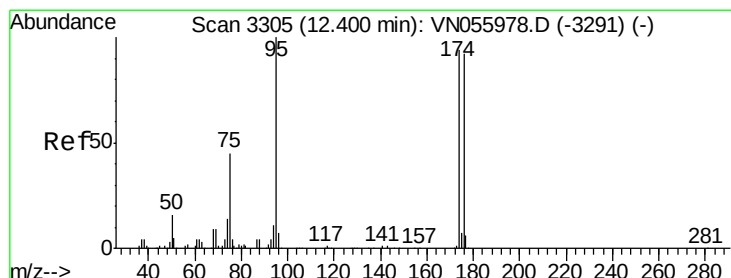
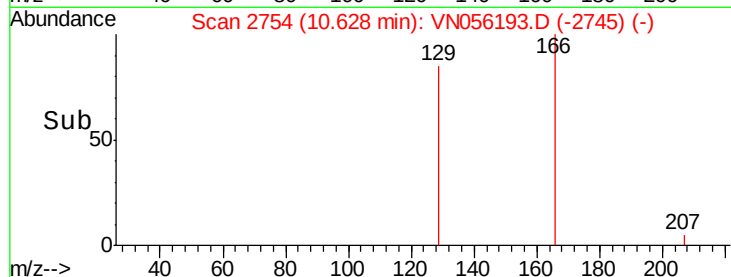
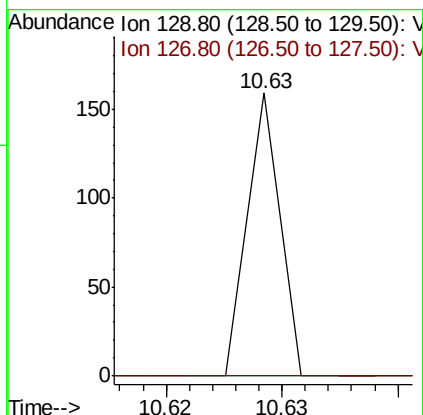
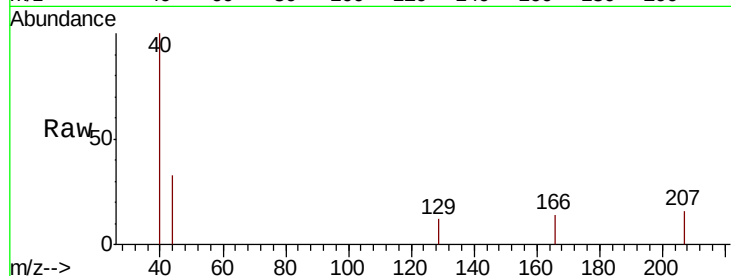




#60
Dibromochloromethane
Concen: 2.461 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN056193.D
Acq: 11 Jun 2019 2:15

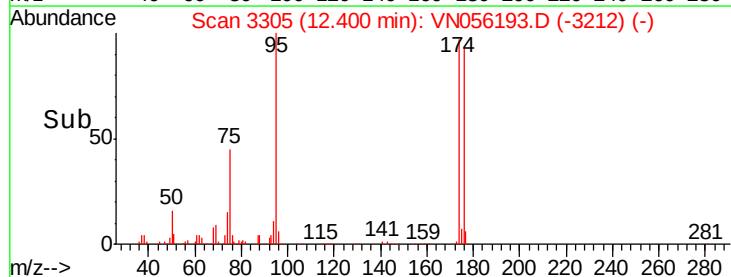
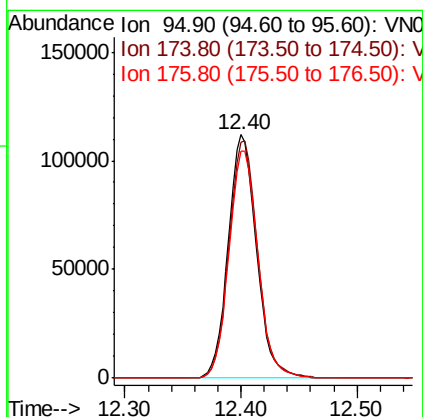
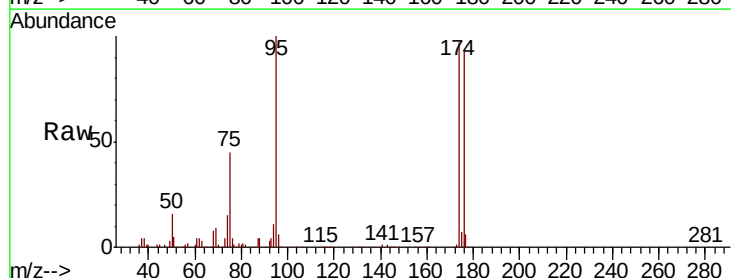
Instrument :
MSVOA_N
ClientSampleId :

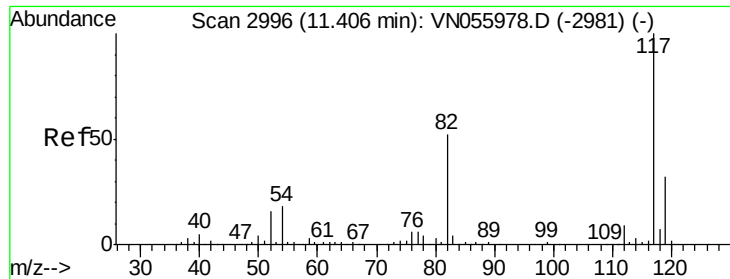
Tot Ion:129 Resp: 31
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.3#



#62
4-Bromofluorobenzene
Concen: 51.960 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056193.D
Acq: 11 Jun 2019 2:15

Tgt Ion: 95 Resp: 188306
Ion Ratio Lower Upper
95 100
174 99.1 0.0 191.0
176 95.6 0.0 185.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056193.D

Acq: 11 Jun 2019 2:15

Instrument :

MSVOA_N

ClientSampleId :

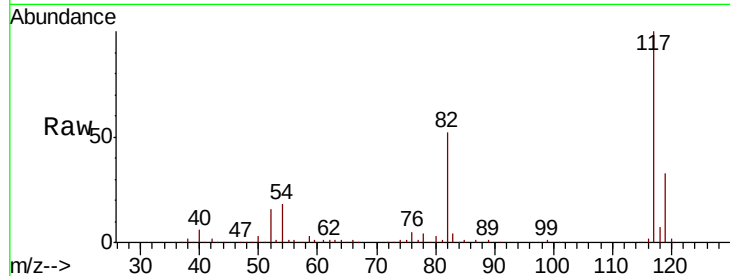
Tot Ion:117 Resp: 444567

Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

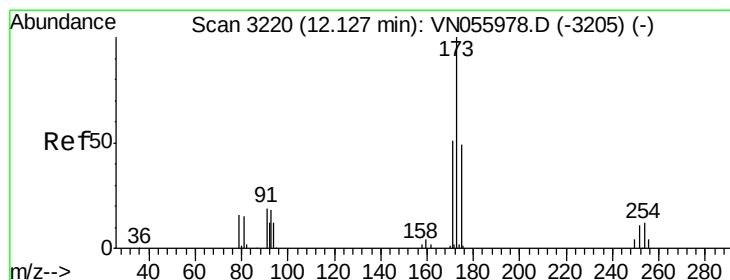
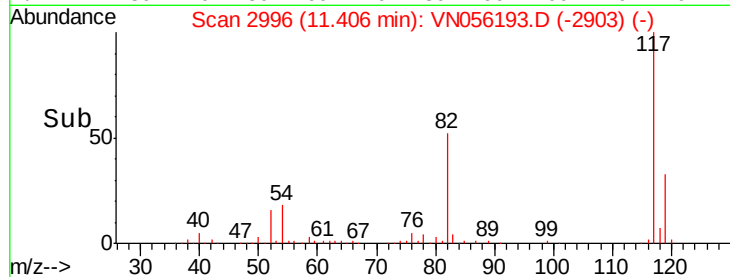
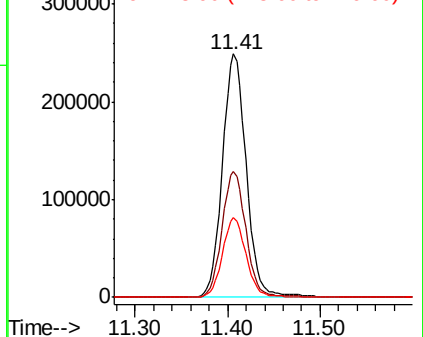
119 32.6 25.4 38.0



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: 3.020 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056193.D

Acq: 11 Jun 2019 2:15

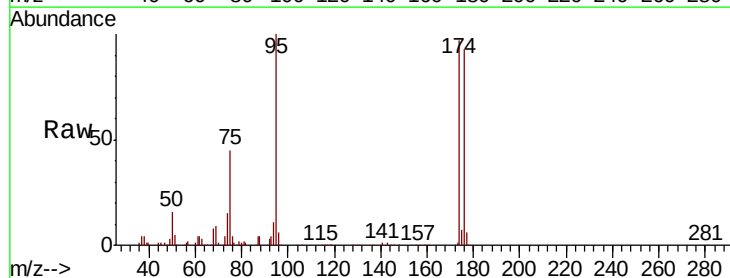
Tgt Ion:173 Resp: 755

Ion Ratio Lower Upper

173 100

175 1529.8 24.3 72.8#

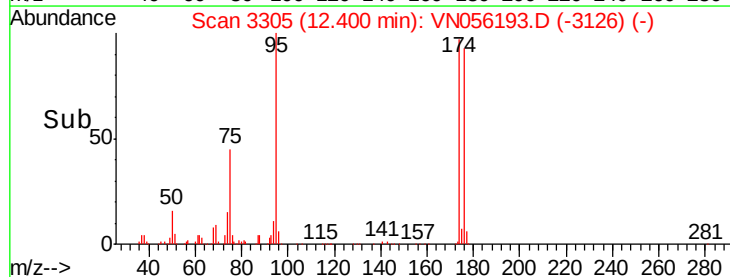
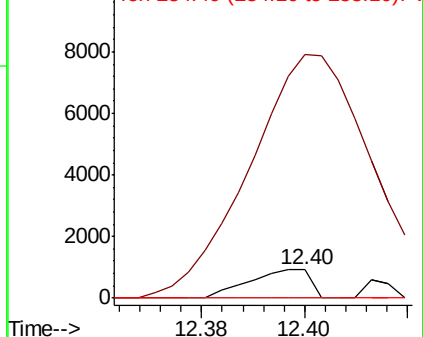
254 0.0 0.0 0.0

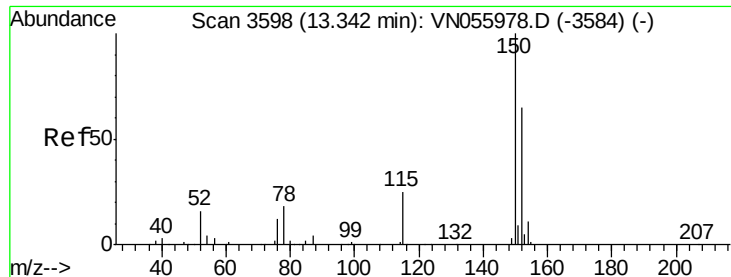


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



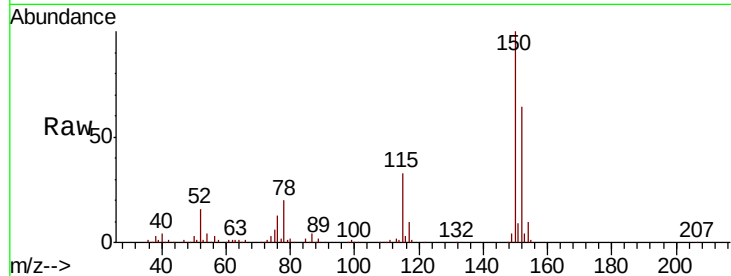


#72

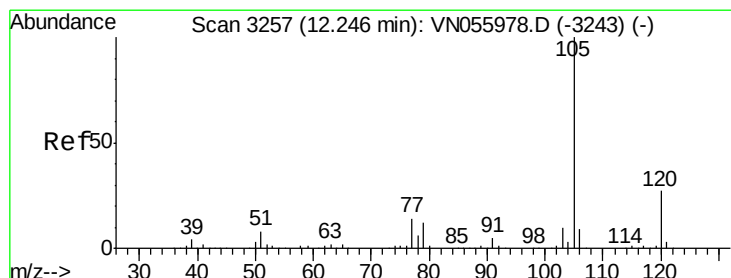
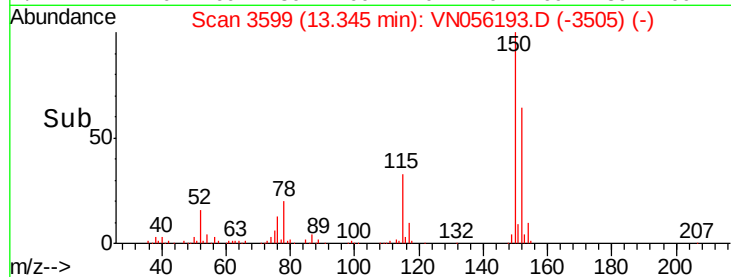
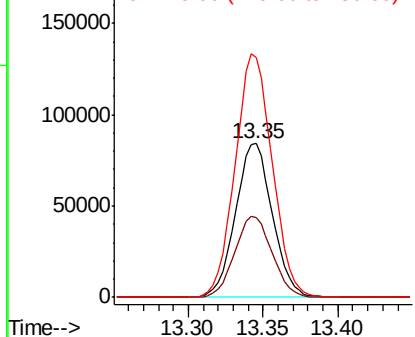
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN056193.D
Acq: 11 Jun 2019 2:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 144665
Ion Ratio Lower Upper
152 100
115 53.4 27.0 81.0
150 159.0 0.0 343.2



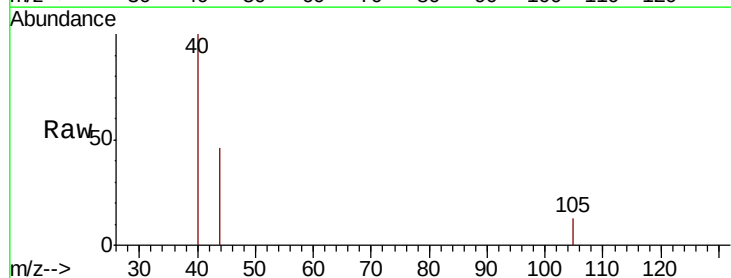
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



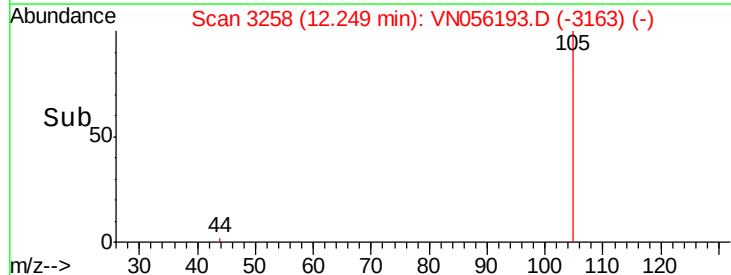
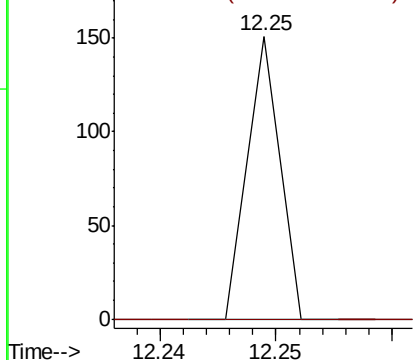
#73

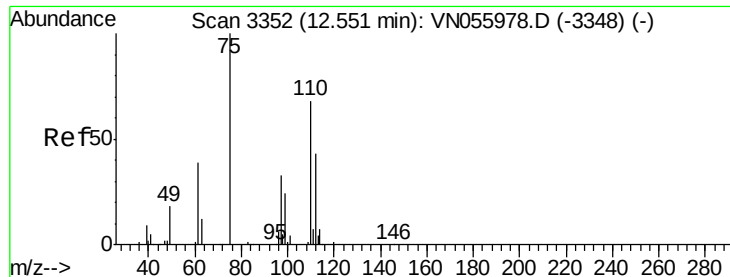
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056193.D
Acq: 11 Jun 2019 2:15

Tgt Ion:105 Resp: 29
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: 32.707 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056193.D

Acq: 11 Jun 2019 2:15

Instrument :

MSVOA_N

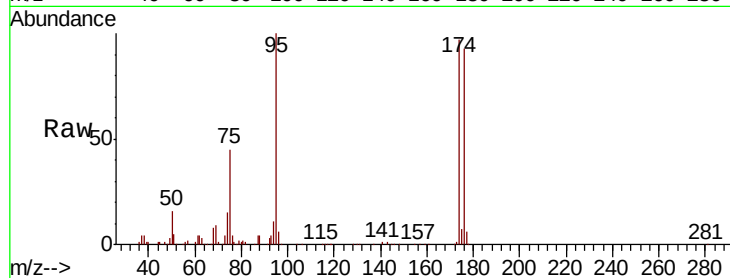
ClientSampled :

Tot Ion: 75 Resp: 87062

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

50000

40000

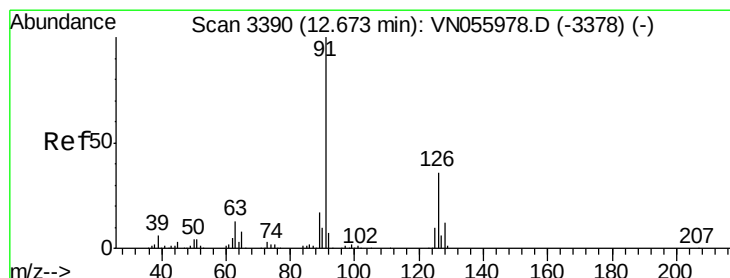
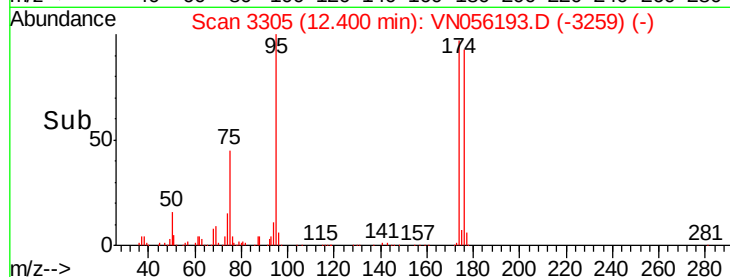
30000

20000

10000

0

Time--> 12.30 12.40 12.50



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN056193.D

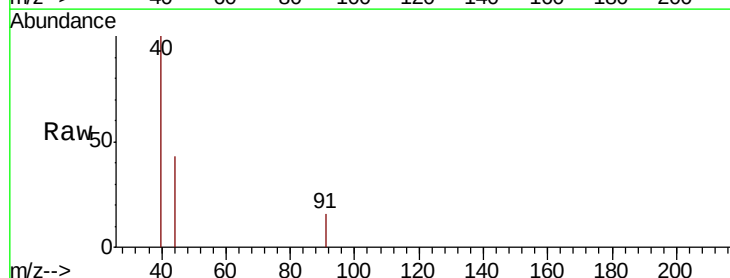
Acq: 11 Jun 2019 2:15

Tgt Ion: 91 Resp: 112

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

12.59

250

200

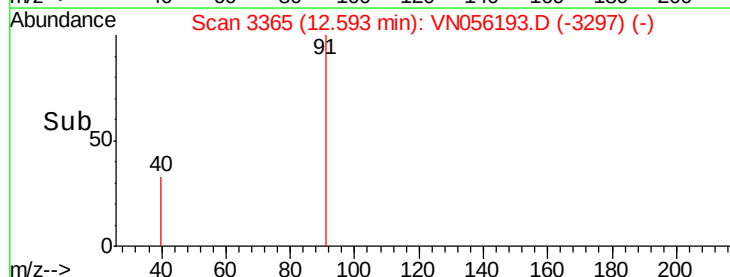
150

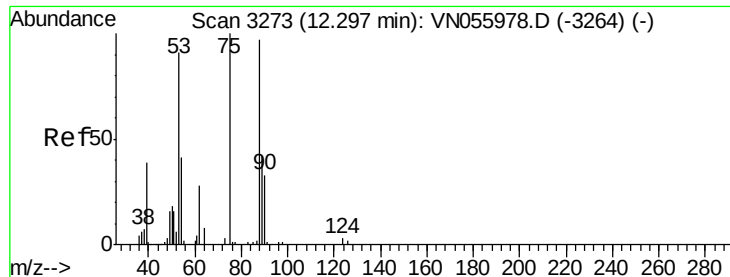
100

50

0

Time--> 12.58 12.59 12.60





#81

trans-1,4-Dichloro-2-butene

Concen: 108.920 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056193.D

Acq: 11 Jun 2019 2:15

Instrument :

MSVOA_N

ClientSampleId :

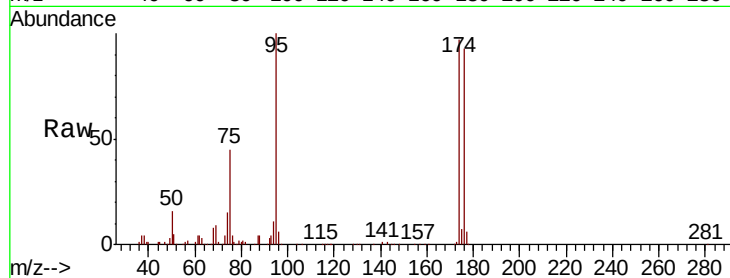
Tot Ion: 75 Resp: 87062

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

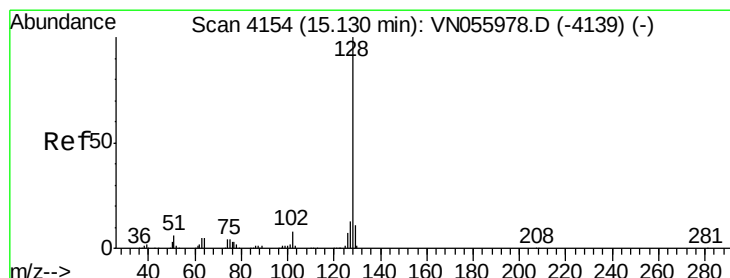
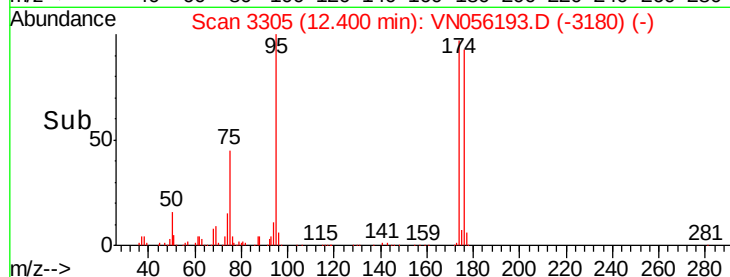
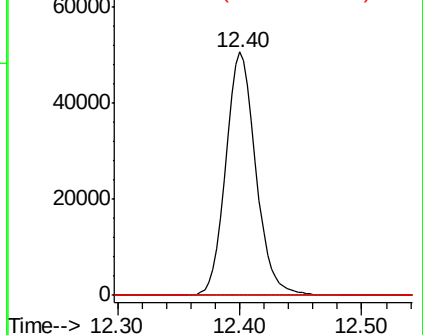
89 0.0 36.9 55.3#



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: 4.138 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056193.D

Acq: 11 Jun 2019 2:15

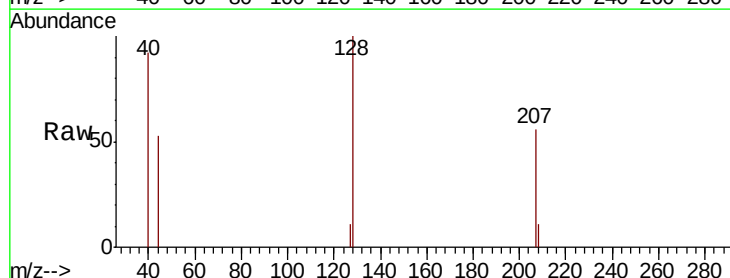
Tgt Ion: 128 Resp: 2153

Ion Ratio Lower Upper

128 100

127 1.4 10.3 15.5#

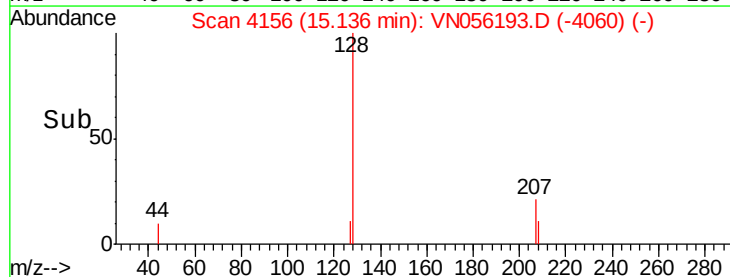
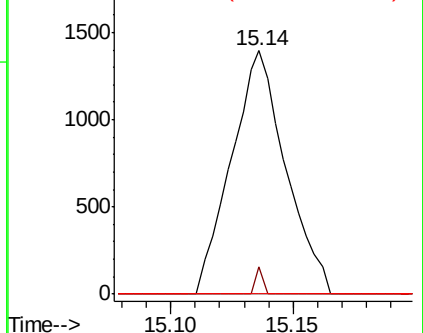
129 0.0 8.7 13.1#

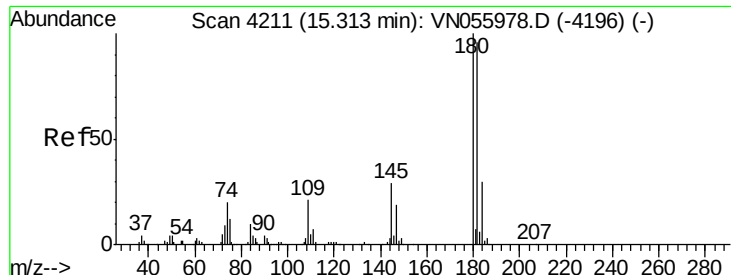


Abundance Ion 128.00 (127.70 to 128.70): VN055978.D (-4139) (-)

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

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

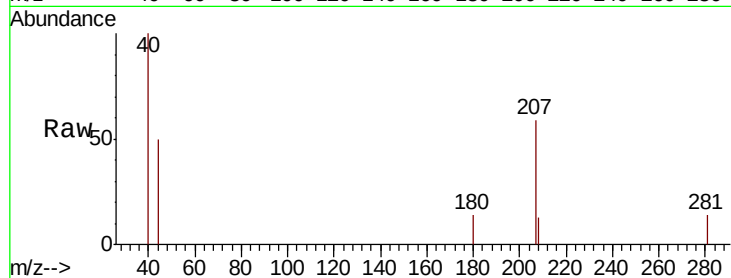




#96
 1,2,3-Trichlorobenzene
 Concen: 3.063 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056193.D
 Acq: 11 Jun 2019 2:15

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.7#
145	0.0	14.9	44.7#



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

