

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056171.D
 Acq On : 10 Jun 2019 15:47
 Operator : JC/SP
 Sample : K3280-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 02:20:41 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

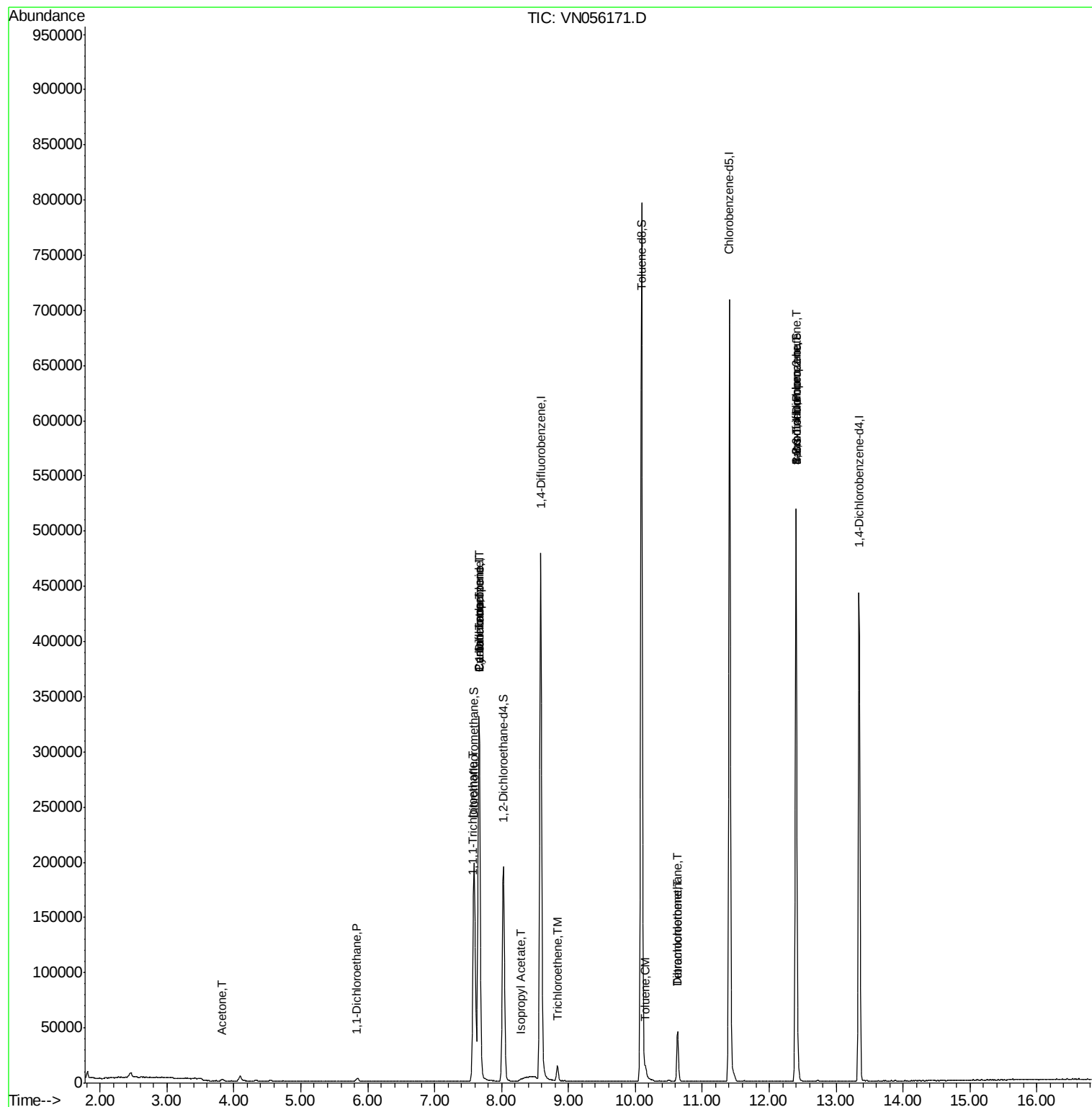
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	314621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	472685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	460998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140478	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	164766	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	7.59	113	151049	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
50) Toluene-d8	10.09	98	600409	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
62) 4-Bromofluorobenzene	12.40	95	186425	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	3331	2.229	ug/l	93
24) 1,1-Dichloroethane	5.85	63	5587	1.123	ug/l #	83
31) Cyclohexane	7.66	56	4292	0.866	ug/l #	1
32) 1,1,1-Trichloroethane	7.57	97	2964	0.709	ug/l #	47
36) 1,1-Dichloropropene	7.66	75	18224	4.484	ug/l #	47
38) Carbon Tetrachloride	7.67	117	24802	6.619	ug/l #	15
43) Isopropyl Acetate	8.28	43	1559	0.266	ug/l #	53
44) Trichloroethene	8.83	130	6045	1.704	ug/l	96
52) Toluene	10.15	92	2886	0.376	ug/l	96
60) Dibromochloromethane	10.63	129	9725	5.208	ug/l #	11
64) Tetrachloroethene	10.63	164	12114	3.036	ug/l	97
71) Bromoform	12.40	173	1377	3.231	ug/l #	1
73) Isopropylbenzene	12.41	105	171	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	85591	33.112	ug/l #	100
79) 2-Chlorotoluene	12.40	91	423	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	85591	110.271	ug/l #	15

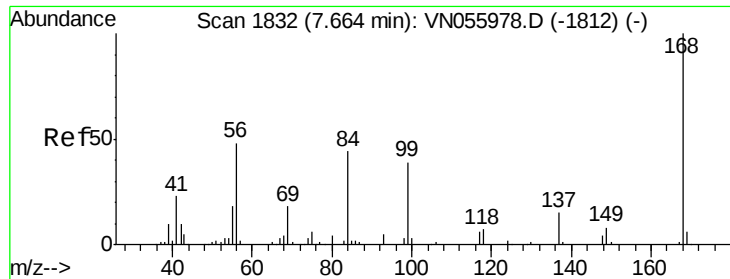
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056171.D

Acq: 10 Jun 2019 15:47

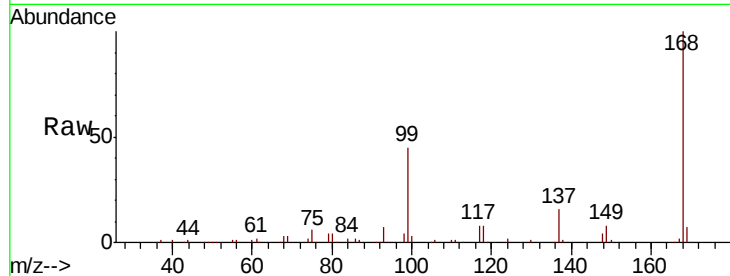
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 314621

Ion Ratio Lower Upper

168 100

99 45.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

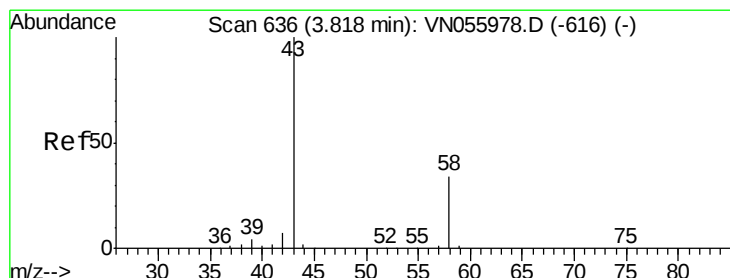
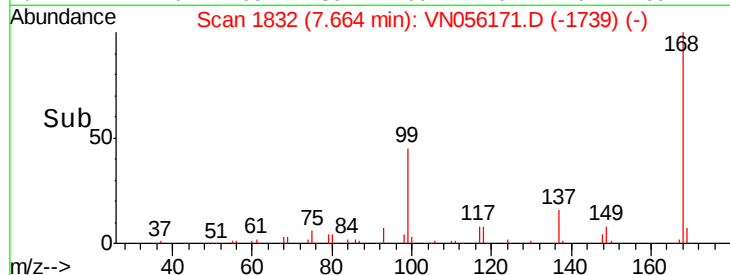
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 2.229 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056171.D

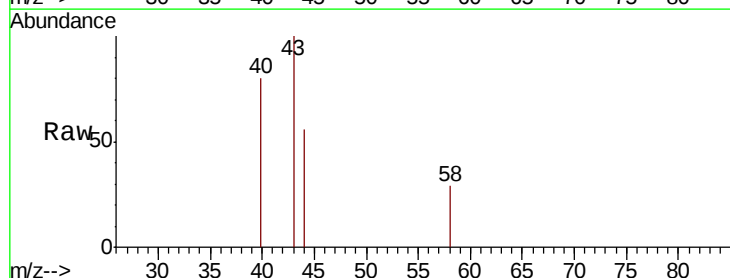
Acq: 10 Jun 2019 15:47

Tgt Ion: 43 Resp: 3331

Ion Ratio Lower Upper

43 100

58 29.0 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

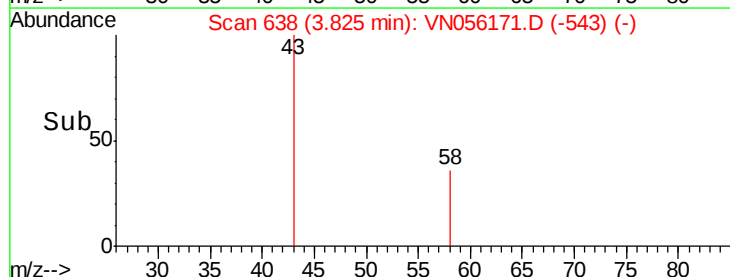
1500

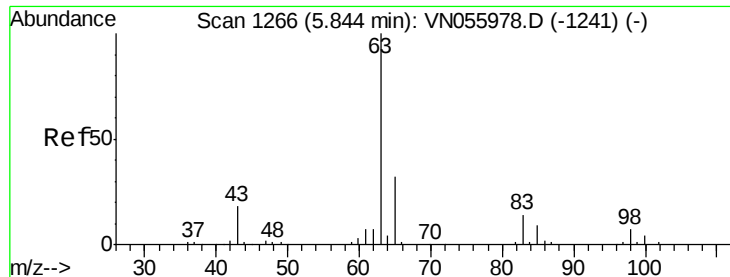
1000

500

0

Time--> 3.75 3.80 3.85 3.90

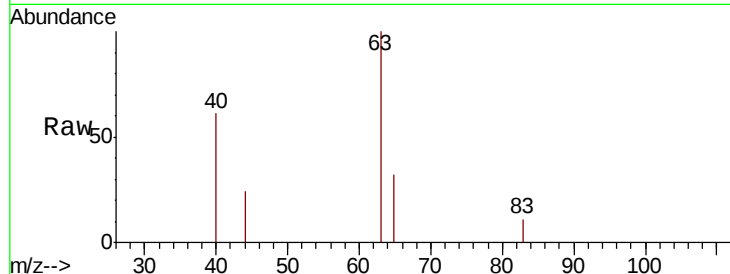




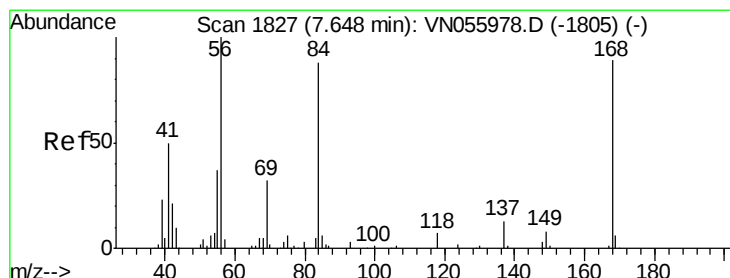
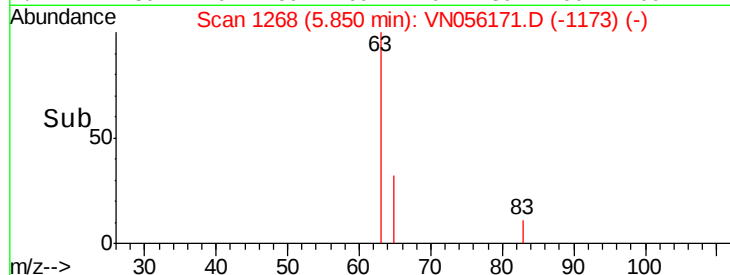
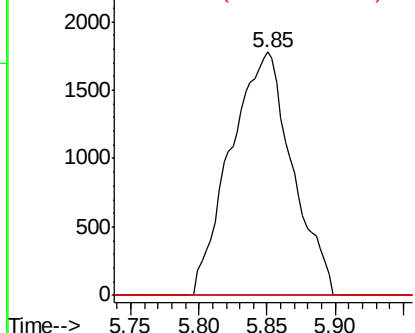
#24
 1,1-Dichloroethane
 Concen: 1.123 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VN056171.D
 Acq: 10 Jun 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 5587
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.1#
 100 0.0 2.2 6.6#

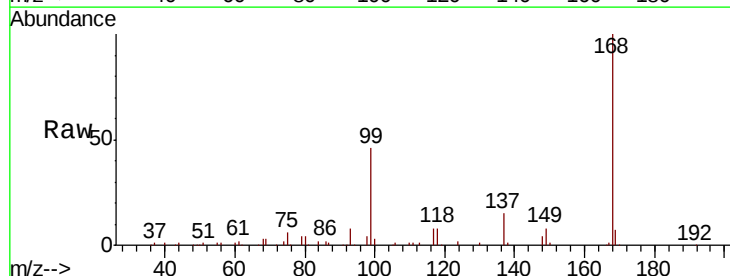


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0
 Ion 99.90 (99.60 to 100.60): VN0

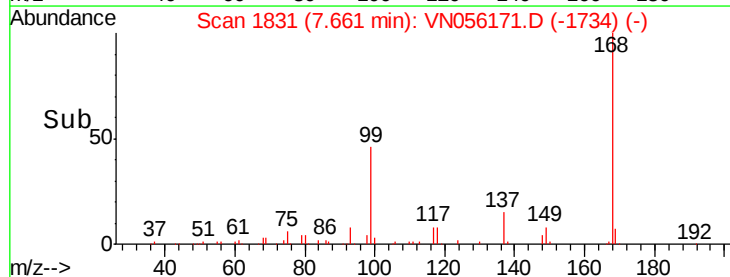
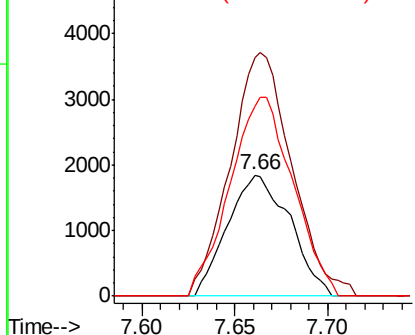


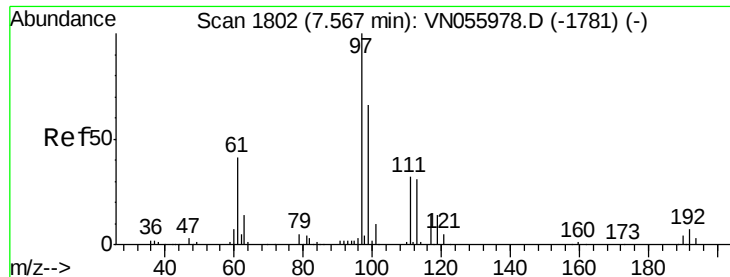
#31
 Cyclohexane
 Concen: 0.866 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. 0.01 min
 Lab File: VN056171.D
 Acq: 10 Jun 2019 15:47

Tgt Ion: 56 Resp: 4292
 Ion Ratio Lower Upper
 56 100
 69 197.7 25.6 38.4#
 84 157.5 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





#32

1,1,1-Trichloroethane

Concen: 0.709 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056171.D

Acq: 10 Jun 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

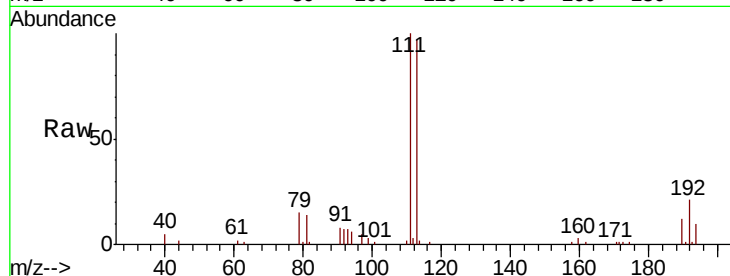
Tot Ion: 97 Resp: 2964

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

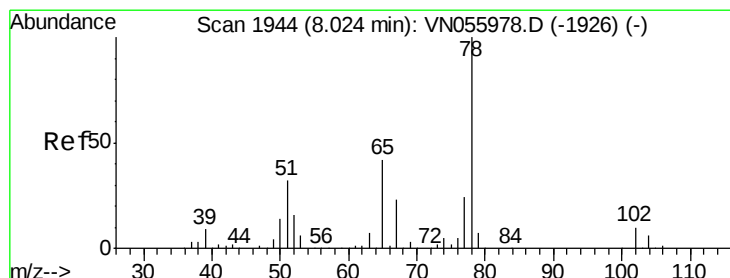
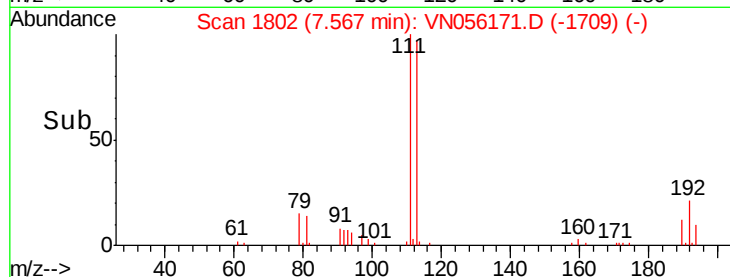
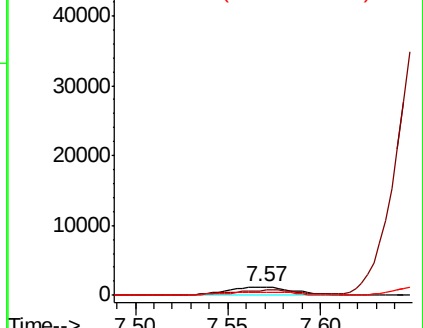
61 37.0 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.743 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056171.D

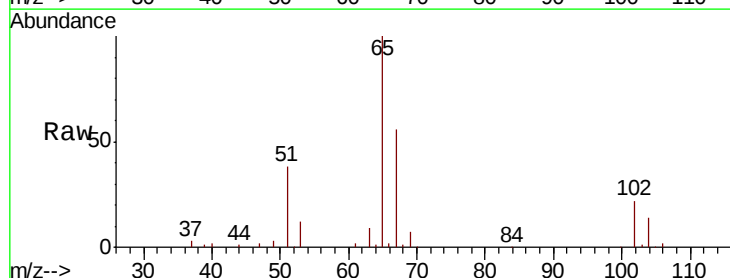
Acq: 10 Jun 2019 15:47

Tgt Ion: 65 Resp: 164766

Ion Ratio Lower Upper

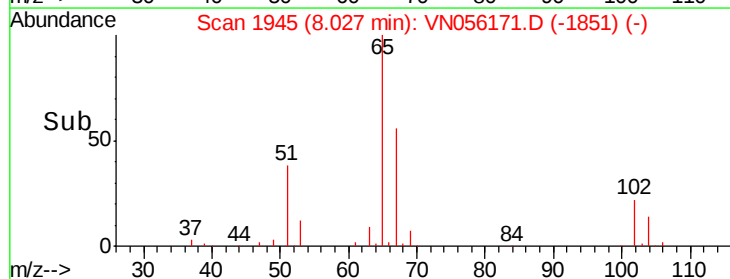
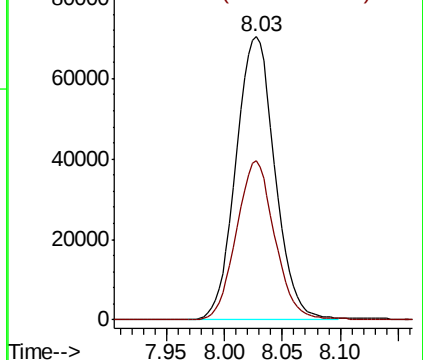
65 100

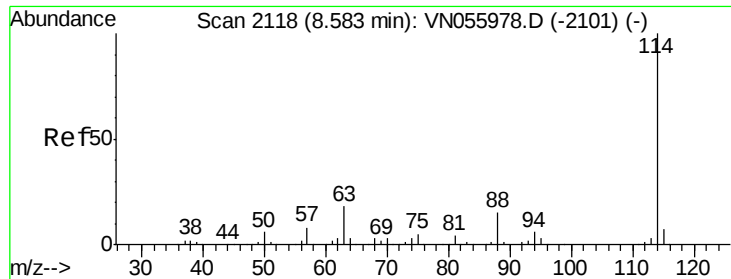
67 55.4 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

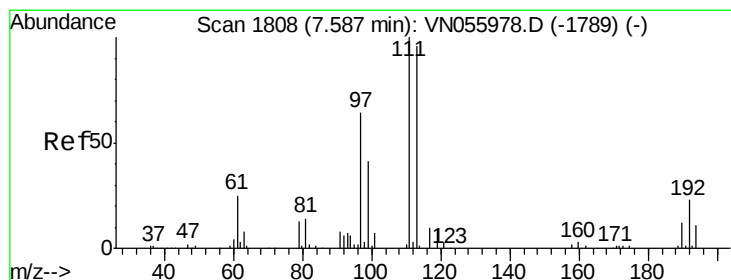
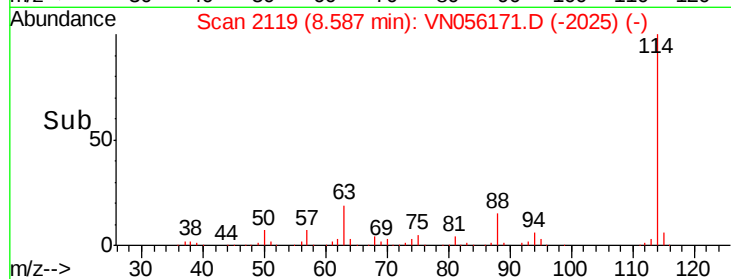
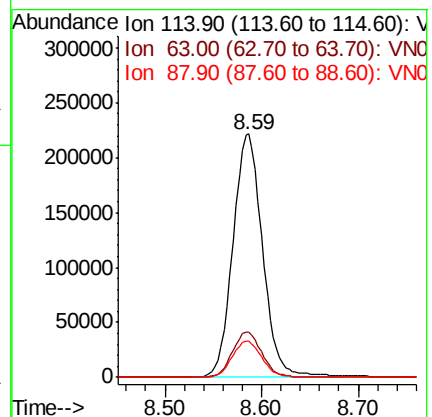
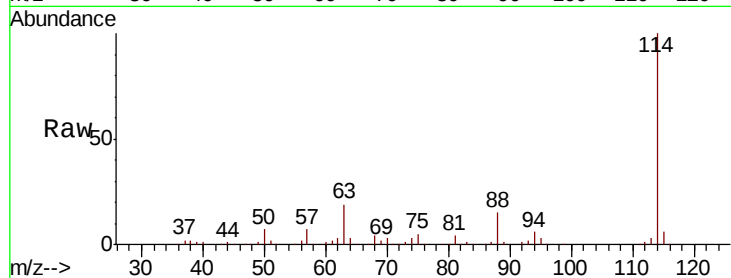




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056171.D
Acq: 10 Jun 2019 15:47

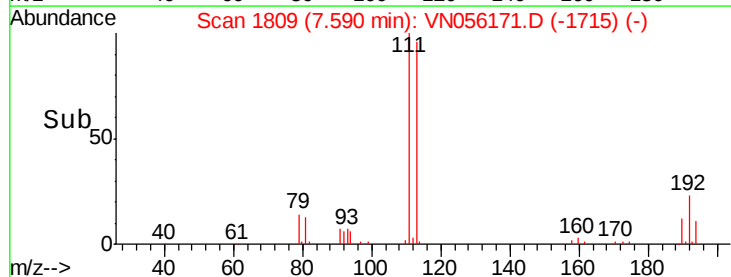
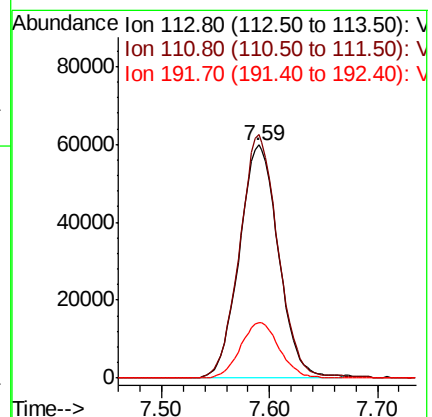
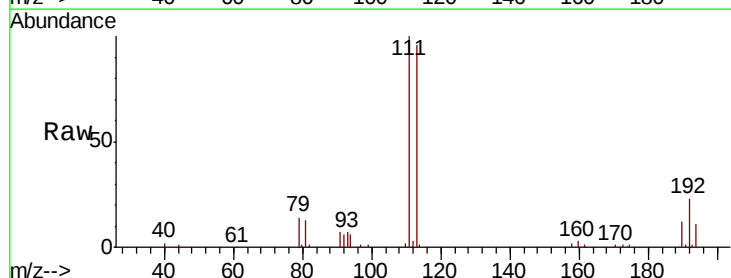
Instrument :
MSVOA_N
ClientSampleId :

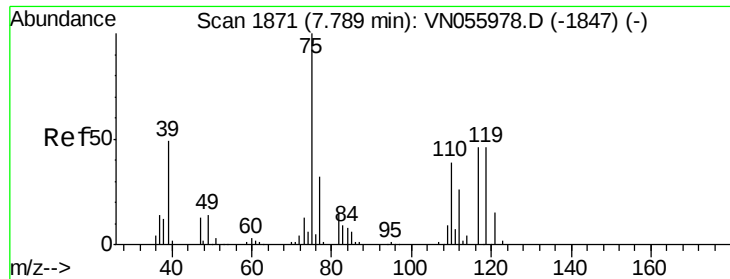
Tot Ion:114 Resp: 472685
Ion Ratio Lower Upper
114 100
63 18.7 0.0 39.2
88 14.7 0.0 31.0



#35
Dibromofluoromethane
Concen: 52.084 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056171.D
Acq: 10 Jun 2019 15:47

Tgt Ion:113 Resp: 151049
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 23.6 19.5 29.3

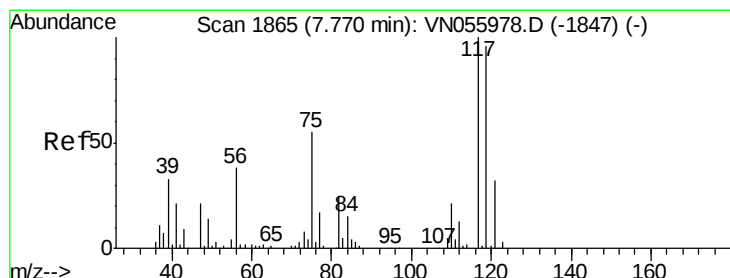
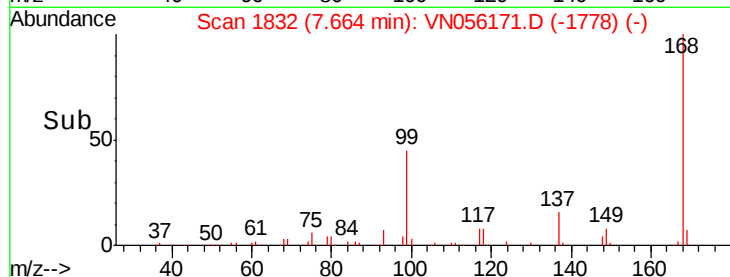
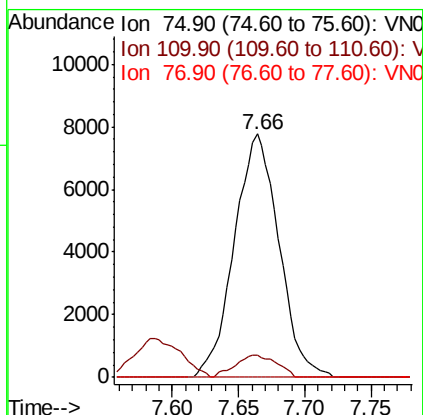
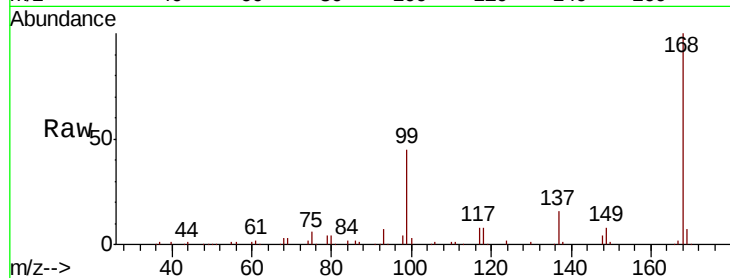




#36
 1,1-Dichloropropene
 Concen: 4.484 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056171.D
 Acq: 10 Jun 2019 15:47

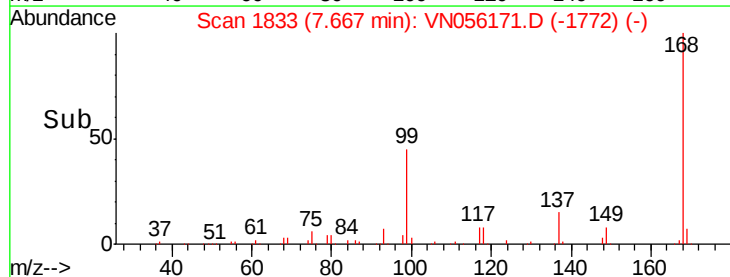
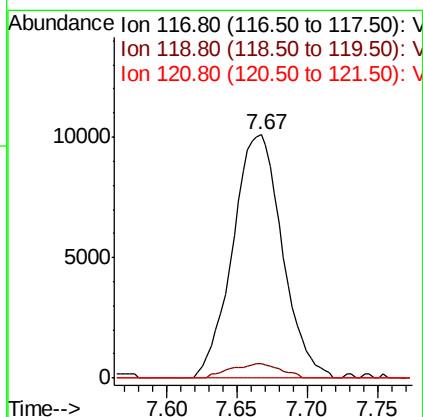
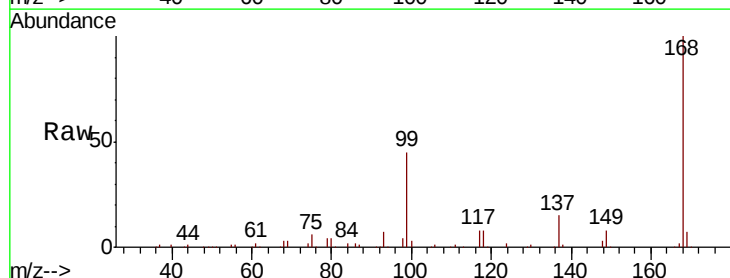
Instrument :
 MSVOA_N
 ClientSampled :

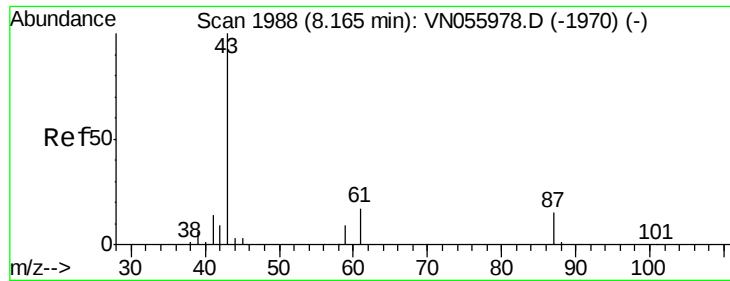
Tot Ion: 75 Resp: 18224
 Ion Ratio Lower Upper
 75 100
 110 8.5 19.0 57.0#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.619 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN056171.D
 Acq: 10 Jun 2019 15:47

Tgt Ion: 117 Resp: 24802
 Ion Ratio Lower Upper
 117 100
 119 5.9 79.0 118.6#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 0.266 ug/l

RT: 8.28 min Scan# 2024

Delta R.T. 0.12 min

Lab File: VN056171.D

Acq: 10 Jun 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

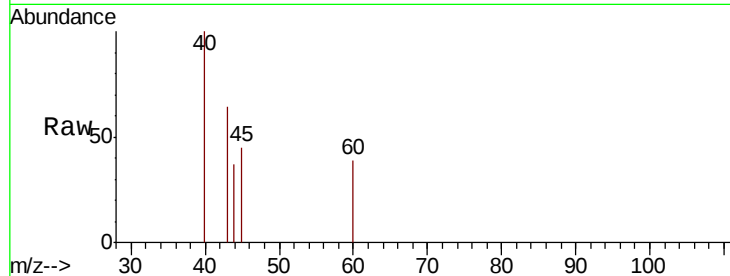
Tot Ion: 43 Resp: 1559

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

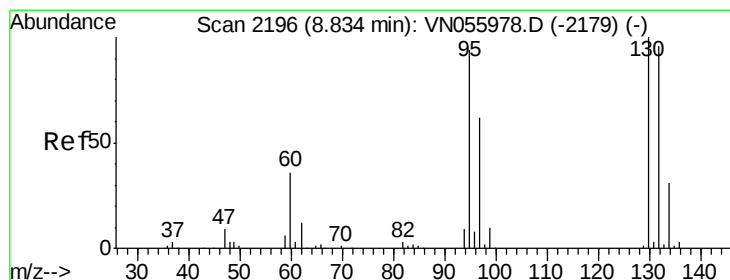
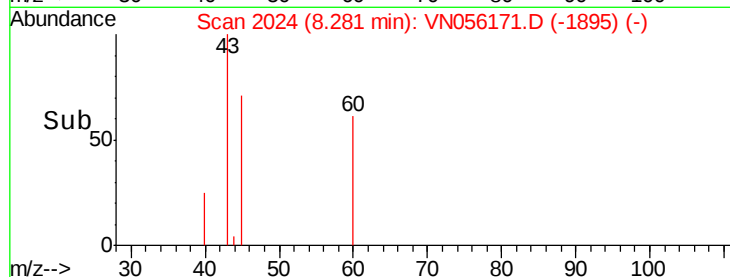
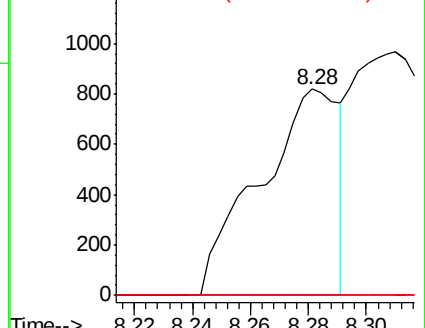
87 0.0 11.4 17.2#



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: 1.704 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056171.D

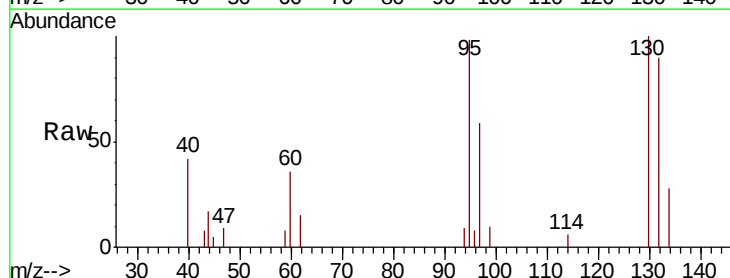
Acq: 10 Jun 2019 15:47

Tgt Ion: 130 Resp: 6045

Ion Ratio Lower Upper

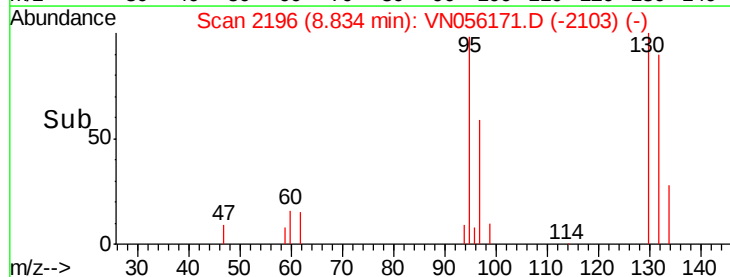
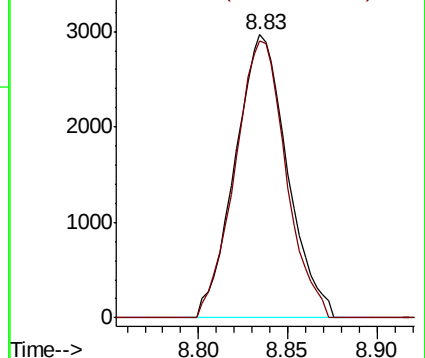
130 100

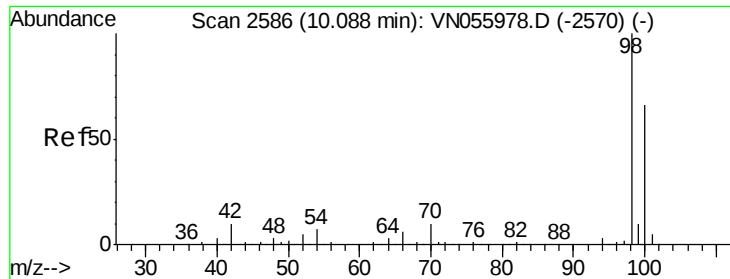
95 98.0 0.0 188.0



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: 53.802 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056171.D

Acq: 10 Jun 2019 15:47

Instrument :

MSVOA_N

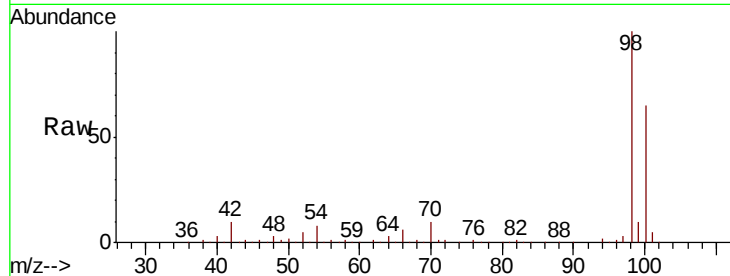
ClientSampleId :

Tot Ion: 98 Resp: 600409

Ion Ratio Lower Upper

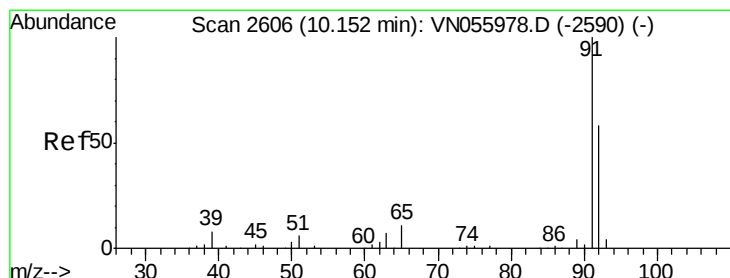
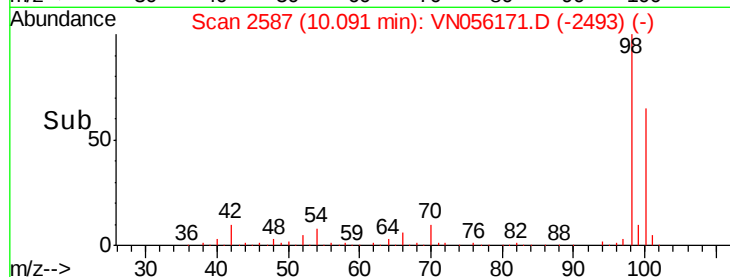
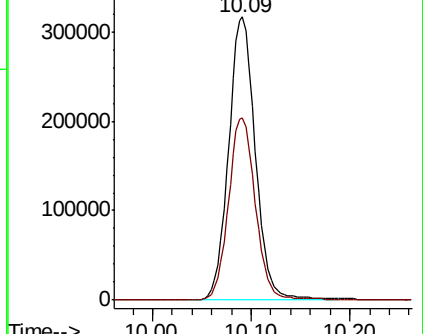
98 100

100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 0.376 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056171.D

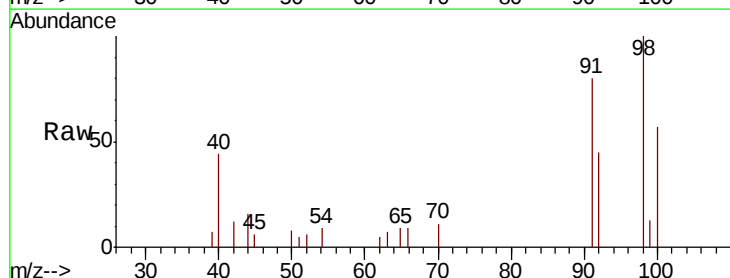
Acq: 10 Jun 2019 15:47

Tgt Ion: 92 Resp: 2886

Ion Ratio Lower Upper

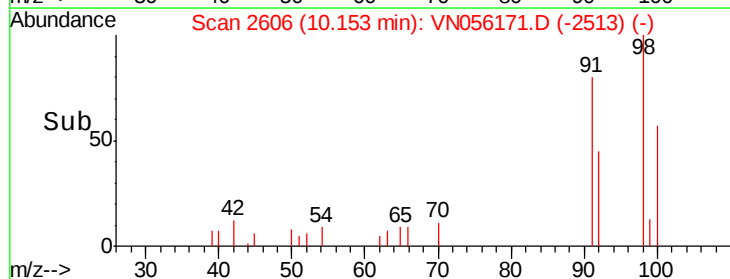
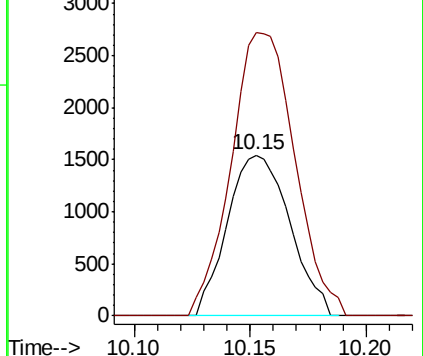
92 100

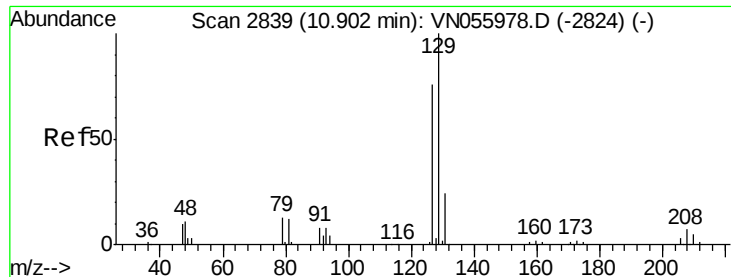
91 179.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

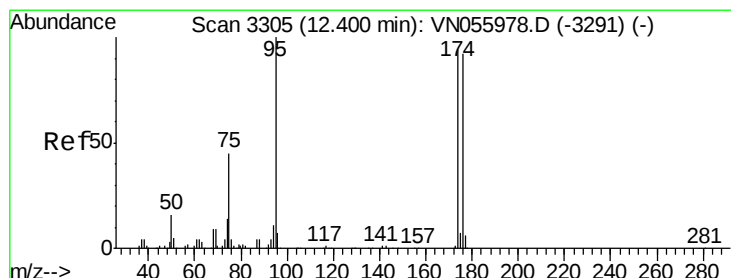
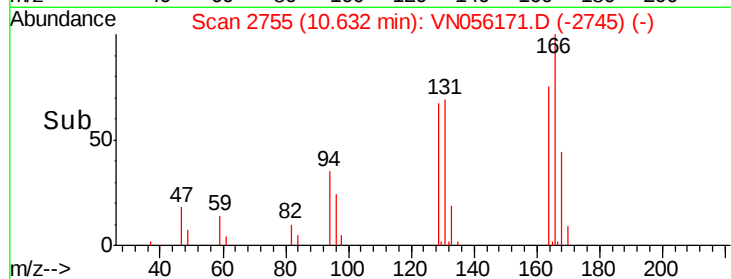
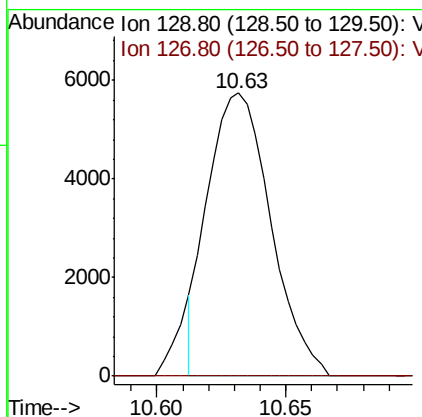
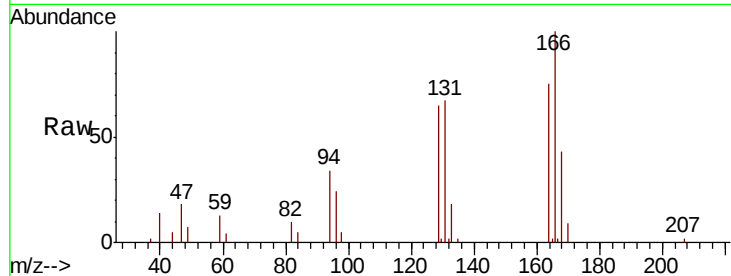




#60
 Dibromochloromethane
 Concen: 5.208 ug/l
 RT: 10.63 min Scan# 2755
 Delta R.T. -0.27 min
 Lab File: VN056171.D
 Acq: 10 Jun 2019 15:47

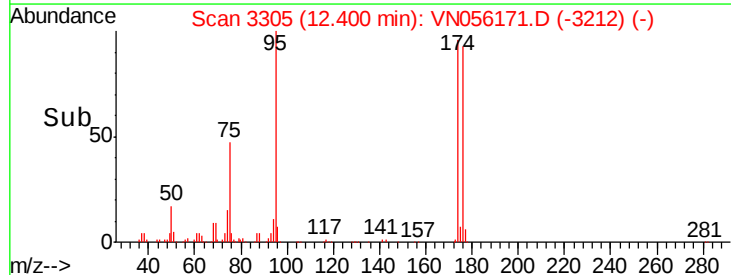
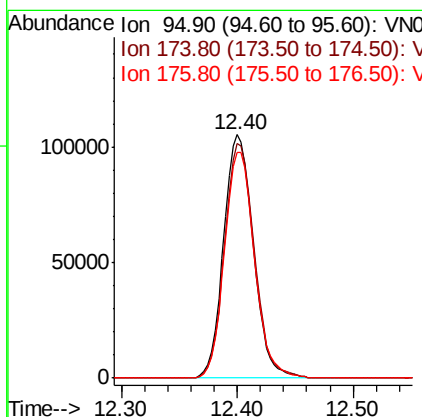
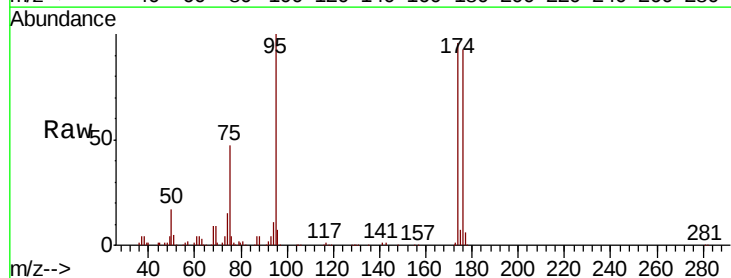
Instrument :
 MSVOA_N
 ClientSampleId :

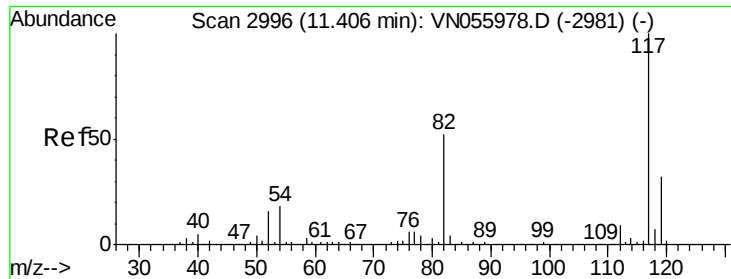
Tot Ion:129 Resp: 9725
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.1 114.3#



#62
 4-Bromofluorobenzene
 Concen: 49.123 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056171.D
 Acq: 10 Jun 2019 15:47

Tgt Ion: 95 Resp: 186425
 Ion Ratio Lower Upper
 95 100
 174 97.0 0.0 191.0
 176 93.5 0.0 185.2

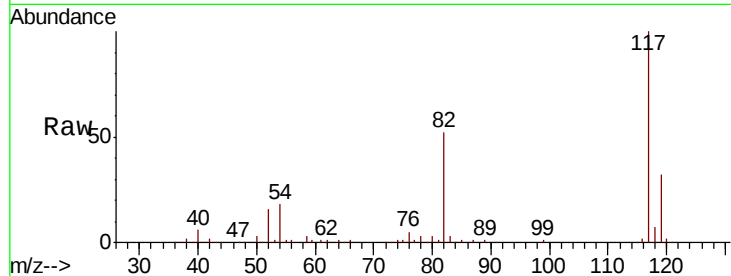




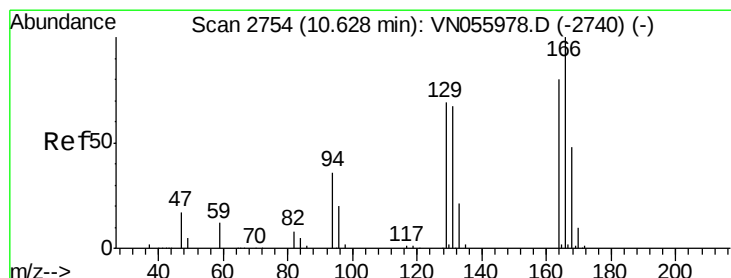
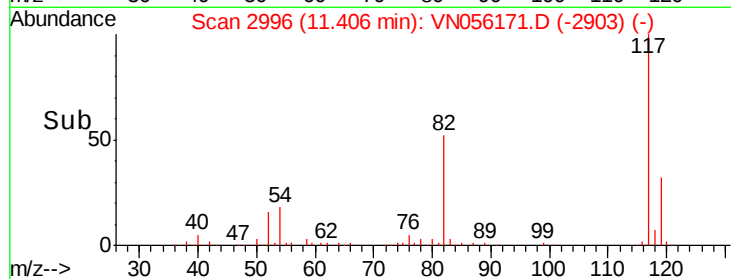
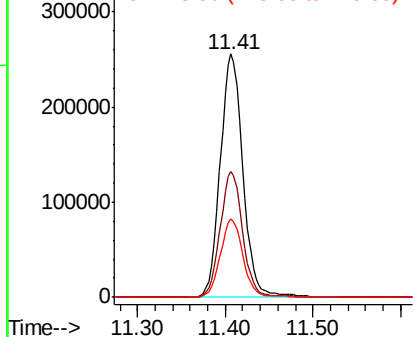
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056171.D
Acq: 10 Jun 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 460998
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 32.0 25.4 38.0

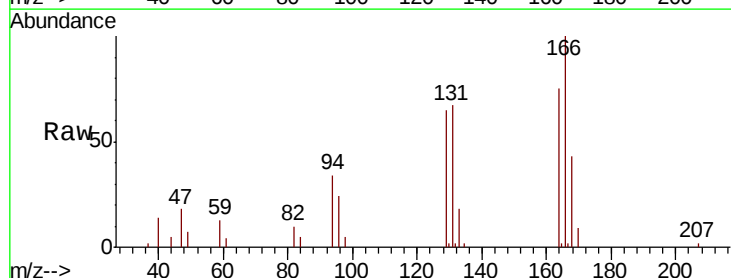


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

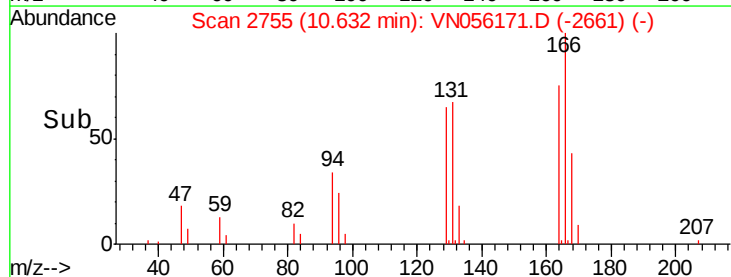
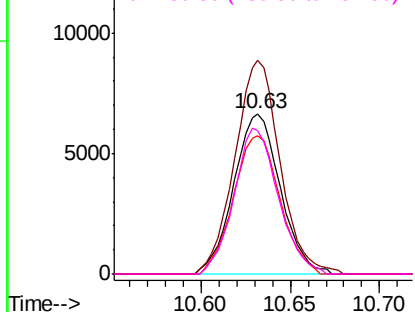


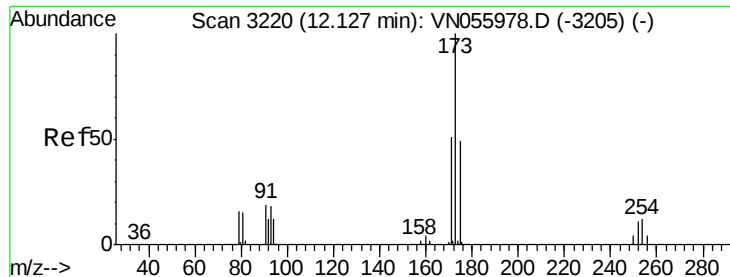
#64
Tetrachloroethene
Concen: 3.036 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056171.D
Acq: 10 Jun 2019 15:47

Tgt Ion:164 Resp: 12114
Ion Ratio Lower Upper
164 100
166 133.0 103.0 154.6
129 86.2 70.6 105.8
131 89.3 68.6 102.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 3.231 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056171.D

Acq: 10 Jun 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

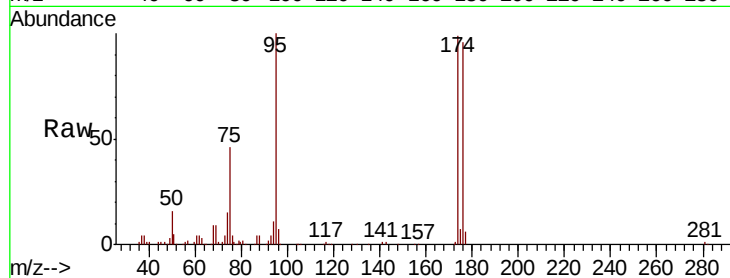
Tot Ion:173 Resp: 1377

Ion Ratio Lower Upper

173 100

175 801.1 24.3 72.8#

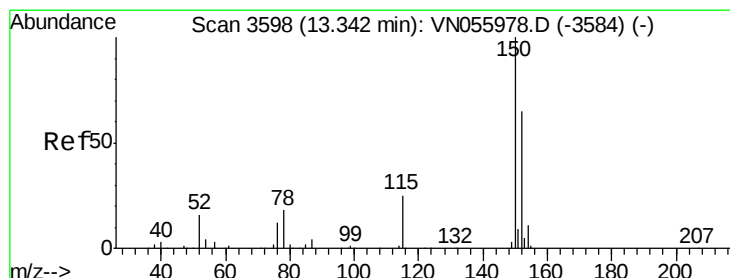
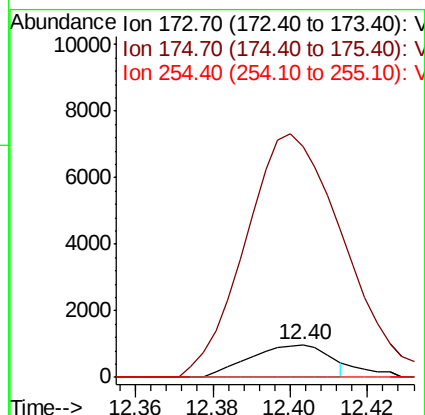
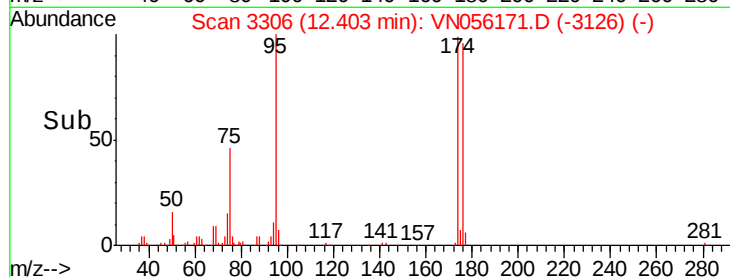
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056171.D

Acq: 10 Jun 2019 15:47

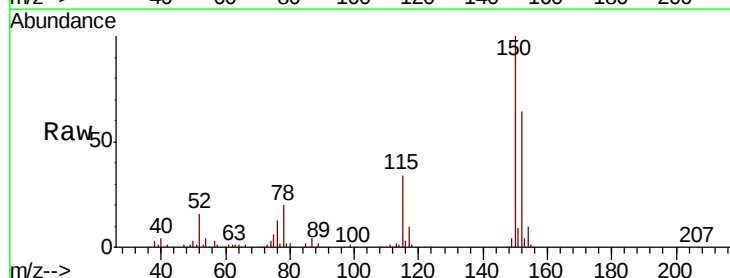
Tgt Ion:152 Resp: 140478

Ion Ratio Lower Upper

152 100

115 52.0 27.0 81.0

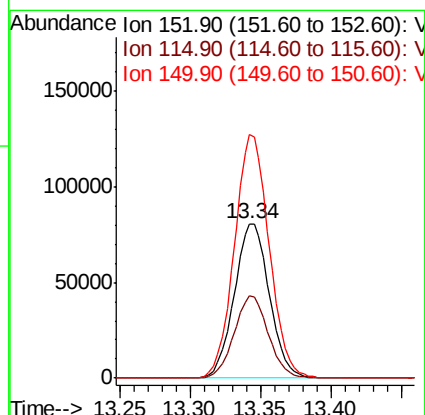
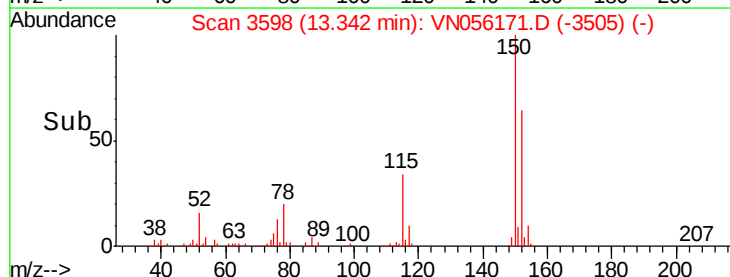
150 156.4 0.0 343.2

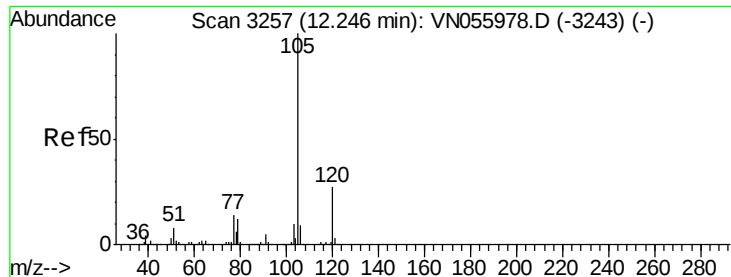


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. 0.16 min

Lab File: VN056171.D

Acq: 10 Jun 2019 15:47

Instrument :

MSVOA_N

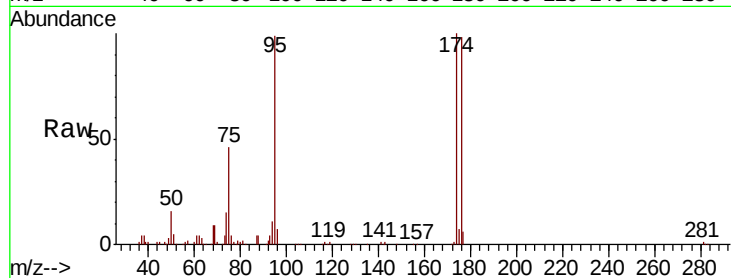
ClientSampled :

Tot Ion: 105 Resp: 171

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

12.41

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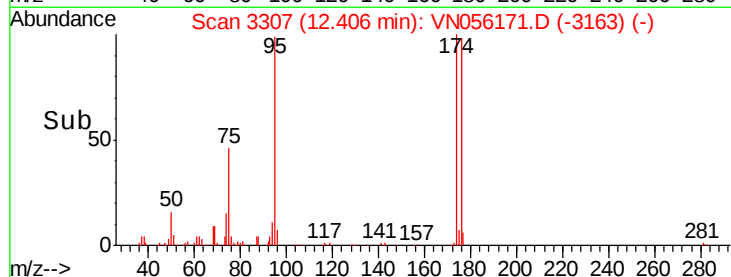
12.41

12.41

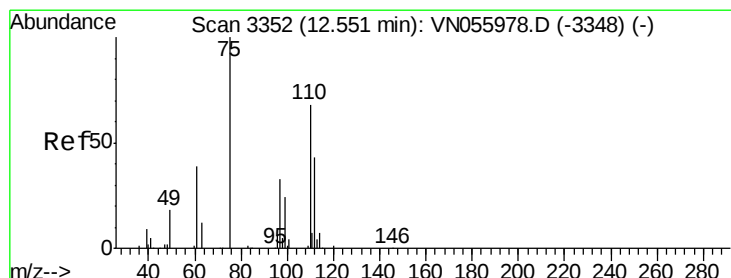
12.41

12.41

12.41



Time--> 12.38 12.40 12.42



#76

1,2,3-Trichloropropane

Concen: 33.112 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056171.D

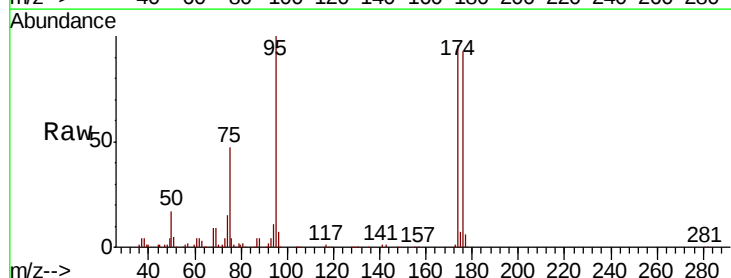
Acq: 10 Jun 2019 15:47

Tgt Ion: 75 Resp: 85591

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

12.40

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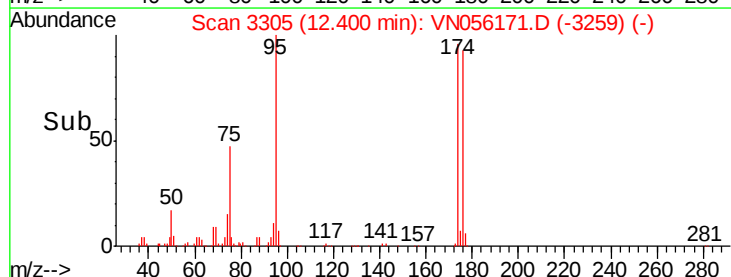
12.40

12.40

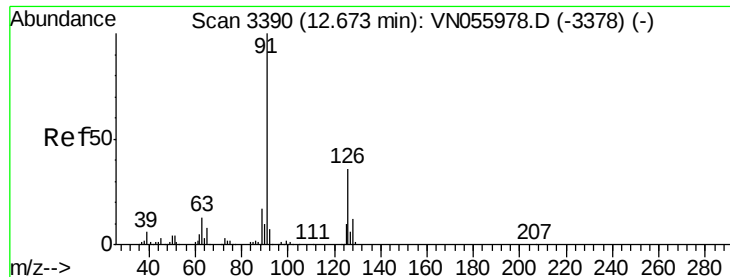
12.40

12.40

12.40



Time--> 12.30 12.40 12.50



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.28 min

Lab File: VN056171.D

Acq: 10 Jun 2019 15:47

Instrument :

MSVOA_N

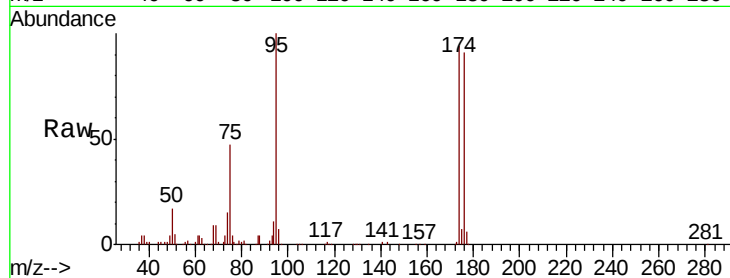
ClientSampleId :

Tot Ion: 91 Resp: 423

Ion Ratio Lower Upper

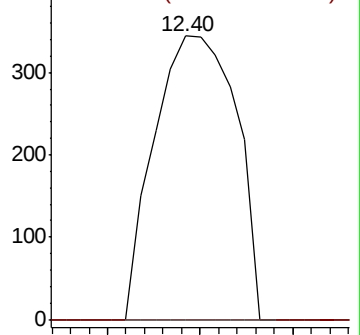
91 100

126 0.0 18.1 54.4#

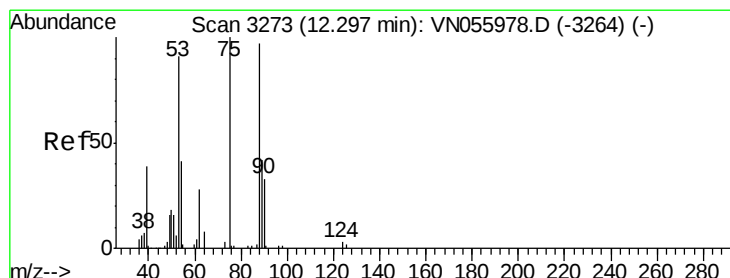
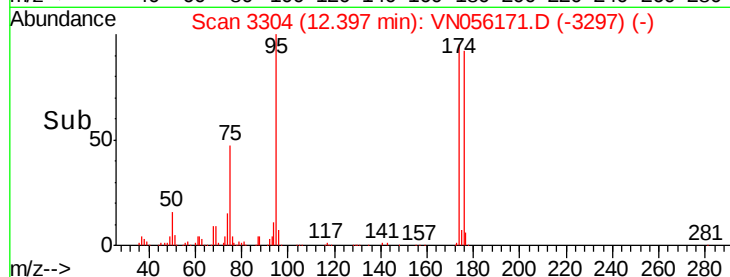


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 110.271 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056171.D

Acq: 10 Jun 2019 15:47

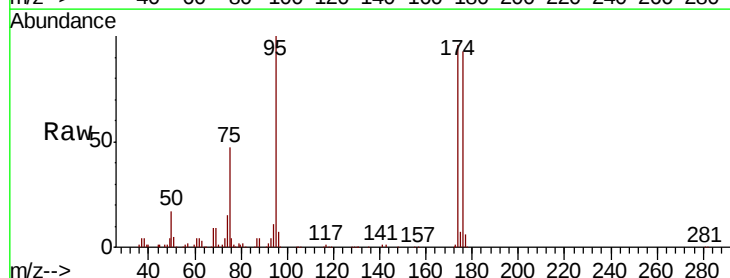
Tgt Ion: 75 Resp: 85591

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

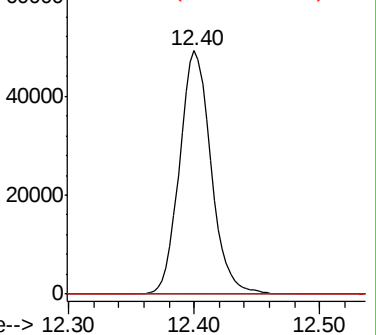
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->

