

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062519\
 Data File : VN056473.D
 Acq On : 25 Jun 2019 10:02
 Operator : JC/SP
 Sample : VN0625WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBL01

Quant Time: Jun 26 03:38:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	367277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	624886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	622408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	184633	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	211378	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
35) Dibromofluoromethane	7.59	113	184439	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
50) Toluene-d8	10.09	98	775317	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.40	95	252112	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	

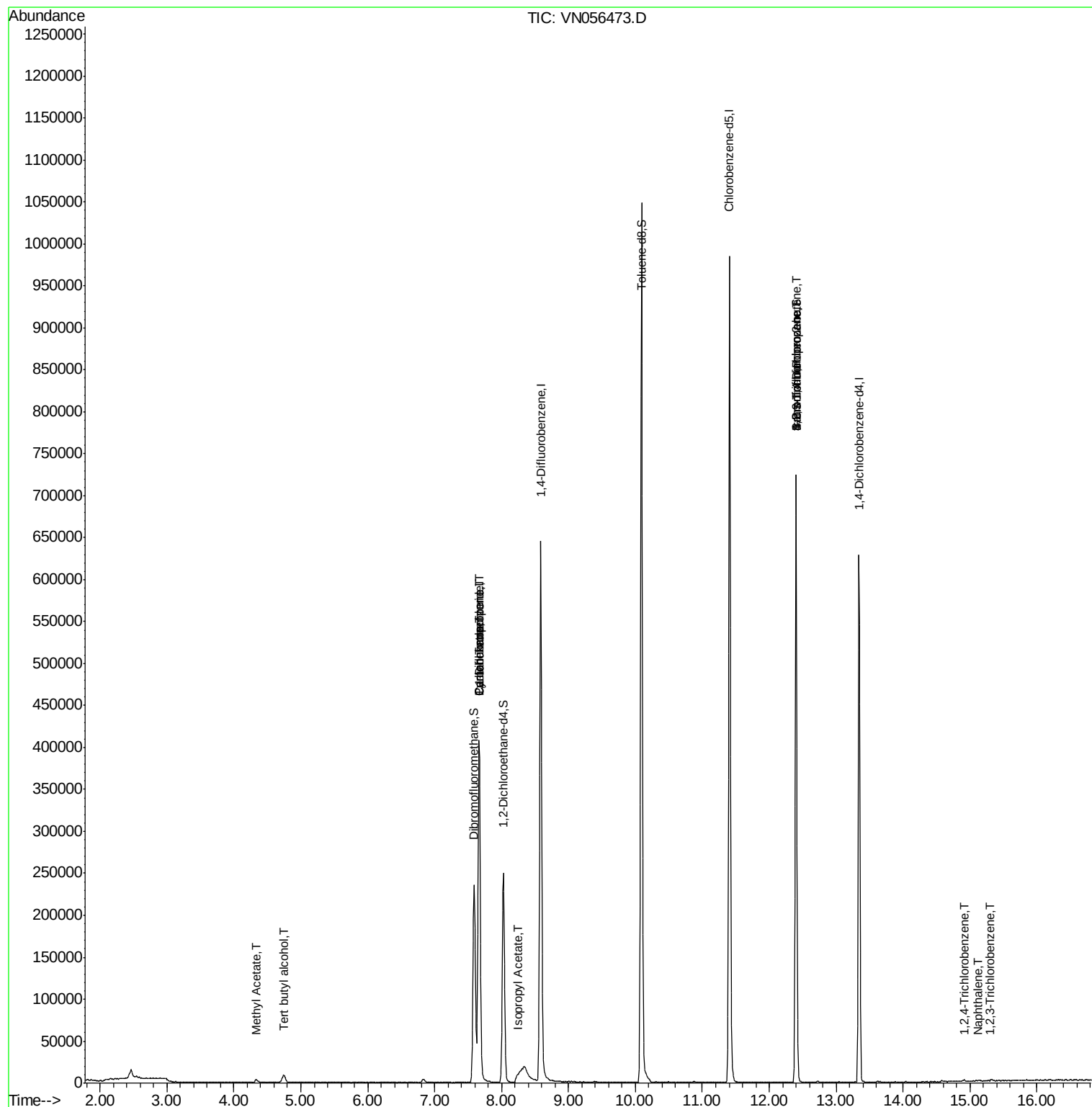
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	4096	5.974	ug/l #	74
18) Methyl Acetate	4.34	43	7556	1.042	ug/l #	86
20) Methylene Chloride	4.57	84	93	Below Cal	#	7
31) Cyclohexane	7.67	56	5928	0.943	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	23558	4.283	ug/l #	49
38) Carbon Tetrachloride	7.66	117	31699	6.591	ug/l #	15
43) Isopropyl Acetate	8.24	43	6688	0.802	ug/l #	54
71) Bromoform	12.40	173	1647	3.595	ug/l #	1
73) Isopropylbenzene	12.25	105	380	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	118024	30.829	ug/l #	100
79) 2-Chlorotoluene	12.68	91	218	Below Cal	#	40
80) 1,3,5-Trimethylbenzene	12.73	105	374	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	118024	109.569	ug/l #	8
83) tert-Butylbenzene	12.99	119	104	Below Cal	#	28
93) 1,2,4-Trichlorobenzene	14.90	180	718	5.811	ug/l #	87
95) Naphthalene	15.13	128	1400	5.393	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.30	180	416	4.594	ug/l #	1

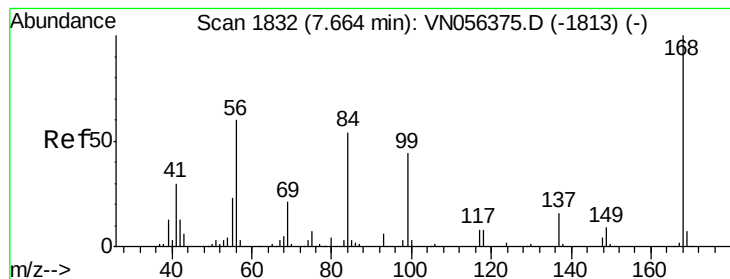
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 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: VN056473.D

Acq: 25 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

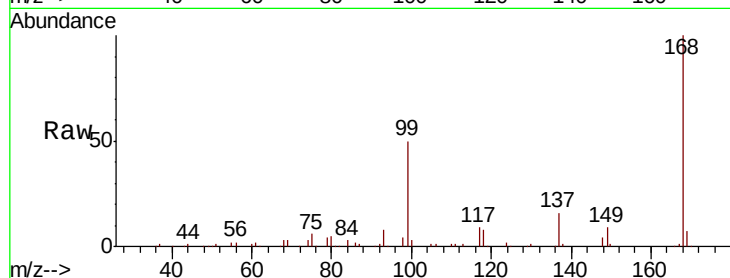
VN0625WBL01

Tot Ion:168 Resp: 367277

Ion Ratio Lower Upper

168 100

99 49.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

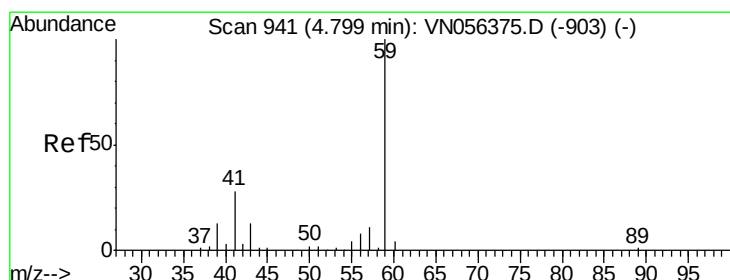
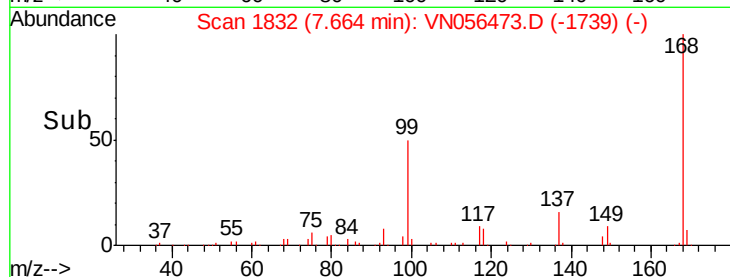
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.974 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.06 min

Lab File: VN056473.D

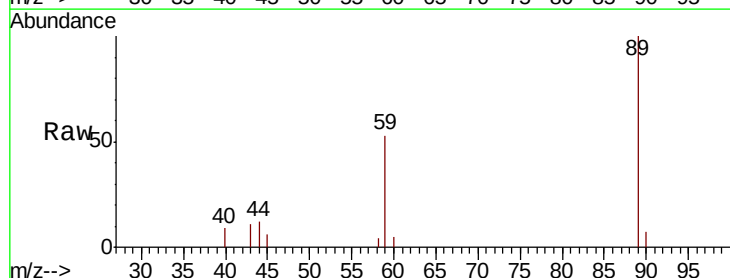
Acq: 25 Jun 2019 10:02

Tgt Ion: 59 Resp: 4096

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

2500

2000

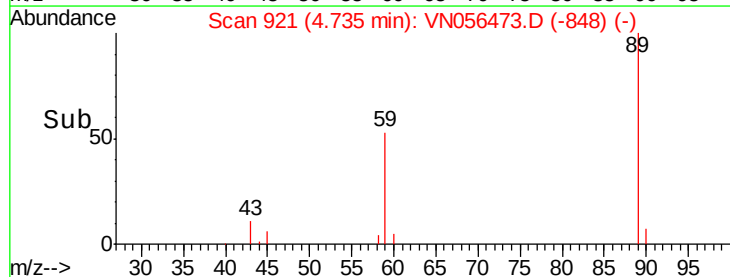
1500

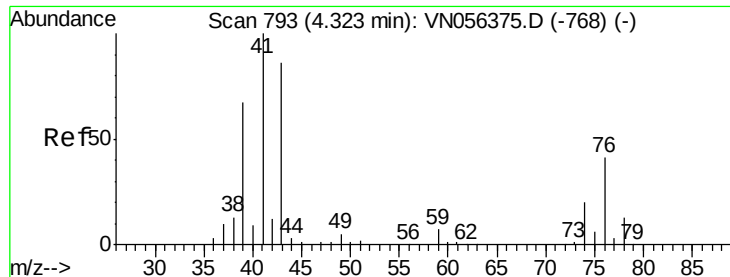
1000

500

0

Time-->





#18

Methyl Acetate

Concen: 1.042 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056473.D

Acq: 25 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

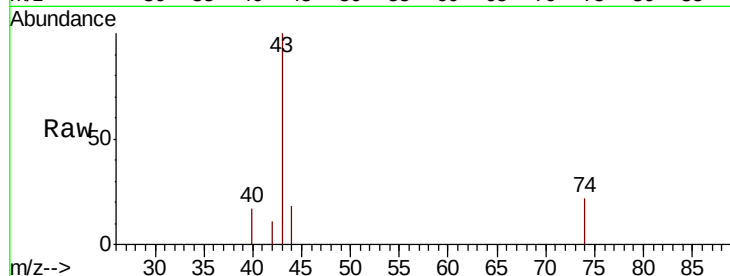
VN0625WBL01

Tot Ion: 43 Resp: 7556

Ion Ratio Lower Upper

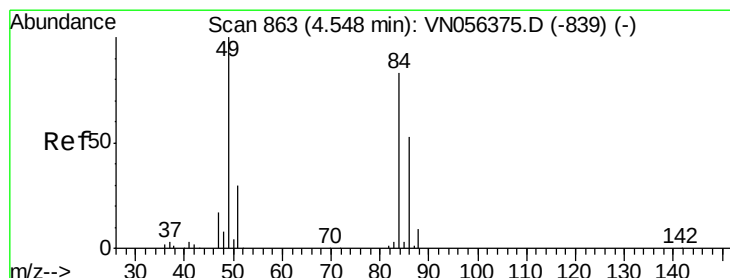
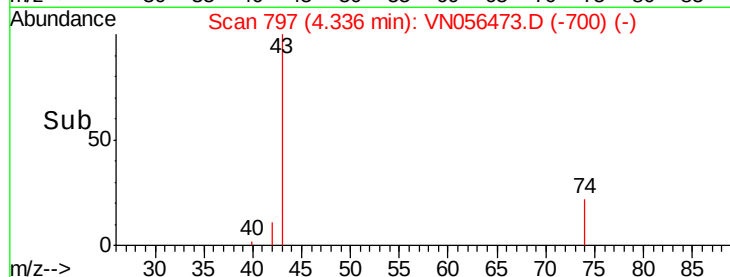
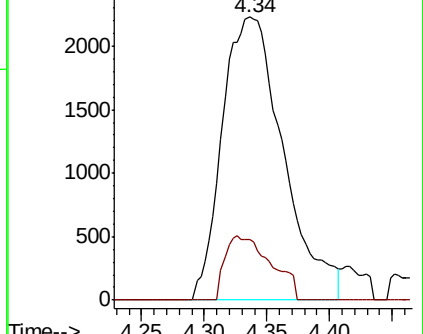
43 100

74 16.9 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.57 min Scan# 869

Delta R.T. 0.02 min

Lab File: VN056473.D

Acq: 25 Jun 2019 10:02

Tgt Ion: 84 Resp: 93

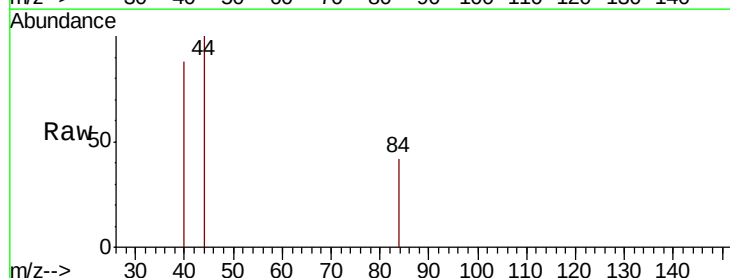
Ion Ratio Lower Upper

84 100

49 0.0 96.4 144.6#

51 0.0 28.6 43.0#

86 0.0 51.4 77.2#

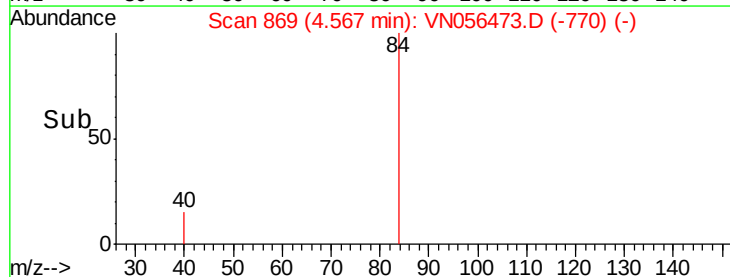
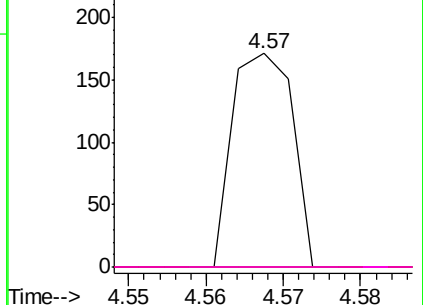


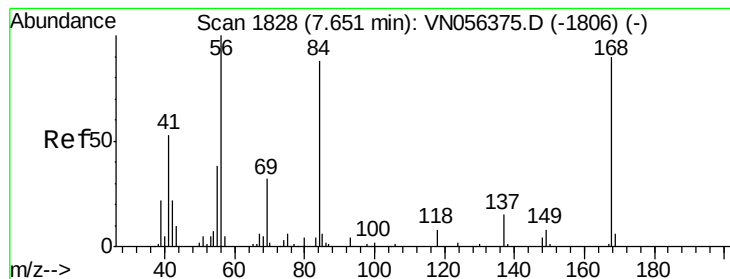
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#31

Cyclohexane

Concen: 0.943 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN056473.D

Acq: 25 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0625WBL01

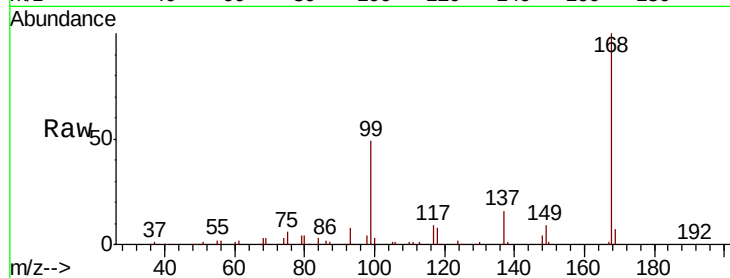
Tot Ion: 56 Resp: 5928

Ion Ratio Lower Upper

56 100

69 169.3 25.8 38.6#

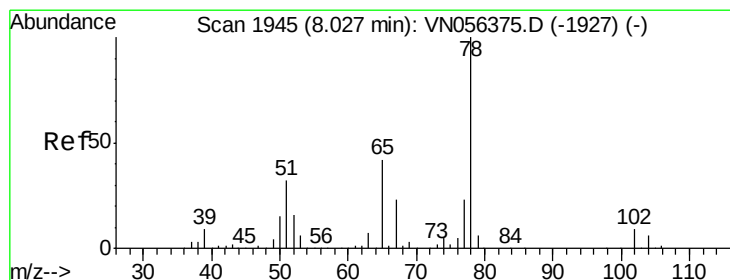
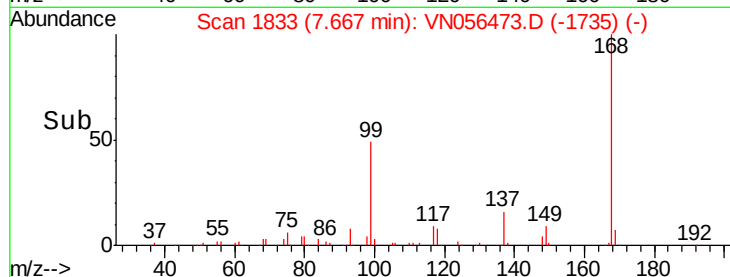
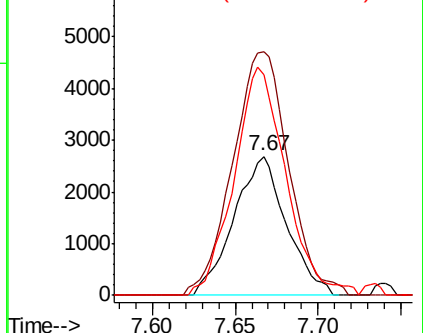
84 158.4 69.4 104.0#



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: 51.928 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056473.D

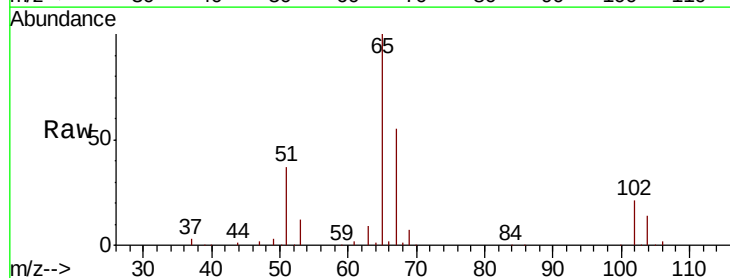
Acq: 25 Jun 2019 10:02

Tgt Ion: 65 Resp: 211378

Ion Ratio Lower Upper

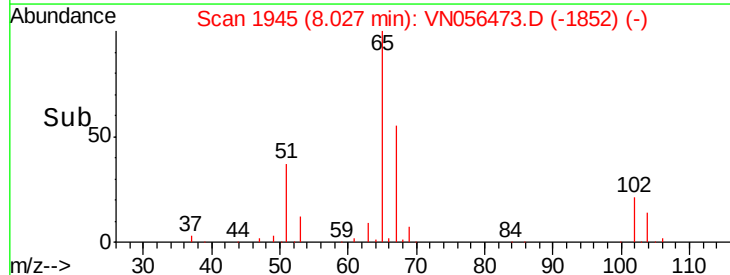
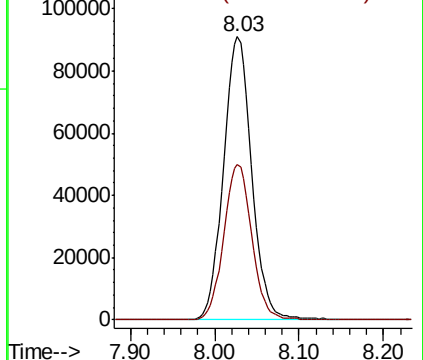
65 100

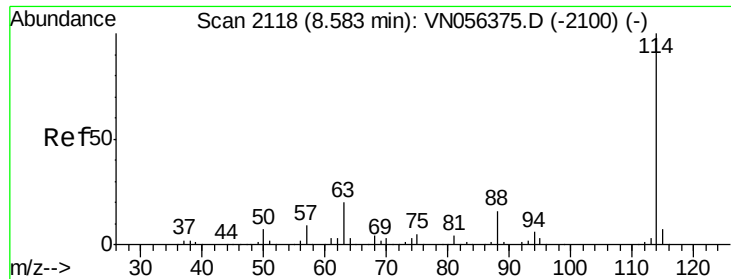
67 54.5 0.0 109.0



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: VN056473.D

Acq: 25 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBL01

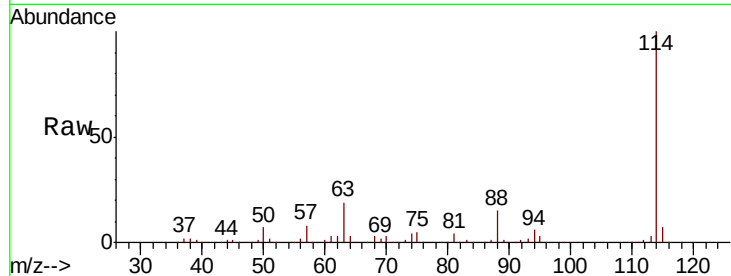
Tot Ion:114 Resp: 624886

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.2

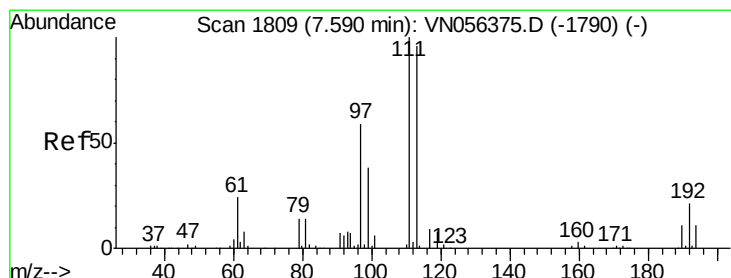
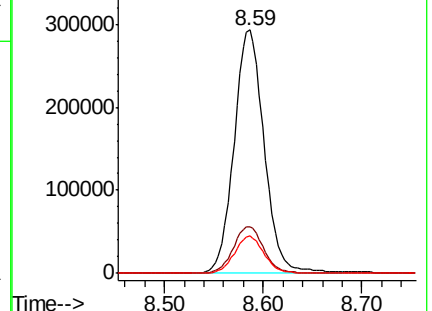
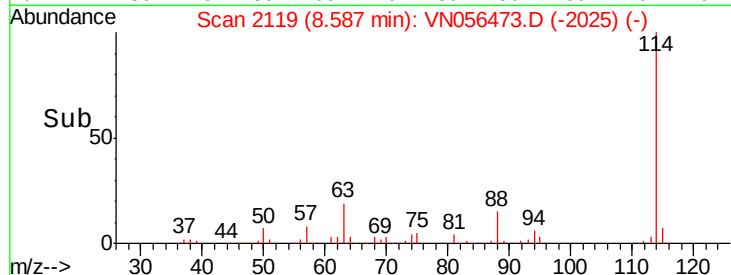
88 15.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.313 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056473.D

Acq: 25 Jun 2019 10:02

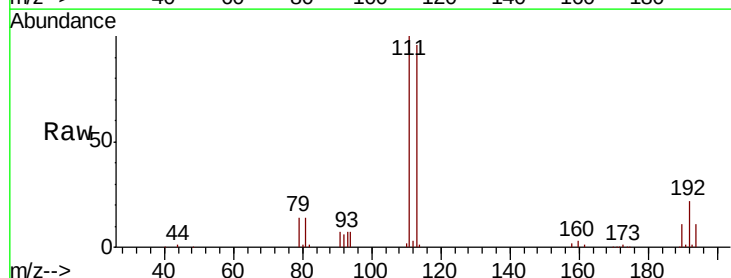
Tgt Ion:113 Resp: 184439

Ion Ratio Lower Upper

113 100

111 101.7 82.9 124.3

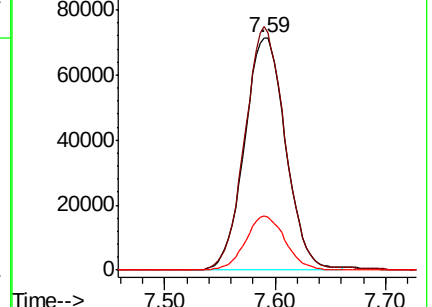
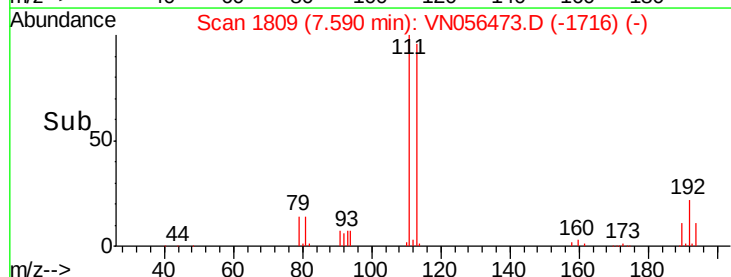
192 22.4 17.7 26.5

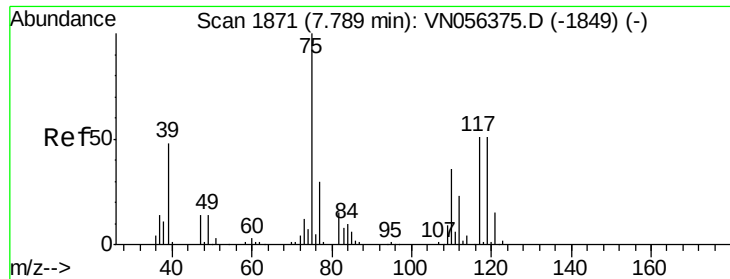


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

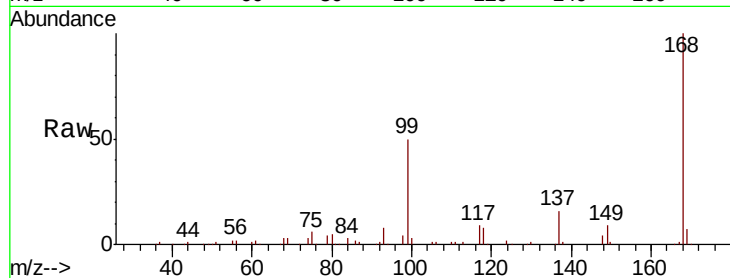




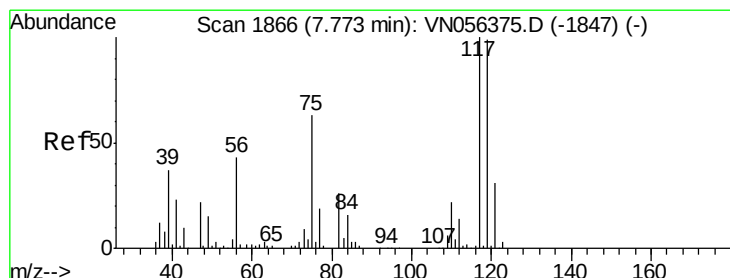
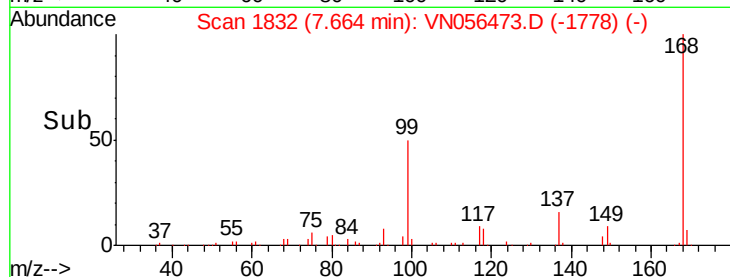
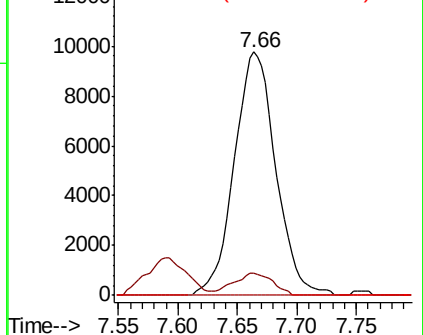
#36
 1,1-Dichloropropene
 Concen: 4.283 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056473.D
 Acq: 25 Jun 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBL01

Tot Ion: 75 Resp: 23558
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.1 54.3#
 77 0.0 24.6 36.8#

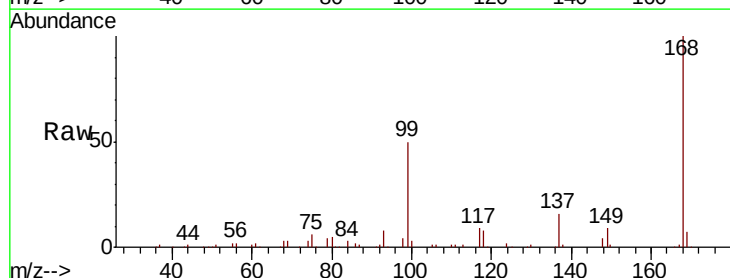


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

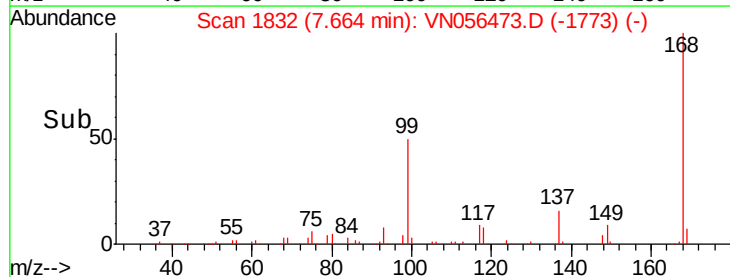
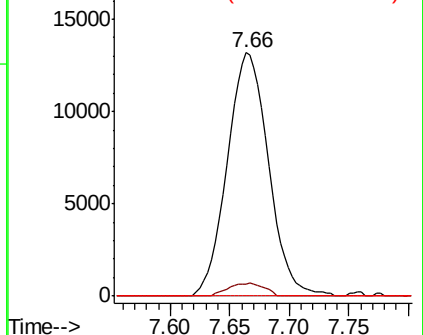


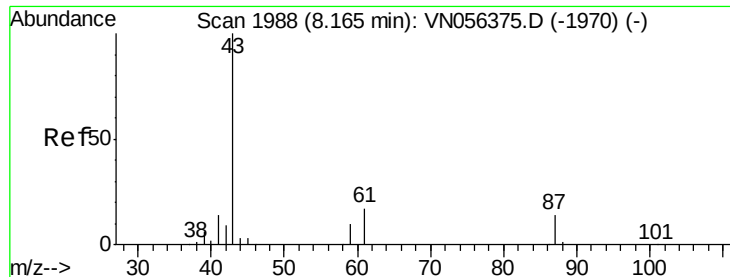
#38
 Carbon Tetrachloride
 Concen: 6.591 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056473.D
 Acq: 25 Jun 2019 10:02

Tgt Ion: 117 Resp: 31699
 Ion Ratio Lower Upper
 117 100
 119 5.2 79.1 118.7#
 121 0.0 24.8 37.2#



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





#43

Isopropyl Acetate

Concen: 0.802 ug/l

RT: 8.24 min Scan# 2011

Delta R.T. 0.07 min

Lab File: VN056473.D

Acq: 25 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBL01

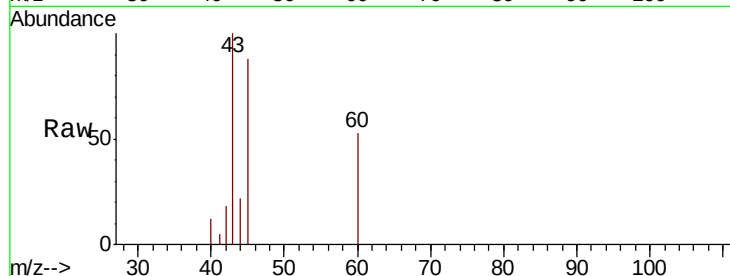
Tot Ion: 43 Resp: 6688

Ion Ratio Lower Upper

43 100

61 0.0 22.0 33.0#

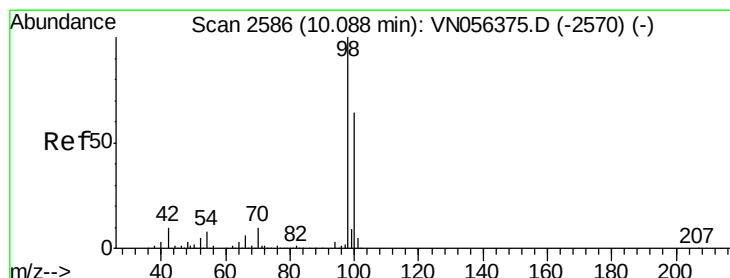
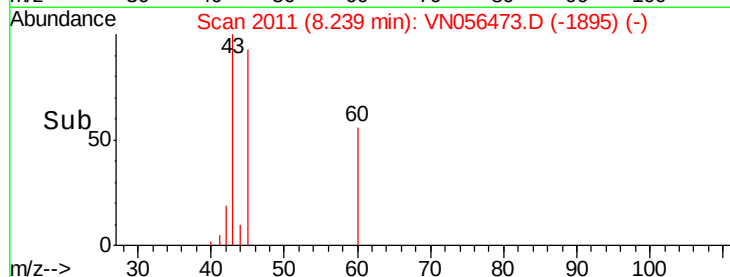
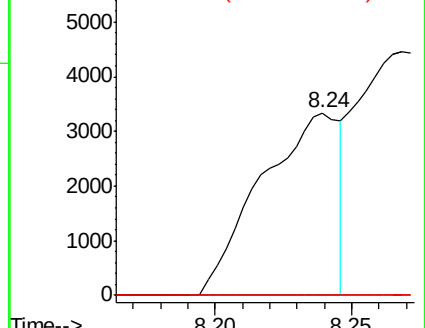
87 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 51.114 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056473.D

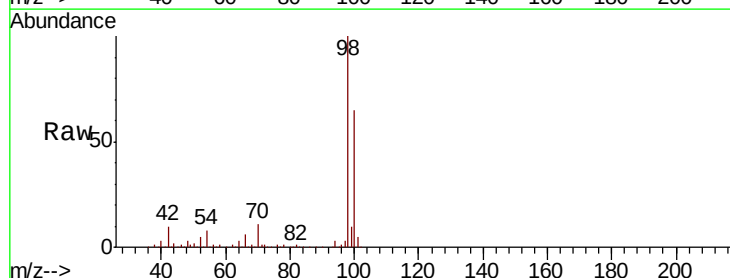
Acq: 25 Jun 2019 10:02

Tgt Ion: 98 Resp: 775317

Ion Ratio Lower Upper

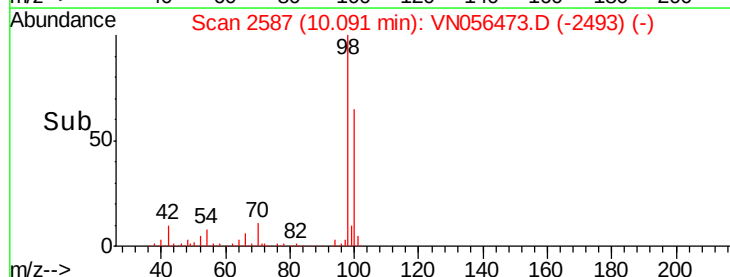
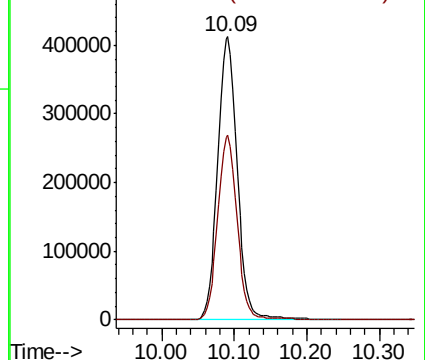
98 100

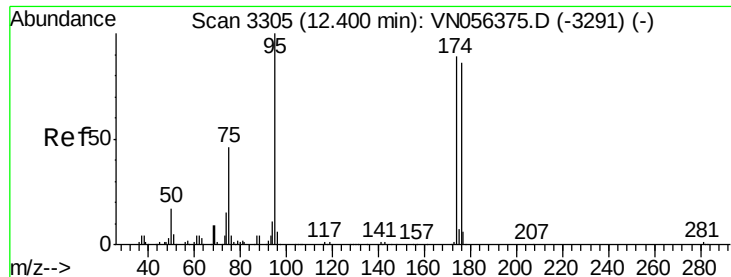
100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

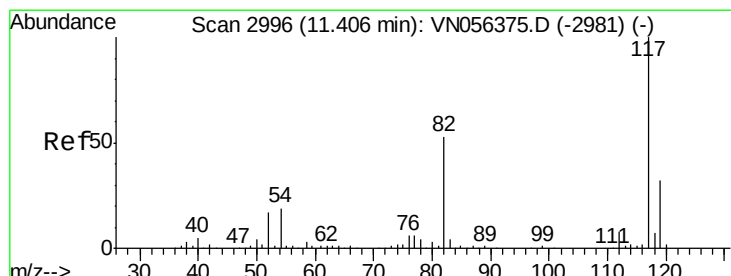
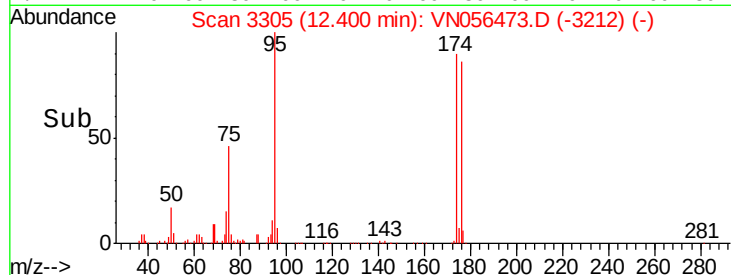
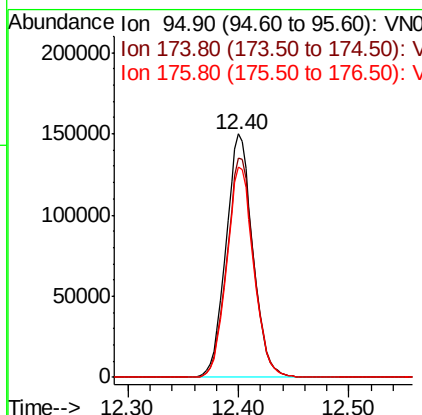
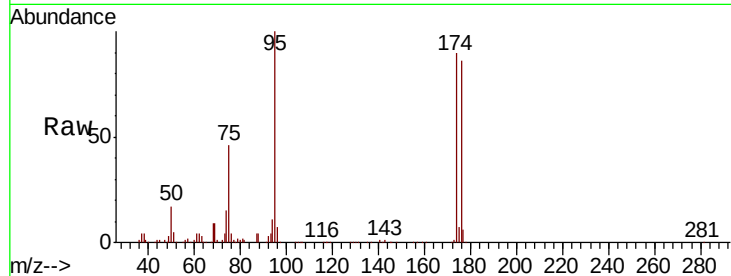




#62
4-Bromofluorobenzene
Concen: 49.859 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056473.D
Acq: 25 Jun 2019 10:02

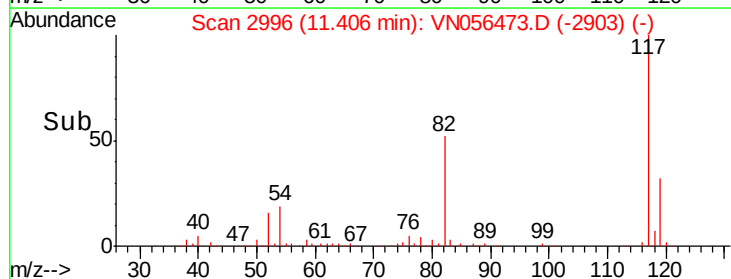
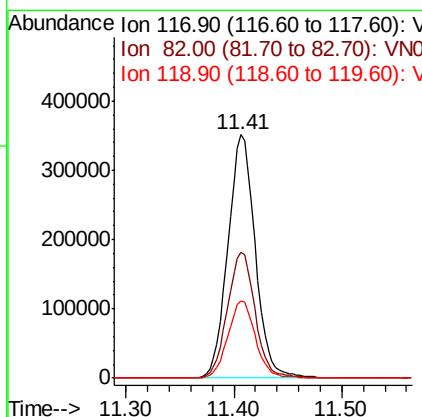
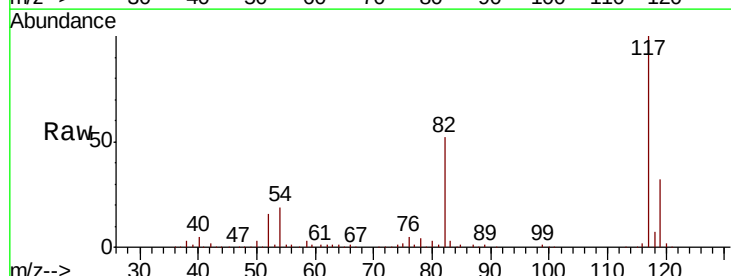
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBL01

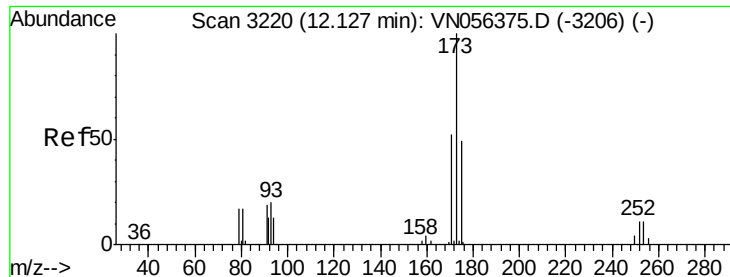
Tot Ion: 95 Resp: 252112
Ion Ratio Lower Upper
95 100
174 91.3 0.0 179.4
176 87.3 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056473.D
Acq: 25 Jun 2019 10:02

Tgt Ion: 117 Resp: 622408
Ion Ratio Lower Upper
117 100
82 51.8 42.0 63.0
119 32.0 25.3 37.9





#71

Bromoform

Concen: 3.595 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056473.D

Acq: 25 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0625WBL01

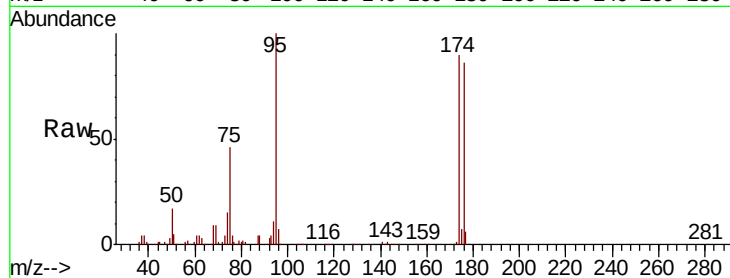
Tot Ion:173 Resp: 1647

Ion Ratio Lower Upper

173 100

175 877.4 24.4 73.4#

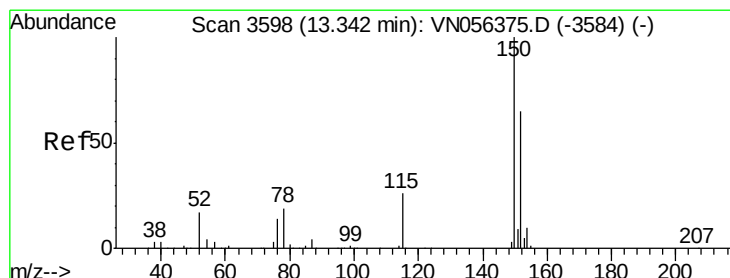
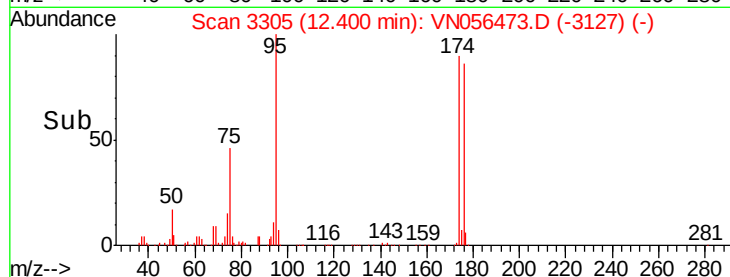
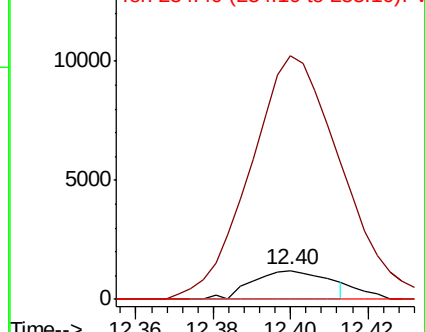
254 0.0 0.0 0.0



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: VN056473.D

Acq: 25 Jun 2019 10:02

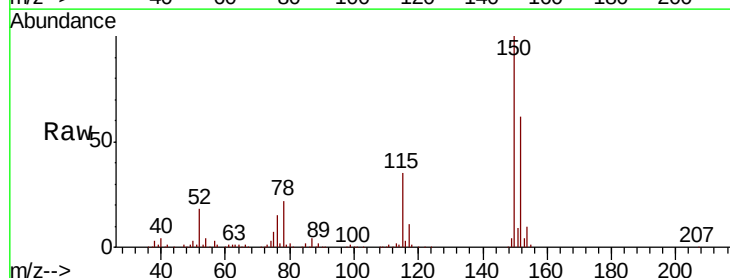
Tgt Ion:152 Resp: 184633

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.4

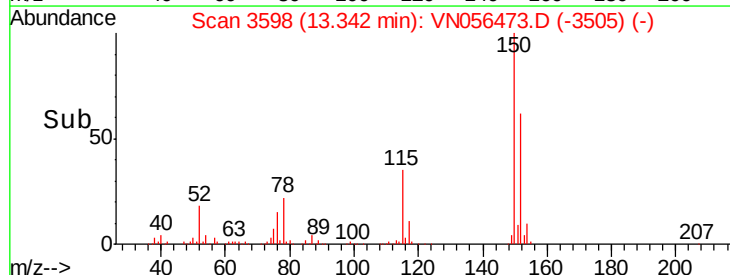
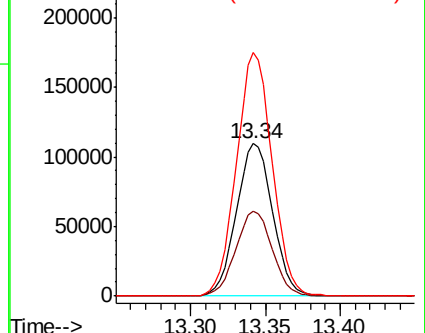
150 157.8 0.0 348.4

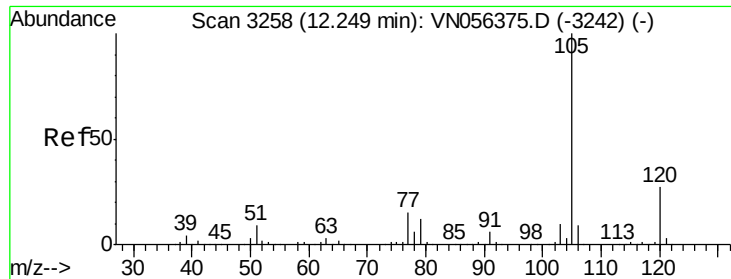


Abundance Ion 151.90 (151.60 to 152.60): V

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: VN056473.D

Acq: 25 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

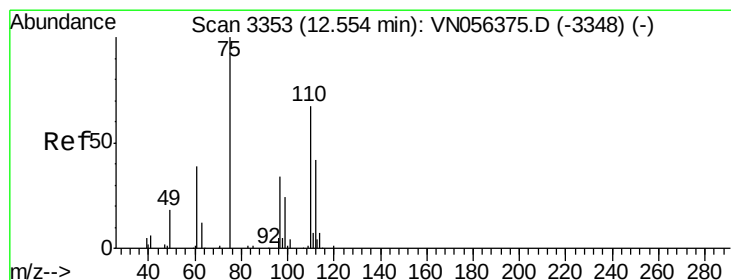
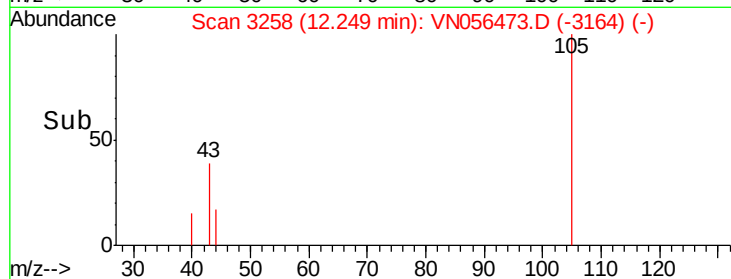
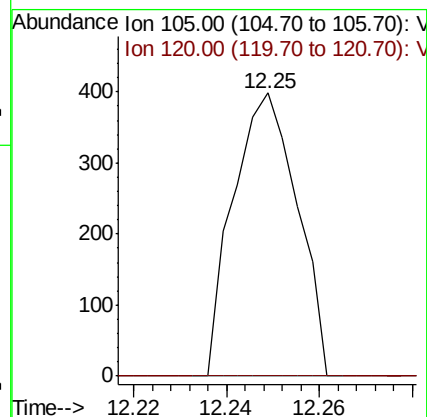
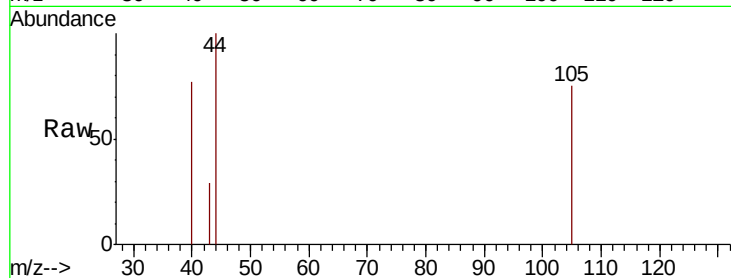
VN0625WBL01

Tot Ion:105 Resp: 380

Ion Ratio Lower Upper

105 100

120 0.0 13.4 40.2#



#76

1,2,3-Trichloropropane

Concen: 30.829 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056473.D

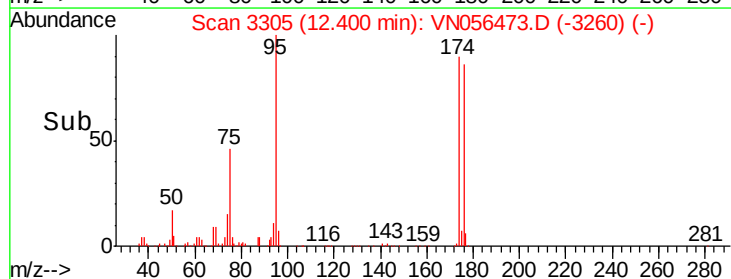
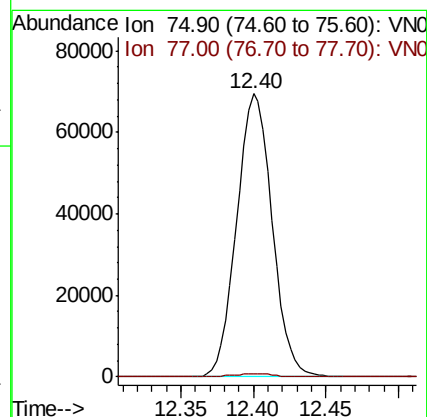
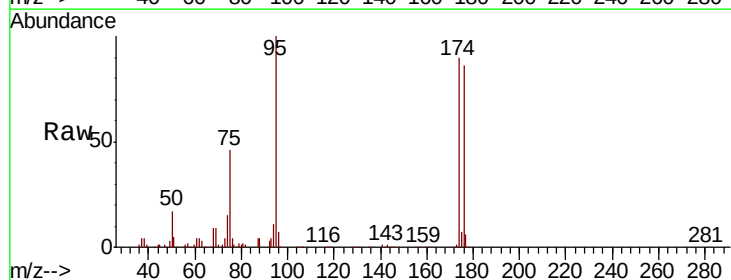
Acq: 25 Jun 2019 10:02

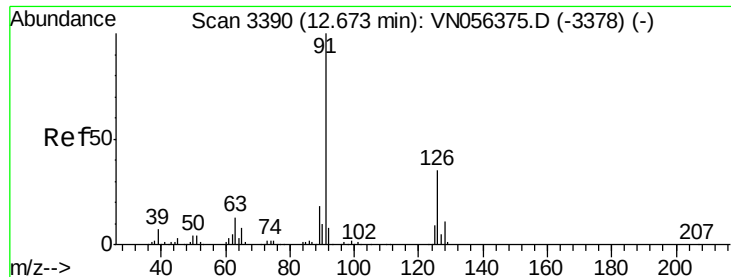
Tgt Ion: 75 Resp: 118024

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN056473.D

Acq: 25 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

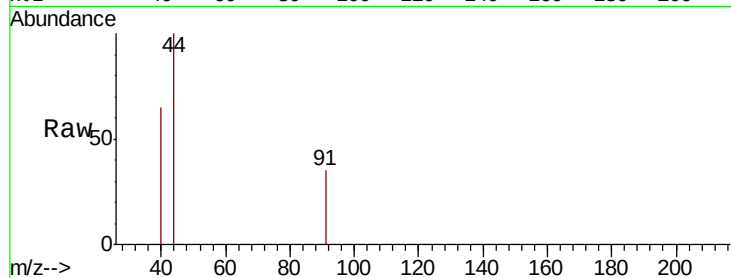
VN0625WBL01

Tot Ion: 91 Resp: 218

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN056375.D (-3378) (-)

12.68

200

150

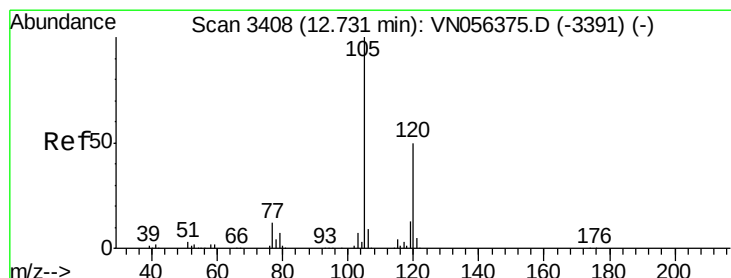
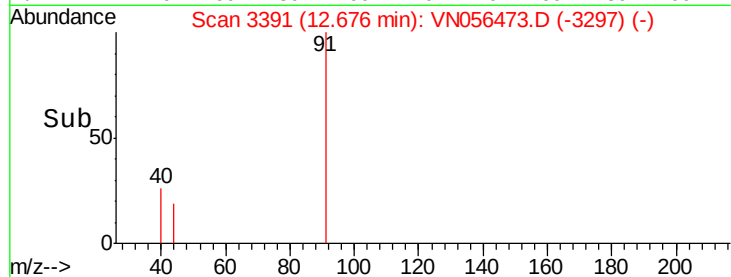
100

50

0

12.66 12.68

Time-->



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN056473.D

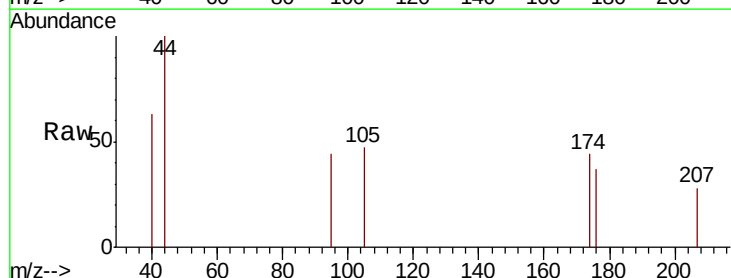
Acq: 25 Jun 2019 10:02

Tgt Ion: 105 Resp: 374

Ion Ratio Lower Upper

105 100

120 0.0 24.8 74.4#



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056375.D (-3391) (-)

12.73

300

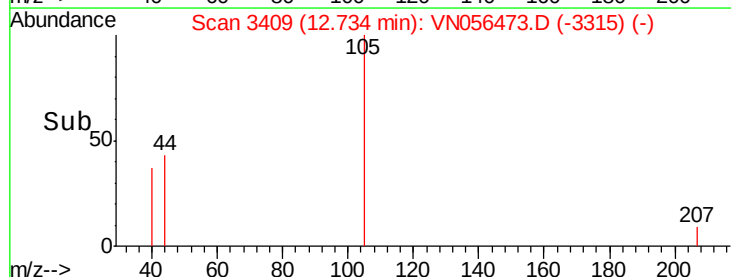
200

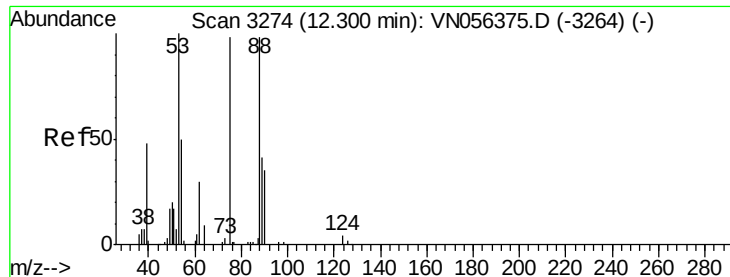
100

0

12.70 12.72 12.74 12.76

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 109.569 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056473.D

Acq: 25 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBL01

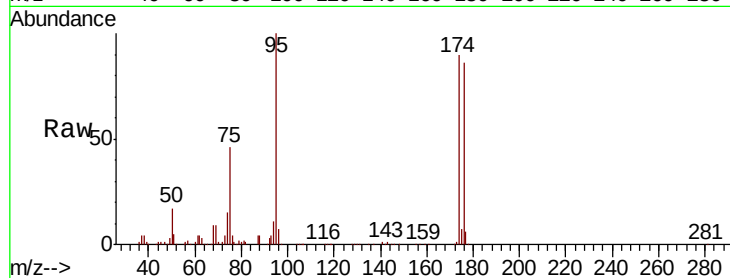
Tot Ion: 75 Resp: 118024

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

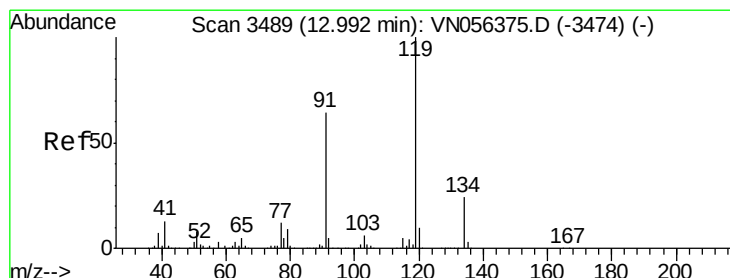
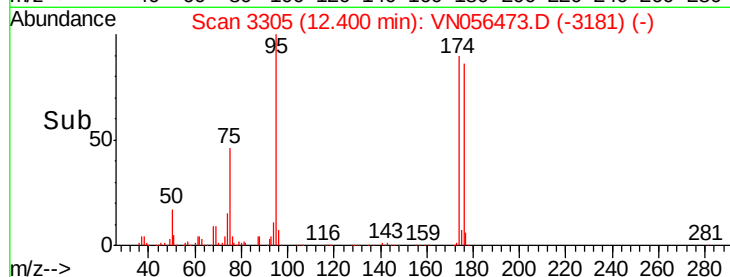
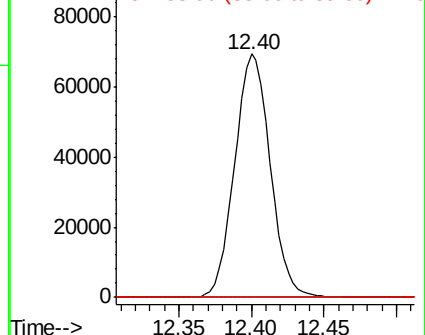
89 0.0 35.0 52.6#



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



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN056473.D

Acq: 25 Jun 2019 10:02

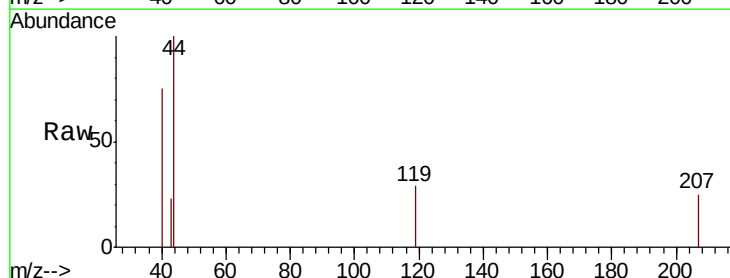
Tgt Ion: 119 Resp: 104

Ion Ratio Lower Upper

119 100

91 0.0 31.6 94.7#

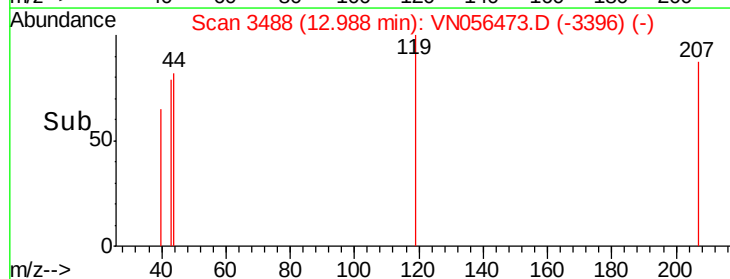
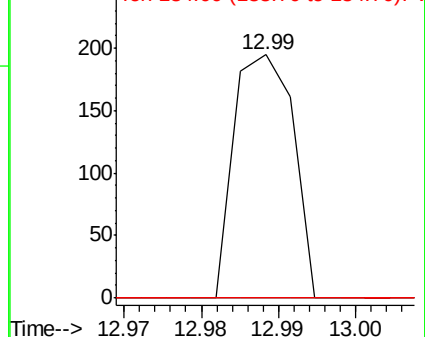
134 0.0 13.2 39.5#

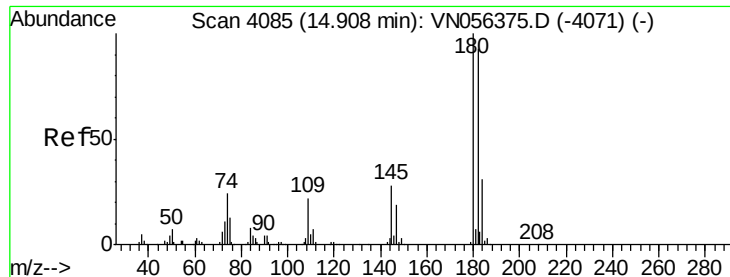


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V





#93

1,2,4-Trichlorobenzene

Concen: 5.811 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN056473.D

Acq: 25 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0625WBL01

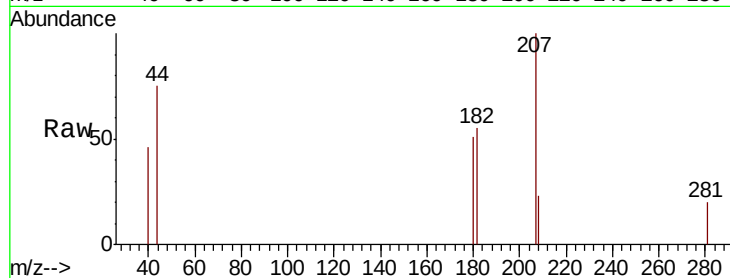
Tot Ion:180 Resp: 718

Ion Ratio Lower Upper

180 100

182 99.3 46.9 140.6

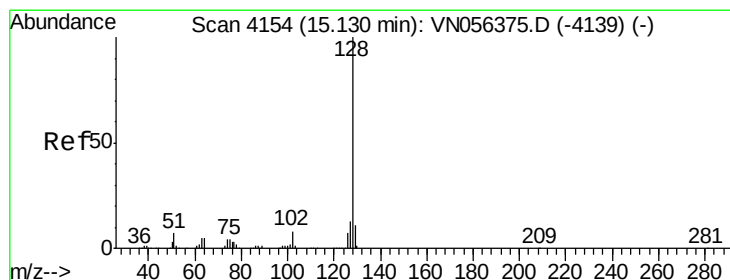
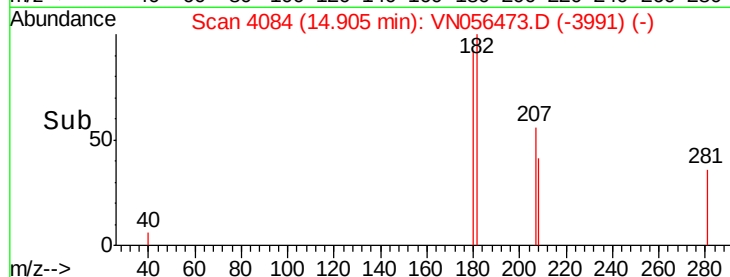
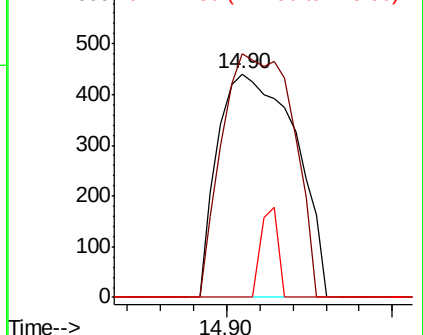
145 9.1 14.4 43.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 5.393 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056473.D

Acq: 25 Jun 2019 10:02

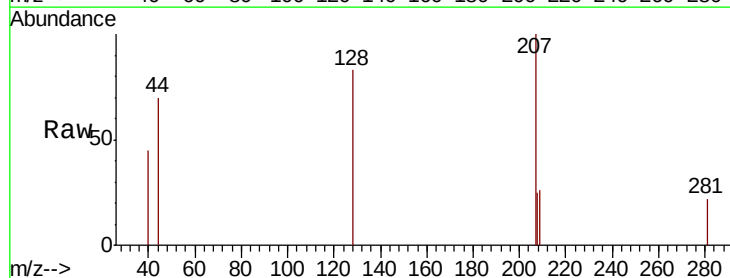
Tgt Ion:128 Resp: 1400

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

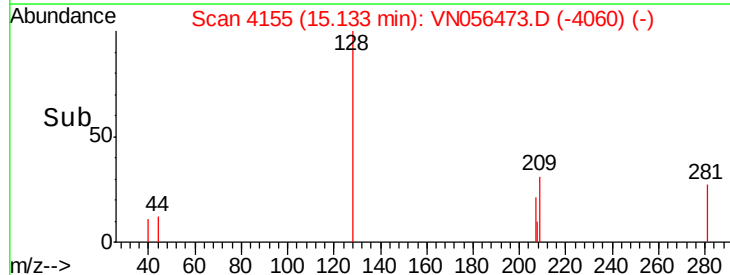
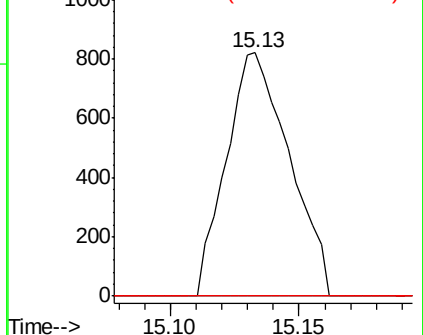
129 0.0 8.6 12.8#

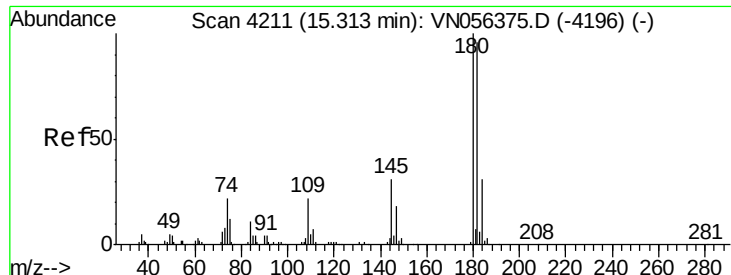


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 4.594 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. -0.01 min
 Lab File: VN056473.D
 Acq: 25 Jun 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBL01

Tot Ion:180 Resp: 416
 Ion Ratio Lower Upper
 180 100
 182 220.4 48.3 144.8#
 145 7.7 15.4 46.1#

