

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055758.D
 Acq On : 23 May 2019 17:11
 Operator : JC/SP
 Sample : K3008-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-21

Quant Time: May 24 06:49:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	449736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	622386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	556419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	218101	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	204906	44.12	ug/l	0.00
Spiked Amount			Recovery	=	88.24%	
35) Dibromofluoromethane	7.59	113	190055	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
50) Toluene-d8	10.09	98	738137	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	241896	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

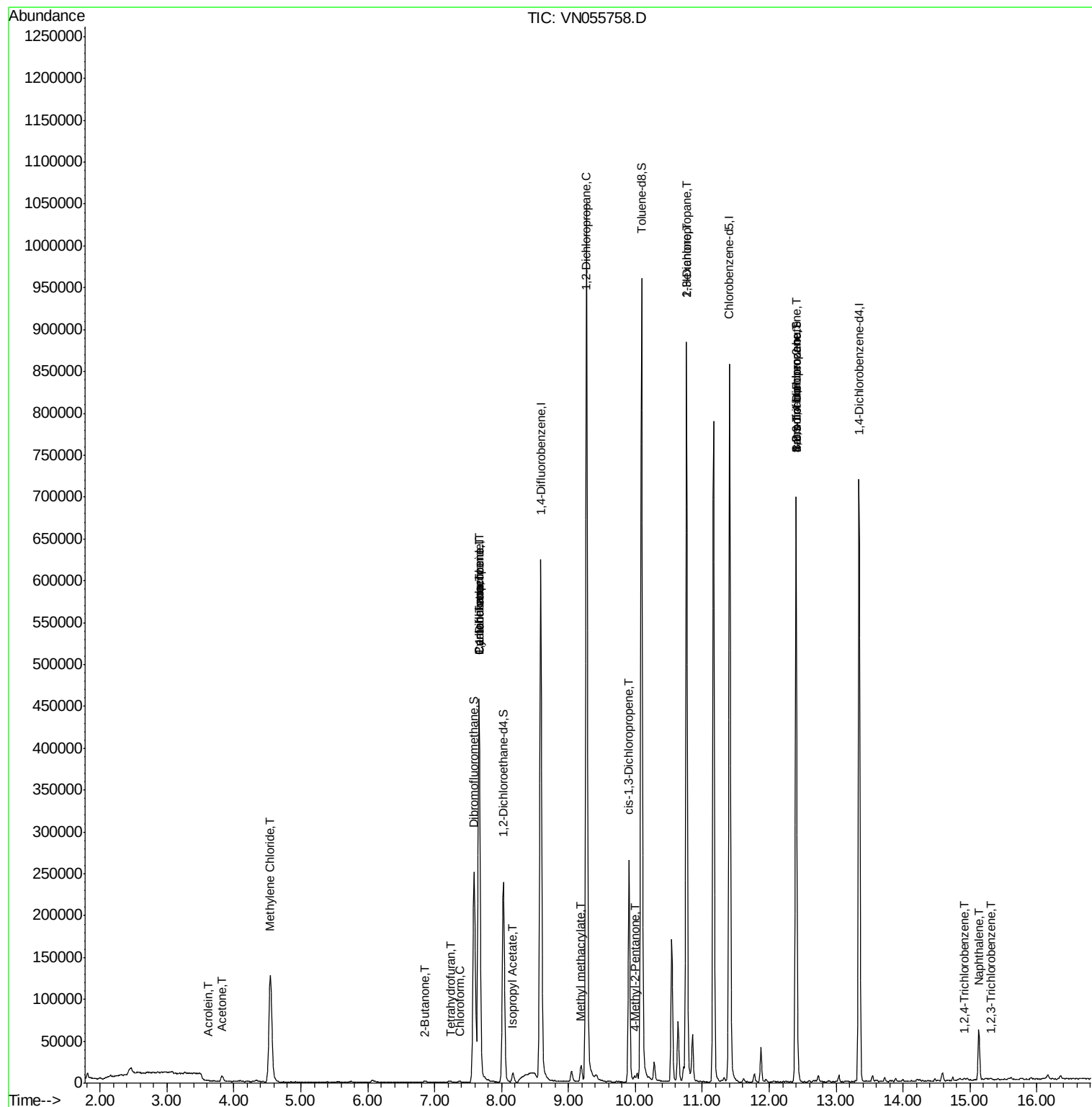
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	191	0.301	ug/l #	15
16) Acetone	3.82	43	10694	5.238	ug/l	100
18) Methyl Acetate	4.34	43	3079	Below Cal	#	76
20) Methylene Chloride	4.54	84	105525	23.866	ug/l	99
25) 2-Butanone	6.86	43	2475	0.868	ug/l #	47
29) Tetrahydrofuran	7.24	42	1126	0.624	ug/l #	53
30) Chloroform	7.38	83	1877	0.253	ug/l	96
31) Cyclohexane	7.66	56	6459	0.927	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	24625	4.540	ug/l #	49
38) Carbon Tetrachloride	7.66	117	35924	6.359	ug/l #	15
43) Isopropyl Acetate	8.17	43	13258	1.505	ug/l #	89
45) 1,2-Dichloropropane	9.27	63	1386	0.325	ug/l #	44
48) Methyl methacrylate	9.18	41	7336	1.807	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	4400	0.846	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	54070	7.984	ug/l #	56
57) 1,3-Dichloropropane	10.76	76	9849	1.471	ug/l #	42
59) 2-Hexanone	10.76	43	128358	34.783	ug/l #	49
71) Bromoform	12.40	173	1458	0.385	ug/l #	1
73) Isopropylbenzene	12.25	105	705	Below Cal	#	65
74) N-amyl acetate	12.22	43	687	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	111549	28.339	ug/l #	100
79) 2-Chlorotoluene	12.68	91	572	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	4275	Below Cal		95
81) trans-1,4-Dichloro-2-buten	12.40	75	111549	68.815	ug/l #	15
83) tert-Butylbenzene	13.00	119	246	Below Cal	#	28
84) 1,2,4-Trimethylbenzene	13.04	105	5500	Below Cal		99
85) sec-Butylbenzene	13.17	105	1007	Below Cal	#	69
93) 1,2,4-Trichlorobenzene	14.91	180	861	3.826	ug/l #	90
94) Hexachlorobutadiene	15.01	225	199	Below Cal	#	39
95) Naphthalene	15.13	128	57256	5.675	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	798	0.205	ug/l #	88

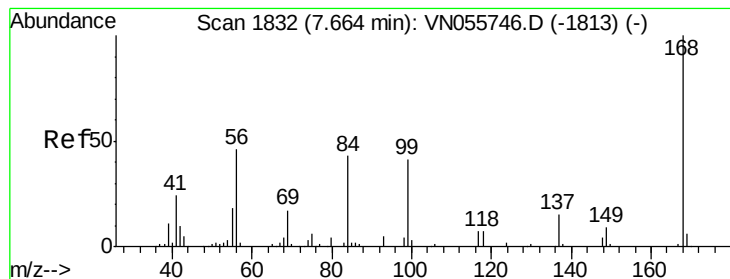
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampleId :

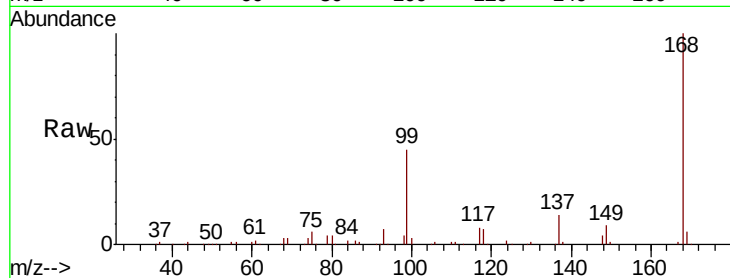
COMP-21

Tot Ion:168 Resp: 449736

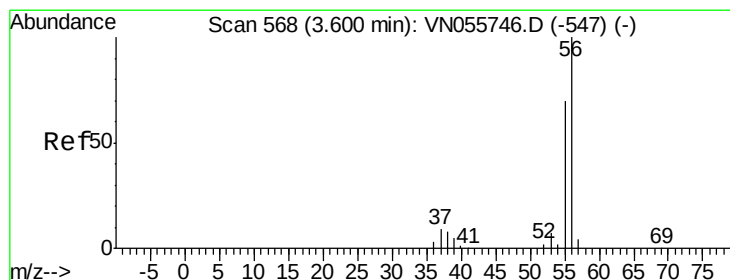
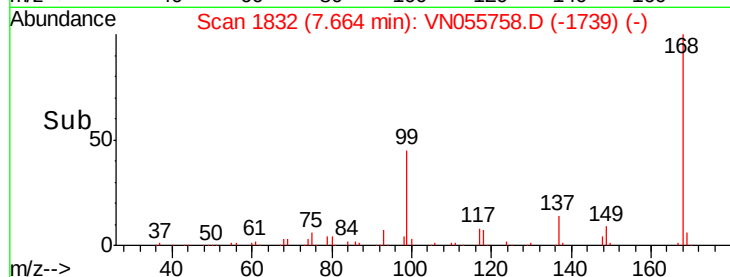
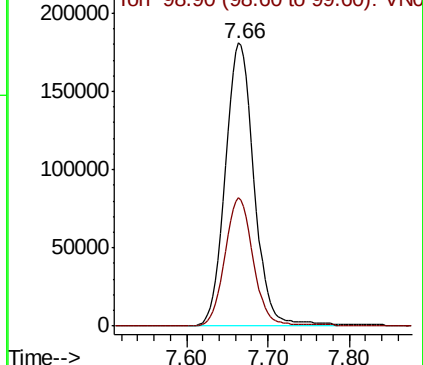
Ion Ratio Lower Upper

168 100

99 45.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)



#13

Acrolein

Concen: 0.301 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN055758.D

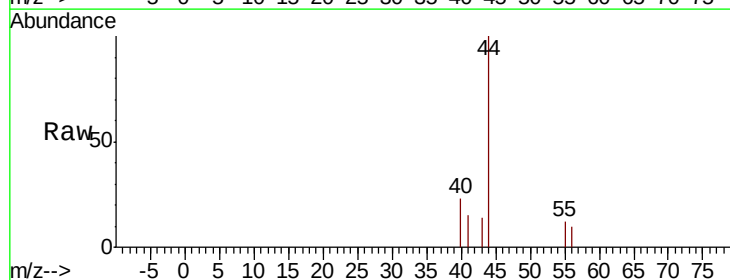
Acq: 23 May 2019 17:11

Tgt Ion: 56 Resp: 191

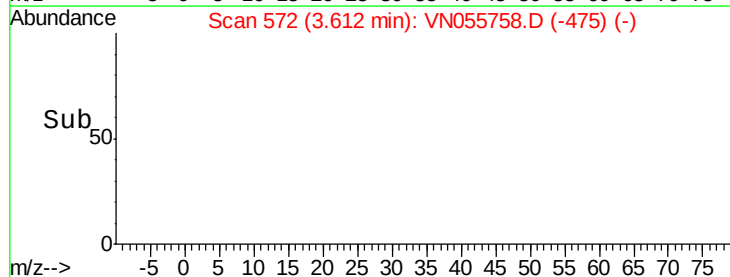
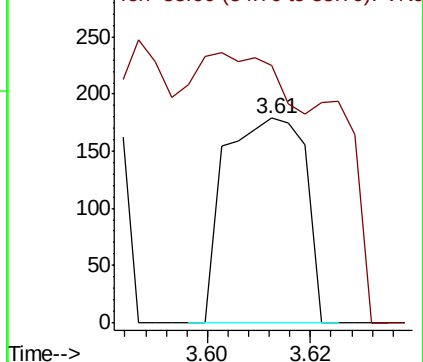
Ion Ratio Lower Upper

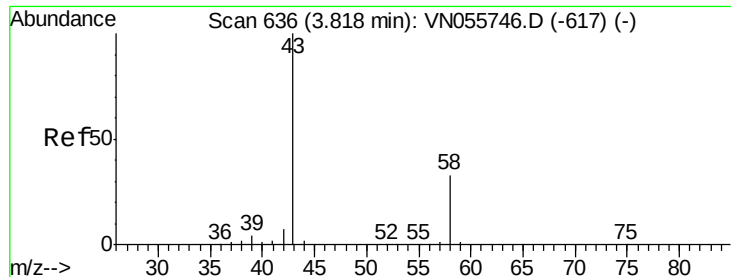
56 100

55 0.0 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VN055746.D (-547) (-)





#16

Acetone

Concen: 5.238 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampled :

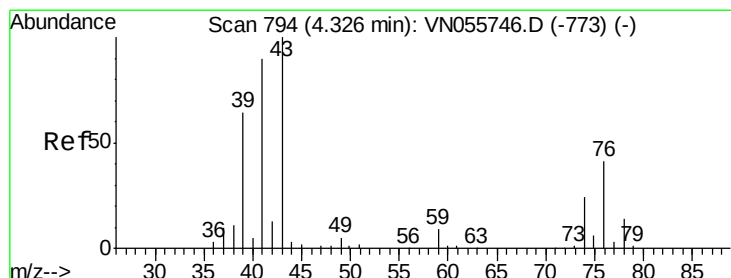
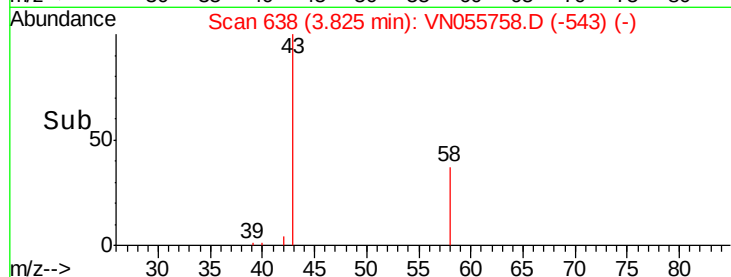
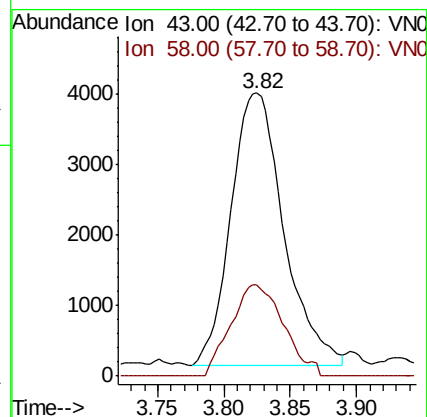
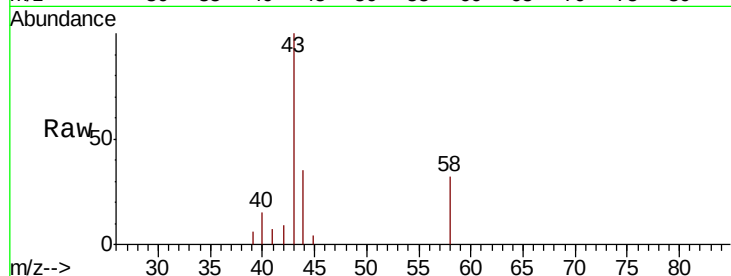
COMP-21

Tot Ion: 43 Resp: 10694

Ion Ratio Lower Upper

43 100

58 33.4 26.6 39.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN055758.D

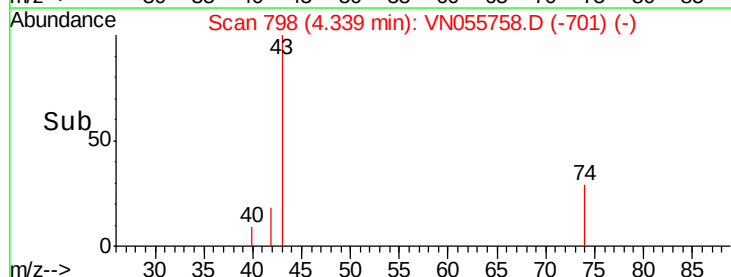
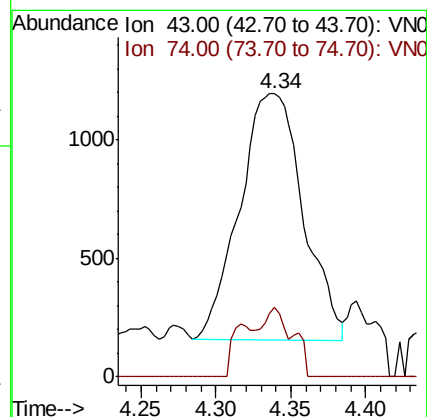
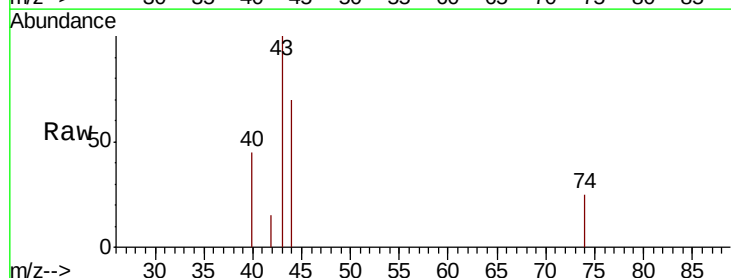
Acq: 23 May 2019 17:11

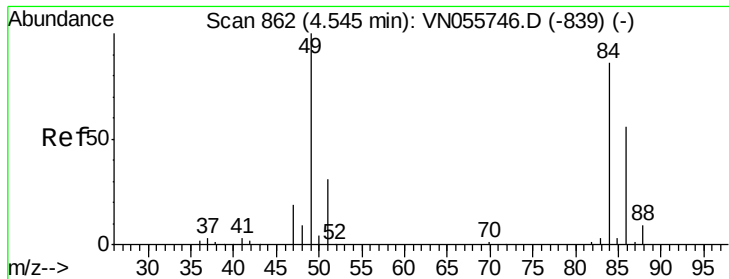
Tgt Ion: 43 Resp: 3079

Ion Ratio Lower Upper

43 100

74 12.1 19.3 28.9#

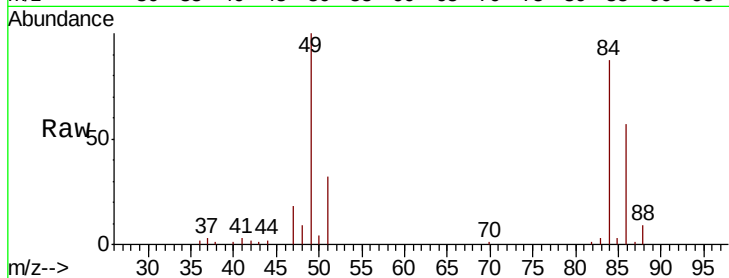




#20
Methvlene Chloride
Concen: 23.866 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055758.D
Acq: 23 May 2019 17:11

Instrument :
MSVOA_N
ClientSampled :
COMP-21

Tot Ion:	84	Resp:	105525
Ion	Ratio	Lower	Upper
84	100		
49	114.8	93.5	140.3
51	36.5	28.6	43.0
86	65.2	52.6	79.0



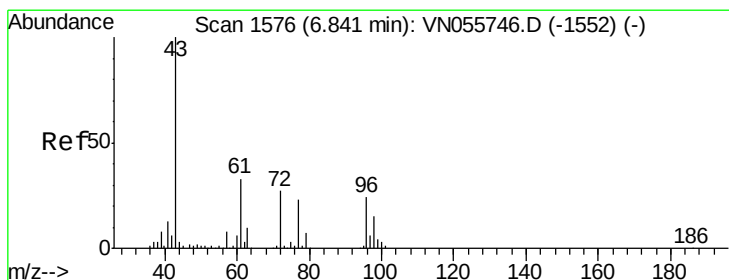
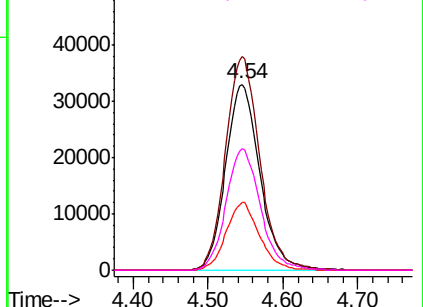
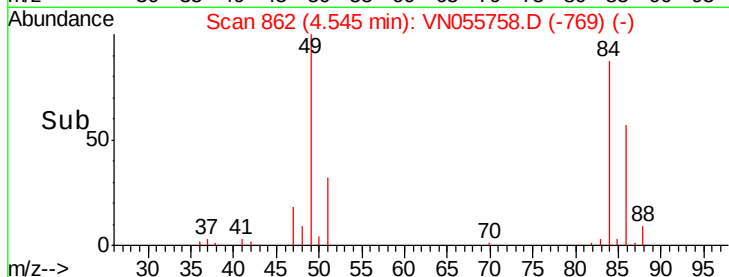
Abundance

Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

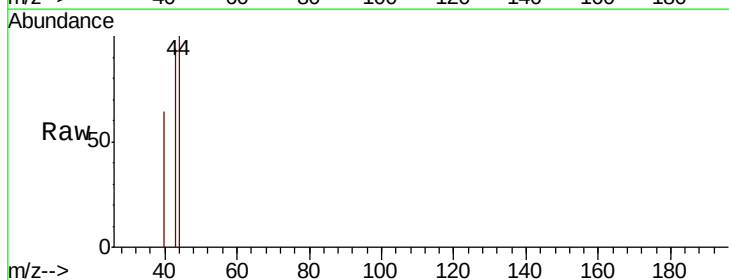
Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#25
2-Butanone
Concen: 0.868 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN055758.D
Acq: 23 May 2019 17:11

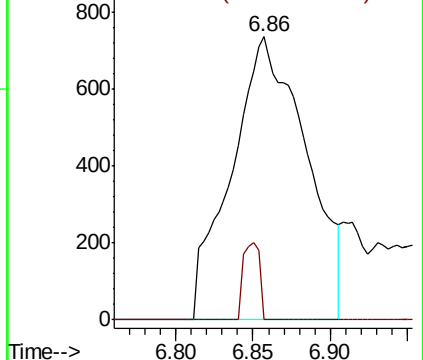
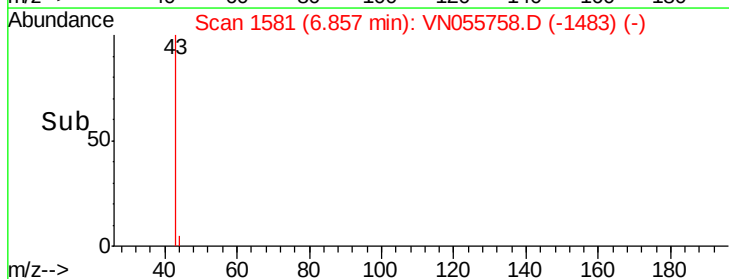
Tgt Ion:	43	Resp:	2475
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.9	32.9#

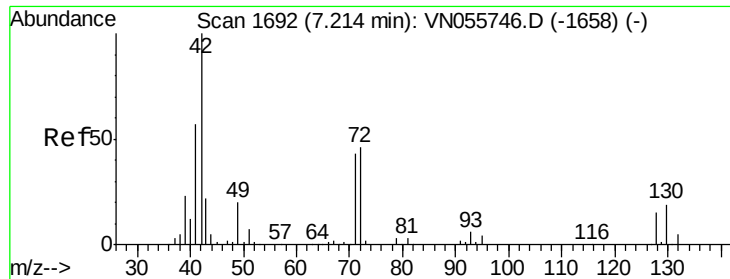


Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO





#29

Tetrahydrofuran

Concen: 0.624 ug/l

RT: 7.24 min Scan# 1699

Delta R.T. 0.02 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampled :

COMP-21

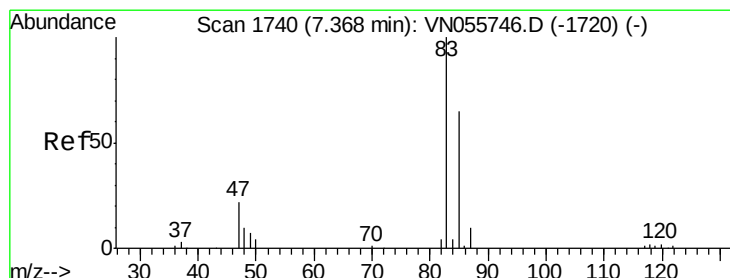
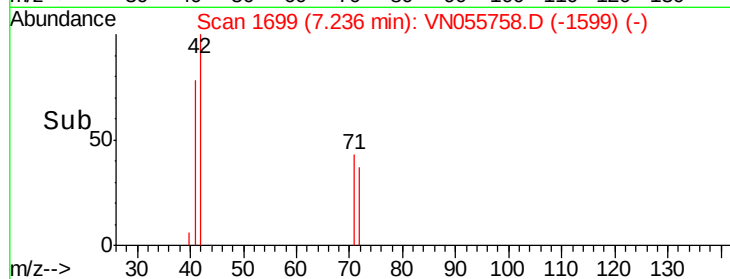
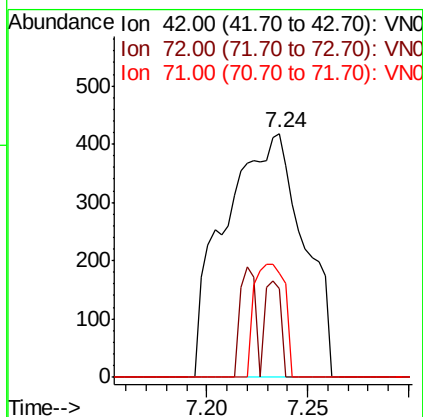
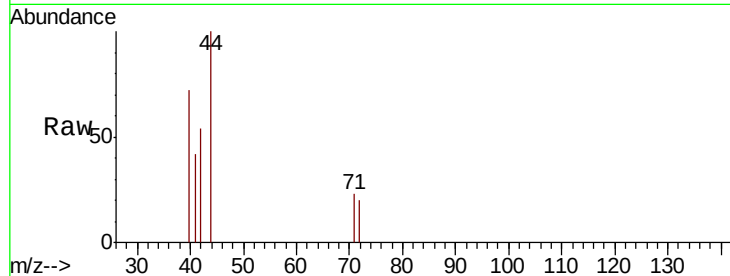
Tot Ion: 42 Resp: 1126

Ion Ratio Lower Upper

42 100

72 8.1 35.9 53.9#

71 18.3 34.0 51.0#



#30

Chloroform

Concen: 0.253 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.01 min

Lab File: VN055758.D

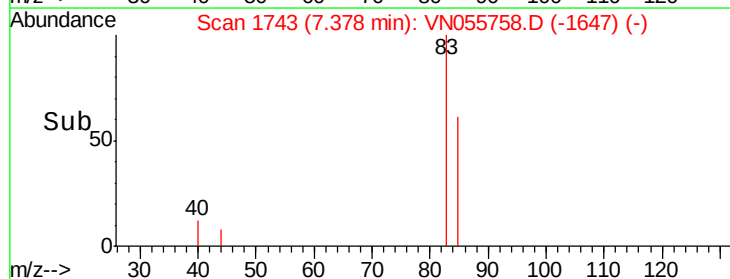
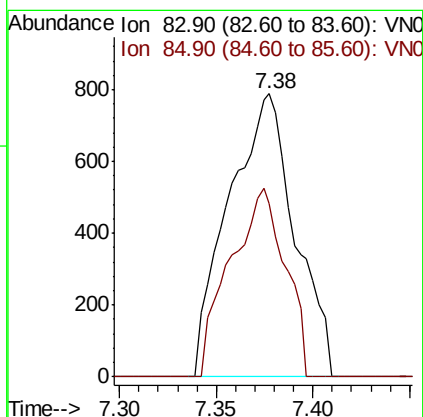
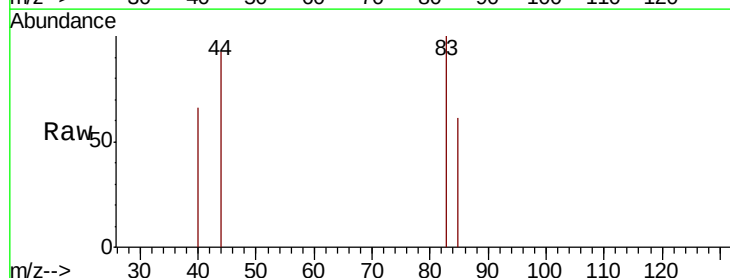
Acq: 23 May 2019 17:11

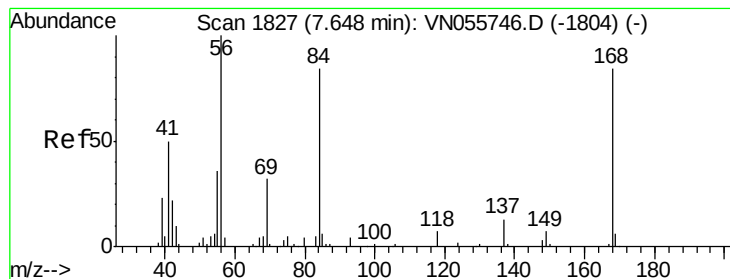
Tgt Ion: 83 Resp: 1877

Ion Ratio Lower Upper

83 100

85 61.3 51.8 77.8





#31

Cyclohexane

Concen: 0.927 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampleId :

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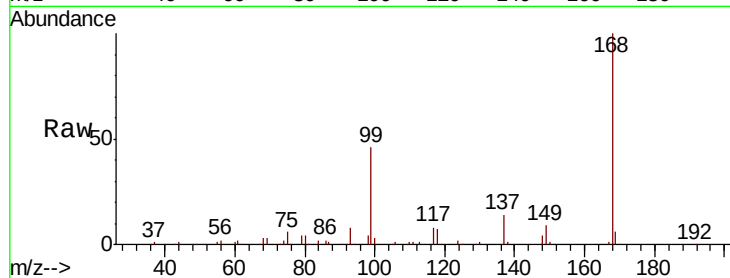
Tot Ion: 56 Resp: 6459

Ion Ratio Lower Upper

56 100

69 179.9 25.6 38.4#

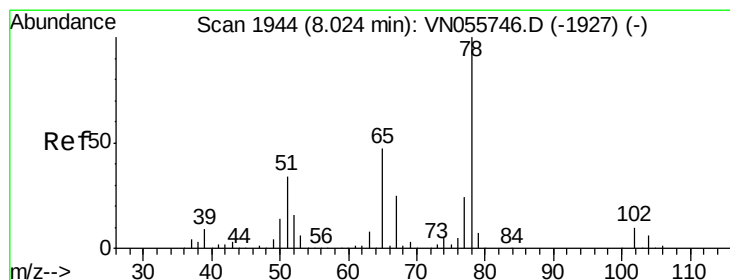
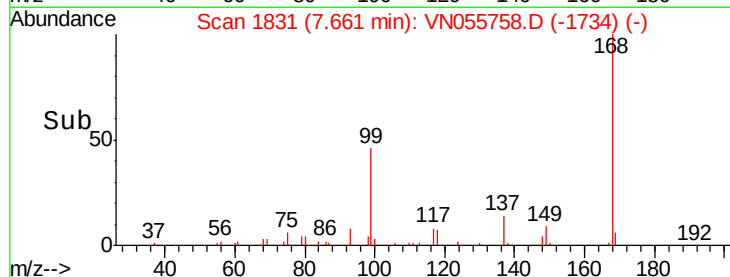
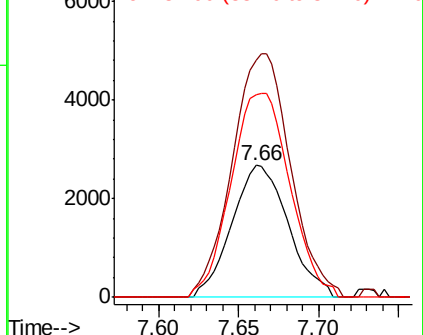
84 153.8 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 44.118 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055758.D

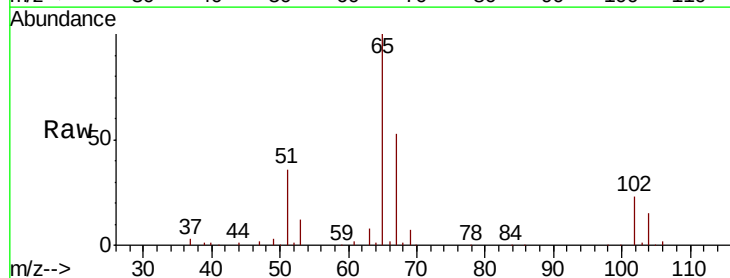
Acq: 23 May 2019 17:11

Tgt Ion: 65 Resp: 204906

Ion Ratio Lower Upper

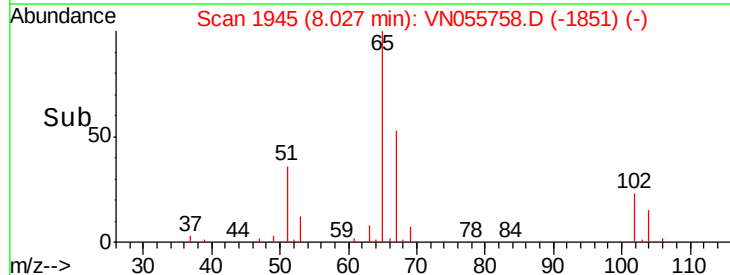
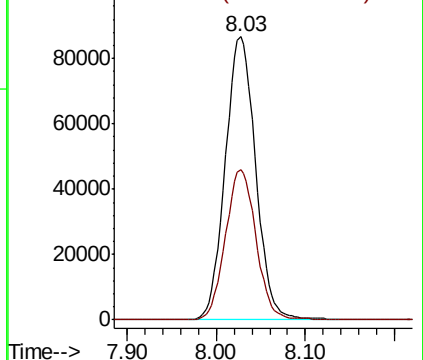
65 100

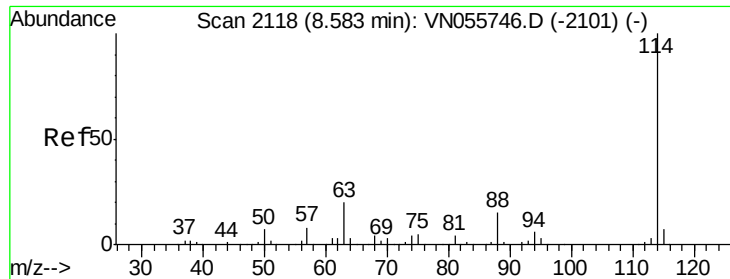
67 53.5 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

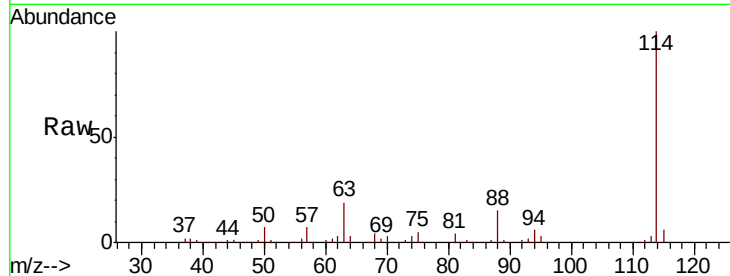




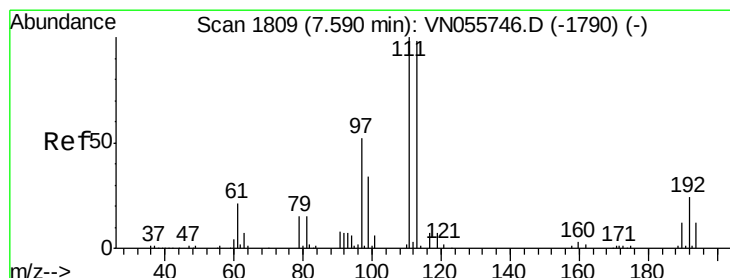
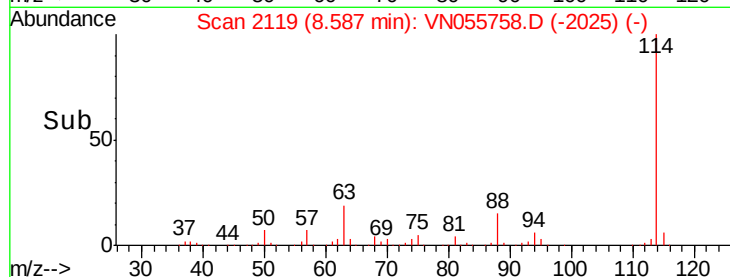
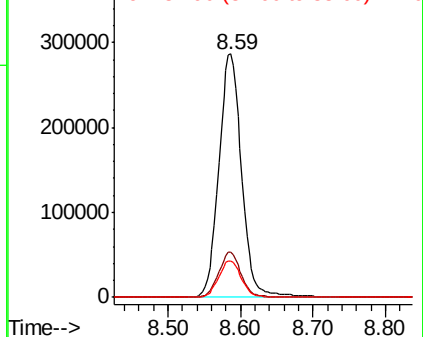
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055758.D
 Acq: 23 May 2019 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:114 Resp: 622386
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.2
 88 15.1 0.0 31.0

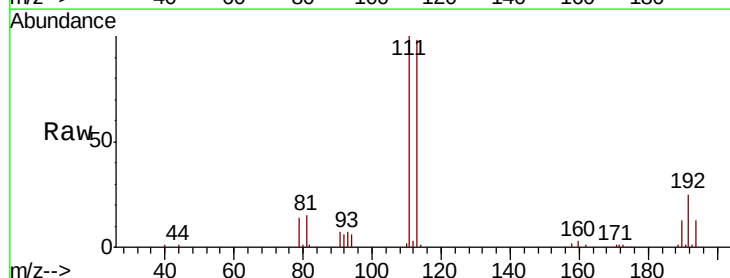


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

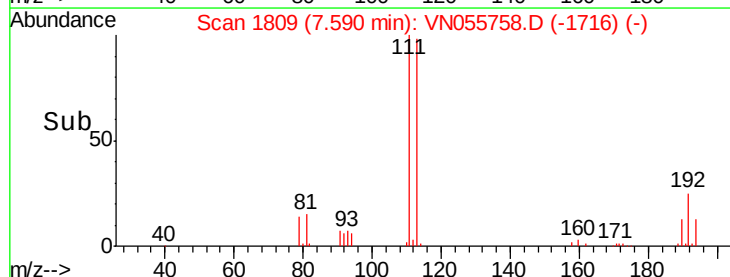
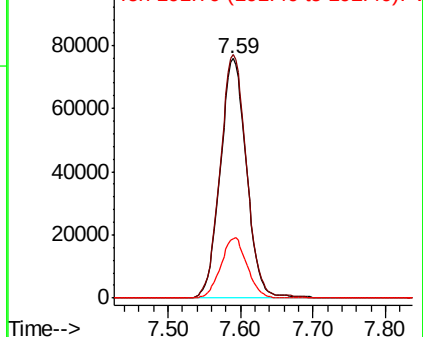


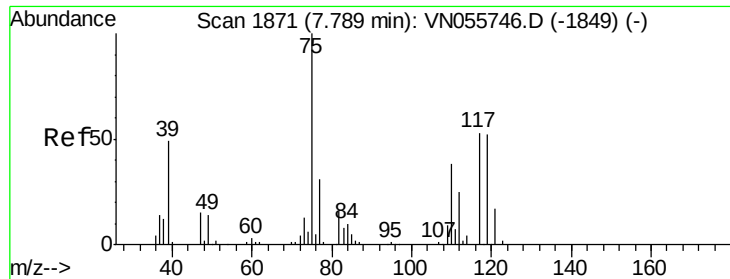
#35
 Dibromofluoromethane
 Concen: 48.299 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055758.D
 Acq: 23 May 2019 17:11

Tgt Ion:113 Resp: 190055
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.9 122.9
 192 25.2 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.540 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampled :

COMP-21

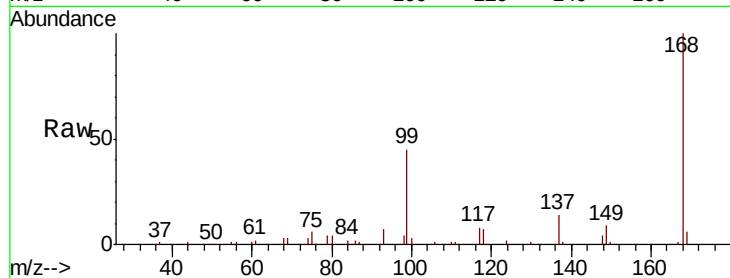
Tot Ion: 75 Resp: 24625

Ion Ratio Lower Upper

75 100

110 10.1 19.0 57.0#

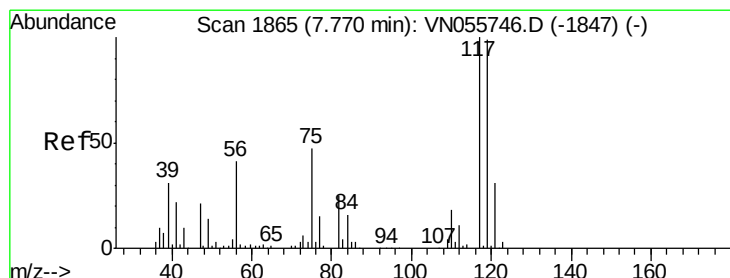
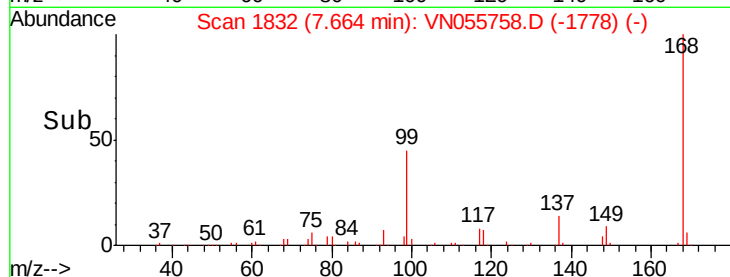
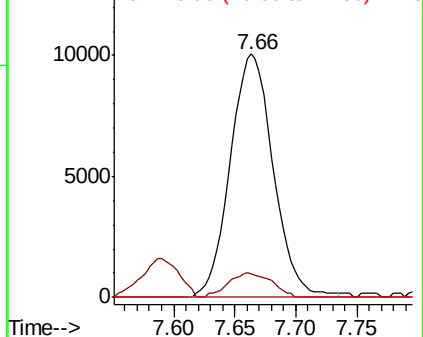
77 0.0 25.1 37.7#



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: 6.359 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

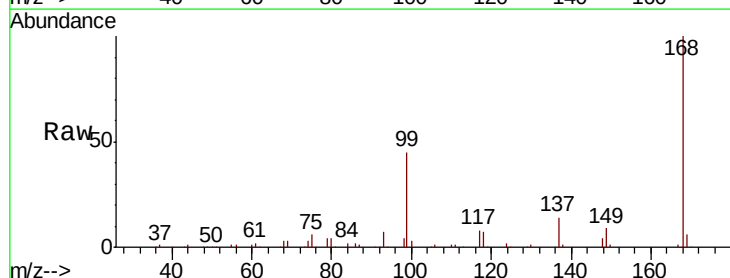
Tgt Ion: 117 Resp: 35924

Ion Ratio Lower Upper

117 100

119 5.1 79.0 118.6#

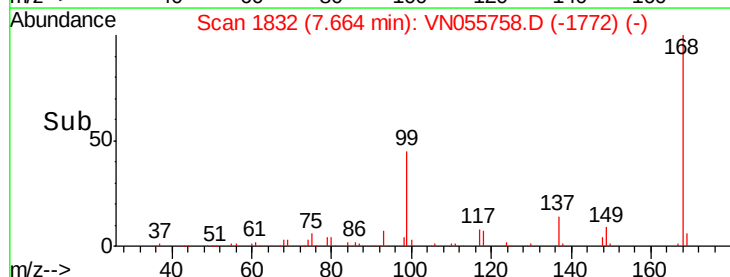
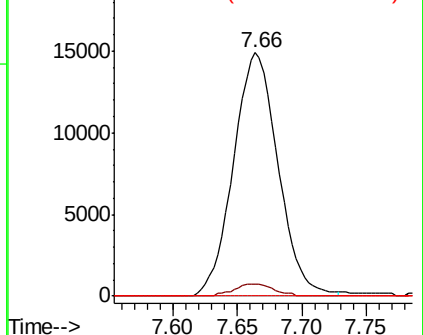
121 0.0 24.7 37.1#

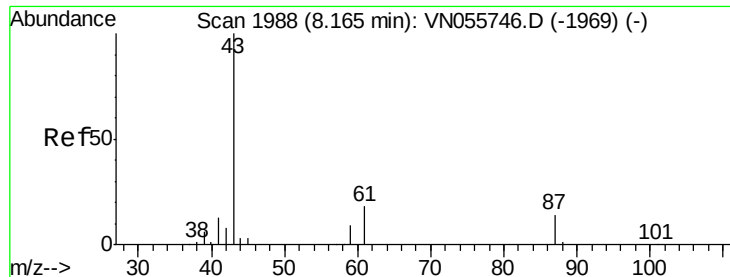


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 1.505 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampleId :

COMP-21

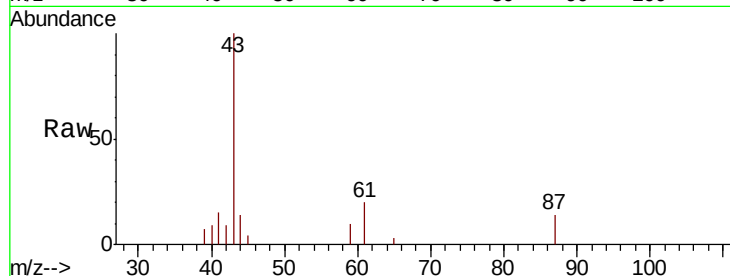
Tot Ion: 43 Resp: 13258

Ion Ratio Lower Upper

43 100

61 19.8 22.2 33.4#

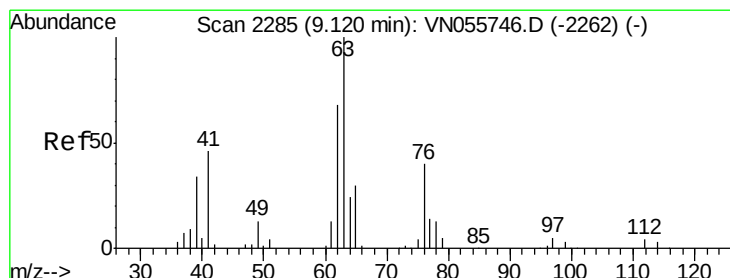
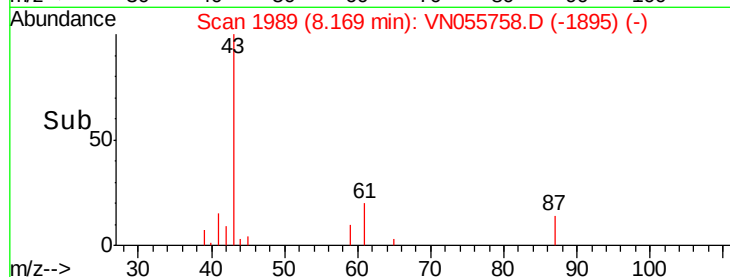
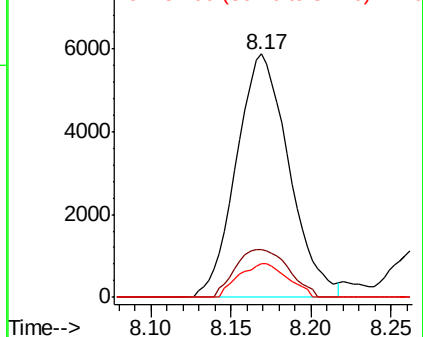
87 12.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#45

1,2-Dichloropropane

Concen: 0.325 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN055758.D

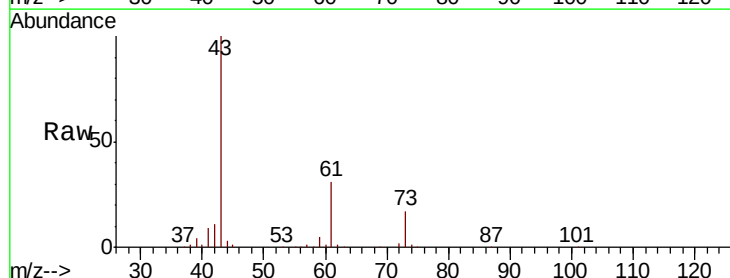
Acq: 23 May 2019 17:11

Tgt Ion: 63 Resp: 1386

Ion Ratio Lower Upper

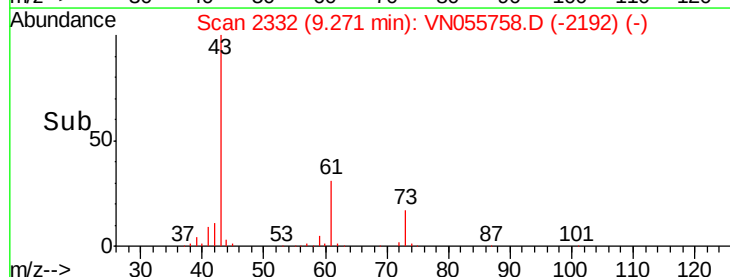
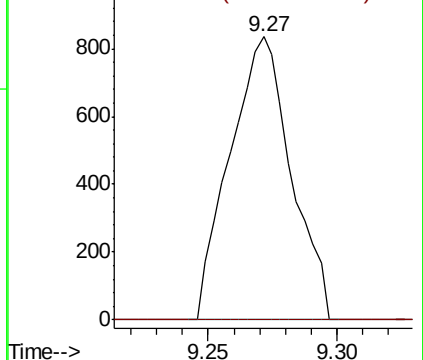
63 100

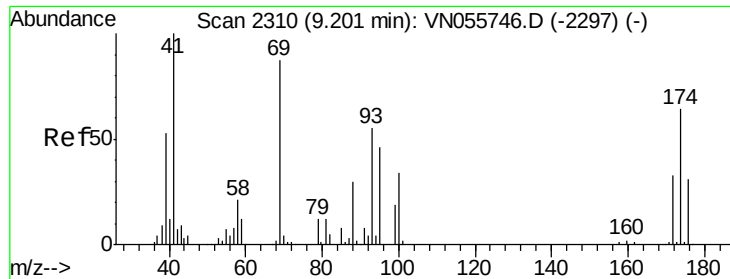
65 0.0 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN055746.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN055746.D (-2262) (-)

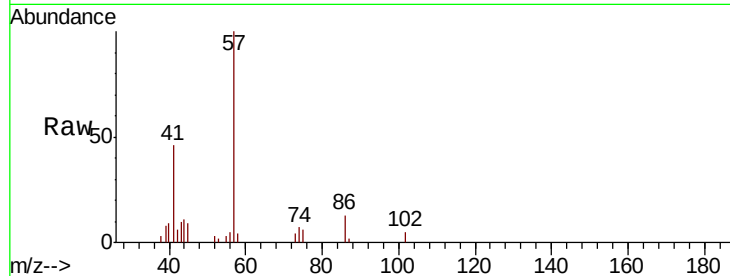




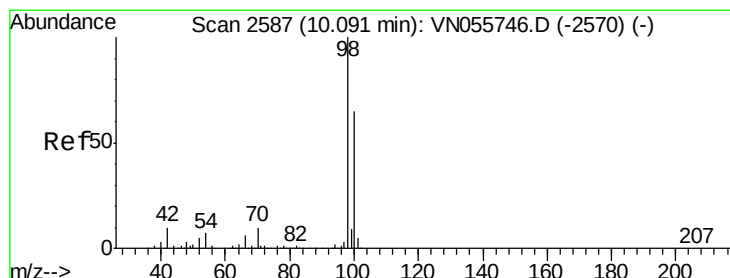
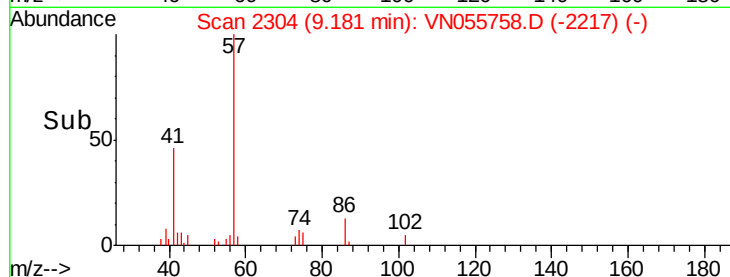
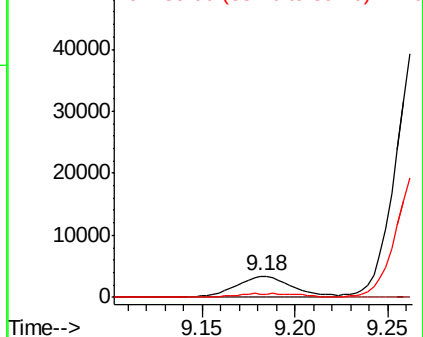
#48
Methvl methacrylate
Concen: 1.807 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN055758.D
Acq: 23 May 2019 17:11

Instrument :
MSVOA_N
ClientSampled :
COMP-21

Tot Ion: 41 Resp: 7336
Ion Ratio Lower Upper
41 100
69 0.0 71.0 106.6#
39 19.3 44.2 66.2#

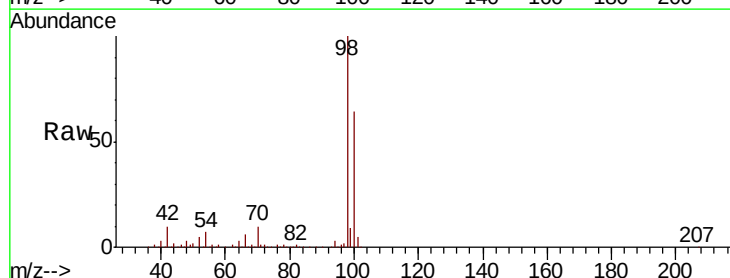


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

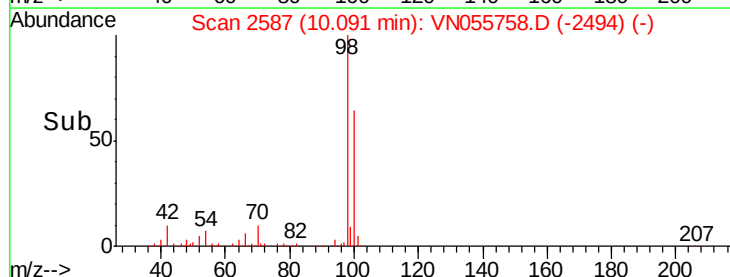
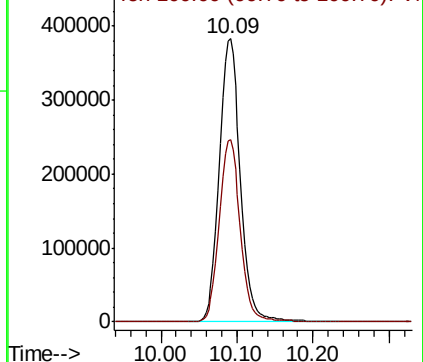


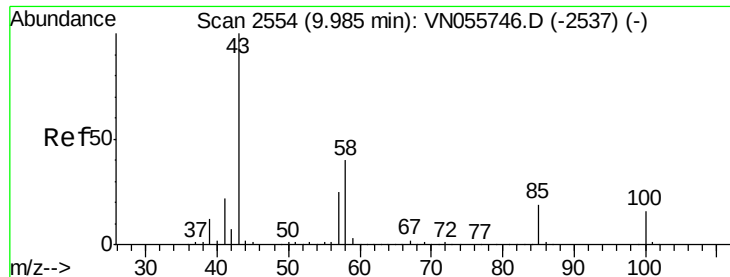
#50
Toluene-d8
Concen: 48.903 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055758.D
Acq: 23 May 2019 17:11

Tgt Ion: 98 Resp: 738137
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



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: 0.846 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampled :

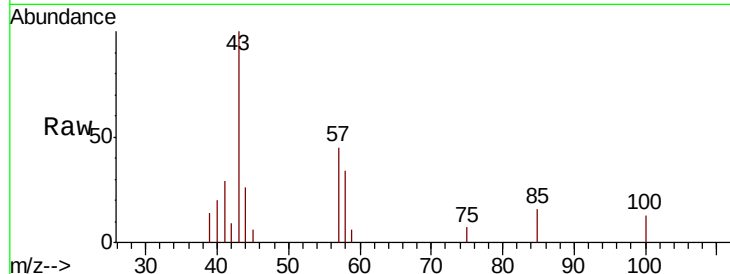
COMP-21

Tot Ion: 43 Resp: 4400

Ion Ratio Lower Upper

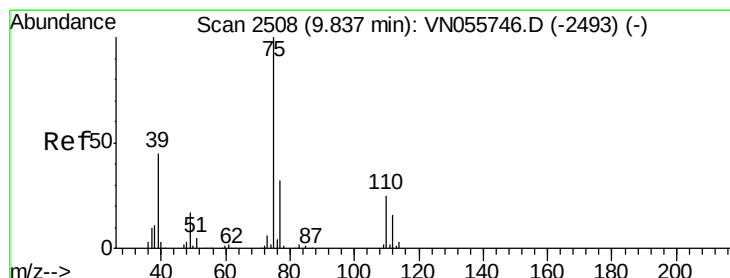
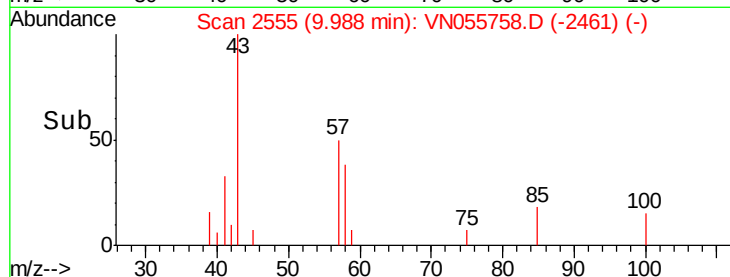
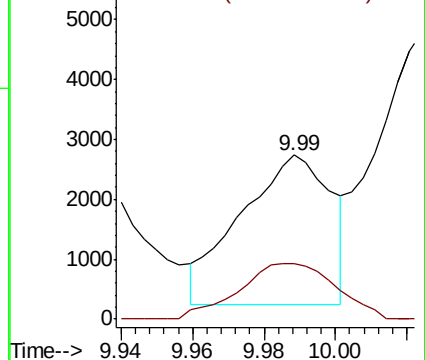
43 100

58 39.5 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 7.984 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

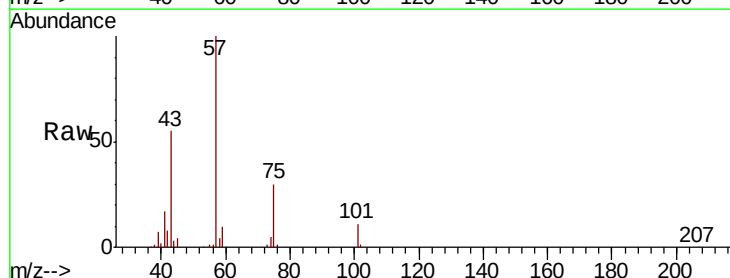
Tgt Ion: 75 Resp: 54070

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

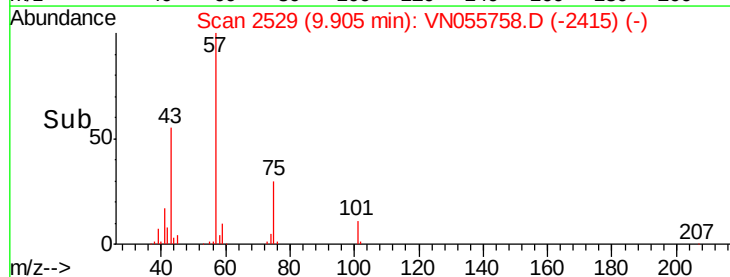
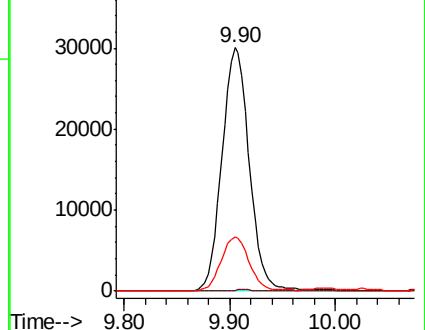
39 22.2 36.3 54.5#

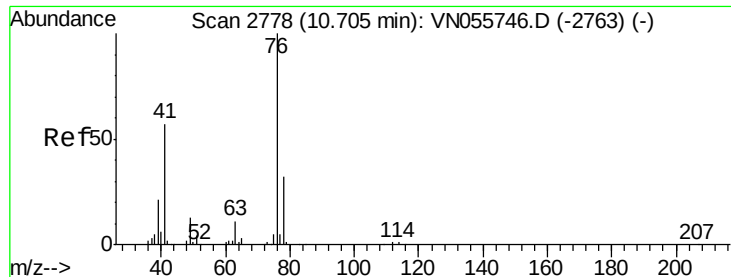


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.471 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampled :

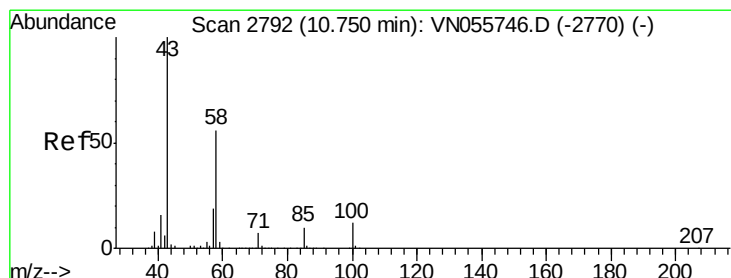
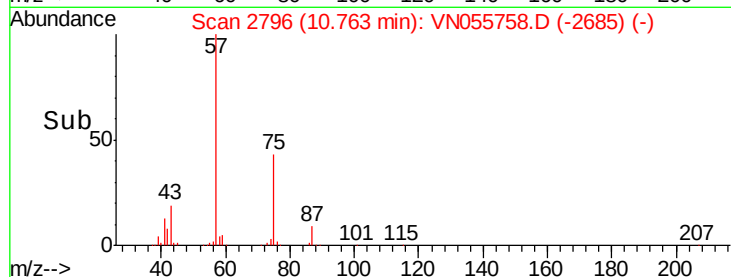
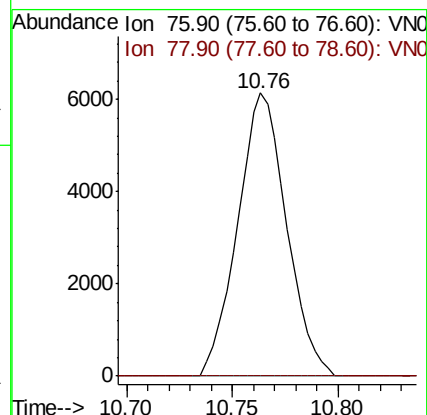
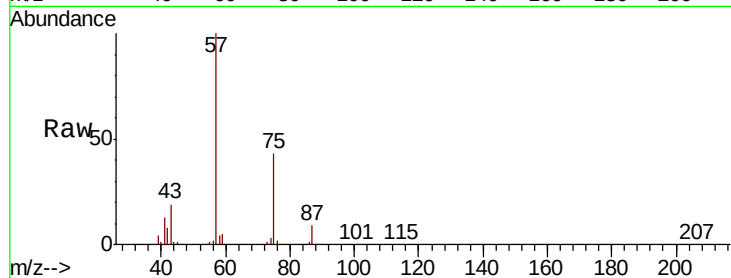
COMP-21

Tot Ion: 76 Resp: 9849

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 34.783 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN055758.D

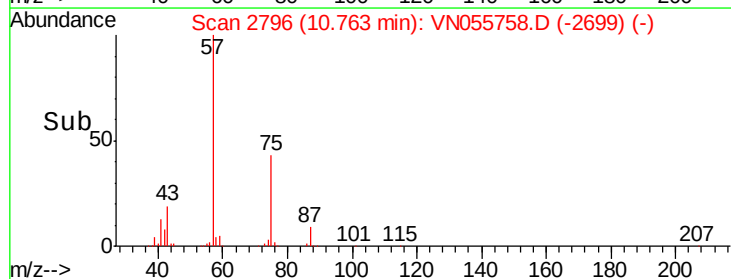
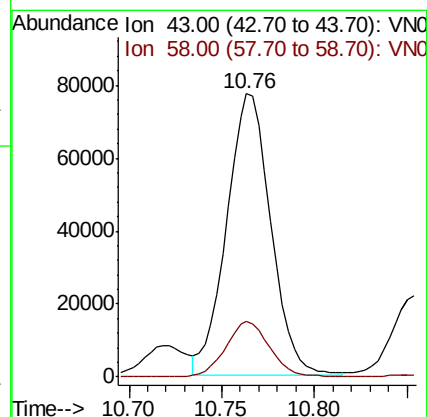
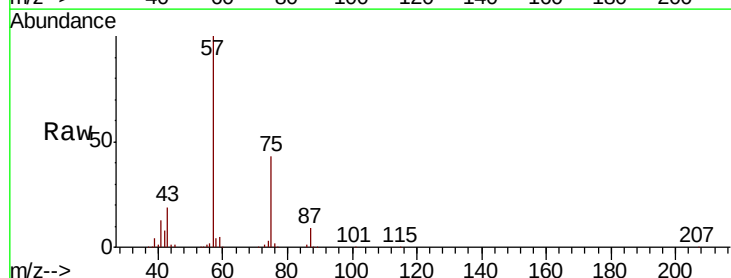
Acq: 23 May 2019 17:11

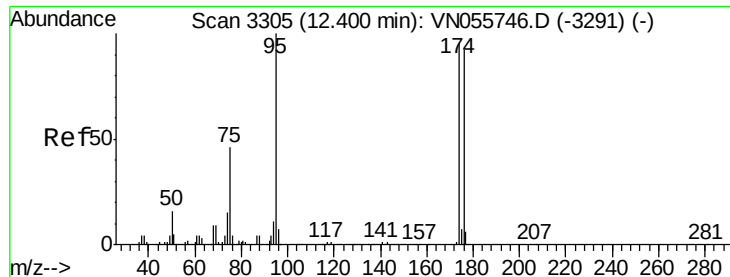
Tgt Ion: 43 Resp: 128358

Ion Ratio Lower Upper

43 100

58 19.4 28.2 84.7#





#62

4-Bromofluorobenzene

Concen: 46.738 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampleId :

COMP-21

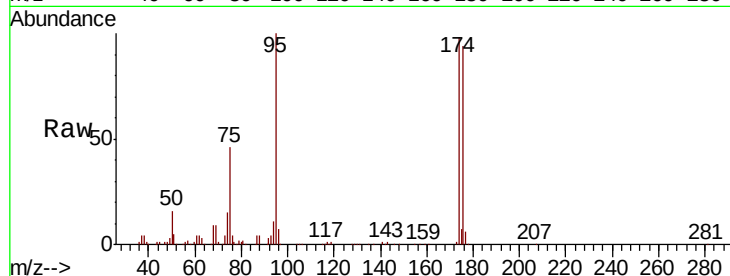
Tot Ion: 95 Resp: 241896

Ion Ratio Lower Upper

95 100

174 98.7 0.0 191.0

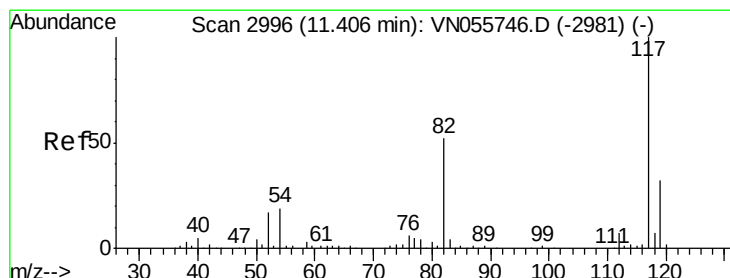
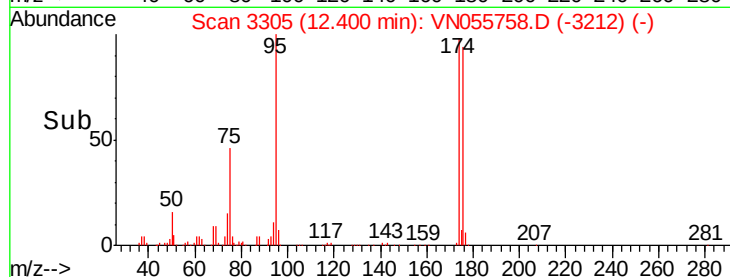
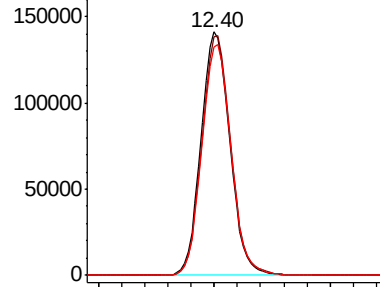
176 95.6 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055746.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055746.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055746.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

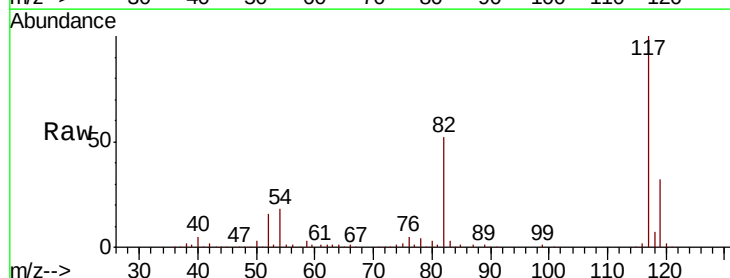
Tgt Ion: 117 Resp: 556419

Ion Ratio Lower Upper

117 100

82 52.3 41.8 62.8

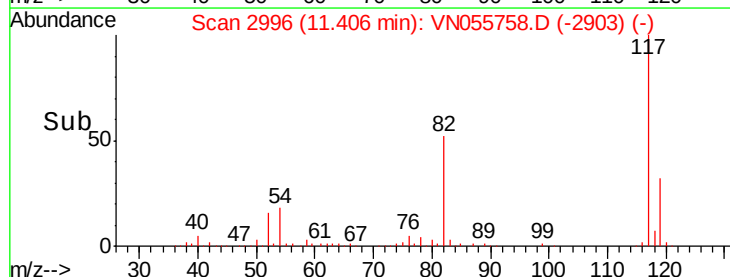
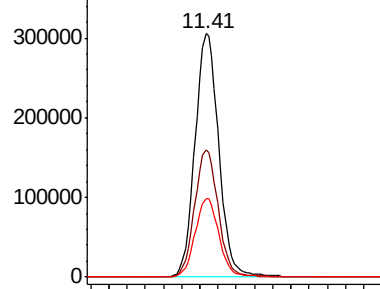
119 32.4 25.4 38.0

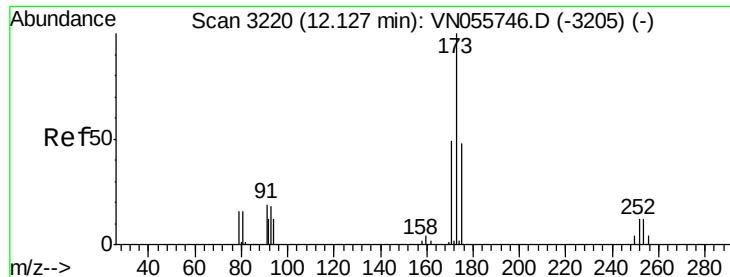


Abundance Ion 116.90 (116.60 to 117.60): VN055746.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055746.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055746.D (-2981) (-)





#71

Bromoform

Concen: 0.385 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampled :

COMP-21

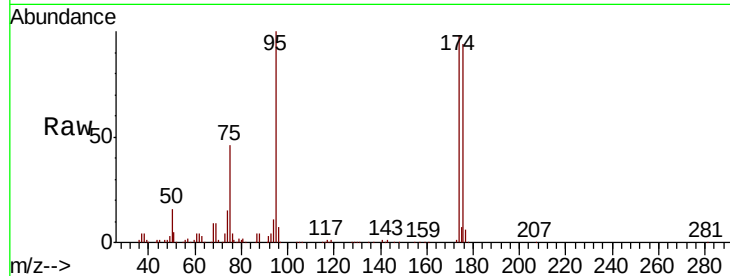
Tot Ion:173 Resp: 1458

Ion Ratio Lower Upper

173 100

175 1040.2 24.3 72.8#

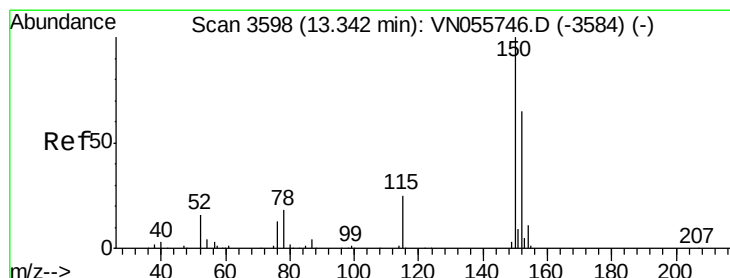
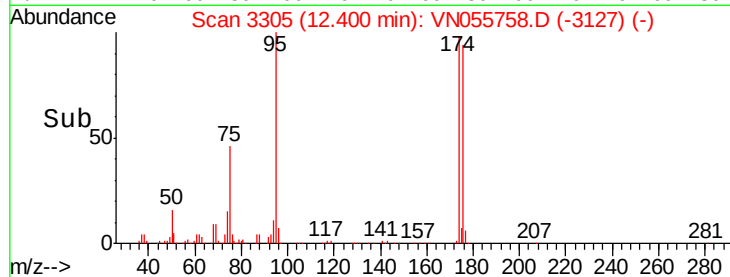
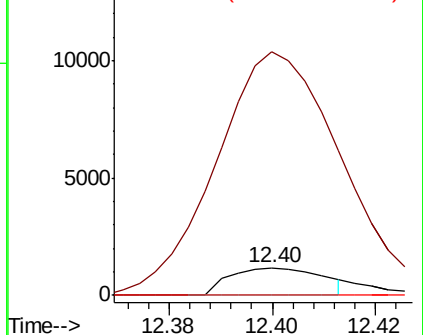
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

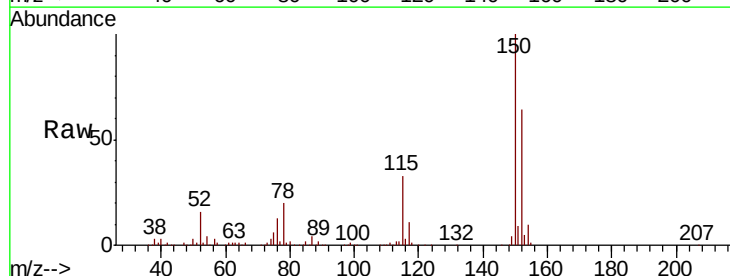
Tgt Ion:152 Resp: 218101

Ion Ratio Lower Upper

152 100

115 52.5 27.0 81.0

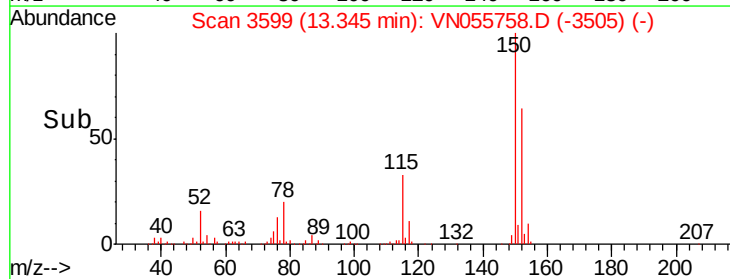
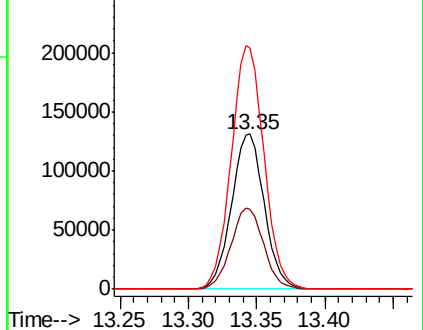
150 157.3 0.0 343.2

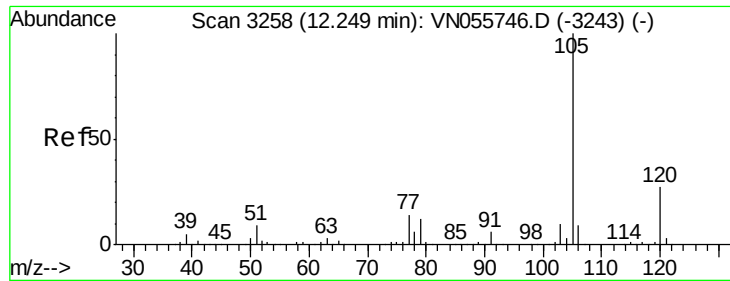


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampled :

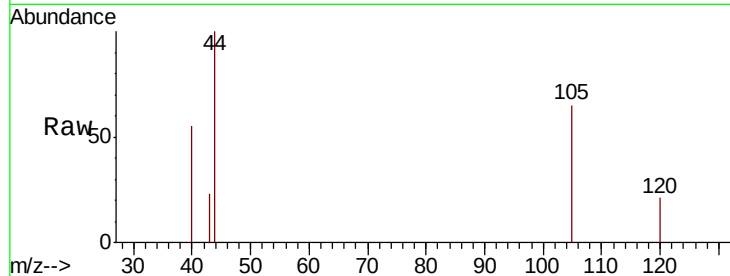
COMP-21

Tot Ion:105 Resp: 705

Ion Ratio Lower Upper

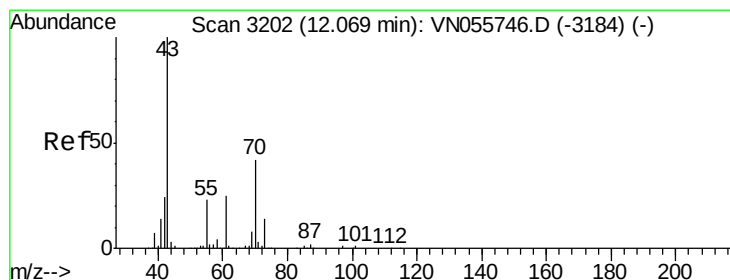
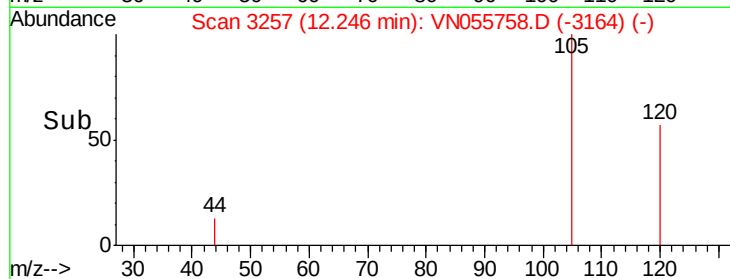
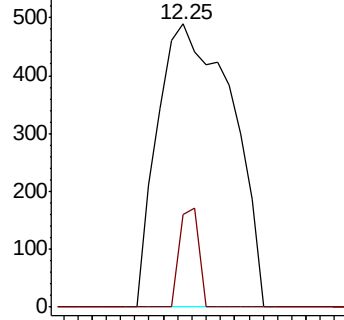
105 100

120 9.1 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.22 min Scan# 3248

Delta R.T. 0.15 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Tgt Ion: 43 Resp: 687

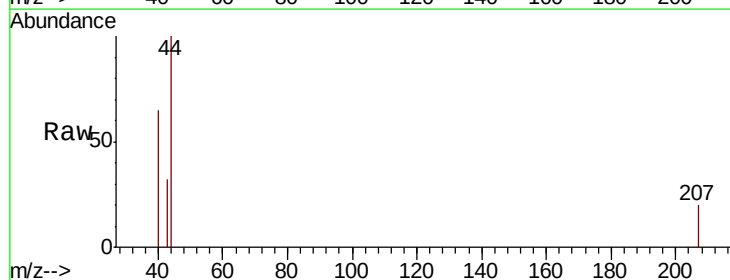
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

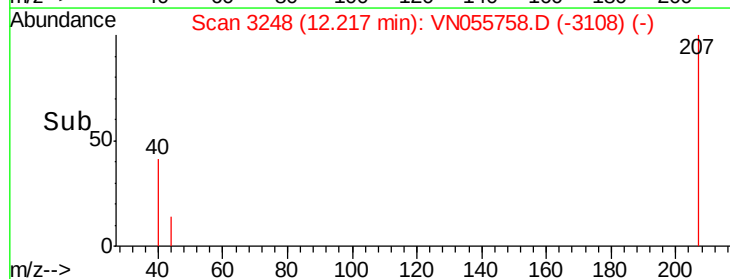
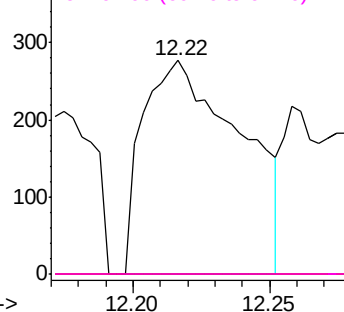


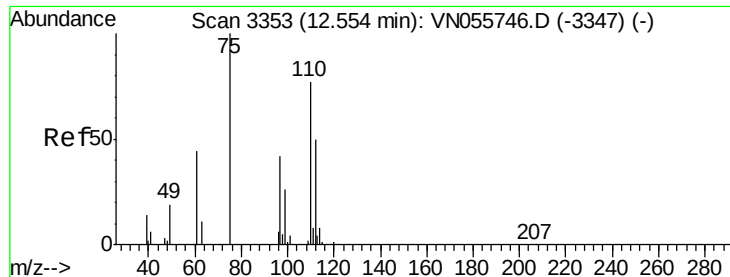
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 28.339 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampleId :

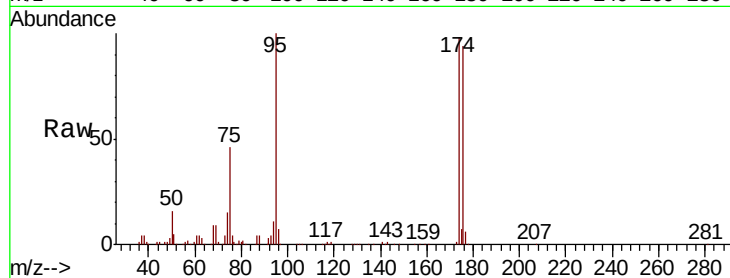
COMP-21

Tot Ion: 75 Resp: 111549

Ion Ratio Lower Upper

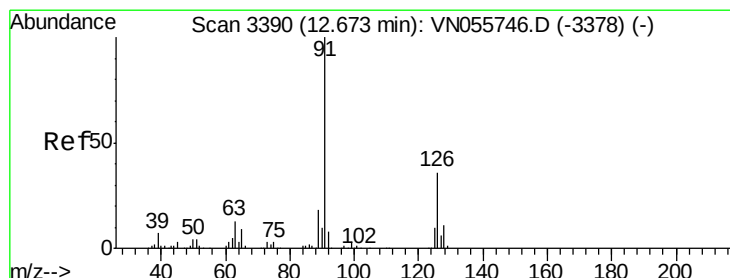
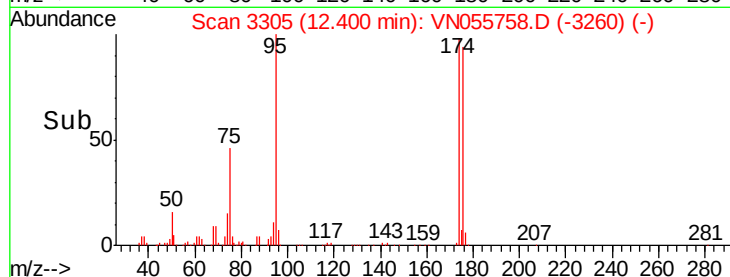
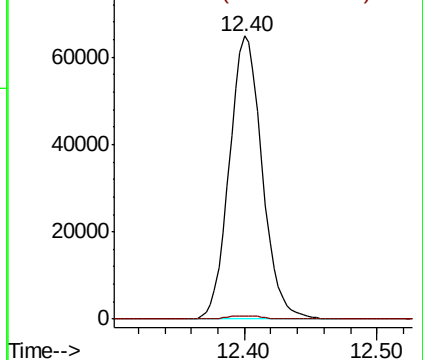
75 100

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: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055758.D

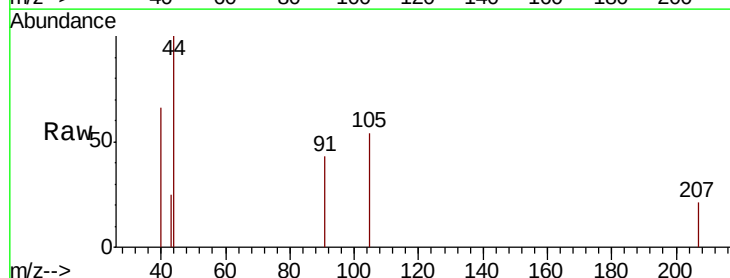
Acq: 23 May 2019 17:11

Tgt Ion: 91 Resp: 572

Ion Ratio Lower Upper

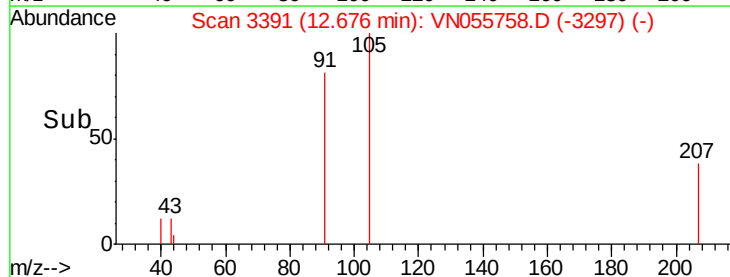
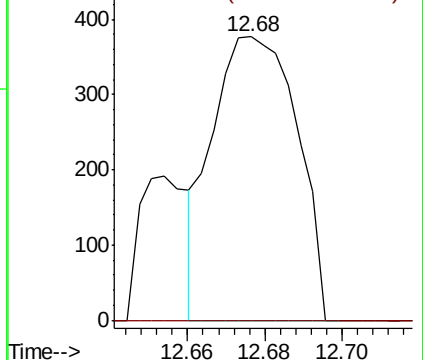
91 100

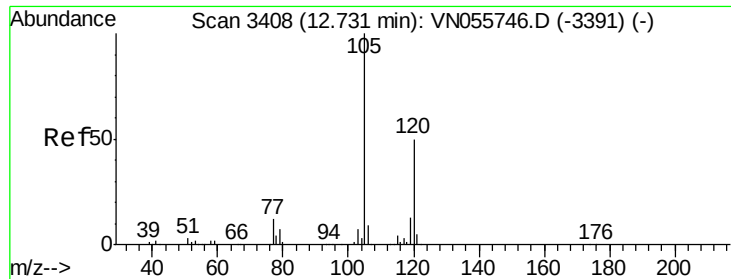
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampleId :

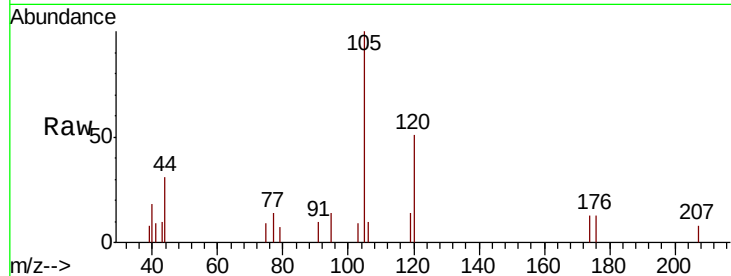
COMP-21

Tot Ion:105 Resp: 4275

Ion Ratio Lower Upper

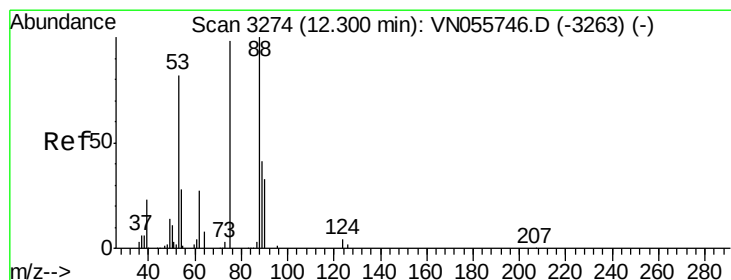
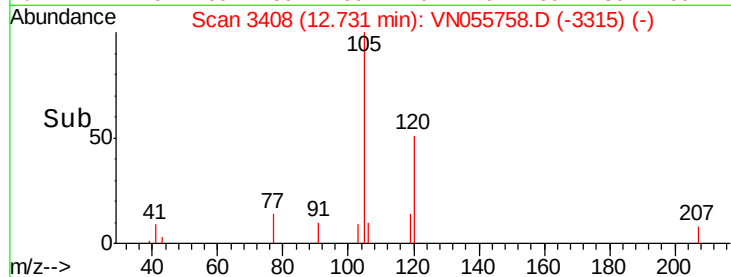
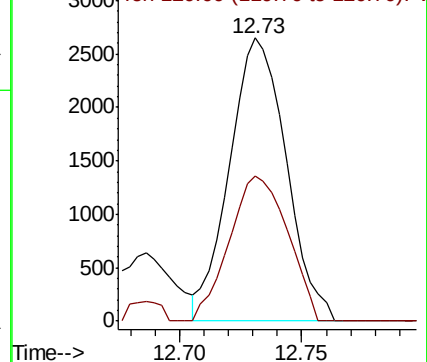
105 100

120 52.8 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 68.815 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

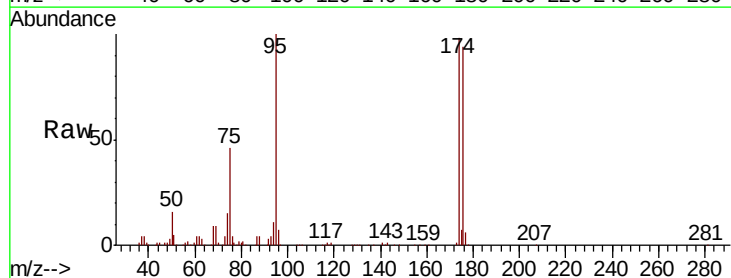
Tgt Ion: 75 Resp: 111549

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

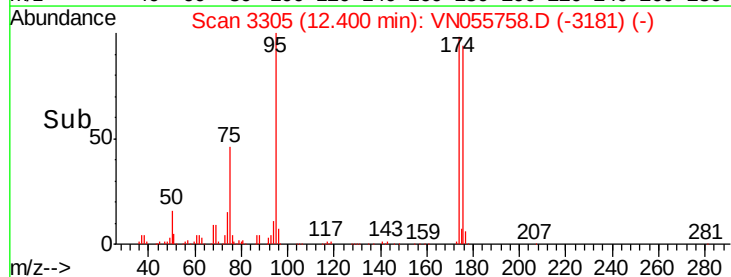
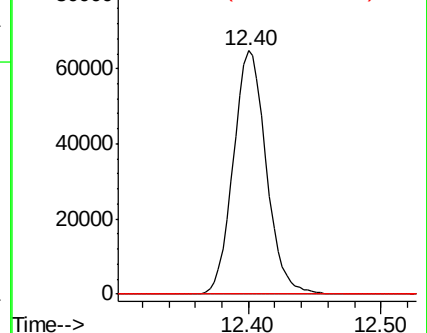
89 0.0 36.9 55.3#

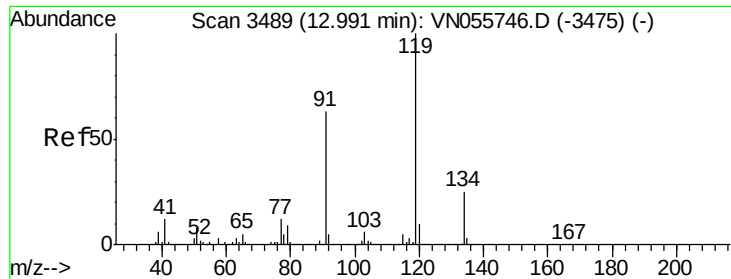


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

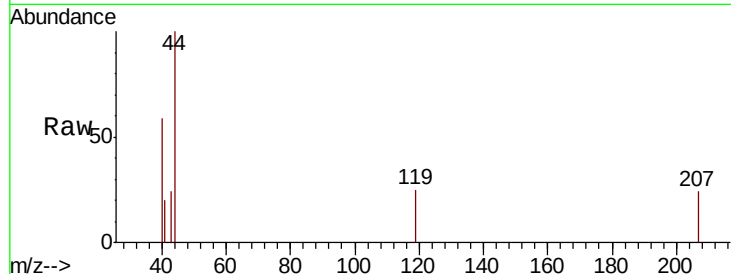




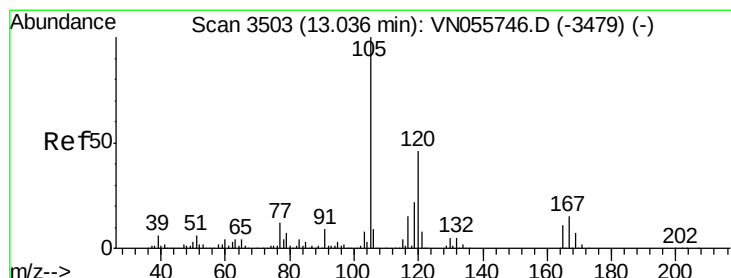
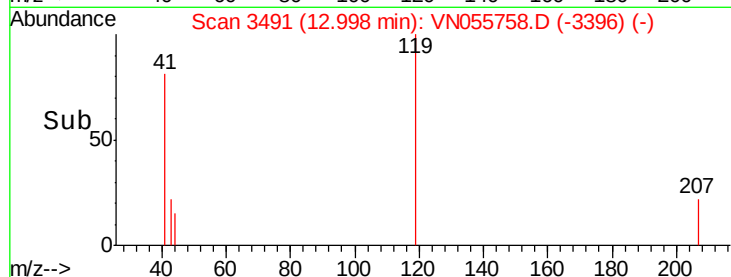
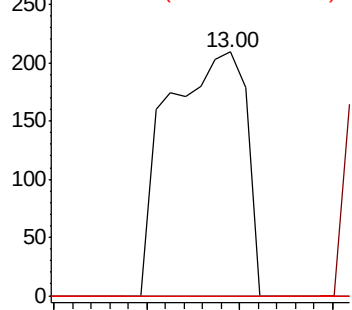
#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.01 min
 Lab File: VN055758.D
 Acq: 23 May 2019 17:11

Instrument :
 MSVOA_N
 ClientSampled :
 COMP-21

Tot Ion:119 Resp: 246
 Ion Ratio Lower Upper
 119 100
 91 0.0 30.9 92.8#
 134 0.0 13.3 39.8#

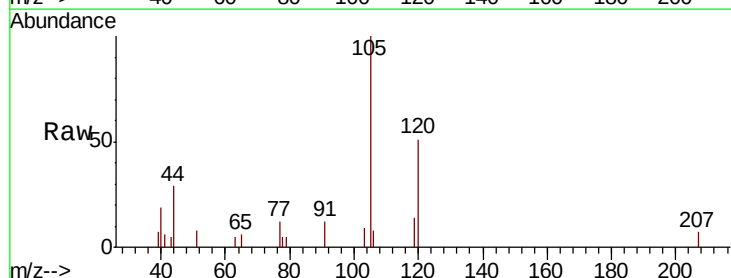


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

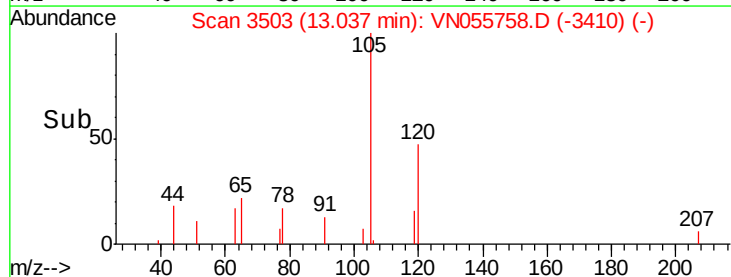
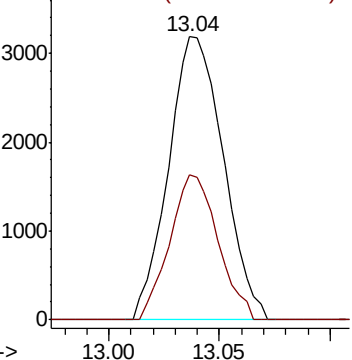


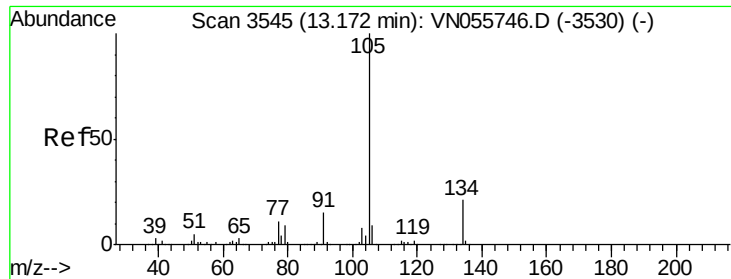
#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055758.D
 Acq: 23 May 2019 17:11

Tgt Ion:105 Resp: 5500
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.0 69.0



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





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampled :

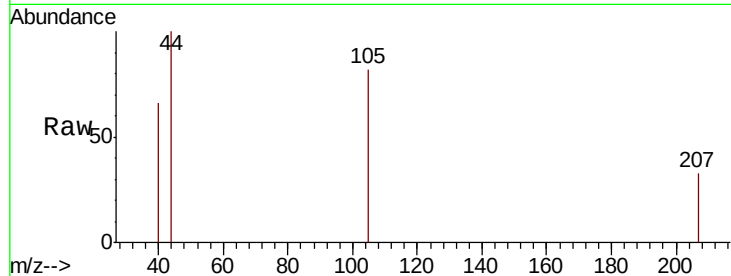
COMP-21

Tot Ion:105 Resp: 1007

Ion Ratio Lower Upper

105 100

134 6.4 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600

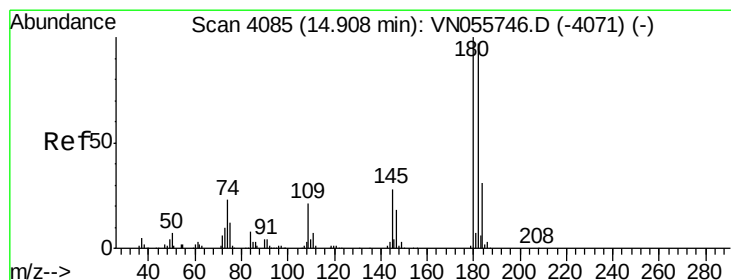
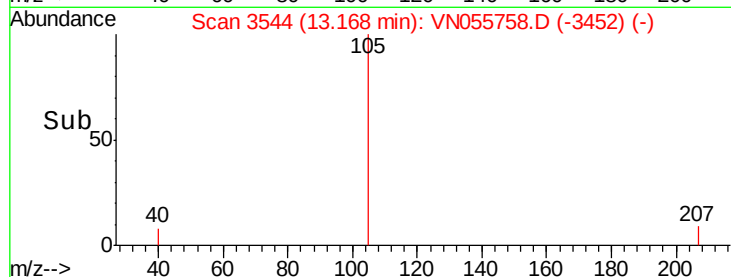
400

200

0

13.15 13.20

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.826 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

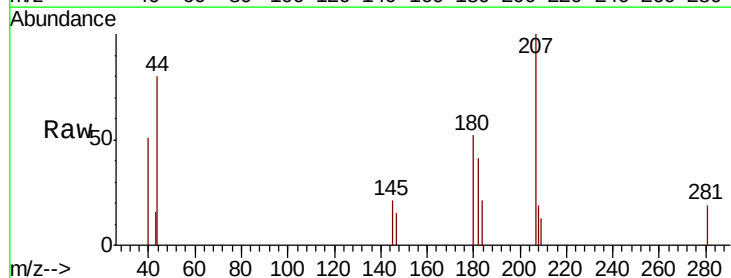
Tgt Ion:180 Resp: 861

Ion Ratio Lower Upper

180 100

182 92.5 48.3 144.9

145 42.6 14.0 41.9#



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

800

600

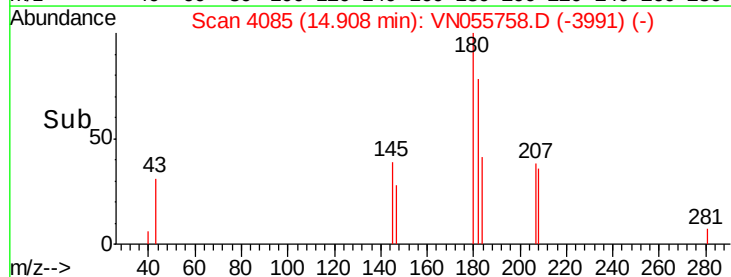
400

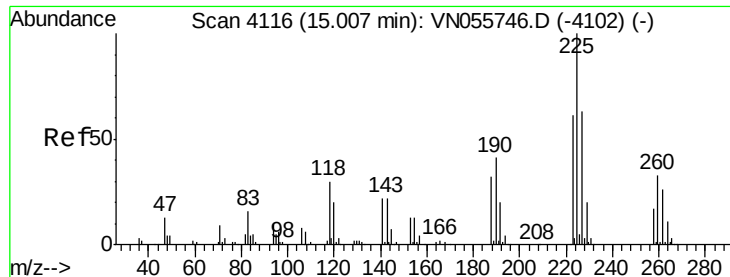
200

0

14.90 14.95

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

Instrument :

MSVOA_N

ClientSampled :

COMP-21

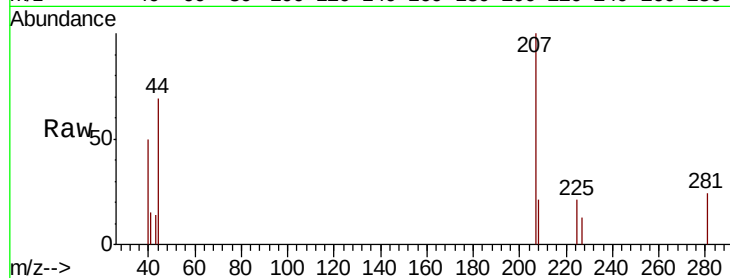
Tot Ion:225 Resp: 199

Ion Ratio Lower Upper

225 100

223 0.0 30.9 92.7#

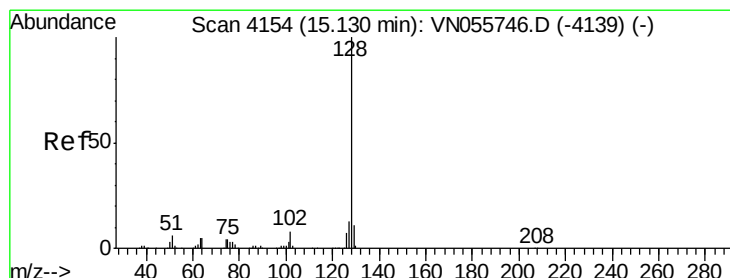
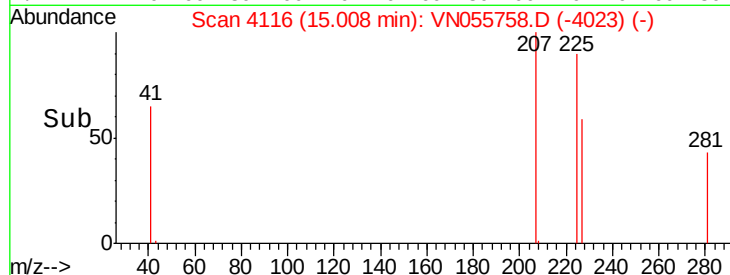
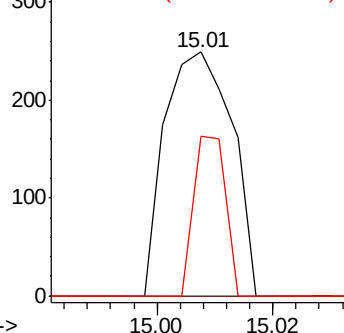
227 31.2 31.6 94.7#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.675 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055758.D

Acq: 23 May 2019 17:11

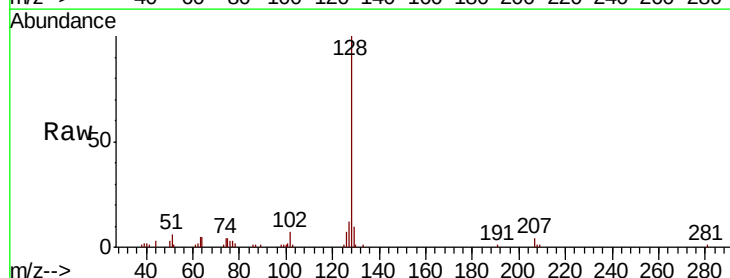
Tgt Ion:128 Resp: 57256

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

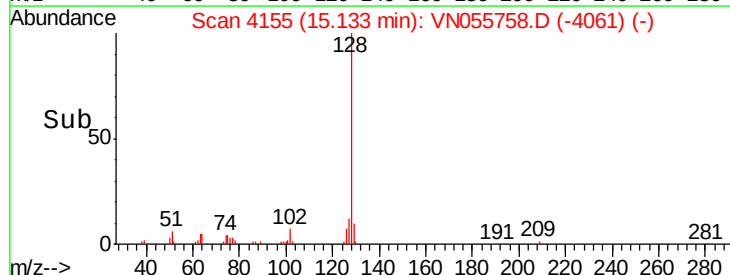
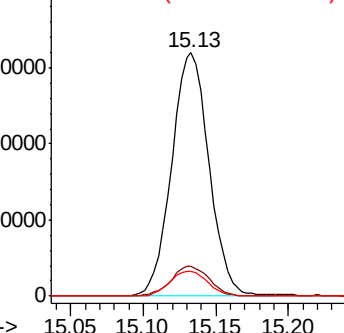
129 10.2 8.7 13.1

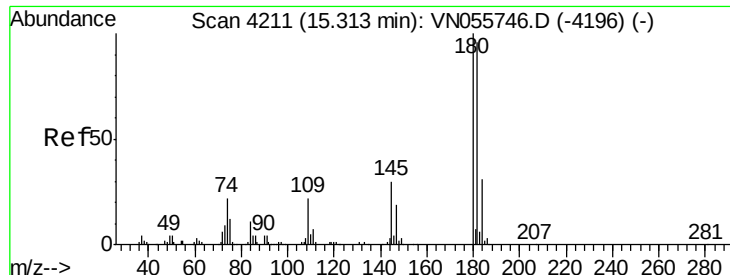


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

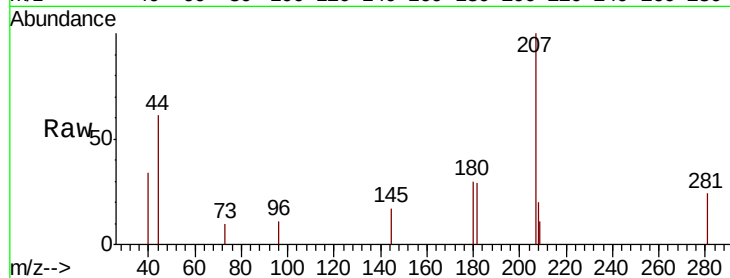




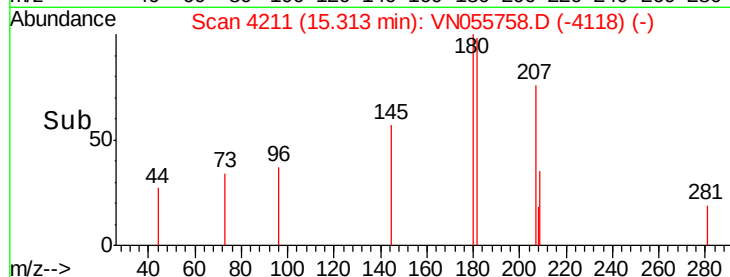
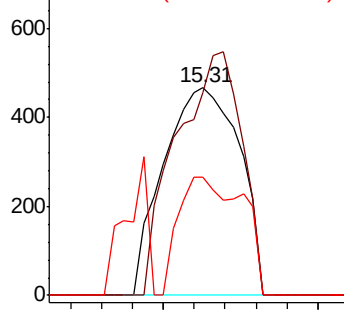
#96
 1,2,3-Trichlorobenzene
 Concen: 0.205 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055758.D
 Acq: 23 May 2019 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-21

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.8	47.9	143.7
145	48.1	14.9	44.7#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V



Time-->