

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056400.D
 Acq On : 20 Jun 2019 14:15
 Operator : JC/SP
 Sample : K3455-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3-GIS

Quant Time: Jun 21 04:27:01 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

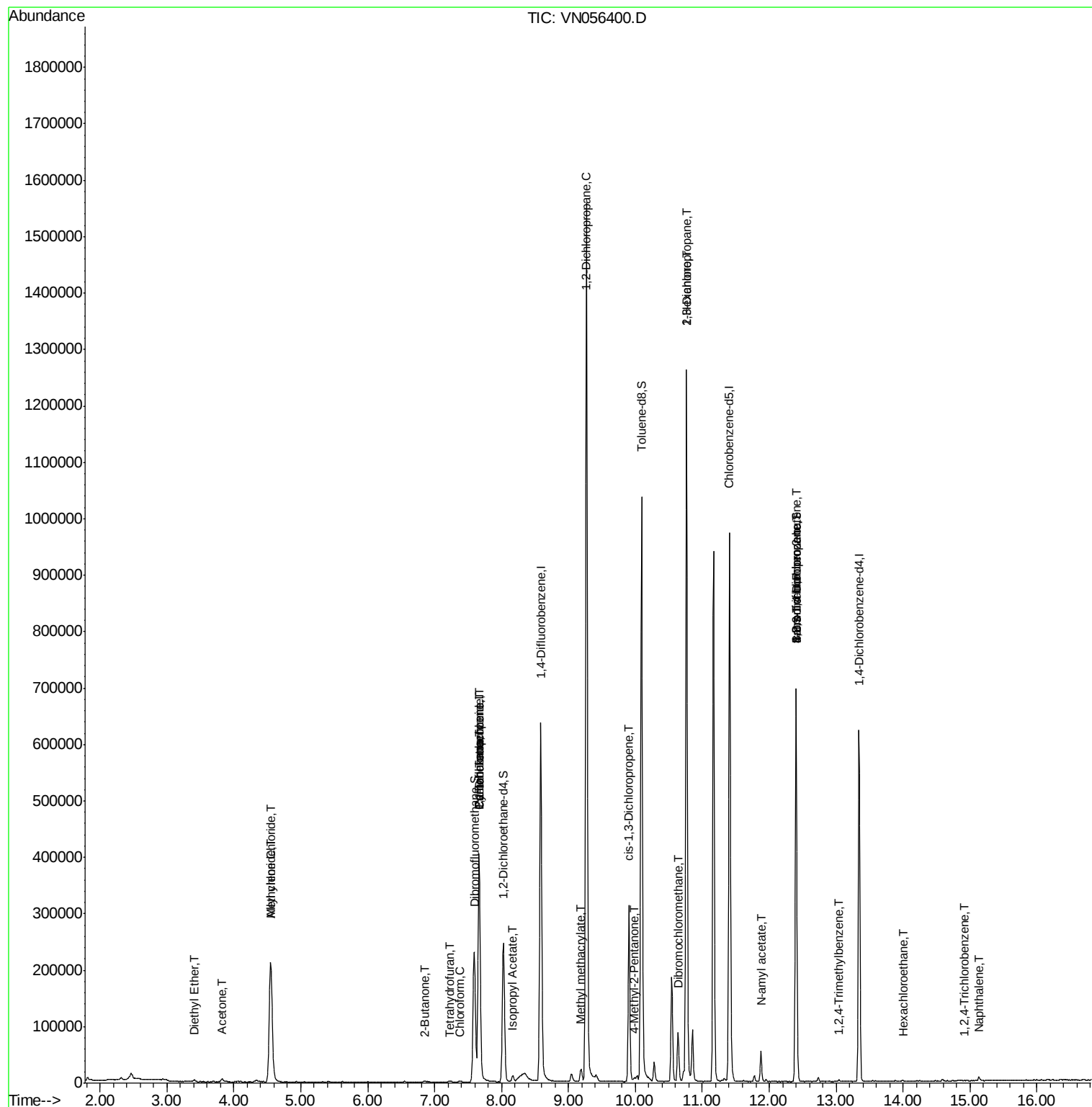
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	370920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	622298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	615804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182172	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	207037	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.59	113	180703	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
50) Toluene-d8	10.09	98	778162	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.40	95	249258	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.41	74	1986	0.878	ug/l	81
14) Allyl chloride	4.55	41	6421	1.177	ug/l #	28
16) Acetone	3.83	43	9254	4.493	ug/l	94
18) Methyl Acetate	4.33	43	2754	Below Cal	#	57
20) Methylene Chloride	4.55	84	175649	45.152	ug/l	99
25) 2-Butanone	6.86	43	1843	0.676	ug/l	95
29) Tetrahydrofuran	7.21	42	405	0.243	ug/l #	58
30) Chloroform	7.37	83	1811	0.279	ug/l	100
31) Cyclohexane	7.67	56	5688	0.896	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	23503	4.291	ug/l #	49
38) Carbon Tetrachloride	7.66	117	32204	6.723	ug/l #	15
43) Isopropyl Acetate	8.17	43	13335	1.607	ug/l	92
45) 1,2-Dichloropropane	9.27	63	2049	0.455	ug/l #	43
48) Methyl methacrylate	9.18	41	8502	2.044	ug/l #	12
51) 4-Methyl-2-Pentanone	9.99	43	4635	0.865	ug/l	90
54) cis-1,3-Dichloropropene	9.90	75	58535	9.722	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	13390	1.925	ug/l #	42
59) 2-Hexanone	10.76	43	184399	46.833	ug/l #	50
60) Dibromochloromethane	10.64	129	29	2.388	ug/l #	10
71) Bromoform	12.40	173	1858	3.659	ug/l #	1
73) Isopropylbenzene	12.25	105	127	Below Cal	#	48
74) N-amyl acetate	11.88	43	16948	2.923	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	115499	30.577	ug/l #	100
79) 2-Chlorotoluene	12.67	91	910	Below Cal		80
80) 1,3,5-Trimethylbenzene	12.73	105	4003	Below Cal		97
81) trans-1,4-Dichloro-2-buten	12.40	75	115499	108.674	ug/l #	8
83) tert-Butylbenzene	13.04	119	273	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	13.04	105	2622	0.214	ug/l	94
90) Hexachloroethane	13.99	117	637	0.325	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.90	180	29	5.622	ug/l #	1
95) Naphthalene	15.13	128	5910	5.879	ug/l	98

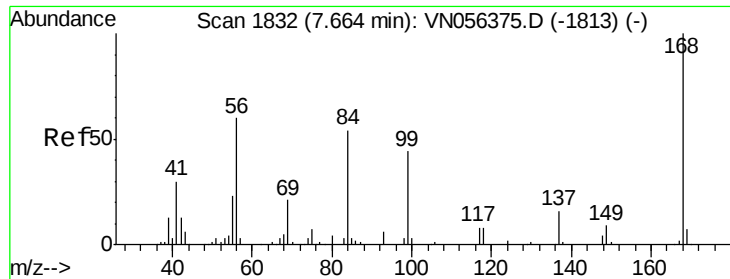
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

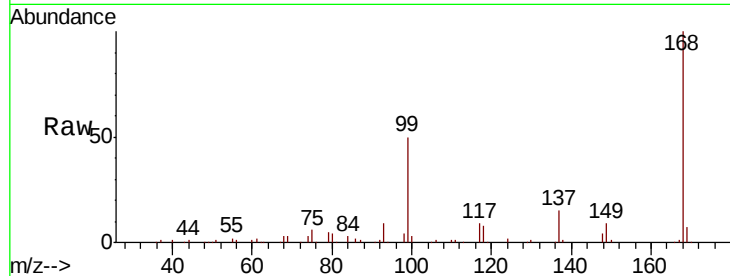
TP-3-GIS

Tot Ion:168 Resp: 370920

Ion Ratio Lower Upper

168 100

99 49.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN056375.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056375.D (-1813) (-)

7.67

150000

100000

50000

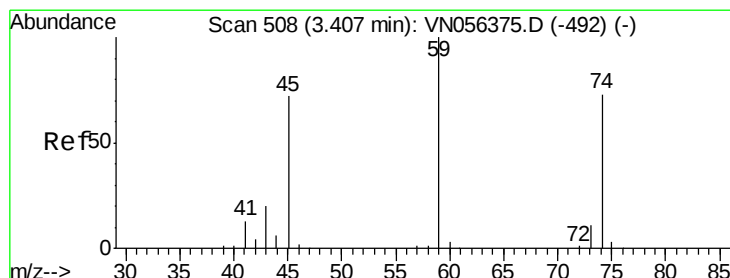
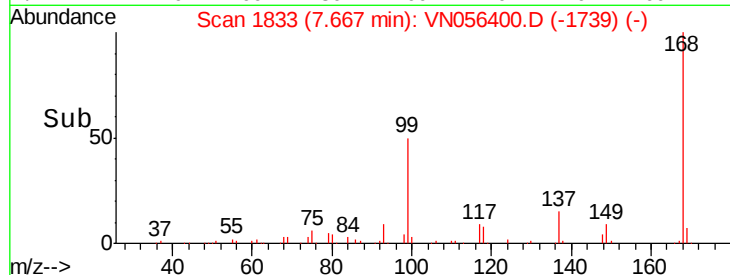
0

Time-->

7.60

7.70

7.80



#8

Diethyl Ether

Concen: 0.878 ug/l

RT: 3.41 min Scan# 508

Delta R.T. 0.00 min

Lab File: VN056400.D

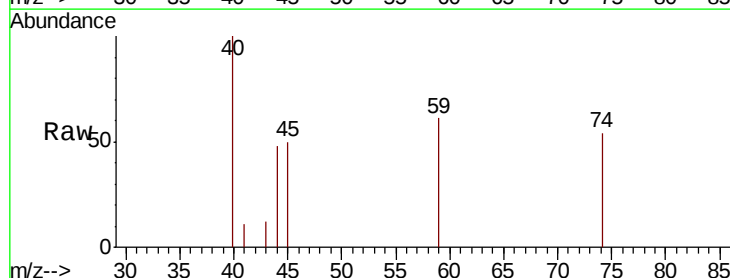
Acq: 20 Jun 2019 14:15

Tgt Ion: 74 Resp: 1986

Ion Ratio Lower Upper

74 100

45 116.0 48.9 146.6



Abundance Ion 74.00 (73.70 to 74.70): VN056375.D (-492) (-)

Ion 45.00 (44.70 to 45.70): VN056375.D (-492) (-)

3.41

1000

800

600

400

200

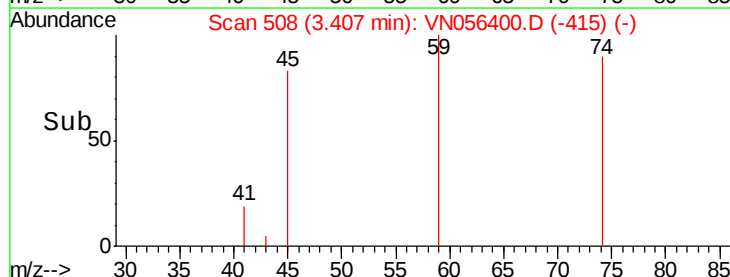
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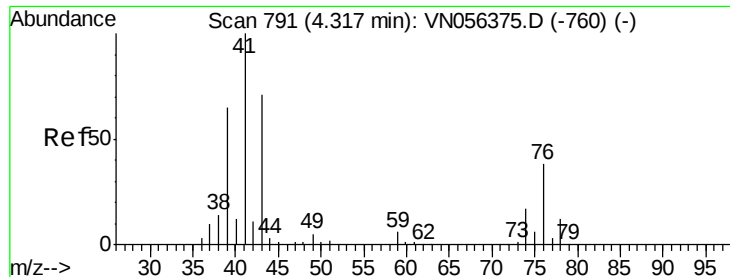
Time-->

3.35

3.40

3.45

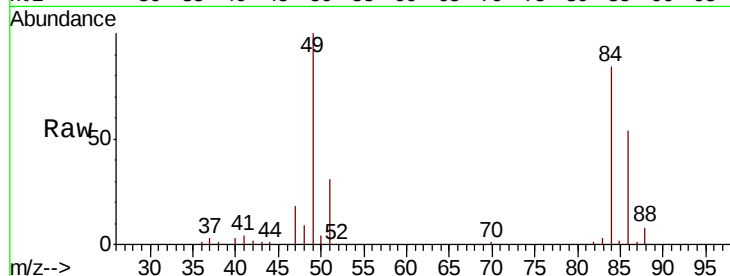




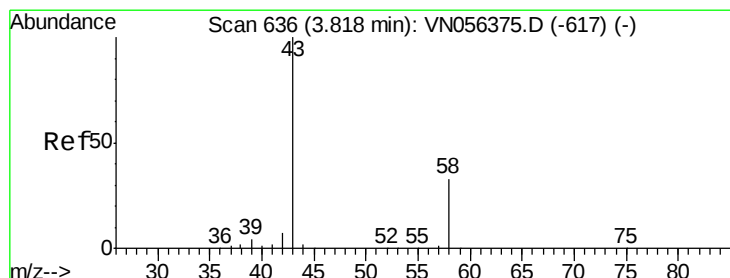
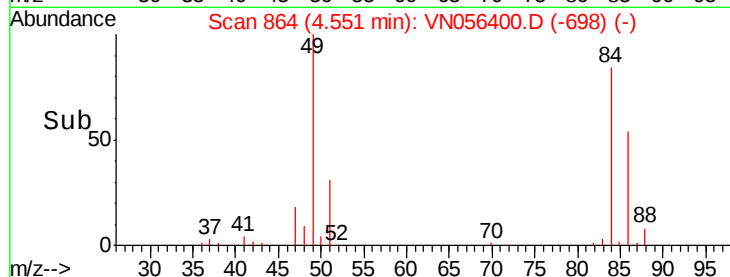
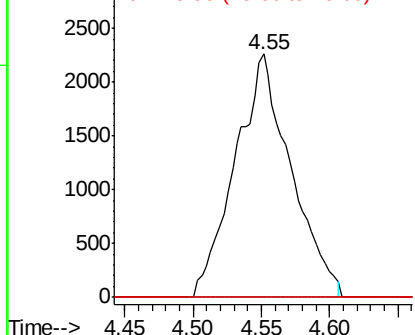
#14
Allvl chloride
Concen: 1.177 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.23 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

Instrument :
MSVOA_N
ClientSampled :
TP-3-GIS

Tot Ion: 41 Resp: 6421
Ion Ratio Lower Upper
41 100
39 0.0 48.6 73.0#
76 0.0 26.6 40.0#

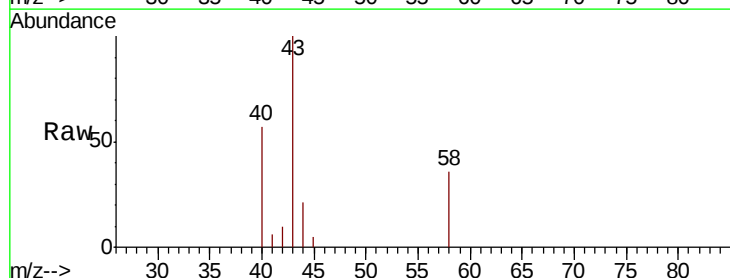


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

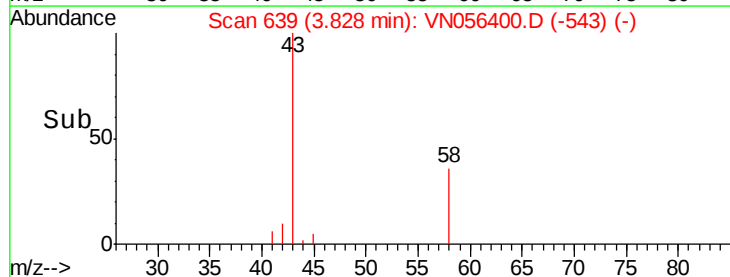
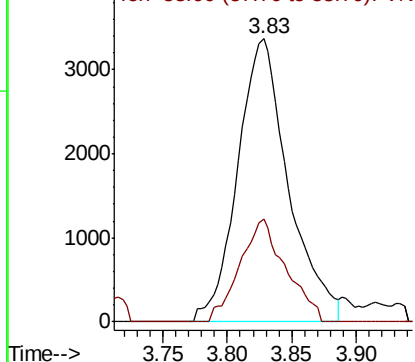


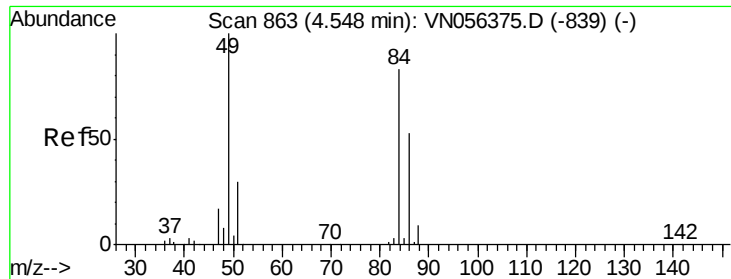
#16
Acetone
Concen: 4.493 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

Tgt Ion: 43 Resp: 9254
Ion Ratio Lower Upper
43 100
58 36.5 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

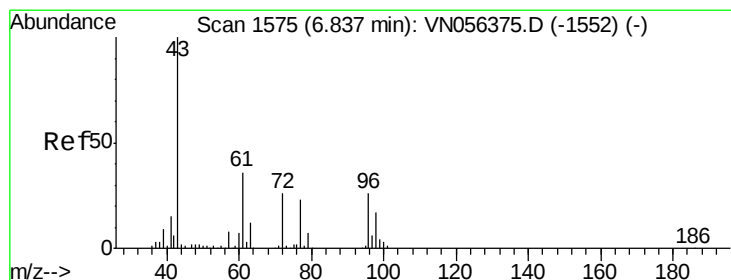
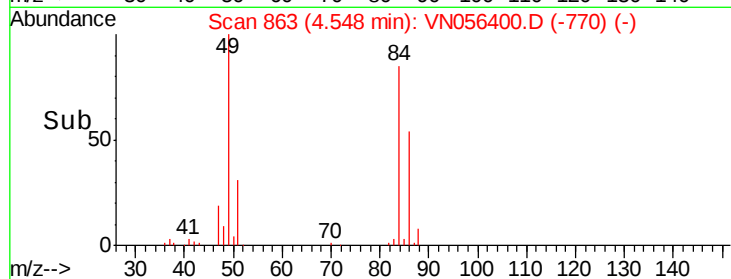
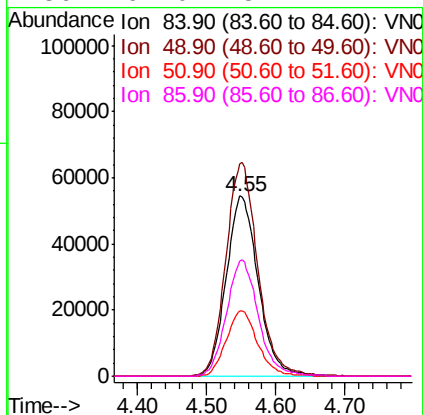
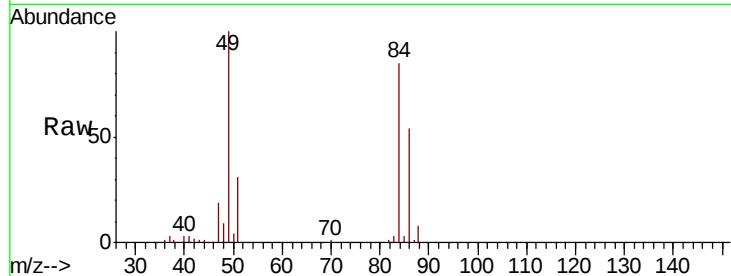




#20
Methvlene Chloride
Concen: 45.152 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

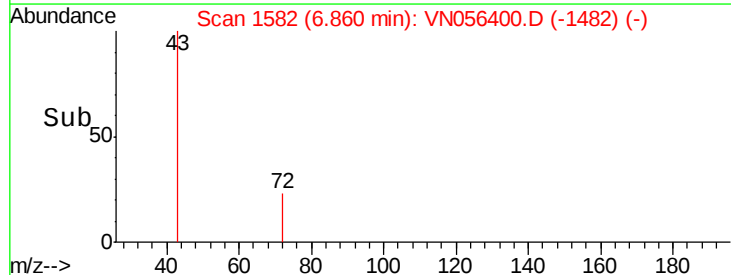
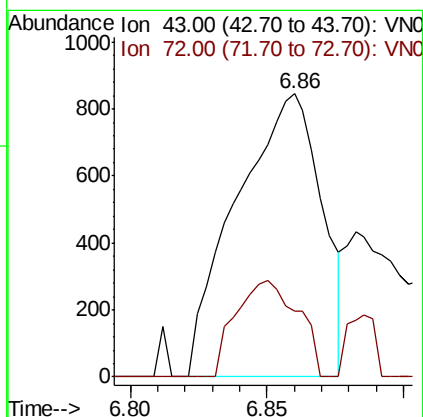
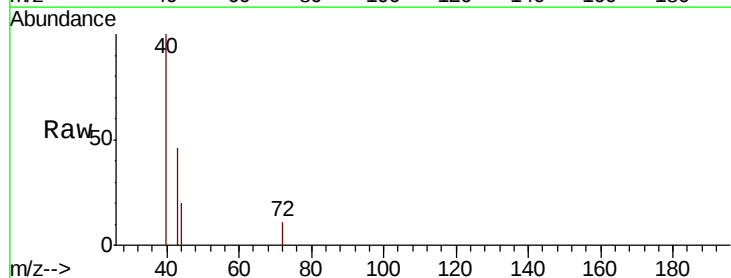
Instrument :
MSVOA_N
ClientSampleId :
TP-3-GIS

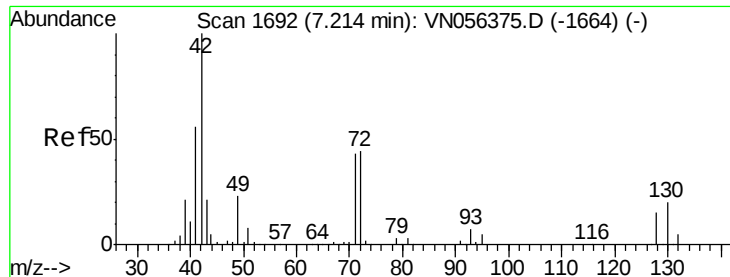
Tot Ion: 84 Resp: 175649
Ion Ratio Lower Upper
84 100
49 118.1 96.4 144.6
51 36.1 28.6 43.0
86 64.0 51.4 77.2



#25
2-Butanone
Concen: 0.676 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

Tgt Ion: 43 Resp: 1843
Ion Ratio Lower Upper
43 100
72 23.1 20.6 31.0





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

TP-3-GIS

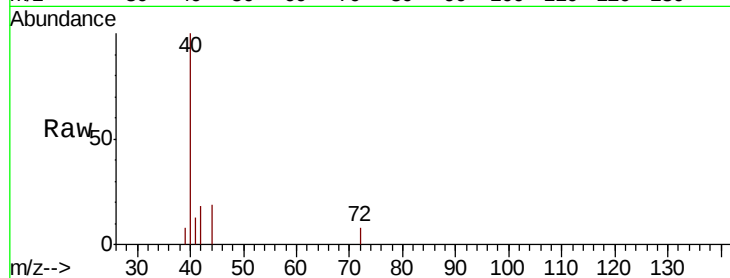
Tot Ion: 42 Resp: 405

Ion Ratio Lower Upper

42 100

72 30.6 34.7 52.1#

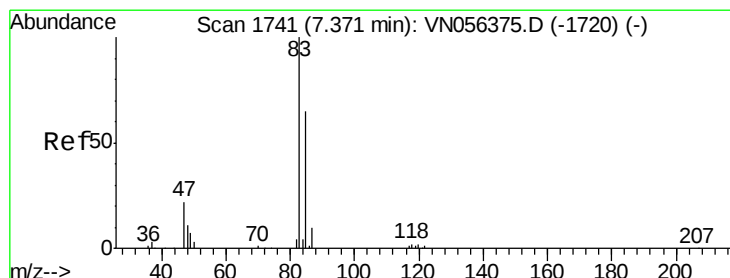
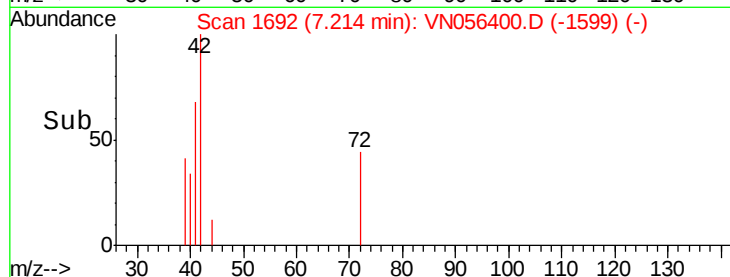
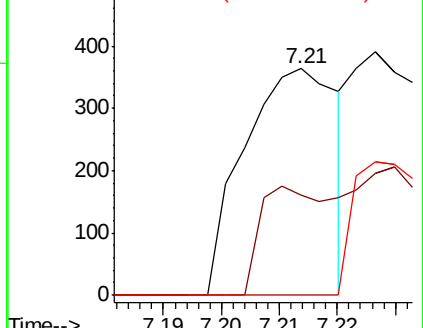
71 0.0 33.0 49.6#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 0.279 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN056400.D

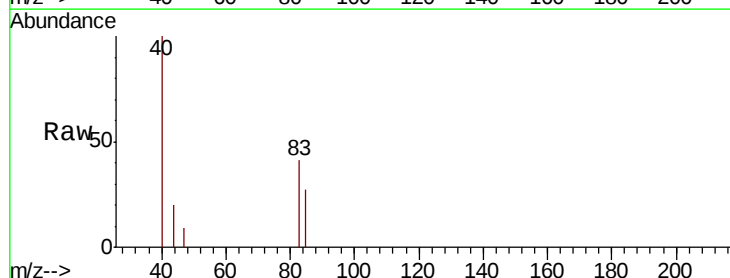
Acq: 20 Jun 2019 14:15

Tgt Ion: 83 Resp: 1811

Ion Ratio Lower Upper

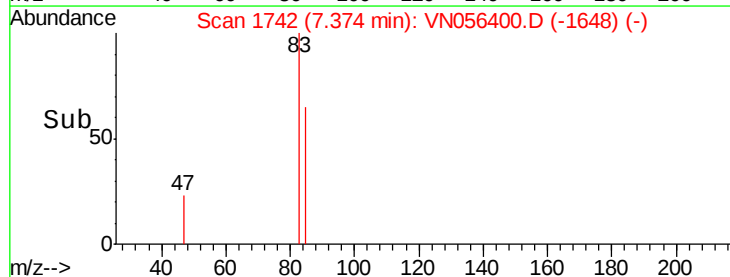
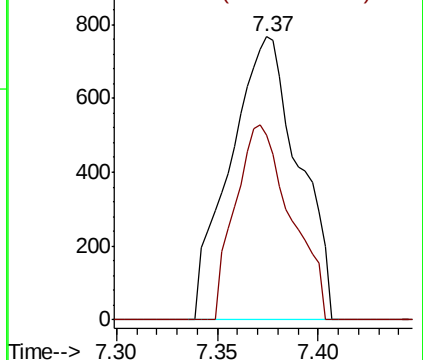
83 100

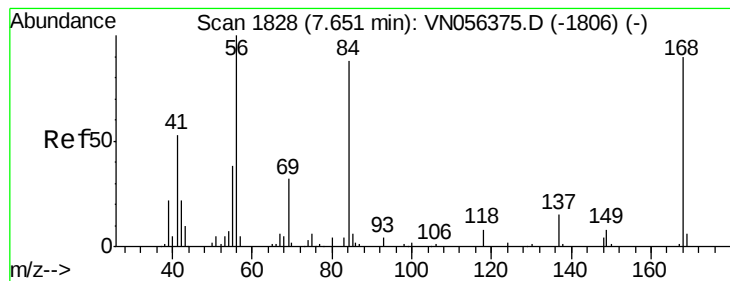
85 65.3 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 0.896 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

Instrument :

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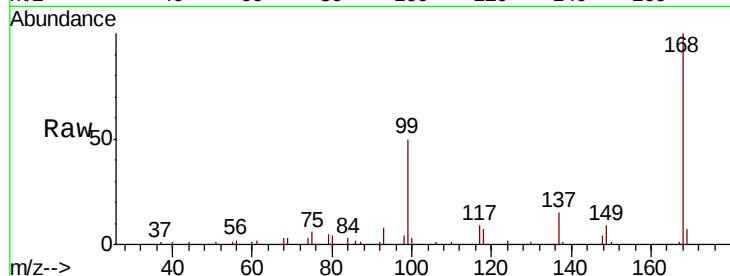
Tot Ion: 56 Resp: 5688

Ion Ratio Lower Upper

56 100

69 190.0 25.8 38.6#

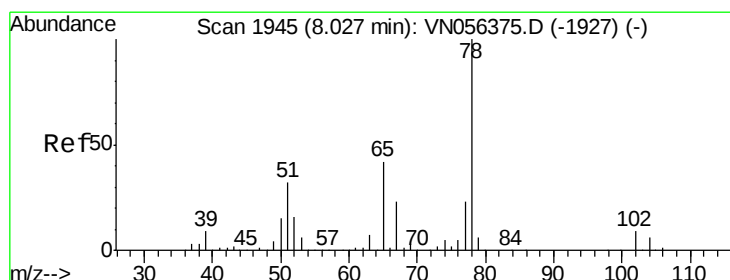
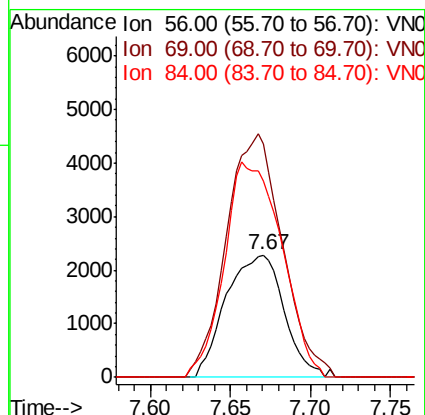
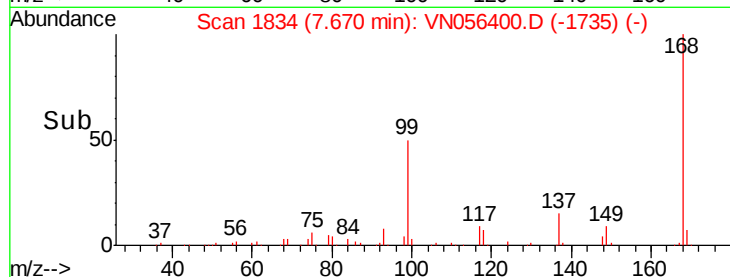
84 160.4 69.4 104.0#



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: 50.363 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056400.D

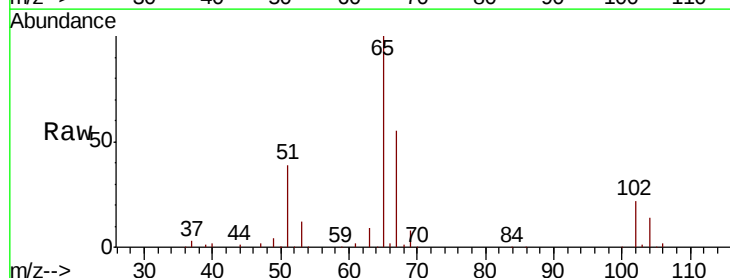
Acq: 20 Jun 2019 14:15

Tgt Ion: 65 Resp: 207037

Ion Ratio Lower Upper

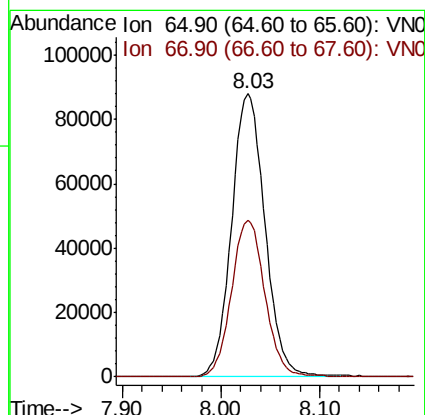
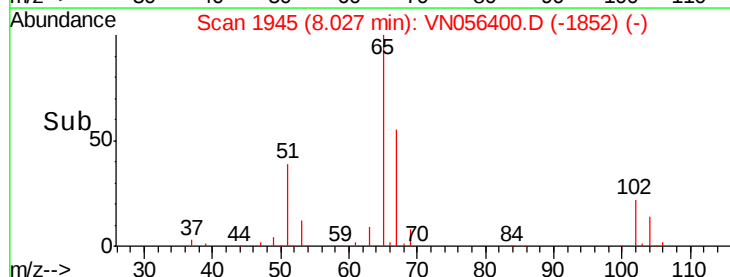
65 100

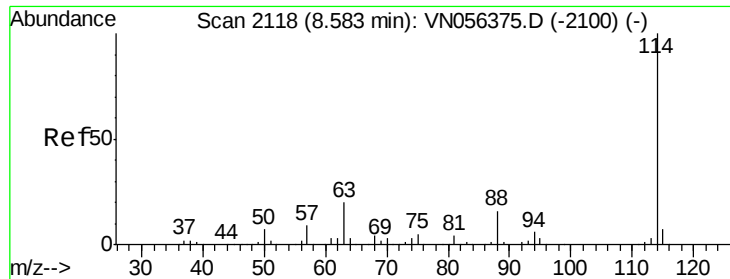
67 55.2 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

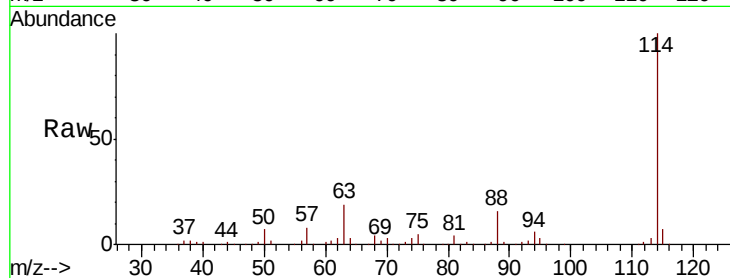




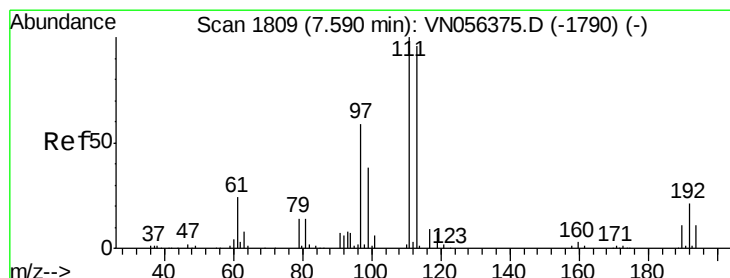
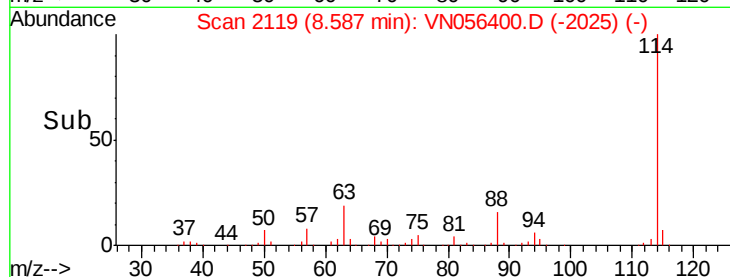
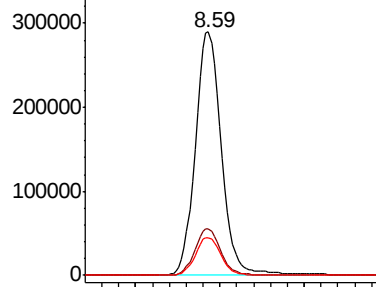
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

Instrument :
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ClientSampleId :
TP-3-GIS

Tot Ion:114 Resp: 622298
Ion Ratio Lower Upper
114 100
63 18.9 0.0 39.2
88 15.6 0.0 31.4

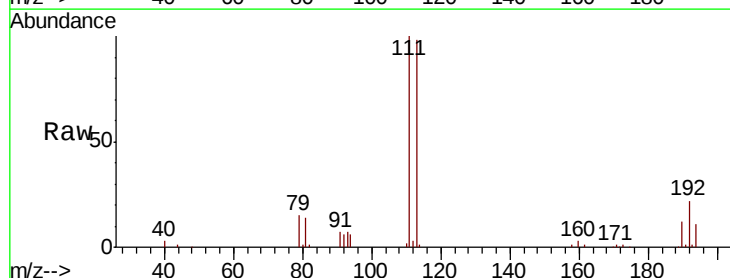


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

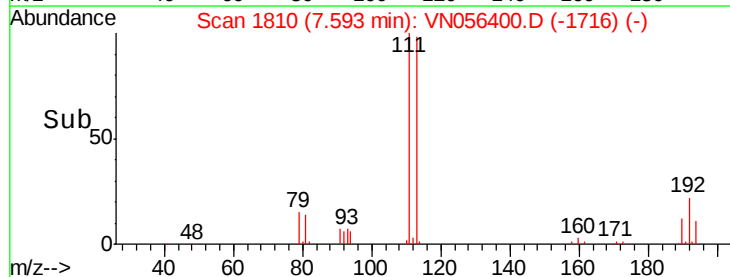
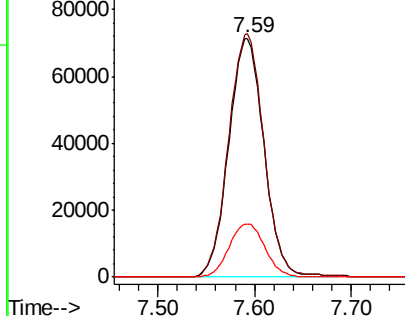


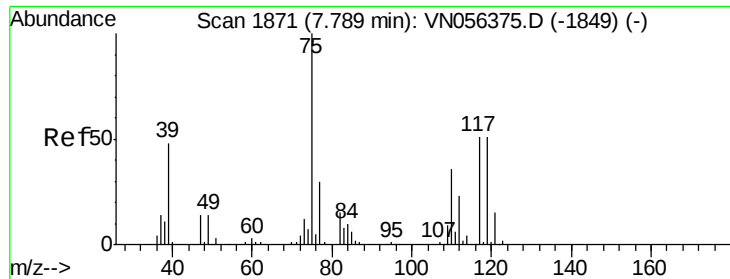
#35
Dibromofluoromethane
Concen: 46.548 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

Tgt Ion:113 Resp: 180703
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 22.6 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: 4.291 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

TP-3-GIS

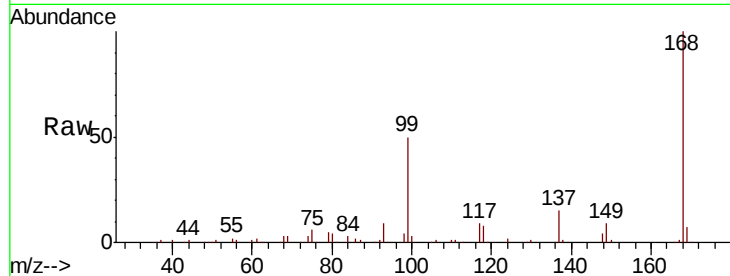
Tot Ion: 75 Resp: 23503

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.3#

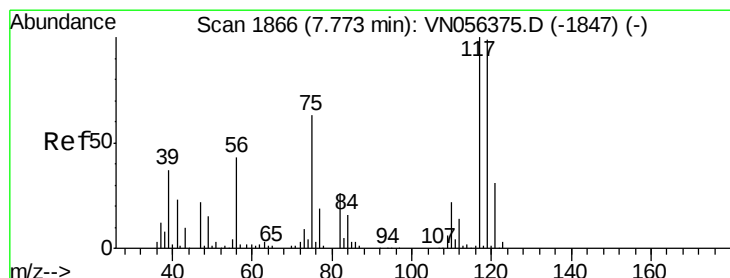
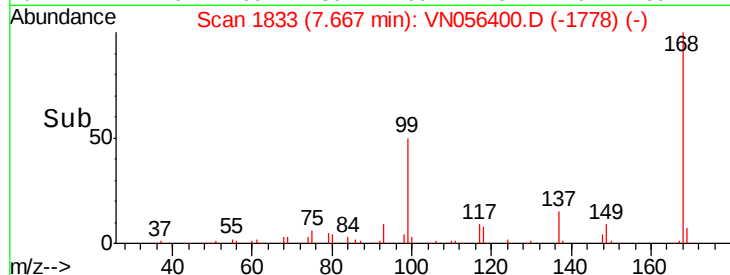
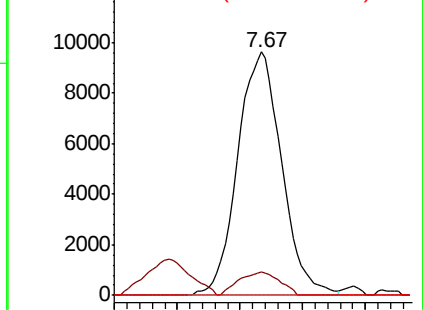
77 0.0 24.6 36.8#



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: 6.723 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

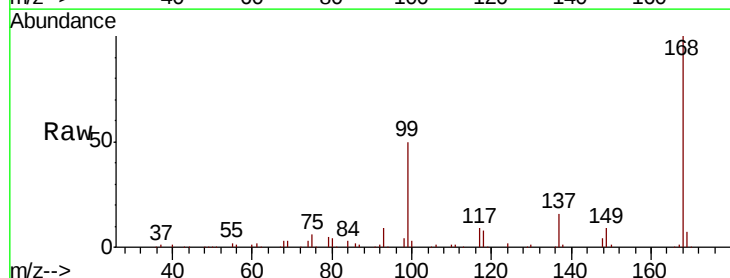
Tgt Ion: 117 Resp: 32204

Ion Ratio Lower Upper

117 100

119 5.6 79.1 118.7#

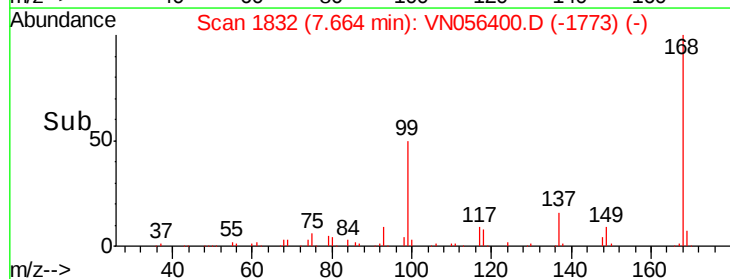
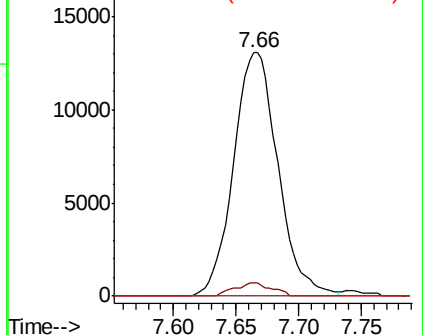
121 0.0 24.8 37.2#

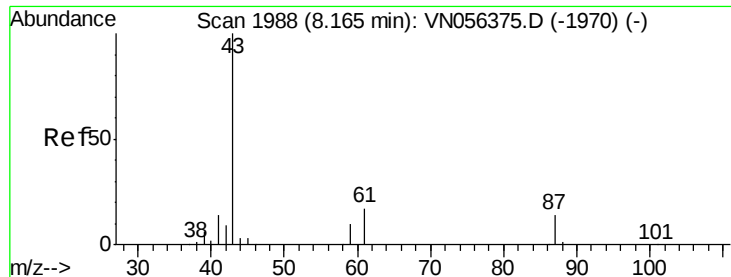


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 1.607 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

TP-3-GIS

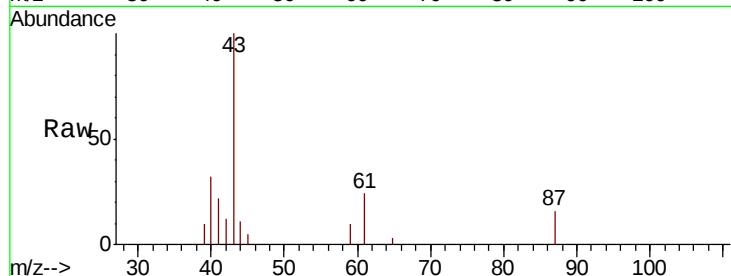
Tot Ion: 43 Resp: 13335

Ion Ratio Lower Upper

43 100

61 22.2 22.0 33.0

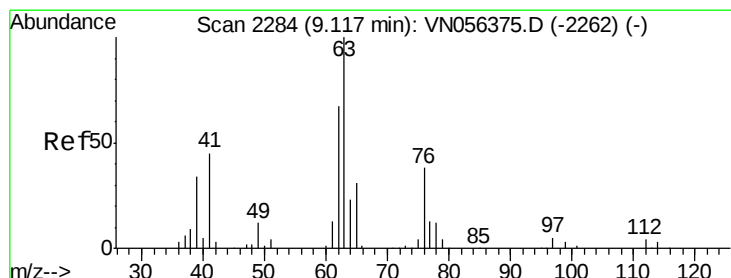
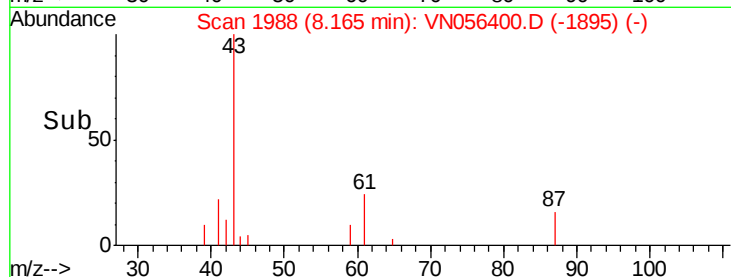
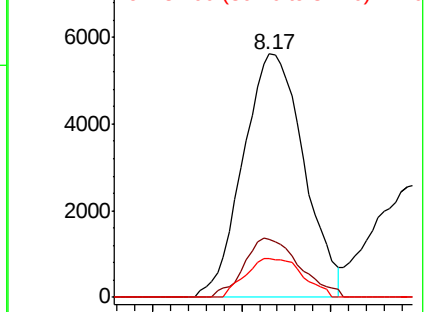
87 15.0 11.0 16.4



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



#45

1,2-Dichloropropane

Concen: 0.455 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN056400.D

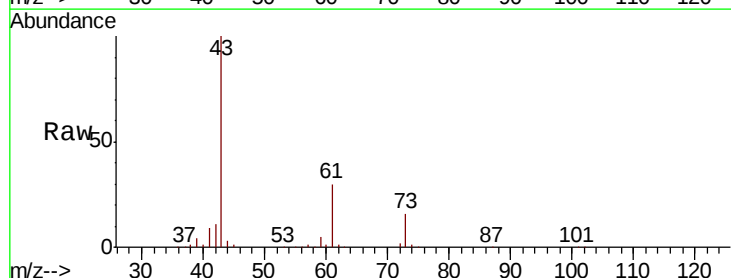
Acq: 20 Jun 2019 14:15

Tgt Ion: 63 Resp: 2049

Ion Ratio Lower Upper

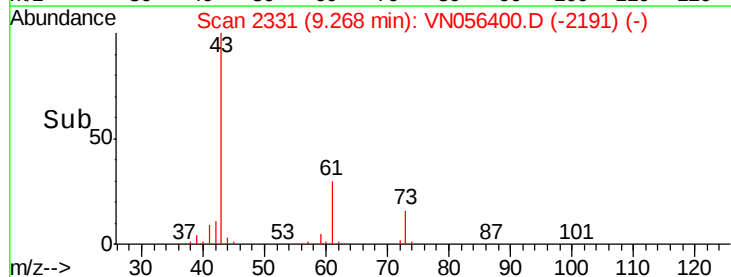
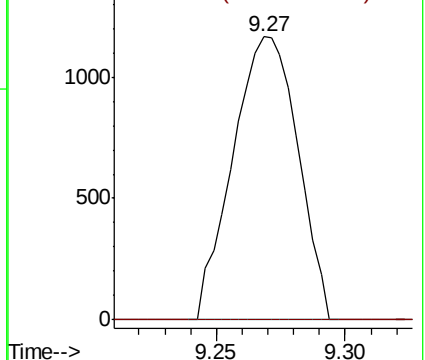
63 100

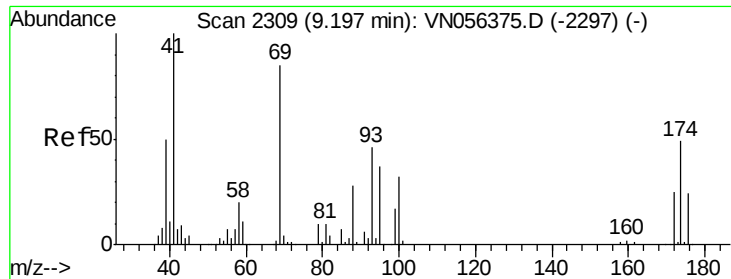
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

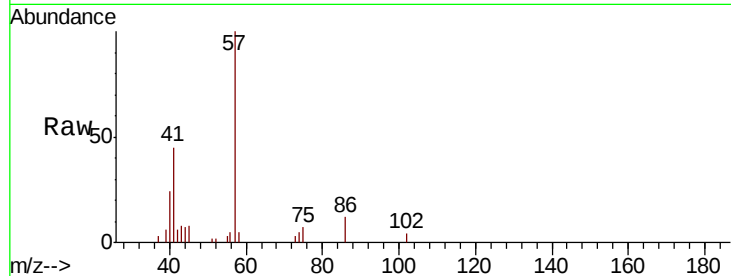




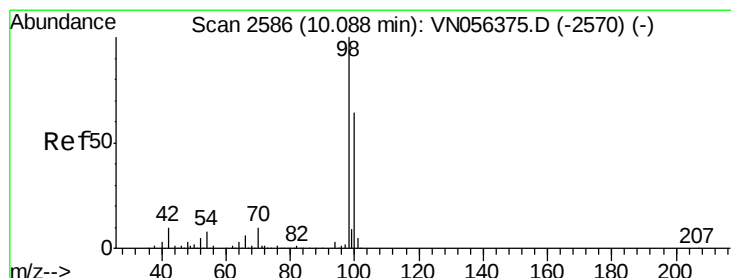
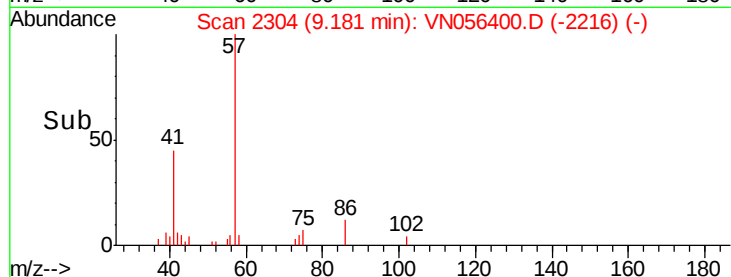
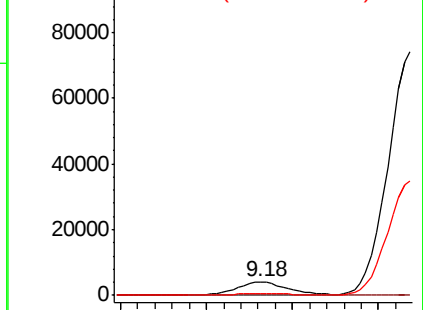
#48
Methvl methacrylate
Concen: 2.044 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
TP-3-GIS

Tot Ion: 41 Resp: 8502
Ion Ratio Lower Upper
41 100
69 0.0 72.6 109.0#
39 0.0 42.6 63.8#

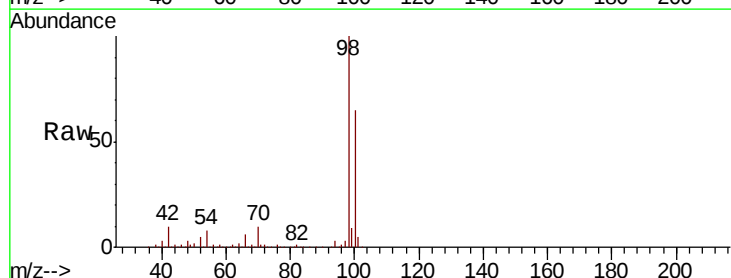


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

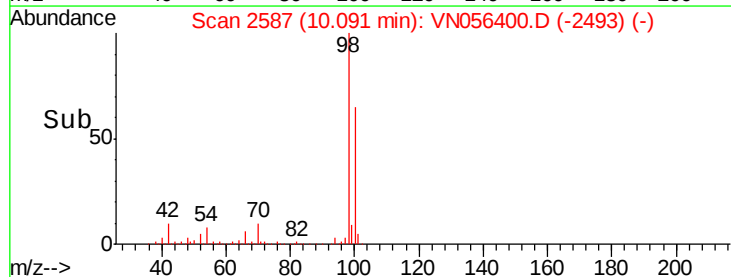
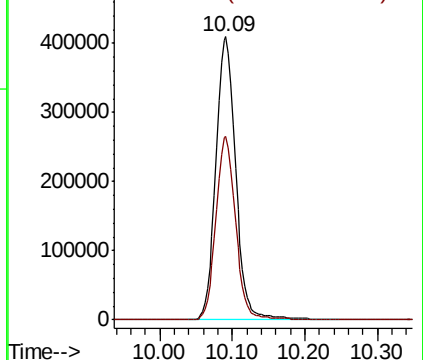


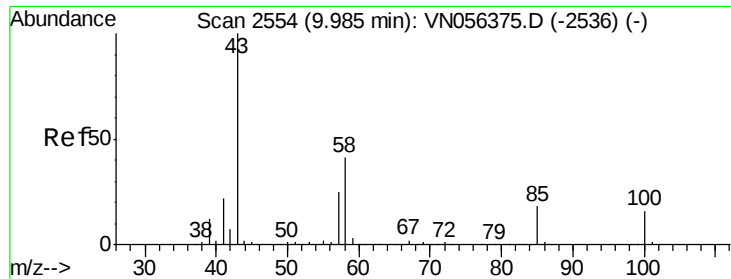
#50
Toluene-d8
Concen: 51.515 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

Tgt Ion: 98 Resp: 778162
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.865 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

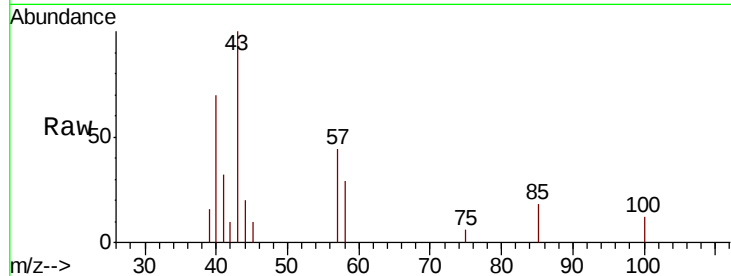
TP-3-GIS

Tot Ion: 43 Resp: 4635

Ion Ratio Lower Upper

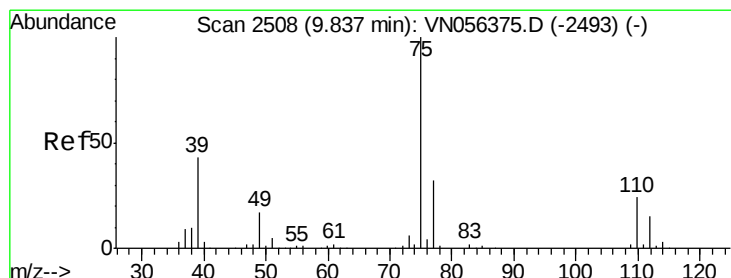
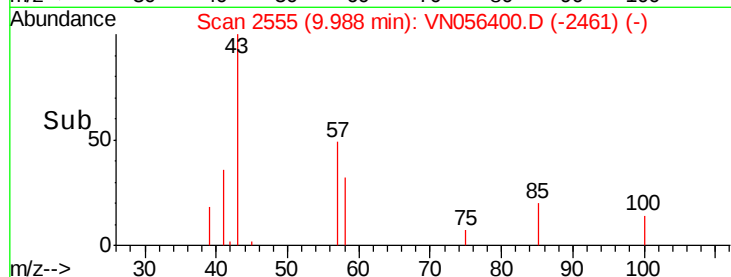
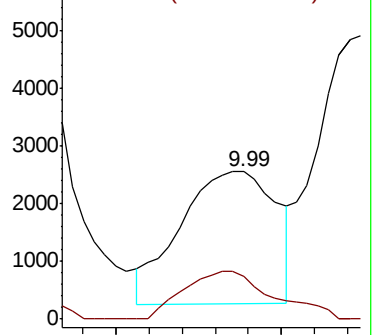
43 100

58 33.7 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN056375.D (-2536) (-)



#54

cis-1,3-Dichloropropene

Concen: 9.722 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

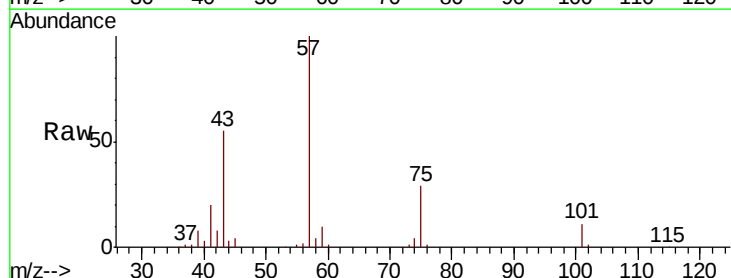
Tgt Ion: 75 Resp: 58535

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

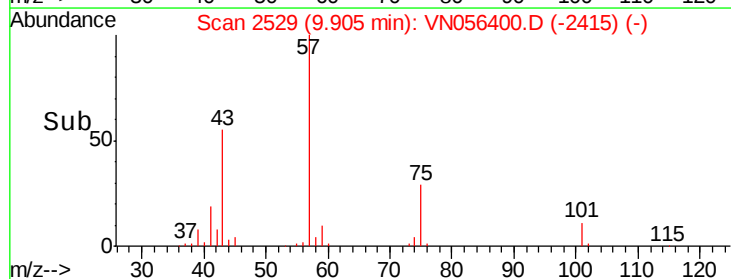
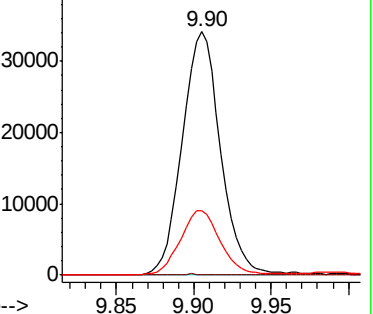
39 26.7 34.2 51.4#

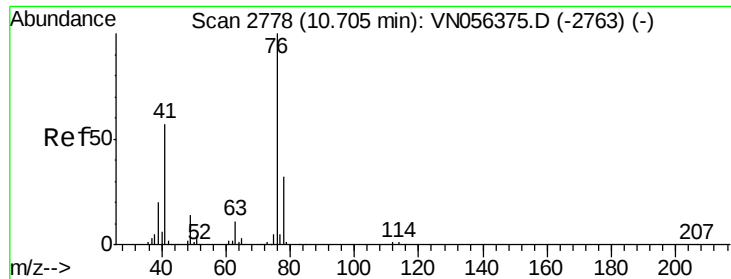


Abundance Ion 74.90 (74.60 to 75.60): VN056375.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN056375.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN056375.D (-2493) (-)





#57

1,3-Dichloropropane

Concen: 1.925 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

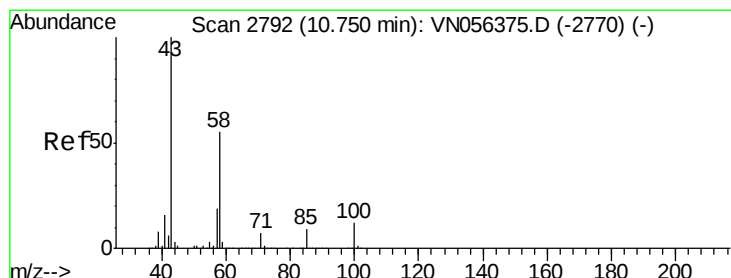
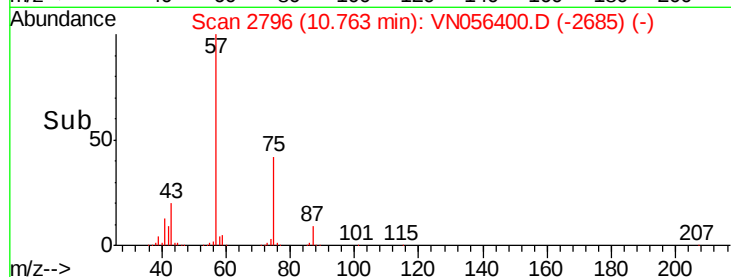
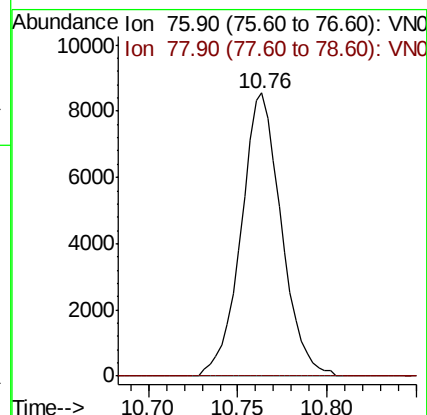
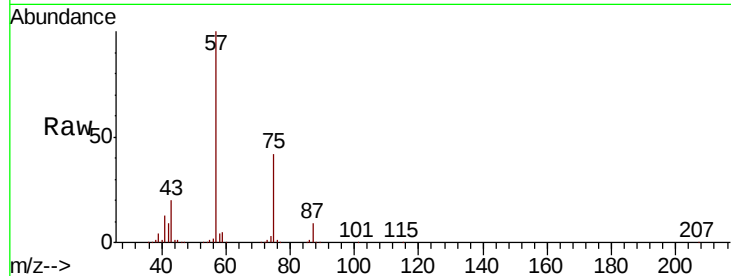
TP-3-GIS

Tot Ion: 76 Resp: 13390

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 46.833 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN056400.D

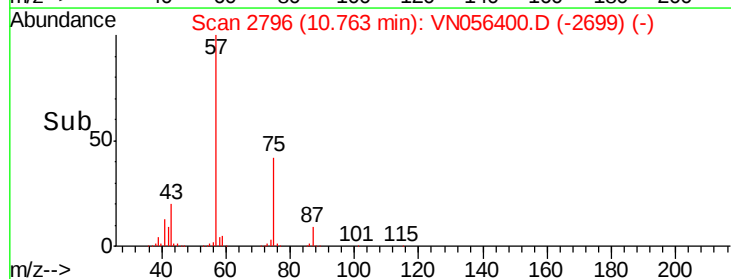
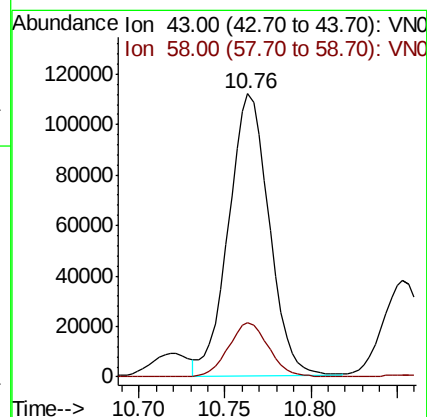
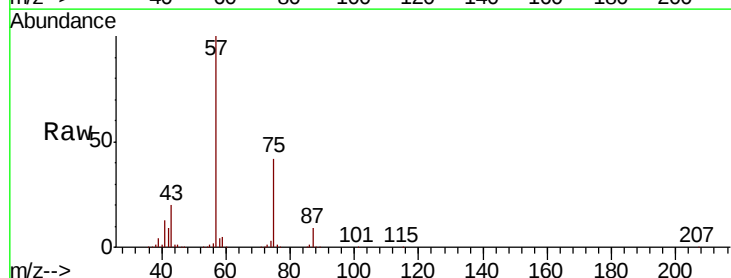
Acq: 20 Jun 2019 14:15

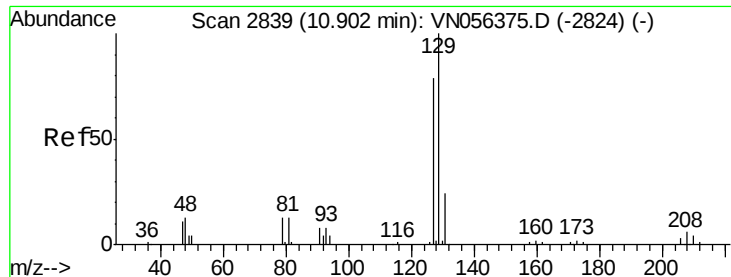
Tgt Ion: 43 Resp: 184399

Ion Ratio Lower Upper

43 100

58 19.3 27.8 83.4#

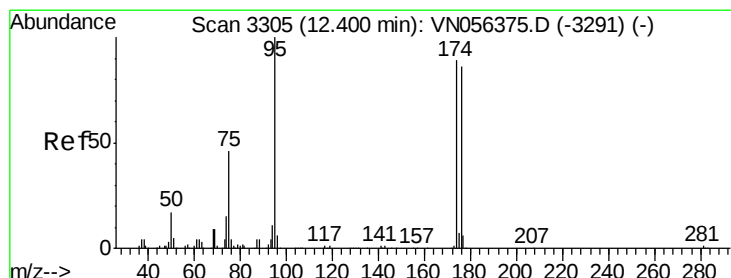
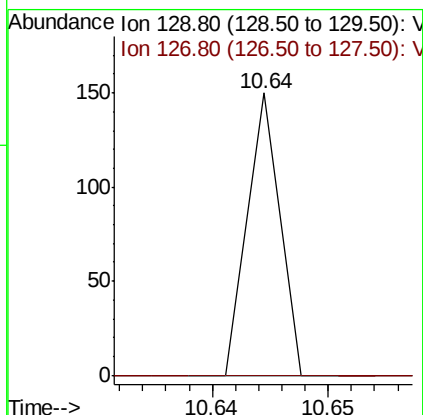
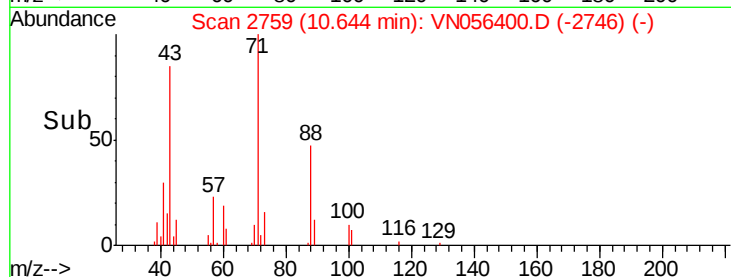
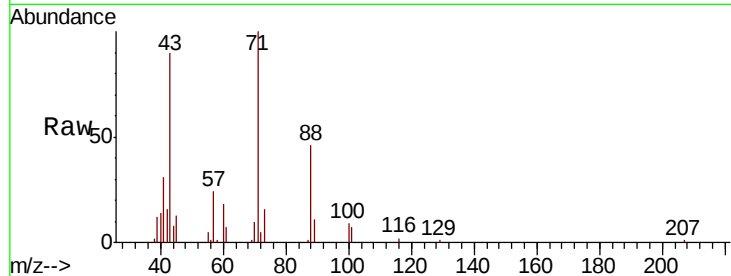




#60
Dibromochloromethane
Concen: 2.388 ug/l
RT: 10.64 min Scan# 2759
Delta R.T. -0.26 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

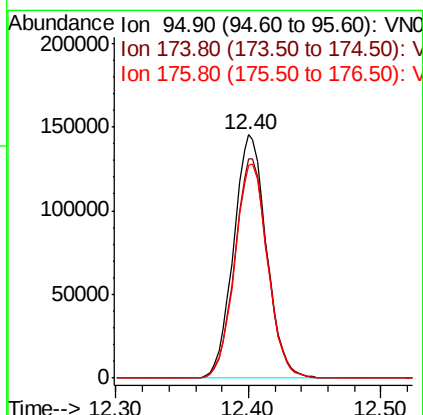
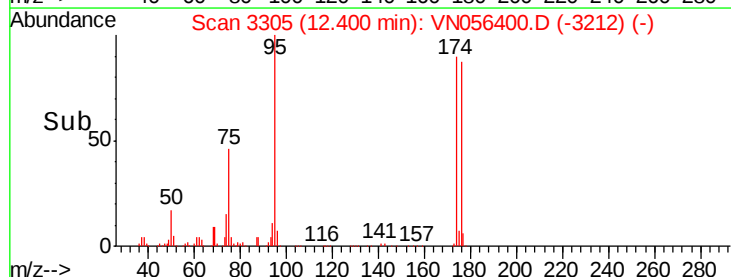
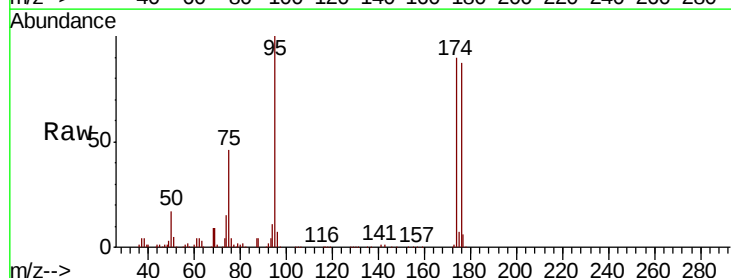
Instrument :
MSVOA_N
ClientSampled :
TP-3-GIS

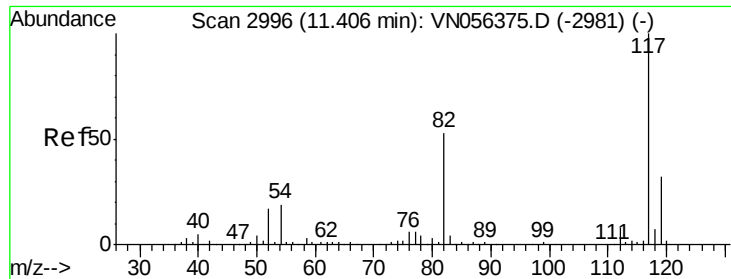
Tot Ion:129 Resp: 29
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#



#62
4-Bromofluorobenzene
Concen: 49.499 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

Tgt Ion: 95 Resp: 249258
Ion Ratio Lower Upper
95 100
174 90.5 0.0 179.4
176 88.3 0.0 173.4

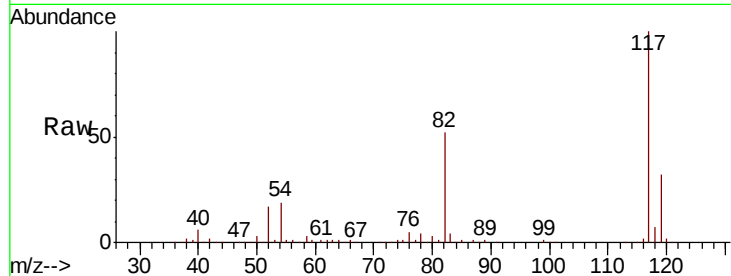




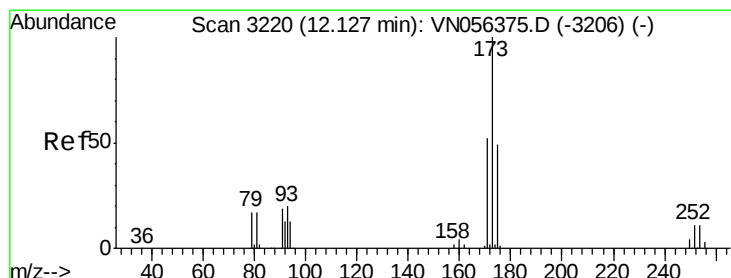
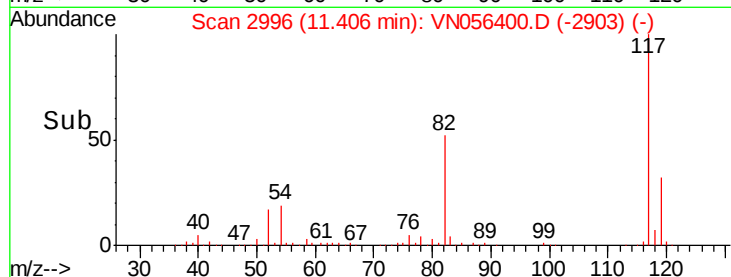
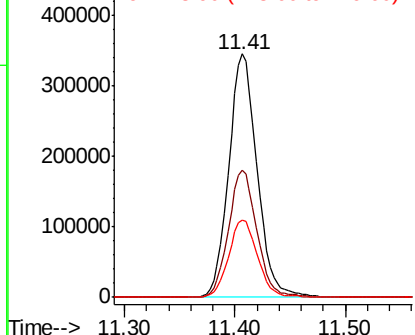
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
TP-3-GIS

Tot Ion:117 Resp: 615804
Ion Ratio Lower Upper
117 100
82 52.3 42.0 63.0
119 32.0 25.3 37.9

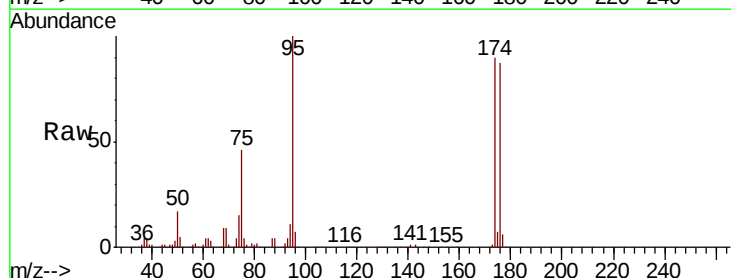


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

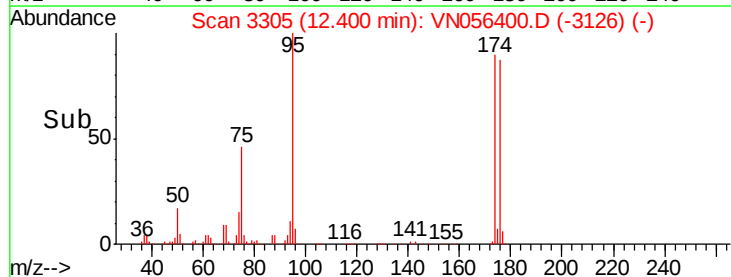
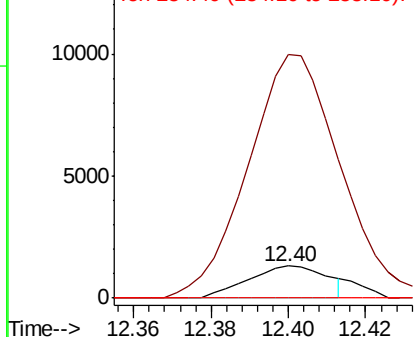


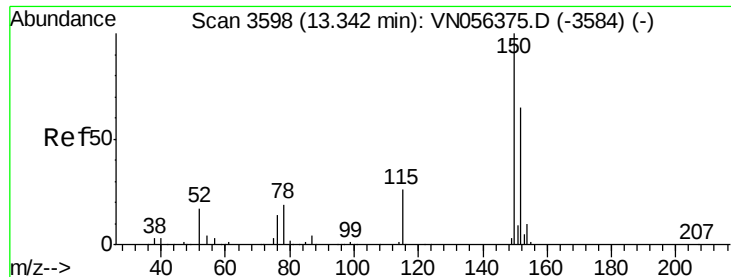
#71
Bromoform
Concen: 3.659 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

Tgt Ion:173 Resp: 1858
Ion Ratio Lower Upper
173 100
175 773.3 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



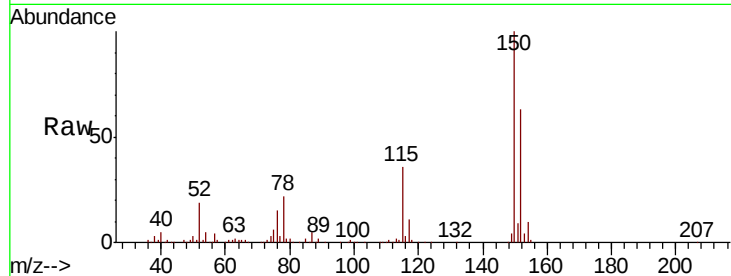


#72

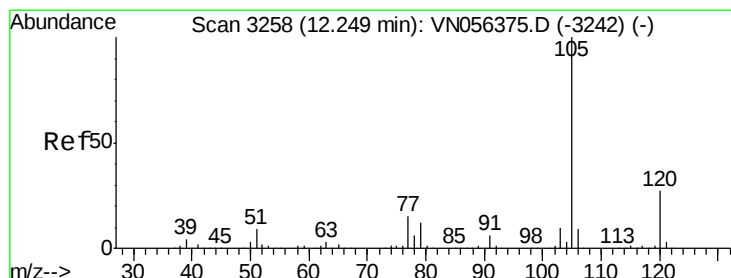
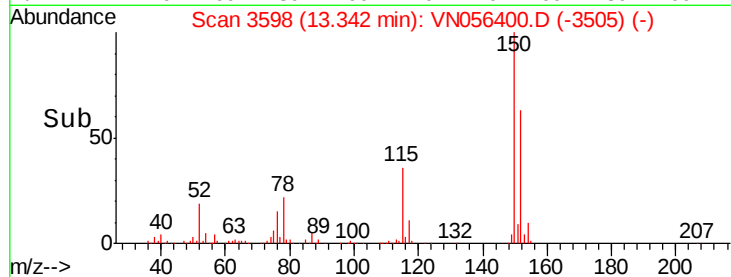
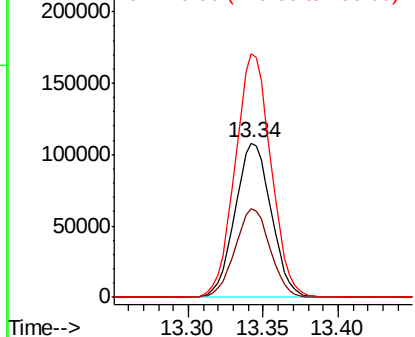
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

Instrument :
MSVOA_N
ClientSampled :
TP-3-GIS

Tot Ion:152 Resp: 182172
Ion Ratio Lower Upper
152 100
115 55.9 28.1 84.4
150 156.1 0.0 348.4



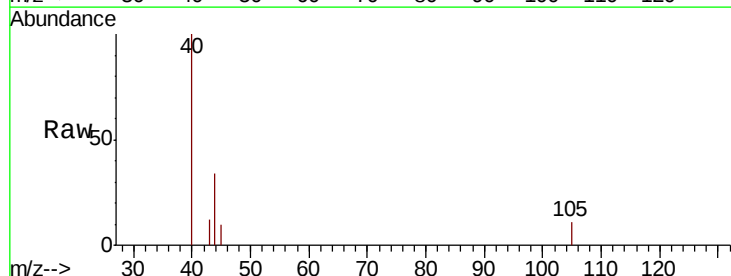
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



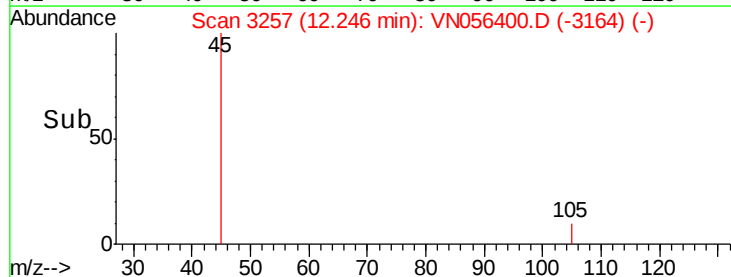
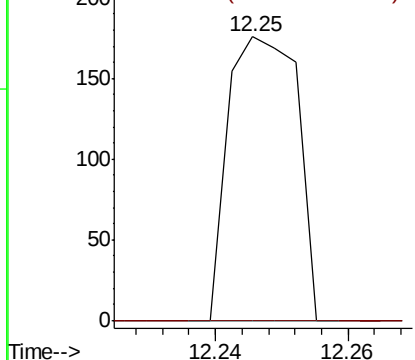
#73

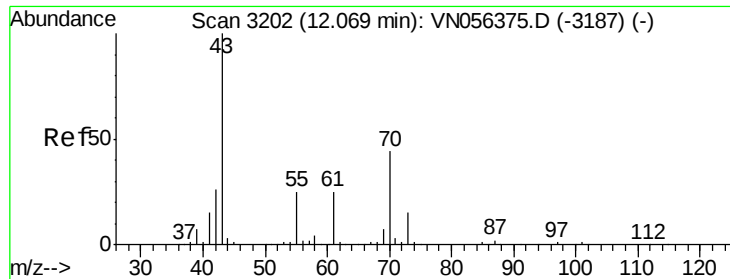
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056400.D
Acq: 20 Jun 2019 14:15

Tgt Ion:105 Resp: 127
Ion Ratio Lower Upper
105 100
120 0.0 13.4 40.2#



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





#74

N-amvl acetate

Concen: 2.923 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

TP-3-GIS

Tot Ion: 43 Resp: 16948

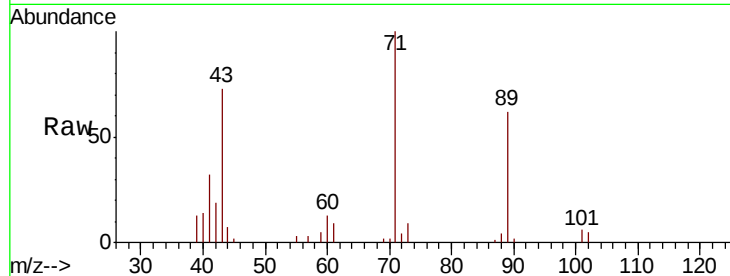
Ion Ratio Lower Upper

43 100

70 1.3 34.9 52.3#

55 4.1 20.4 30.6#

61 10.8 19.8 29.8#

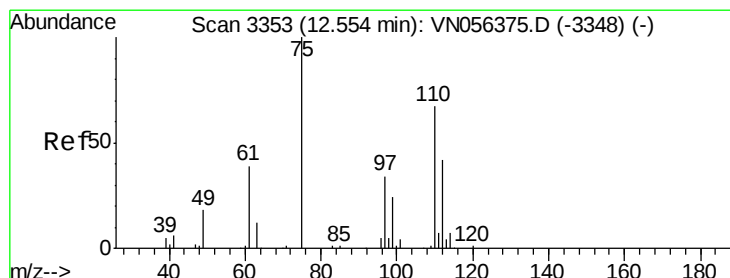
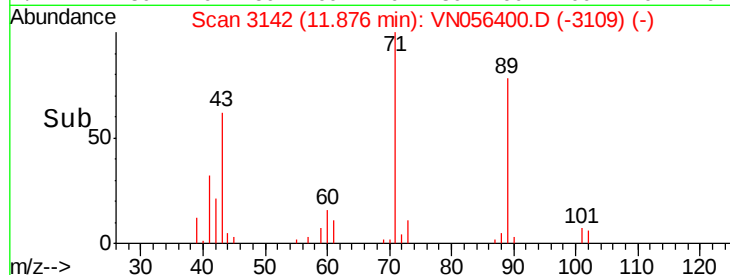
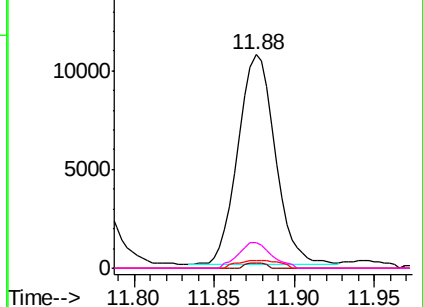


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 30.577 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056400.D

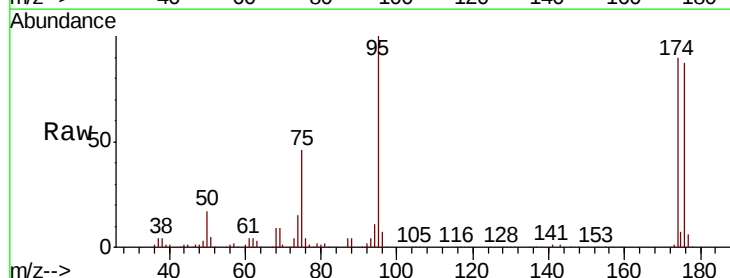
Acq: 20 Jun 2019 14:15

Tgt Ion: 75 Resp: 115499

Ion Ratio Lower Upper

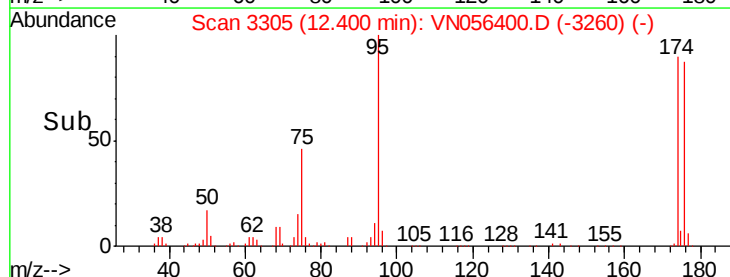
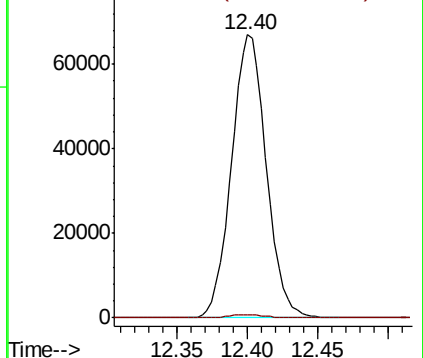
75 100

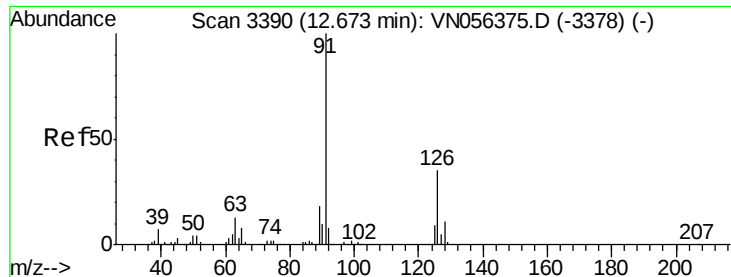
77 1.2 0.0 0.0#



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: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

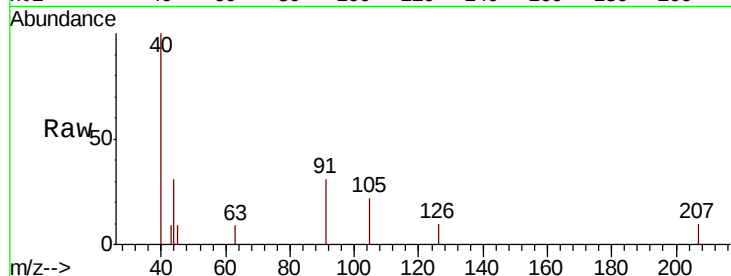
TP-3-GIS

Tot Ion: 91 Resp: 910

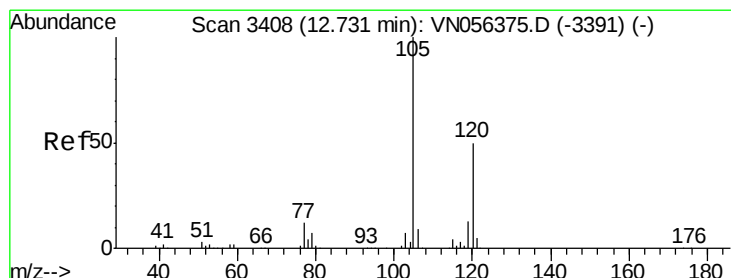
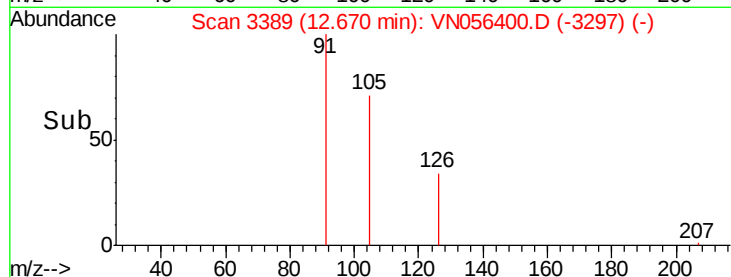
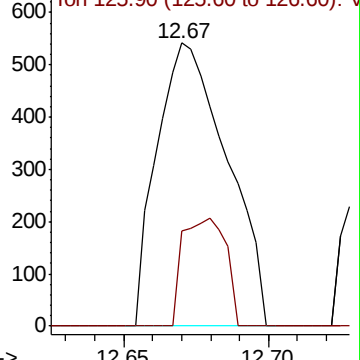
Ion Ratio Lower Upper

91 100

126 23.5 17.6 52.8



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



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056400.D

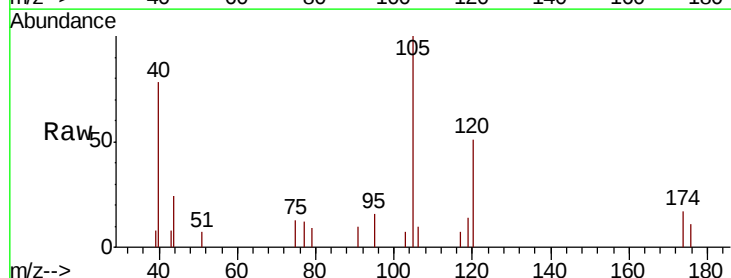
Acq: 20 Jun 2019 14:15

Tgt Ion: 105 Resp: 4003

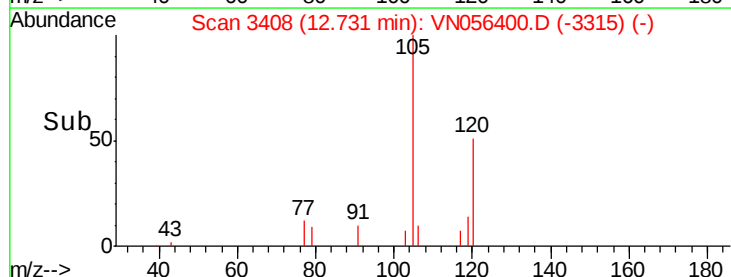
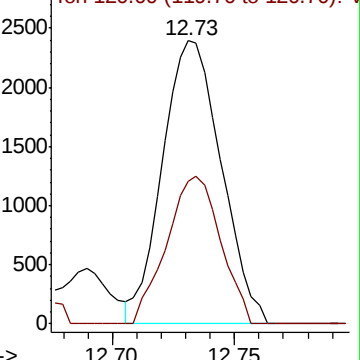
Ion Ratio Lower Upper

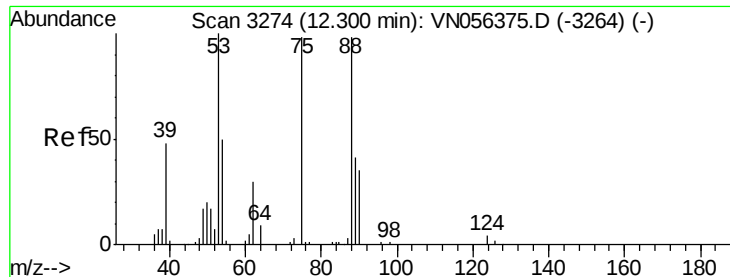
105 100

120 47.8 24.8 74.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 108.674 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

TP-3-GIS

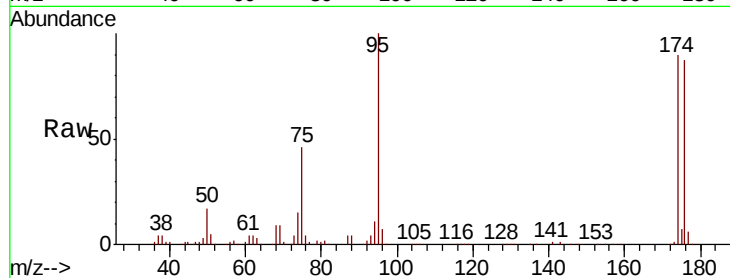
Tot Ion: 75 Resp: 115499

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

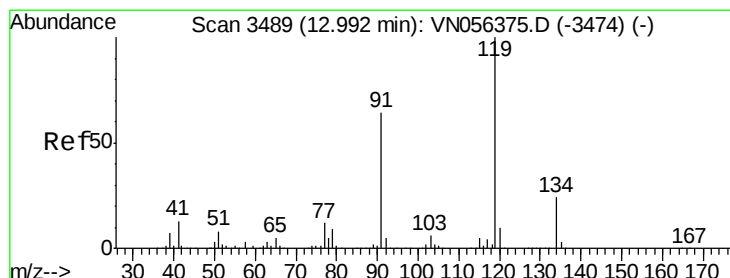
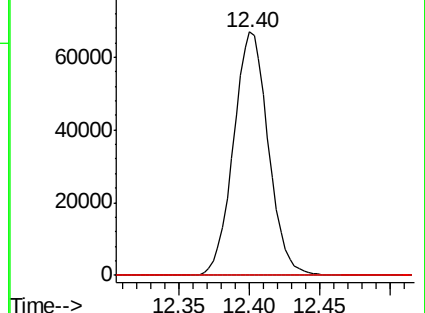
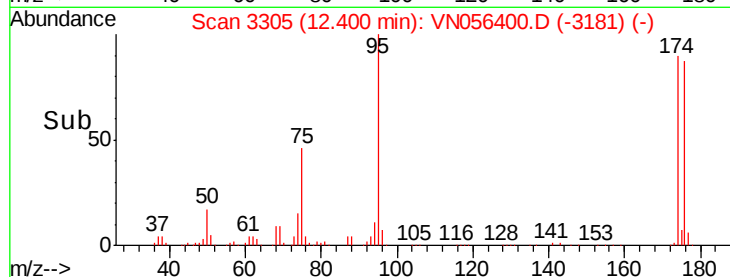
89 0.0 35.0 52.6#



Abundance Ion 74.90 (74.60 to 75.60): VN056400.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN056400.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN056400.D (-3181) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.04 min Scan# 3503

Delta R.T. 0.05 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

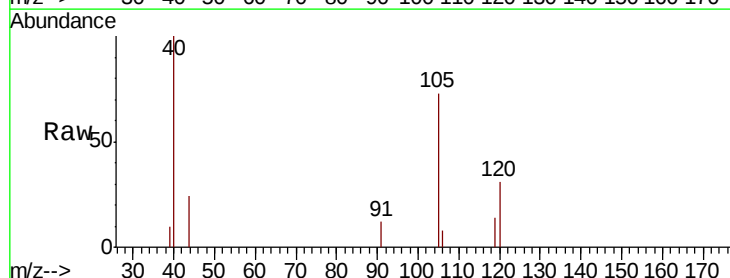
Tgt Ion: 119 Resp: 273

Ion Ratio Lower Upper

119 100

91 107.7 31.6 94.7#

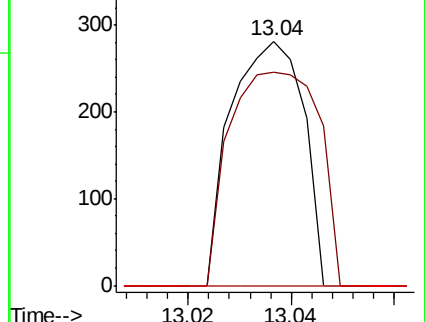
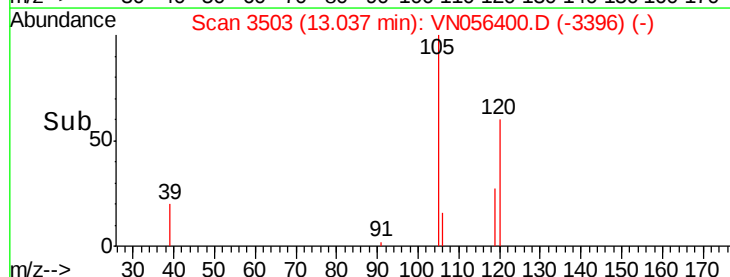
134 0.0 13.2 39.5#

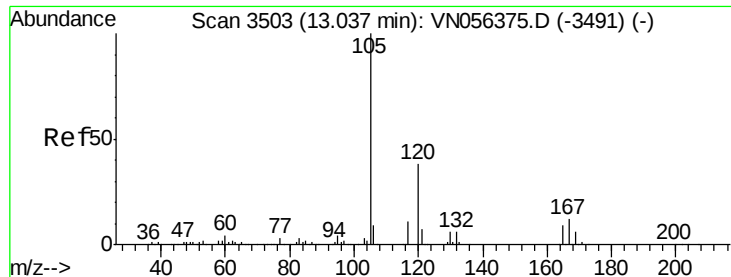


Abundance Ion 119.00 (118.70 to 119.70): VN056400.D (-3396) (-)

Ion 91.00 (90.70 to 91.70): VN056400.D (-3396) (-)

Ion 134.00 (133.70 to 134.70): VN056400.D (-3396) (-)

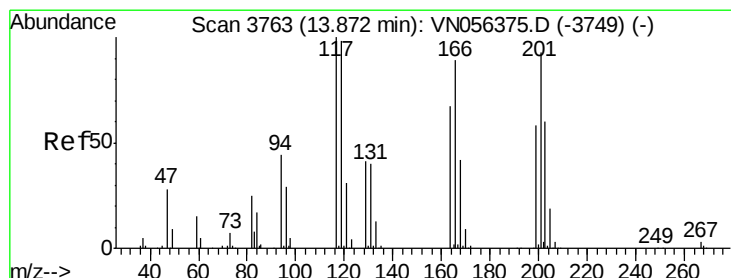
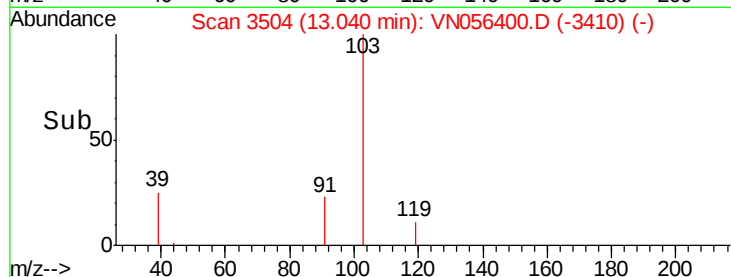
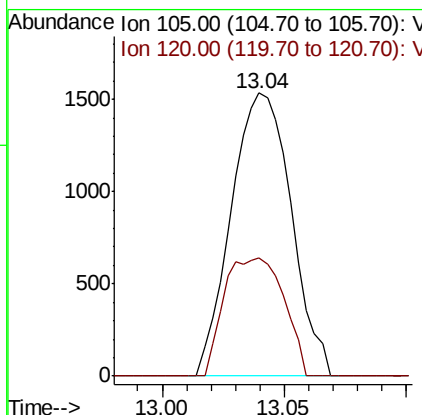
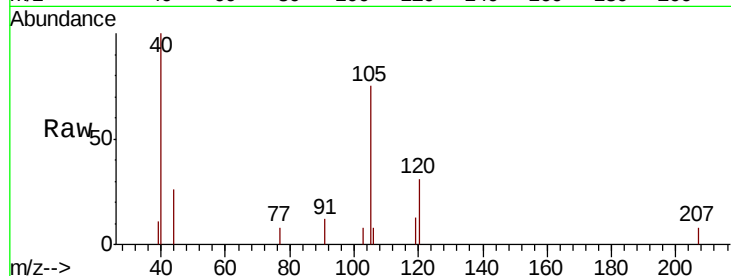




#84
 1,2,4-Trimethylbenzene
 Concen: 0.214 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056400.D
 Acq: 20 Jun 2019 14:15

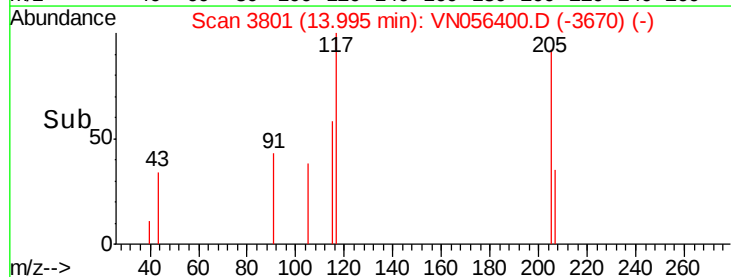
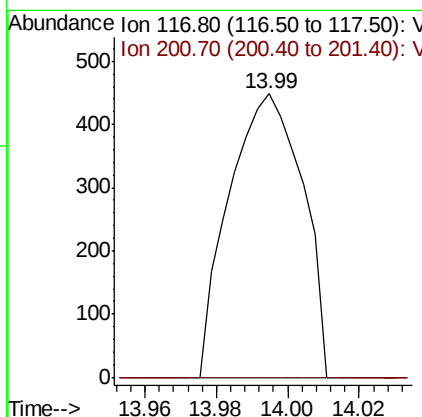
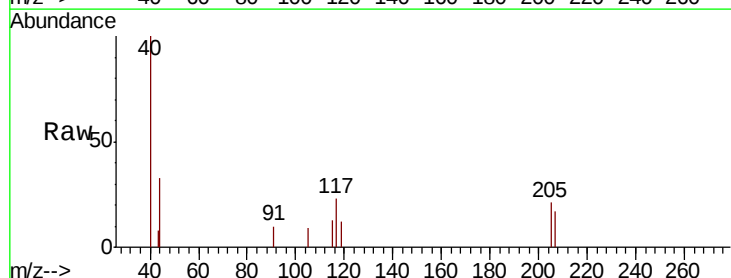
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3-GIS

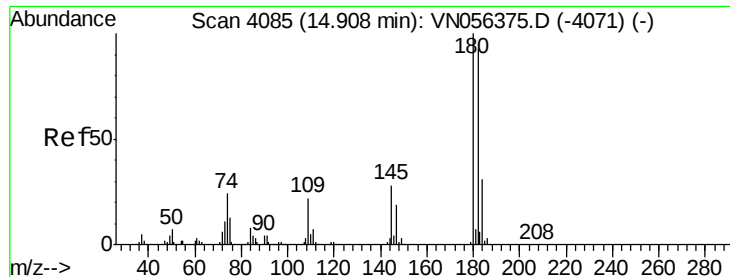
Tot Ion:105 Resp: 2622
 Ion Ratio Lower Upper
 105 100
 120 41.7 22.9 68.8



#90
 Hexachloroethane
 Concen: 0.325 ug/l
 RT: 13.99 min Scan# 3801
 Delta R.T. 0.12 min
 Lab File: VN056400.D
 Acq: 20 Jun 2019 14:15

Tgt Ion:117 Resp: 637
 Ion Ratio Lower Upper
 117 100
 201 0.0 45.9 137.6#





#93

1,2,4-Trichlorobenzene

Concen: 5.622 ug/l

RT: 14.90 min Scan# 4083

Delta R.T. -0.01 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

TP-3-GIS

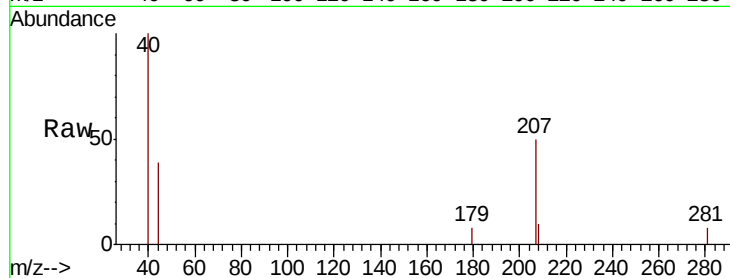
Tot Ion:180 Resp: 29

Ion Ratio Lower Upper

180 100

182 0.0 46.9 140.6#

145 103.4 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

14.90

15.13

15.15

15.17

15.19

15.21

15.23

15.25

15.27

15.29

15.31

15.33

15.35

15.37

15.39

15.41

15.43

15.45

15.47

15.49

15.51

15.53

15.55

15.57

15.59

15.61

15.63

15.65

15.67

15.69

15.71

15.73

15.75

15.77

15.79

15.81

15.83

15.85

15.87

15.89

15.91

15.93

15.95

15.97

15.99

16.01

16.03

16.05

16.07

16.09

16.11

16.13

16.15

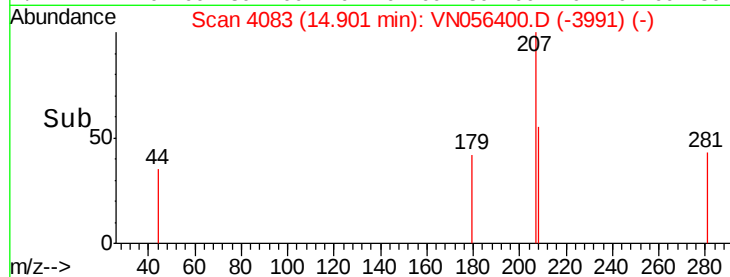
16.17

16.19

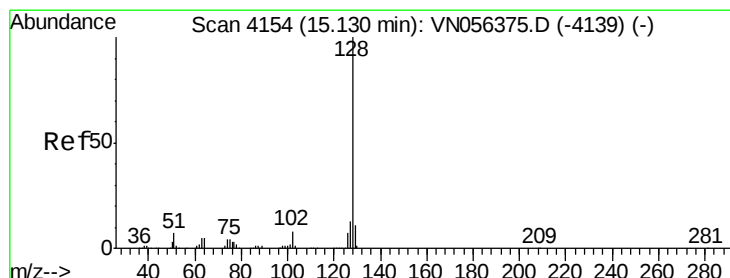
16.21

16.23

16.25



Time--> 14.89 14.90 14.91



#95

Naphthalene

Concen: 5.879 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056400.D

Acq: 20 Jun 2019 14:15

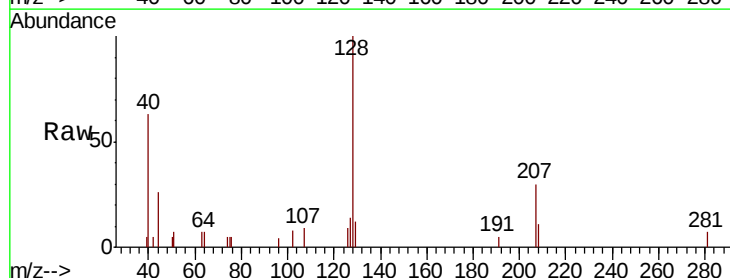
Tgt Ion:128 Resp: 5910

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.2

129 11.8 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

15.13

15.15

15.17

15.19

15.21

15.23

15.25

15.27

15.29

15.31

15.33

15.35

15.37

15.39

15.41

15.43

15.45

15.47

15.49

15.51

15.53

15.55

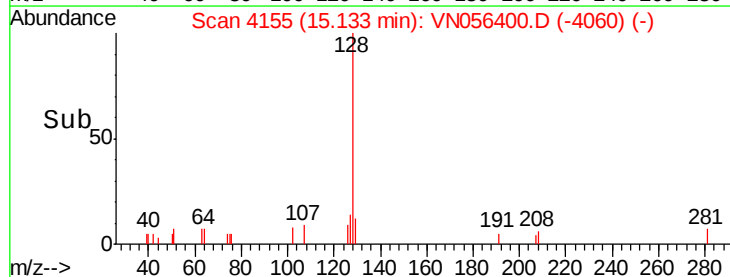
15.57

15.59

15.61

15.63

15.65



Time--> 15.10 15.13 15.15