

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\
 Data File : VN064584.D
 Acq On : 12 Nov 2020 16:25
 Operator : JC/MD
 Sample : L4701-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRANSFORMER-1-4-TOP

Quant Time: Nov 13 02:51:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	225607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	499499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	540205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	196675	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	238258	60.63	ug/l	0.00
Spiked Amount			Recovery	=	121.26%	
35) Dibromofluoromethane	7.55	113	171450	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
50) Toluene-d8	10.06	98	651122	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.38	95	244116	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	

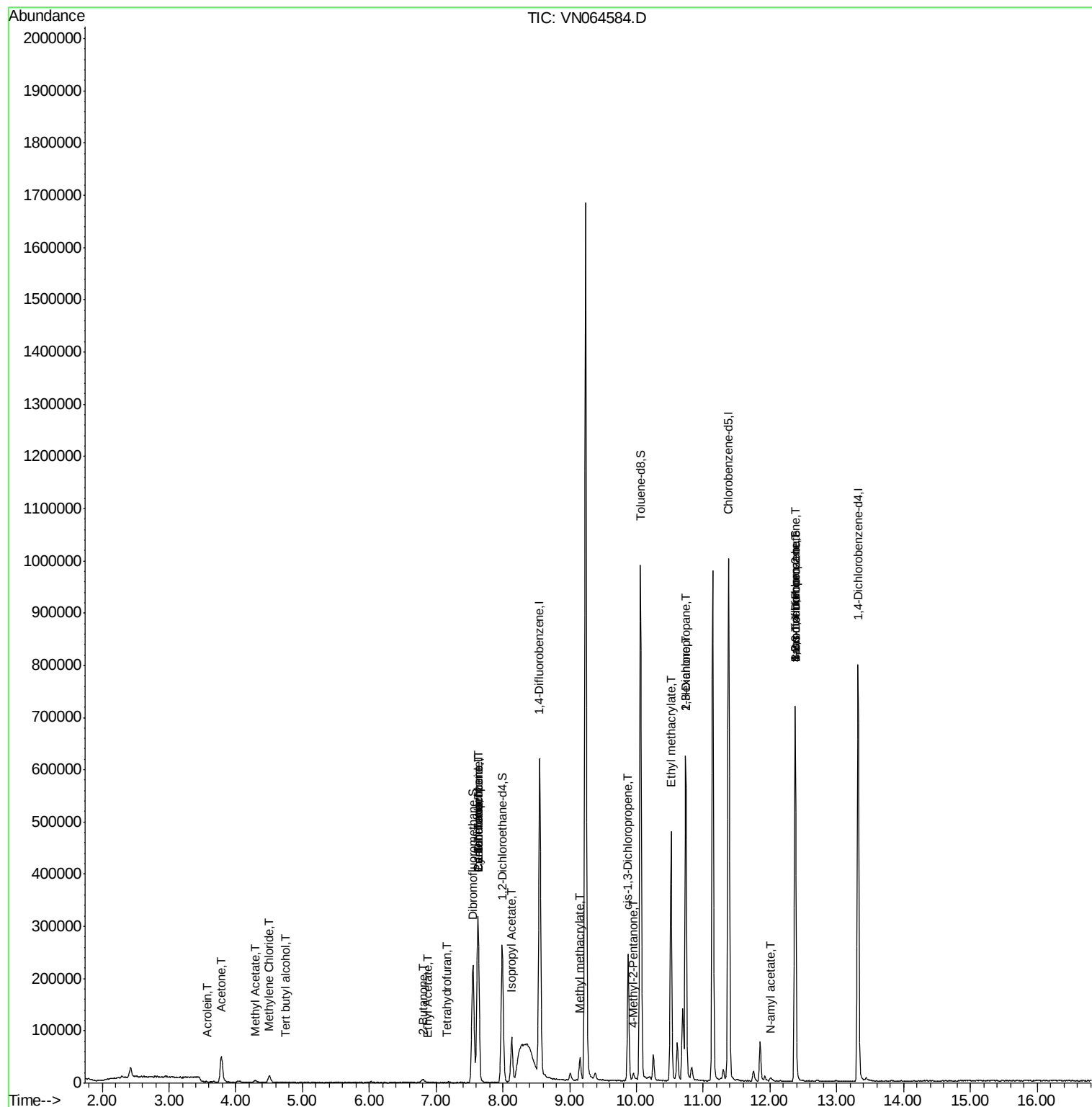
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	306	0.706	ug/l #	71
13) Acrolein	3.58	56	131	0.487	ug/l #	15
16) Acetone	3.78	43	87982	58.776	ug/l	98
18) Methyl Acetate	4.29	43	6382	2.169	ug/l #	61
20) Methylene Chloride	4.51	84	8446	2.844	ug/l	95
25) 2-Butanone	6.81	43	9082	4.762	ug/l	93
29) Tetrahydrofuran	7.16	42	389	0.332	ug/l #	44
31) Cyclohexane	7.63	56	7437	1.557	ug/l #	20
36) 1,1-Dichloropropene	7.63	75	22480	4.260	ug/l #	51
37) Ethyl Acetate	6.87	43	694	0.890	ug/l #	71
38) Carbon Tetrachloride	7.63	117	26768	4.746	ug/l #	17
43) Isopropyl Acetate	8.13	43	98664	11.537	ug/l	98
48) Methyl methacrylate	9.14	41	6704	1.554	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	10251	2.056	ug/l	98
54) cis-1,3-Dichloropropene	9.87	75	36256	5.462	ug/l #	69
56) Ethyl methacrylate	10.52	69	3676	2.424	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6081	0.945	ug/l #	44
59) 2-Hexanone	10.74	43	100246	28.282	ug/l #	56
71) Bromoform	12.38	173	1479	1.710	ug/l #	1
74) N-amyl acetate	12.00	43	5417	1.911	ug/l #	53
76) 1,2,3-Trichloropropane	12.38	75	138864	29.141	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	138864	81.365	ug/l #	8

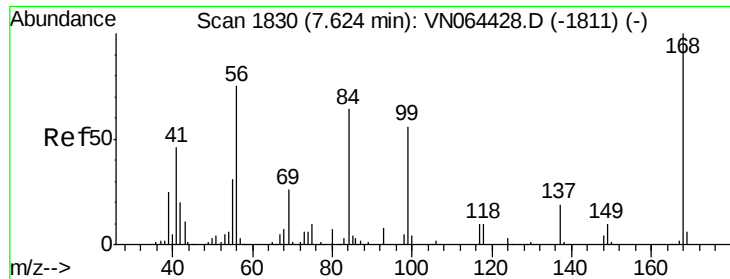
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 13 02:51:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064584.D

Acq: 12 Nov 2020 16:25

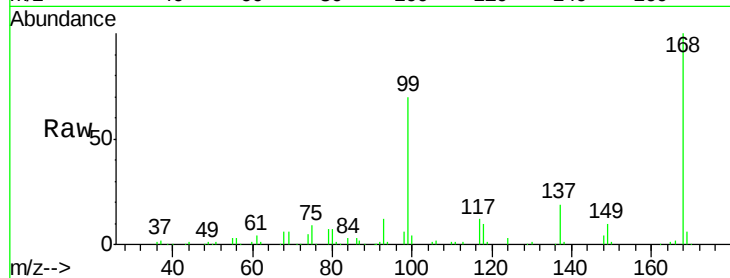
Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-1-4-TOP

Tot Ion:168 Resp: 225607

Ion Ratio Lower Upper

168 100

99 69.7 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

60000

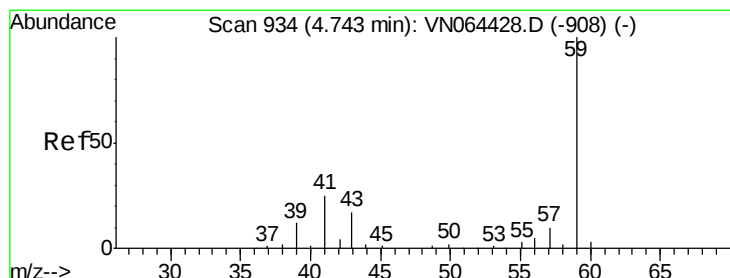
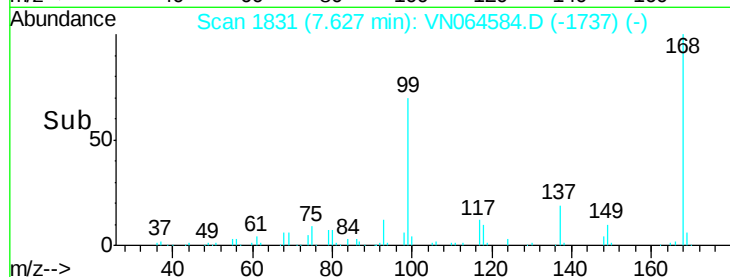
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 0.706 ug/l

RT: 4.74 min Scan# 933

Delta R.T. -0.00 min

Lab File: VN064584.D

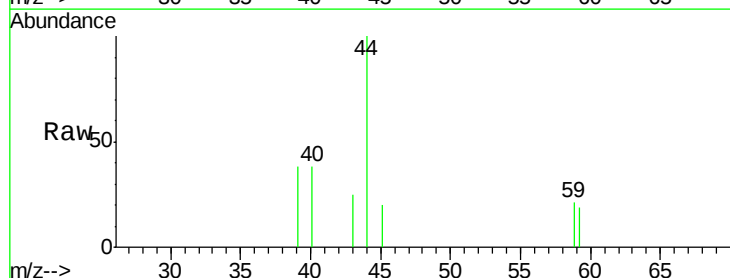
Acq: 12 Nov 2020 16:25

Tgt Ion: 59 Resp: 306

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

400

300

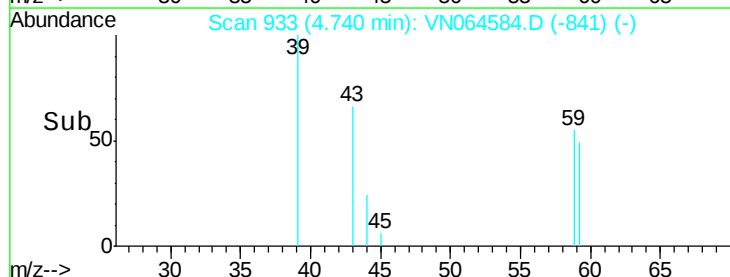
200

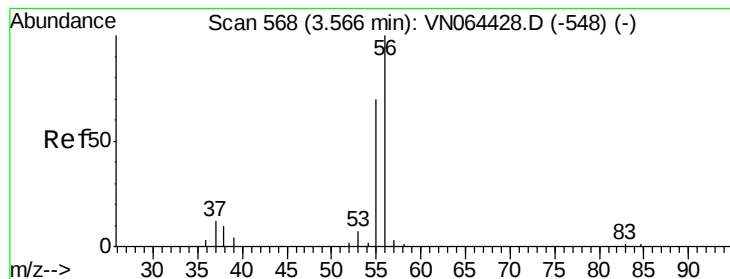
100

0

Time-->

4.71 4.72 4.73 4.74 4.75





#13

Acrolein

Concen: 0.487 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN064584.D

Acq: 12 Nov 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

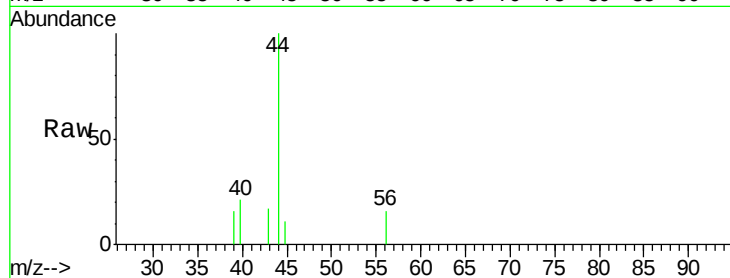
TRANSFORMER-1-4-TOP

Tot Ion: 56 Resp: 131

Ion Ratio Lower Upper

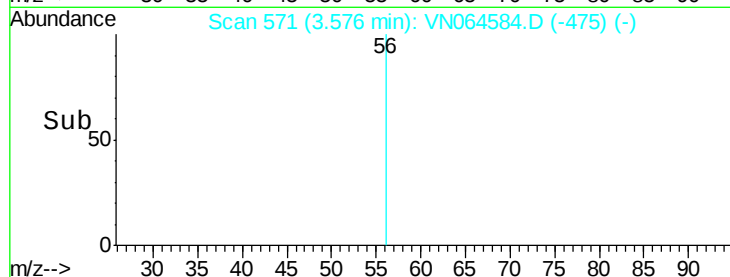
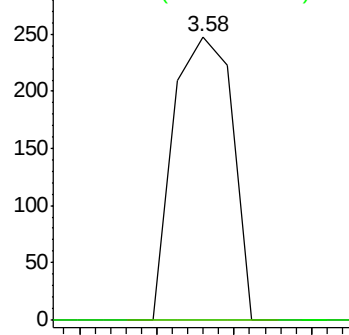
56 100

55 0.0 55.9 83.9#

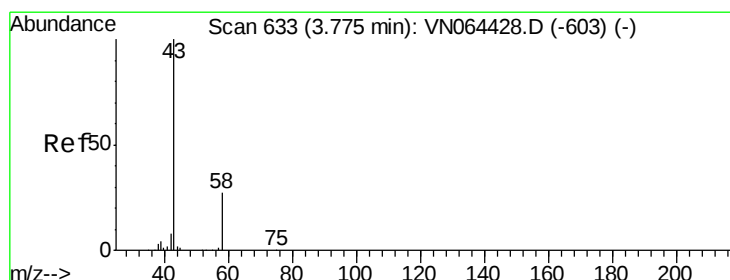


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 58.776 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064584.D

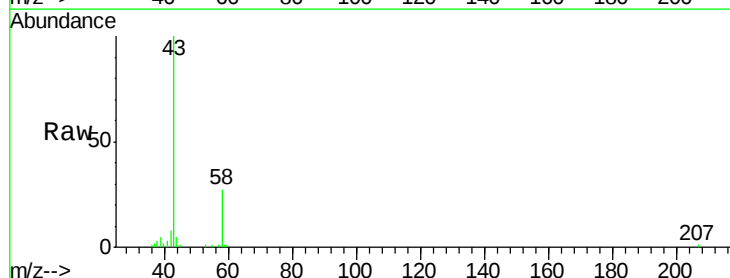
Acq: 12 Nov 2020 16:25

Tgt Ion: 43 Resp: 87982

Ion Ratio Lower Upper

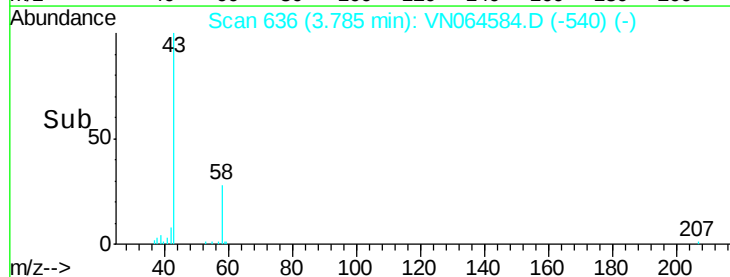
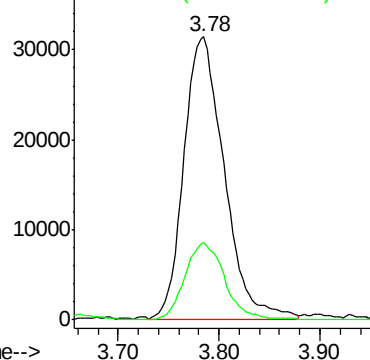
43 100

58 27.5 21.4 32.0

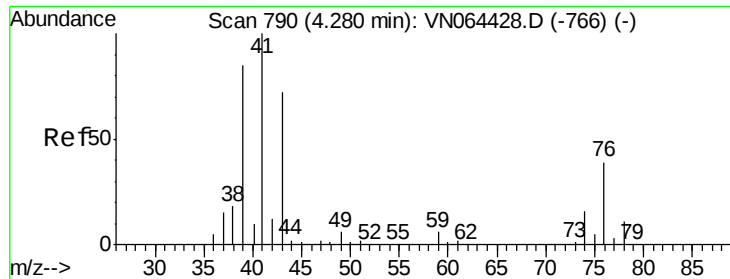


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#18

Methyl Acetate

Concen: 2.169 ug/l

RT: 4.29 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN064584.D

Acq: 12 Nov 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

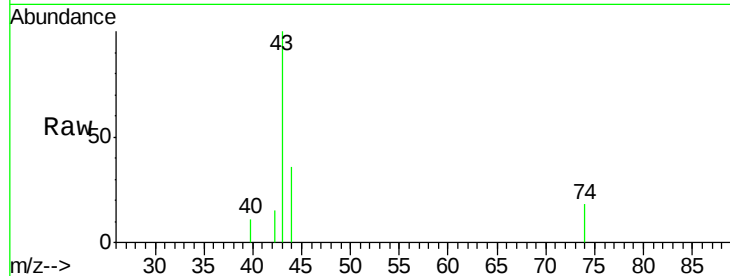
TRANSFORMER-1-4-TOP

Tot Ion: 43 Resp: 6382

Ion Ratio Lower Upper

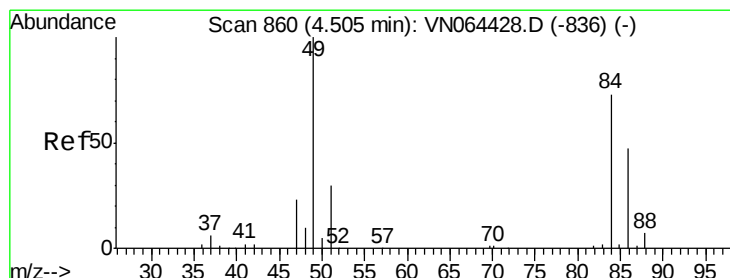
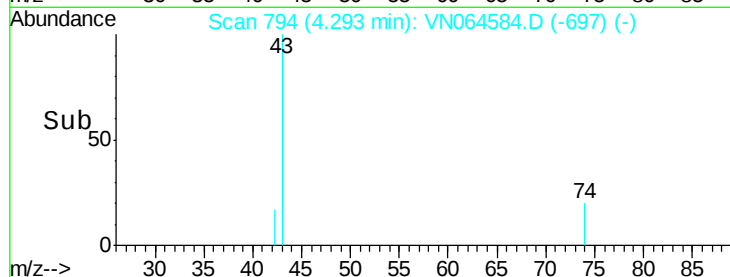
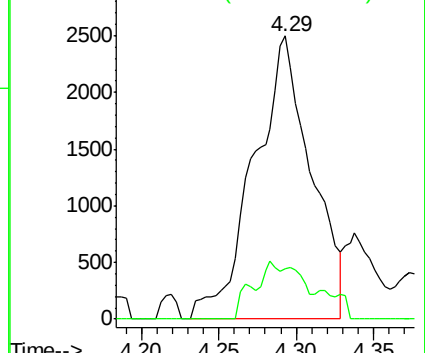
43 100

74 2.9 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN064584.D (-697) (-)

Ion 74.00 (73.70 to 74.70): VN064584.D (-697) (-)



#20

Methylene Chloride

Concen: 2.844 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.00 min

Lab File: VN064584.D

Acq: 12 Nov 2020 16:25

Tgt Ion: 84 Resp: 8446

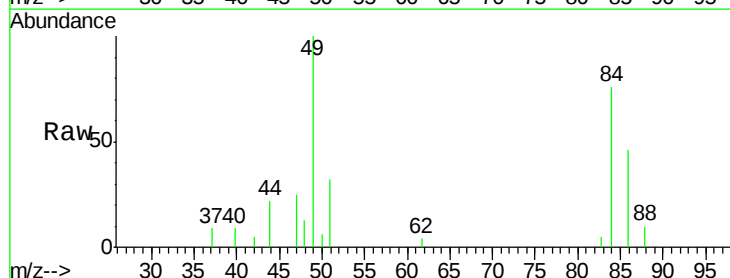
Ion Ratio Lower Upper

84 100

49 131.3 110.1 165.1

51 41.9 33.6 50.4

86 60.1 52.1 78.1

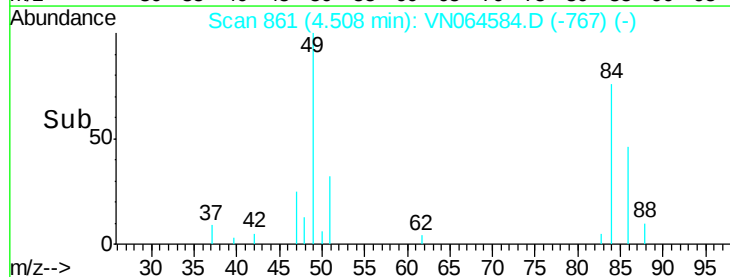
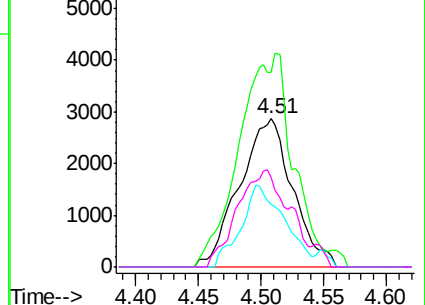


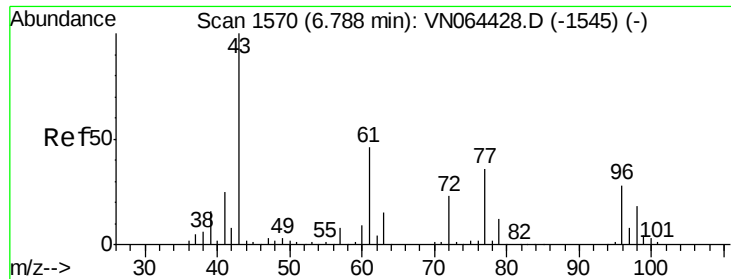
Abundance Ion 83.90 (83.60 to 84.60): VN064584.D (-767) (-)

Ion 48.90 (48.60 to 49.60): VN064584.D (-767) (-)

Ion 50.90 (50.60 to 51.60): VN064584.D (-767) (-)

Ion 85.90 (85.60 to 86.60): VN064584.D (-767) (-)

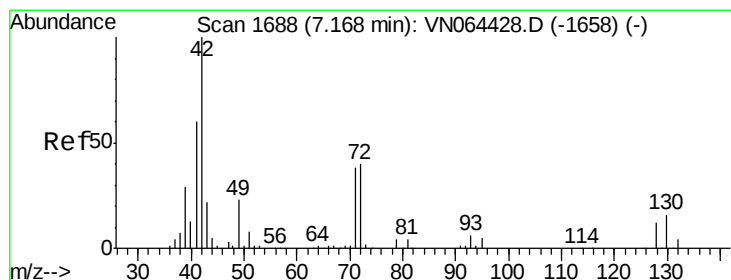
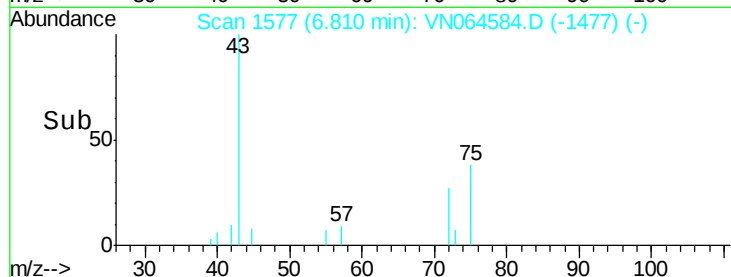
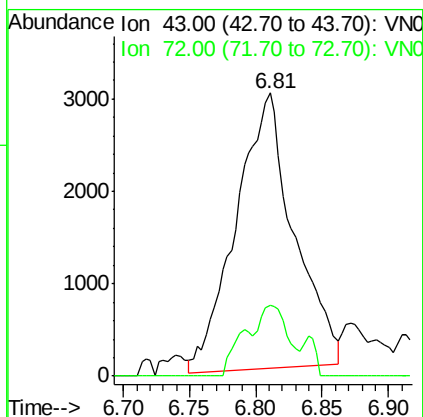
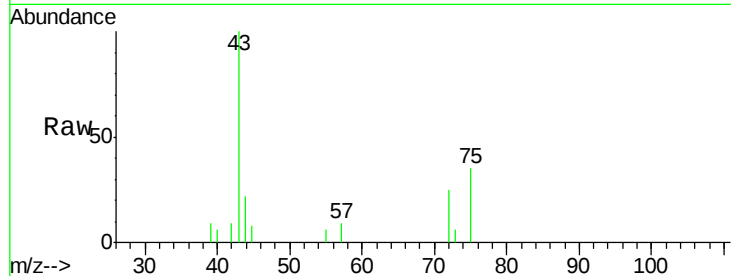




#25
2-Butanone
Concen: 4.762 ug/l
RT: 6.81 min Scan# 1577
Delta R.T. 0.02 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

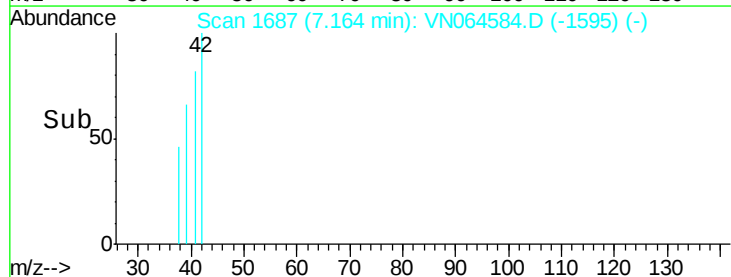
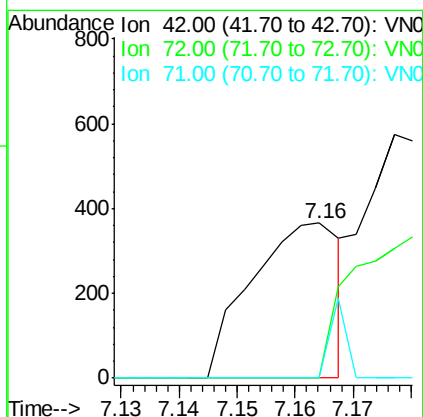
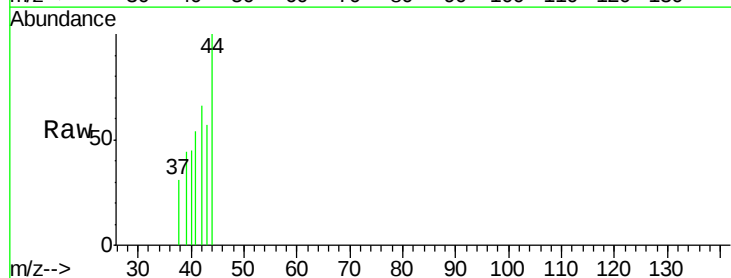
Instrument :
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ClientSampleId :
TRANSFORMER-1-4-TOP

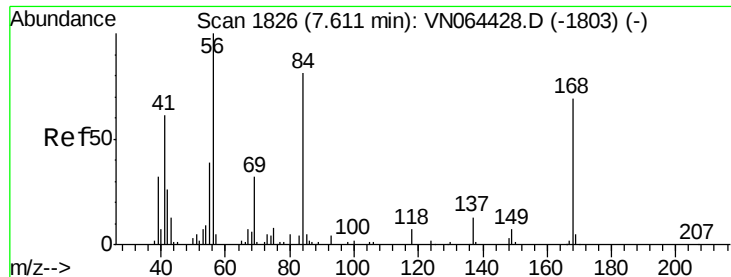
Tot Ion: 43 Resp: 9082
Ion Ratio Lower Upper
43 100
72 26.4 18.5 27.7



#29
Tetrahydrofuran
Concen: 0.332 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

Tgt Ion: 42 Resp: 389
Ion Ratio Lower Upper
42 100
72 0.0 31.7 47.5#
71 9.3 29.8 44.6#

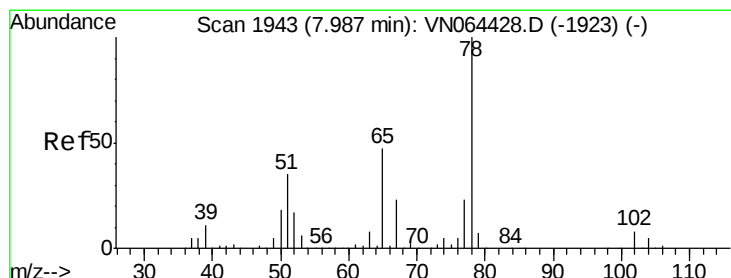
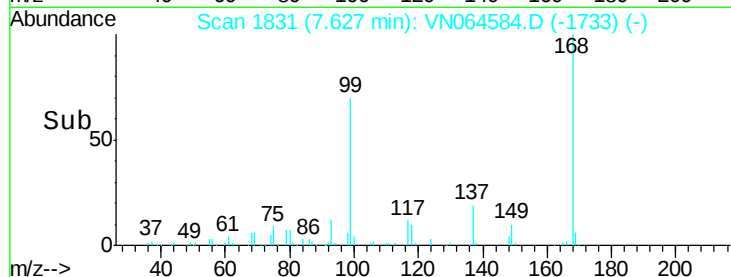
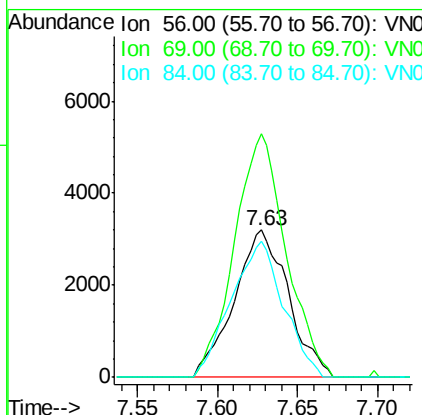
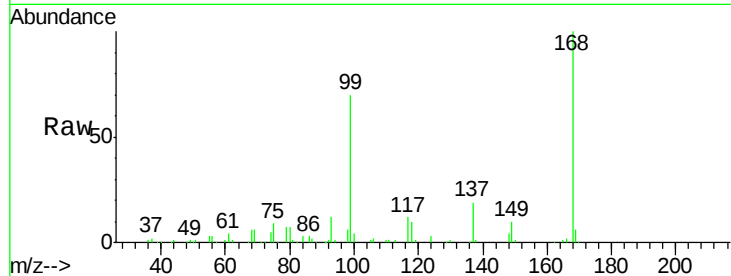




#31
Cyclohexane
Concen: 1.557 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

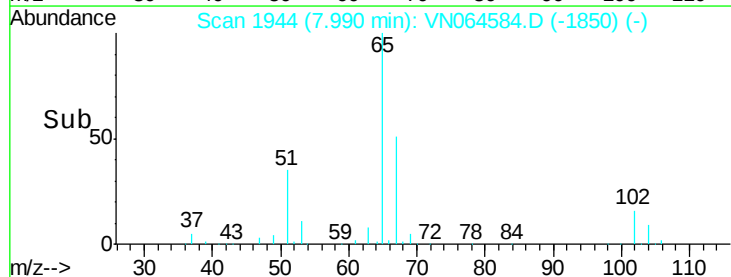
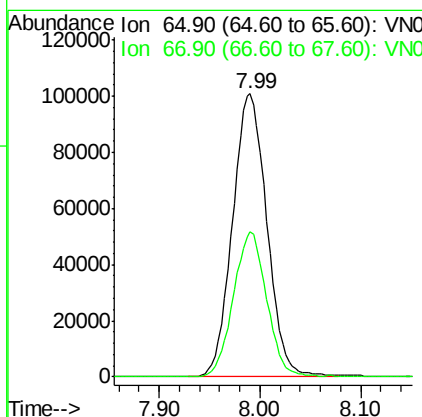
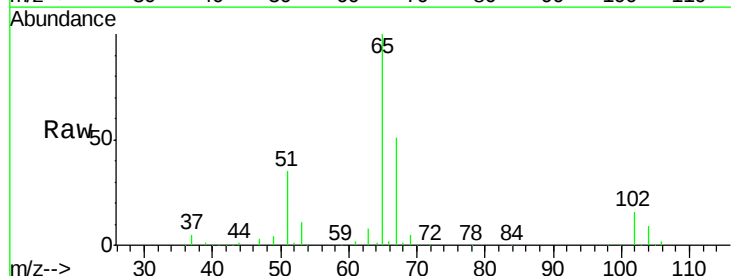
Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-1-4-TOP

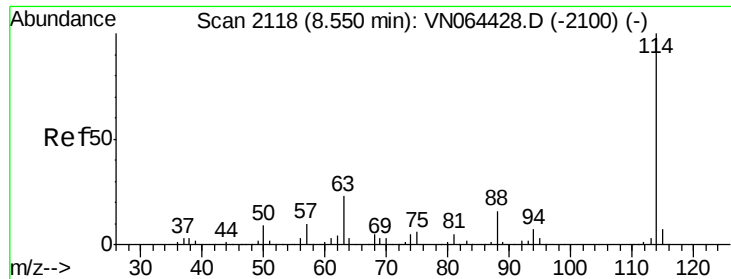
Tot Ion: 56 Resp: 7437
Ion Ratio Lower Upper
56 100
69 165.1 25.6 38.4#
84 92.1 63.0 94.6



#33
1,2-Dichloroethane-d4
Concen: 60.630 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

Tgt Ion: 65 Resp: 238258
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.6

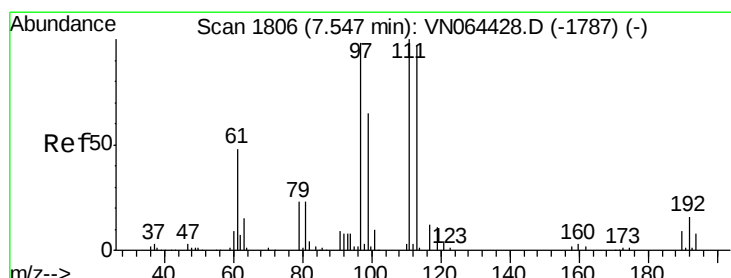
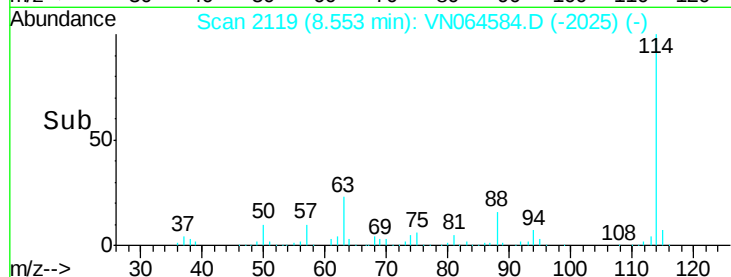
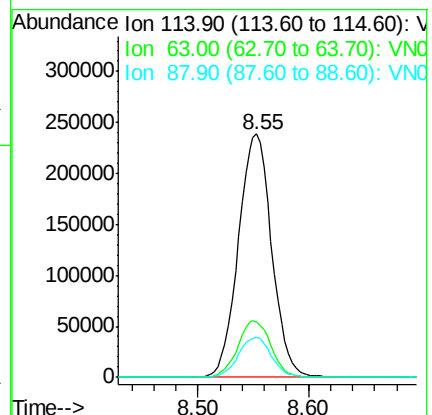
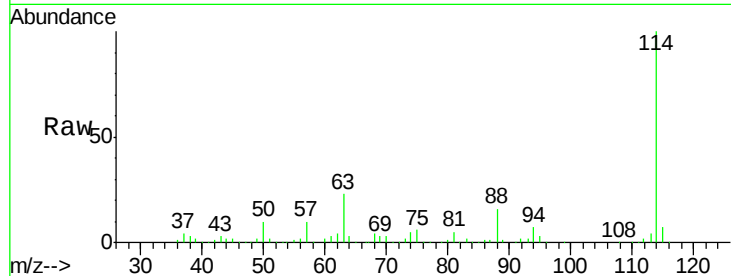




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

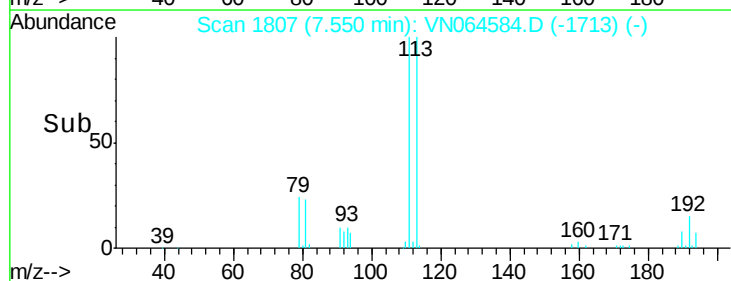
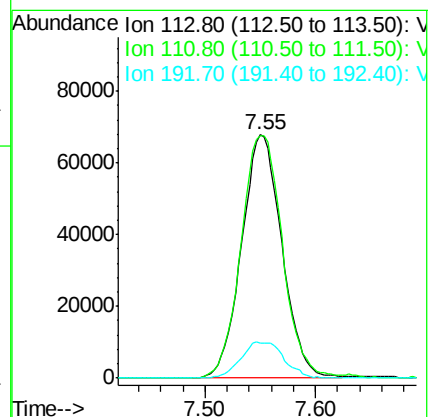
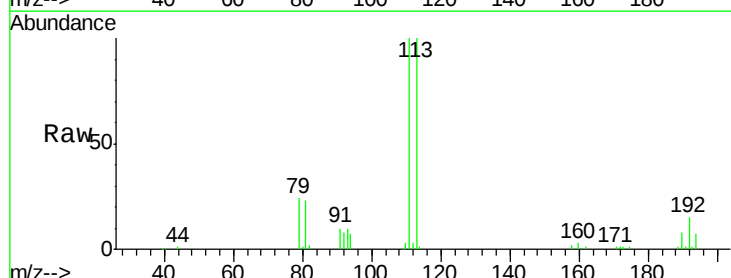
Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-1-4-TOP

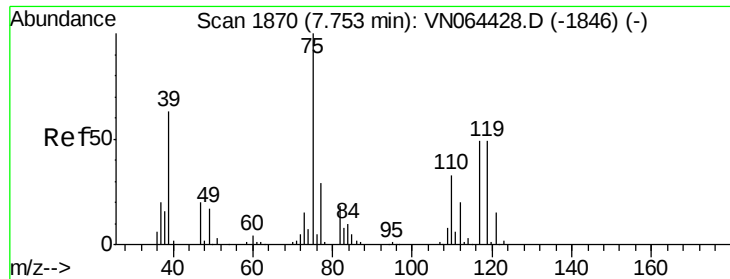
Tot Ion:114 Resp: 499499
Ion Ratio Lower Upper
114 100
63 22.8 0.0 45.6
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.413 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

Tgt Ion:113 Resp: 171450
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 16.0 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.260 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.12 min

Lab File: VN064584.D

Acq: 12 Nov 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

TRANSFORMER-1-4-TOP

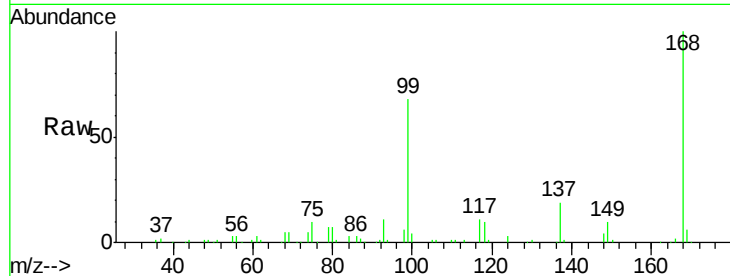
Tot Ion: 75 Resp: 22480

Ion Ratio Lower Upper

75 100

110 8.2 16.0 48.0#

77 0.0 24.0 36.0#

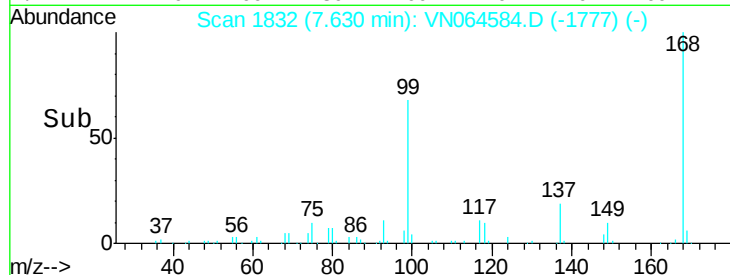


Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-1846) (-)

Ion 109.90 (109.60 to 110.60): VN064428.D (-1846) (-)

Ion 76.90 (76.60 to 77.60): VN064428.D (-1846) (-)

Time-->

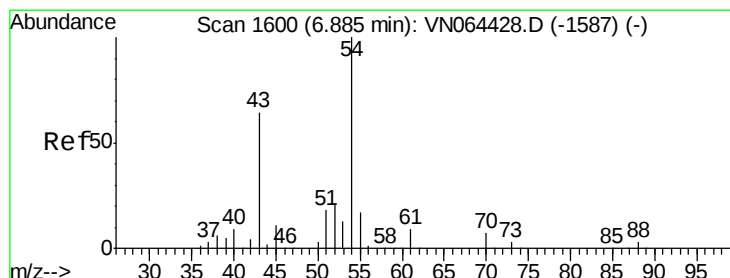


Abundance Ion 74.90 (74.60 to 75.60): VN064584.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN064584.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN064584.D (-1777) (-)

Time-->



#37

Ethyl Acetate

Concen: 0.890 ug/l

RT: 6.87 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VN064584.D

Acq: 12 Nov 2020 16:25

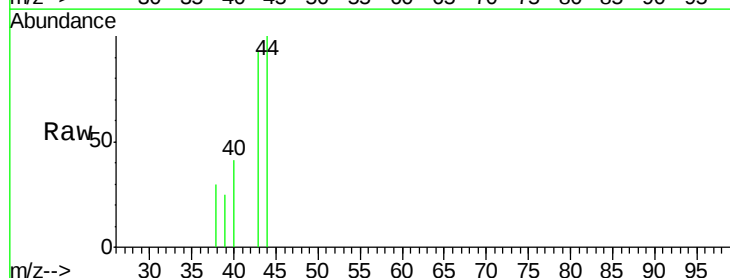
Tgt Ion: 43 Resp: 694

Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

70 0.0 7.1 10.7#

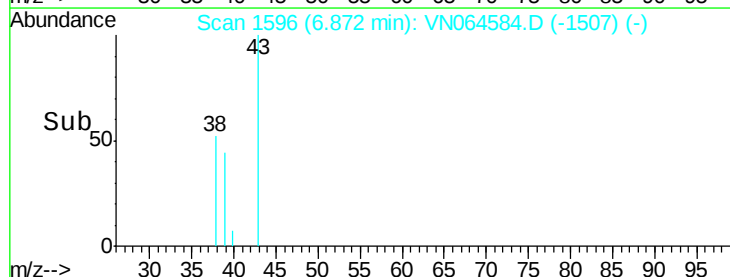


Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1587) (-)

Ion 60.90 (60.60 to 61.60): VN064428.D (-1587) (-)

Ion 70.00 (69.70 to 70.70): VN064428.D (-1587) (-)

Time-->

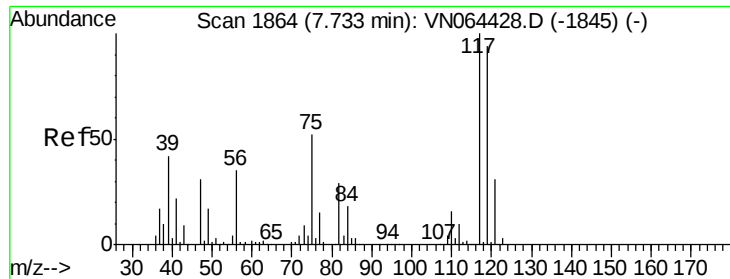


Abundance Ion 43.00 (42.70 to 43.70): VN064584.D (-1507) (-)

Ion 60.90 (60.60 to 61.60): VN064584.D (-1507) (-)

Ion 70.00 (69.70 to 70.70): VN064584.D (-1507) (-)

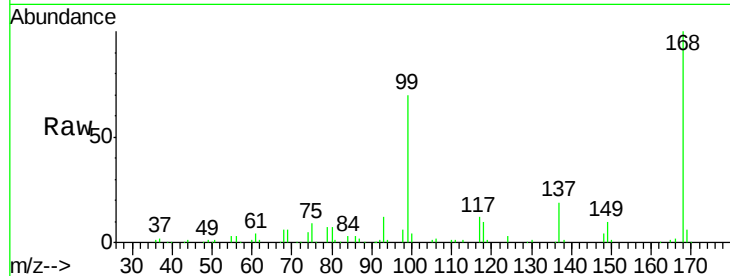
Time-->



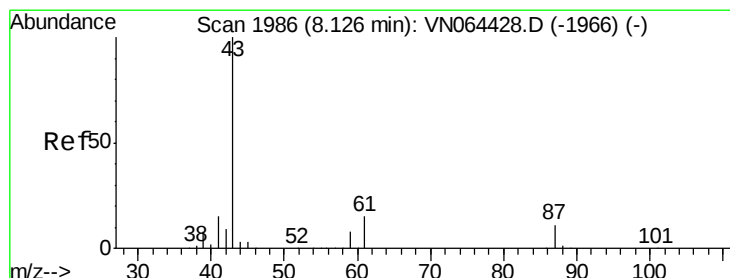
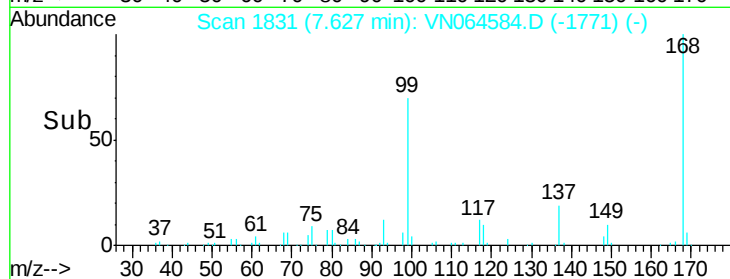
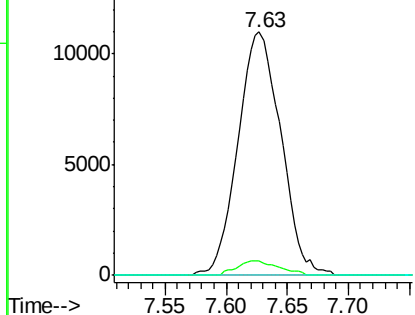
#38
Carbon Tetrachloride
Concen: 4.746 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-1-4-TOP

Tot Ion:117 Resp: 26768
Ion Ratio Lower Upper
117 100
119 5.8 75.5 113.3#
121 0.0 24.4 36.6#

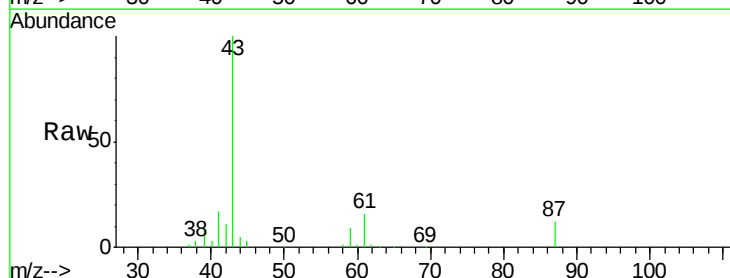


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

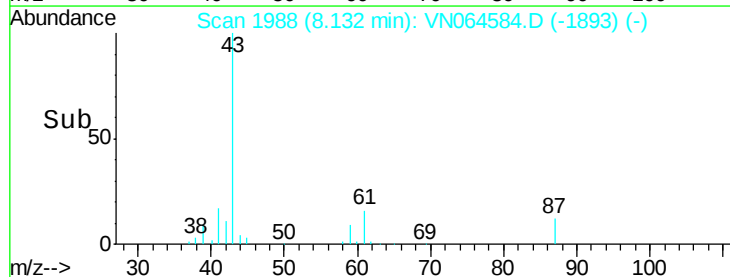
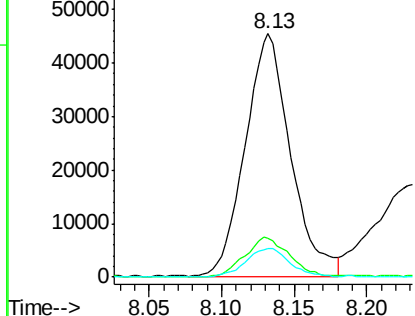


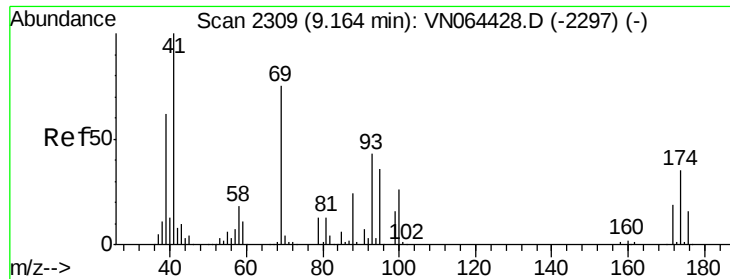
#43
Isopropyl Acetate
Concen: 11.537 ug/l
RT: 8.13 min Scan# 1988
Delta R.T. 0.01 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

Tgt Ion: 43 Resp: 98664
Ion Ratio Lower Upper
43 100
61 16.2 14.0 21.0
87 11.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

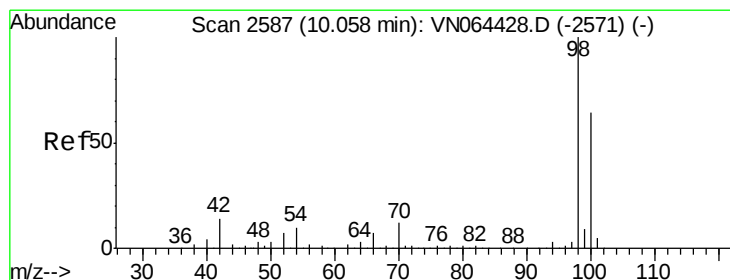
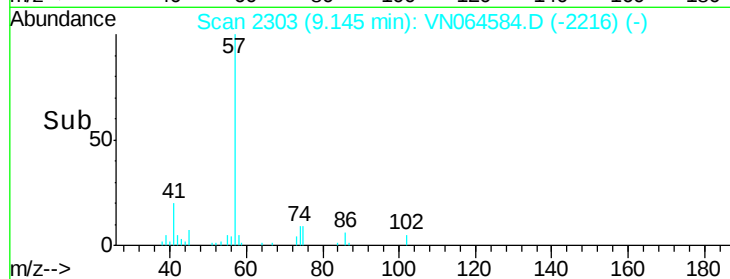
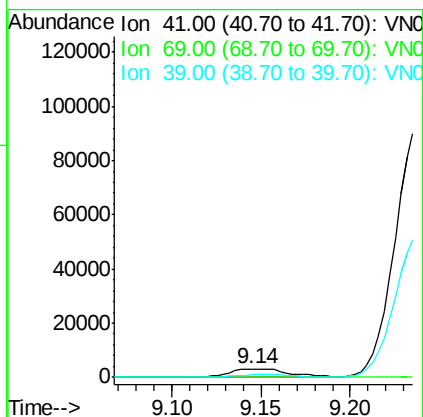
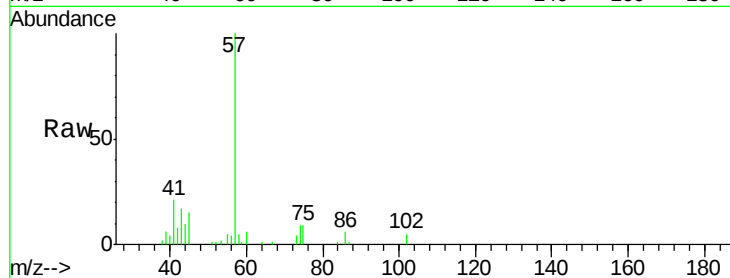




#48
Methyl methacrylate
Concen: 1.554 ug/l
RT: 9.14 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

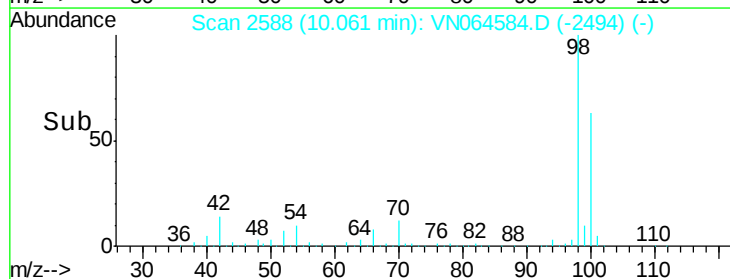
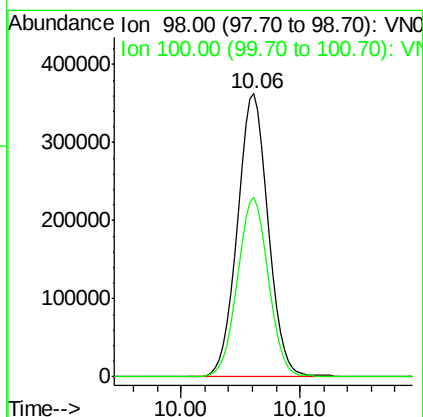
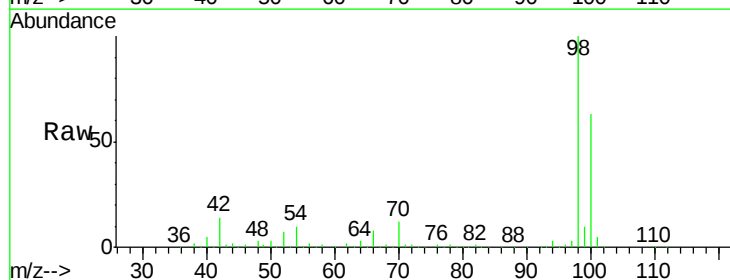
Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-1-4-TOP

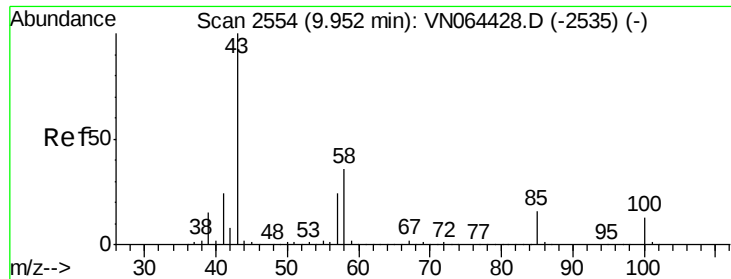
Tot Ion: 41 Resp: 6704
Ion Ratio Lower Upper
41 100
69 0.5 60.4 90.6#
39 0.0 51.2 76.8#



#50
Toluene-d8
Concen: 49.536 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

Tgt Ion: 98 Resp: 651122
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1

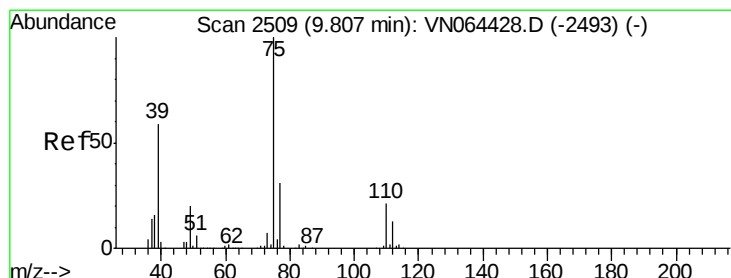
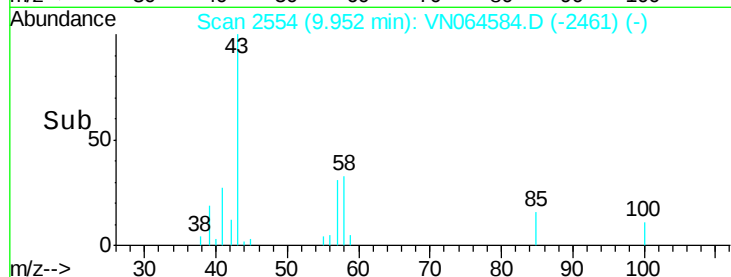
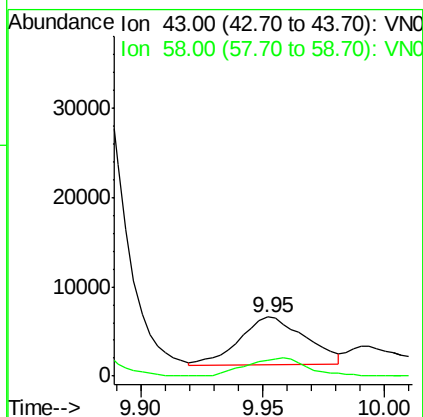
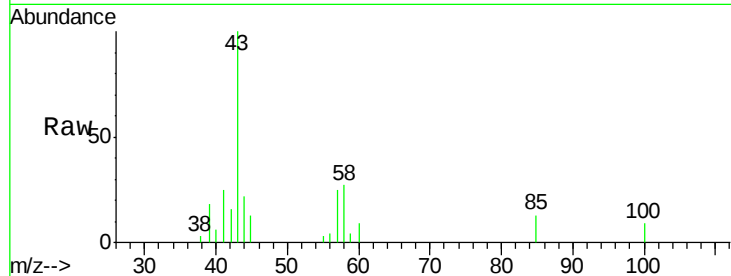




#51
4-Methyl-2-Pentanone
Concen: 2.056 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

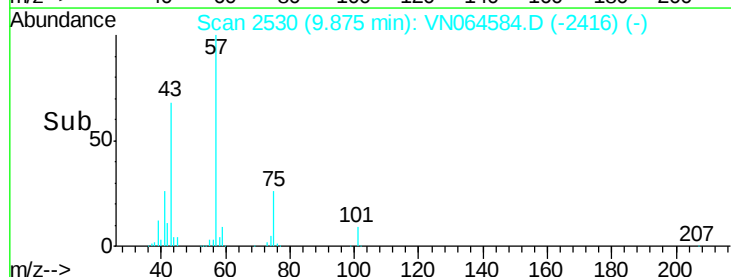
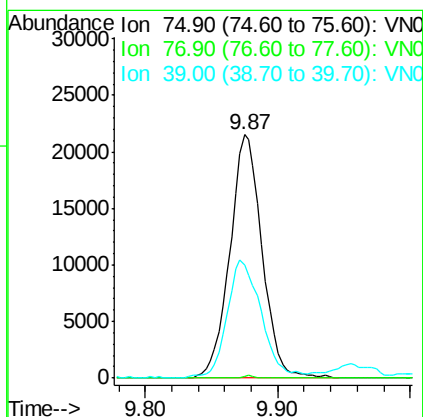
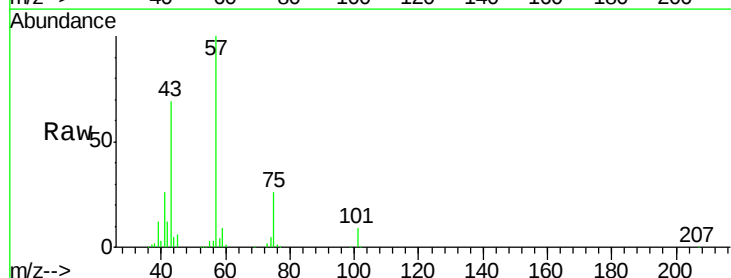
Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-1-4-TOP

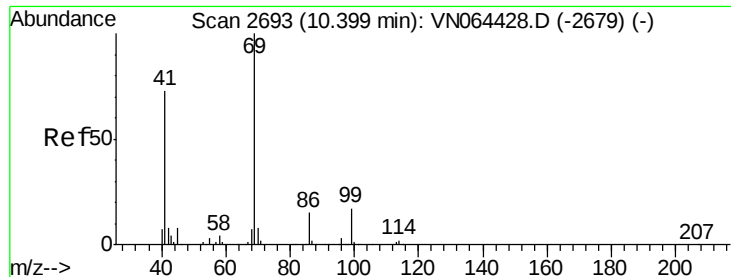
Tot Ion: 43 Resp: 10251
Ion Ratio Lower Upper
43 100
58 34.5 28.4 42.6



#54
cis-1,3-Dichloropropene
Concen: 5.462 ug/l
RT: 9.87 min Scan# 2530
Delta R.T. 0.07 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

Tgt Ion: 75 Resp: 36256
Ion Ratio Lower Upper
75 100
77 0.9 24.9 37.3#
39 45.6 47.1 70.7#





#56

Ethyl methacrylate

Concen: 2.424 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN064584.D

Acq: 12 Nov 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

TRANSFORMER-1-4-TOP

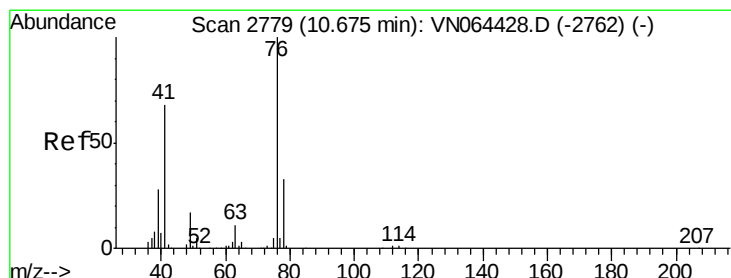
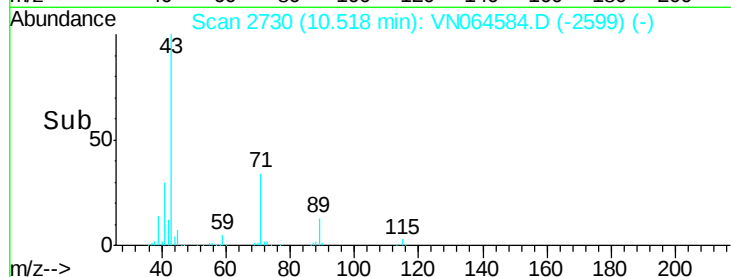
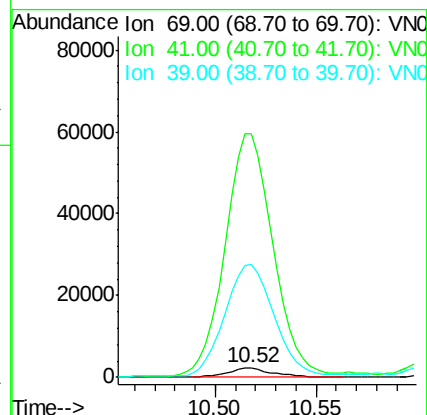
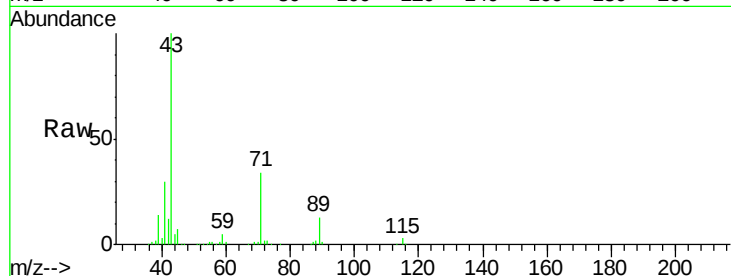
Tot Ion: 69 Resp: 3676

Ion Ratio Lower Upper

69 100

41 2709.5 59.3 88.9#

39 1268.5 35.4 53.0#



#57

1,3-Dichloropropane

Concen: 0.945 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.06 min

Lab File: VN064584.D

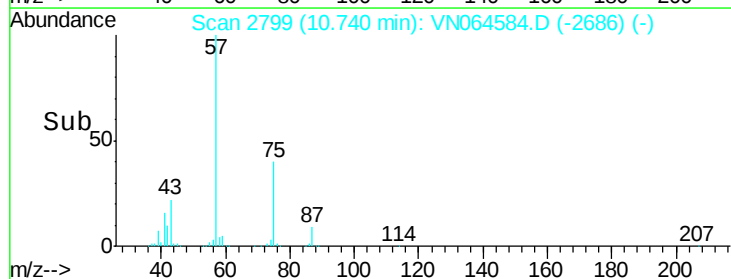
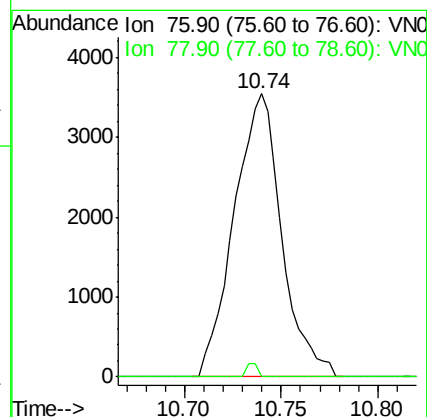
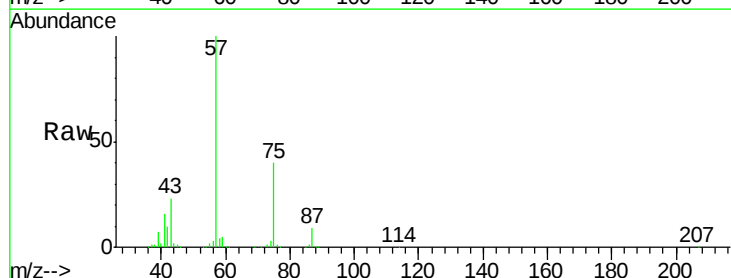
Acq: 12 Nov 2020 16:25

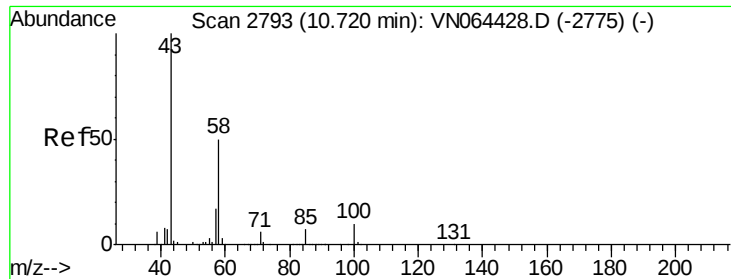
Tgt Ion: 76 Resp: 6081

Ion Ratio Lower Upper

76 100

78 1.1 25.8 38.6#

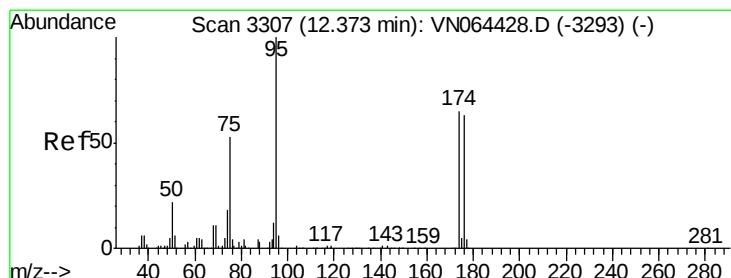
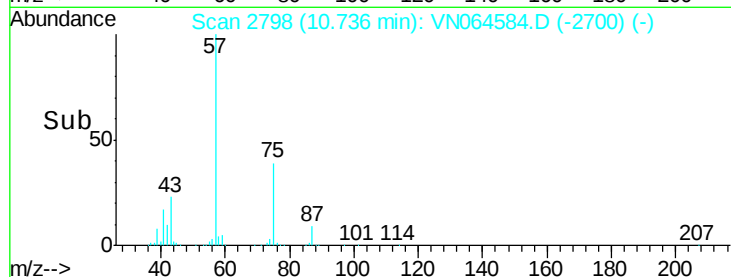
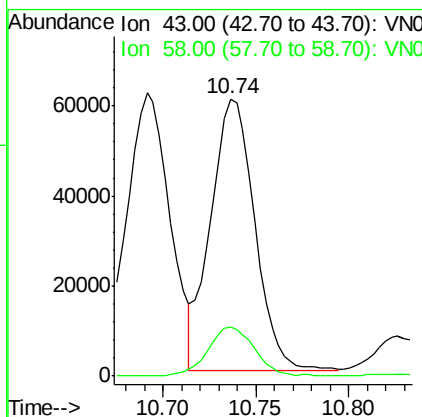
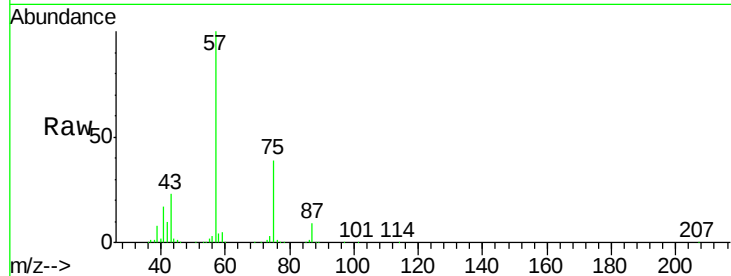




#59
2-Hexanone
Concen: 28.282 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

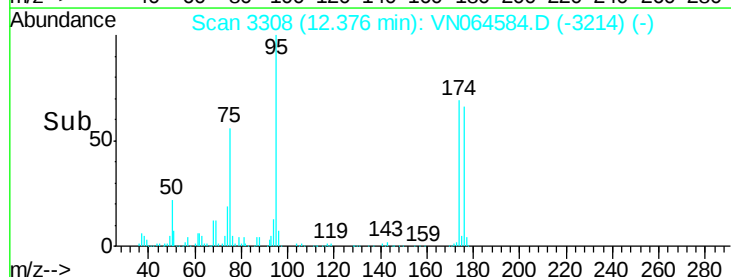
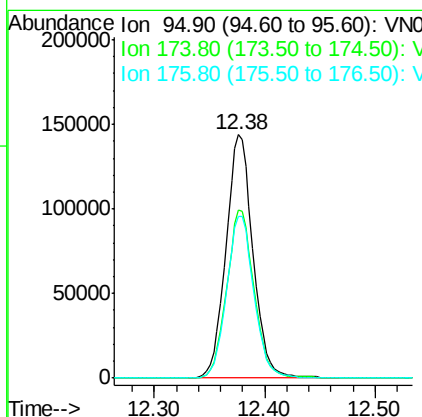
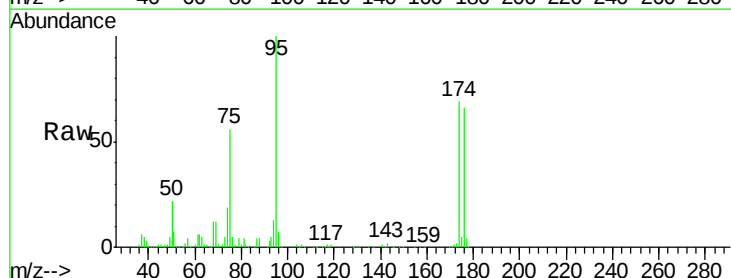
Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-1-4-TOP

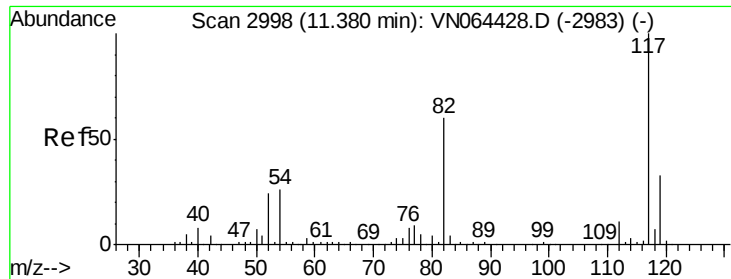
Tot Ion: 43 Resp: 100246
Ion Ratio Lower Upper
43 100
58 19.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 49.107 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

Tgt Ion: 95 Resp: 244116
Ion Ratio Lower Upper
95 100
174 69.8 0.0 132.6
176 67.5 0.0 129.2

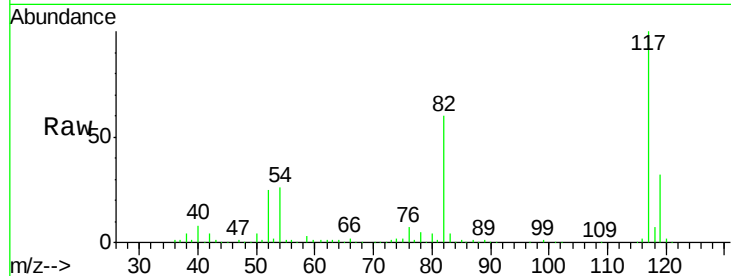




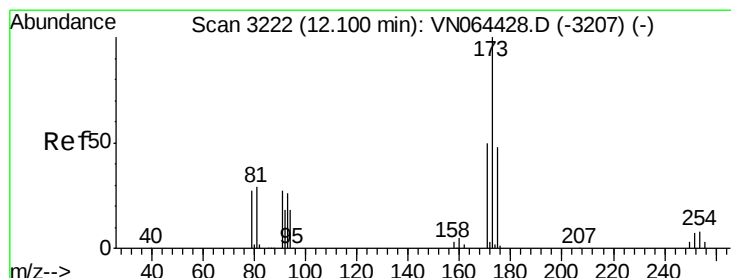
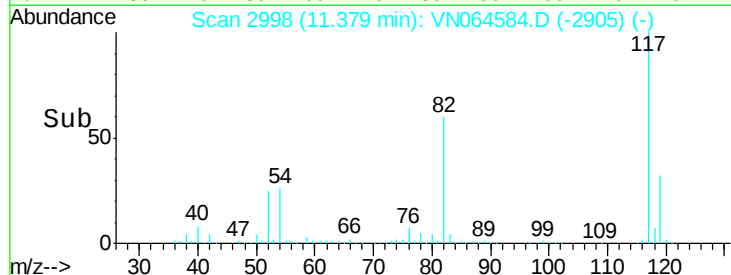
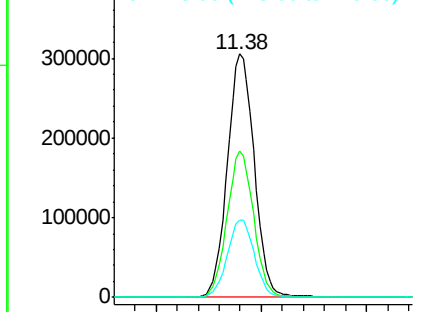
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-1-4-TOP

Tot Ion:117 Resp: 540205
Ion Ratio Lower Upper
117 100
82 59.9 48.1 72.1
119 31.7 26.2 39.4

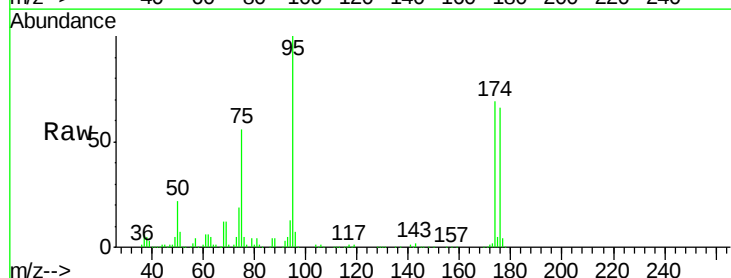


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

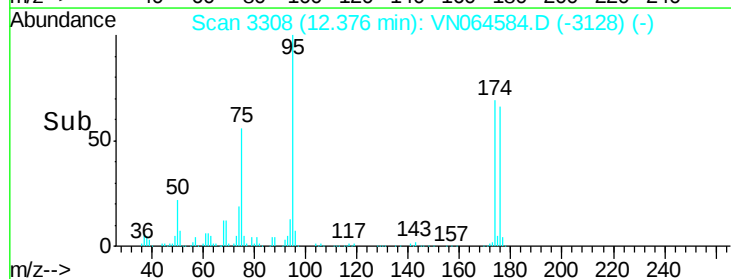
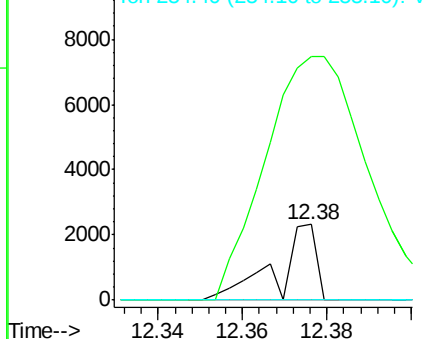


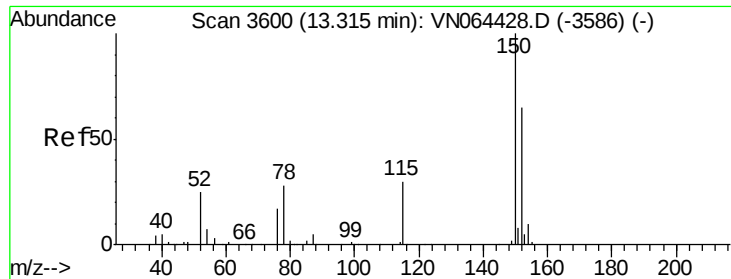
#71
Bromoform
Concen: 1.710 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064584.D
Acq: 12 Nov 2020 16:25

Tgt Ion:173 Resp: 1479
Ion Ratio Lower Upper
173 100
175 684.8 23.7 71.1#
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: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064584.D

Acq: 12 Nov 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

TRANSFORMER-1-4-TOP

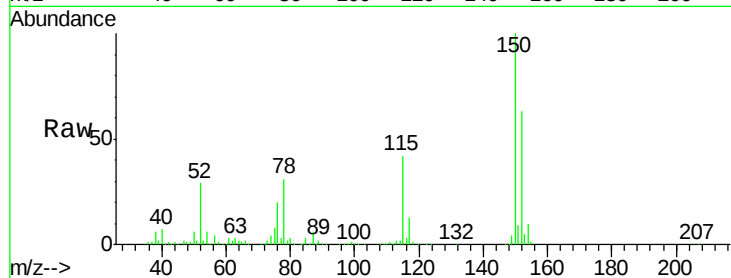
Tot Ion:152 Resp: 196675

Ion Ratio Lower Upper

152 100

115 65.5 32.0 96.0

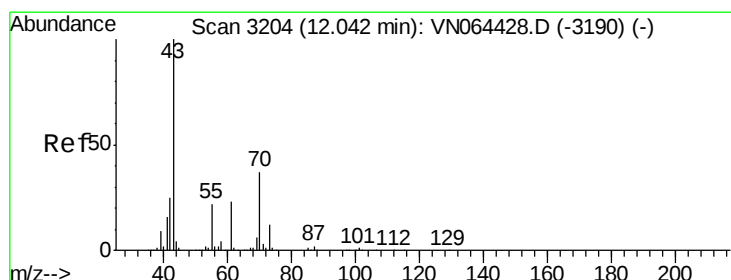
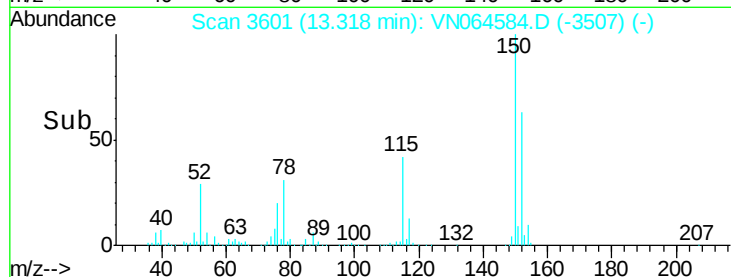
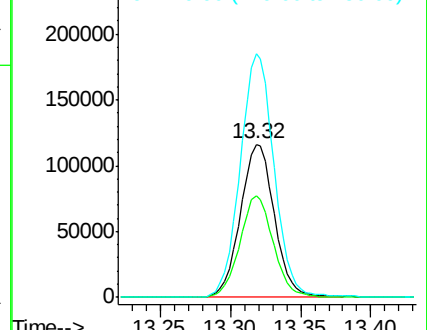
150 158.4 0.0 353.8



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



#74

N-ethyl acetate

Concen: 1.911 ug/l

RT: 12.00 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN064584.D

Acq: 12 Nov 2020 16:25

Tgt Ion: 43 Resp: 5417

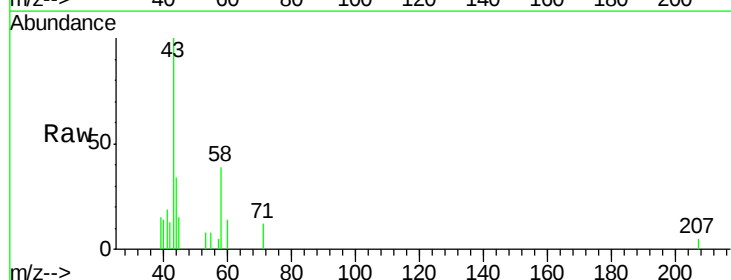
Ion Ratio Lower Upper

43 100

70 0.6 29.6 44.4#

55 10.4 18.4 27.6#

61 0.0 17.8 26.6#

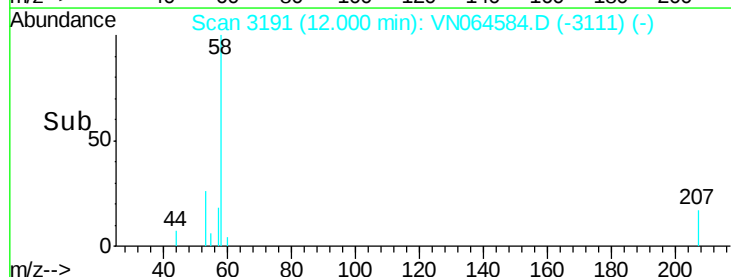
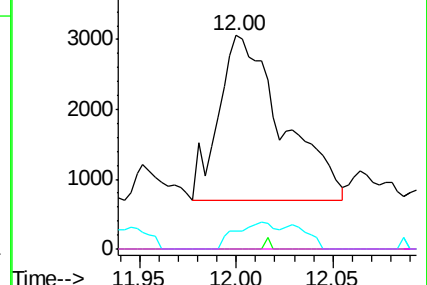


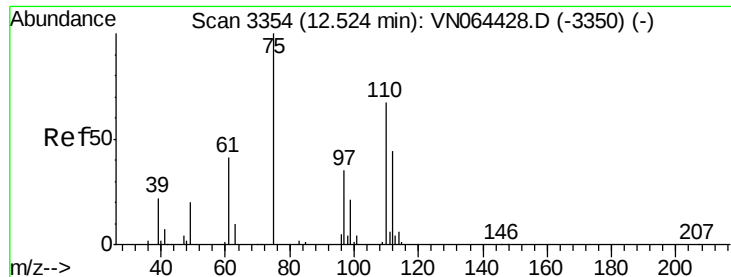
Abundance Ion 43.00 (42.70 to 43.70): V

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: 29.141 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064584.D

Acq: 12 Nov 2020 16:25

Instrument :

MSVOA_N

ClientSampleId :

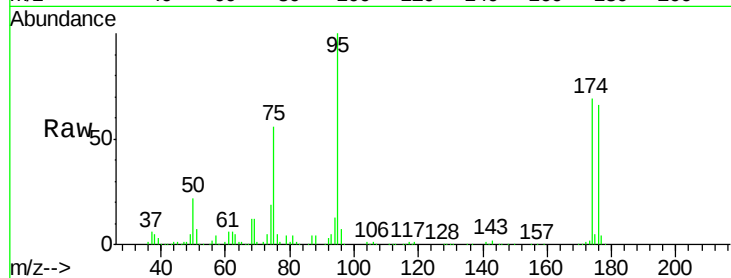
TRANSFORMER-1-4-TOP

Tot Ion: 75 Resp: 138864

Ion Ratio Lower Upper

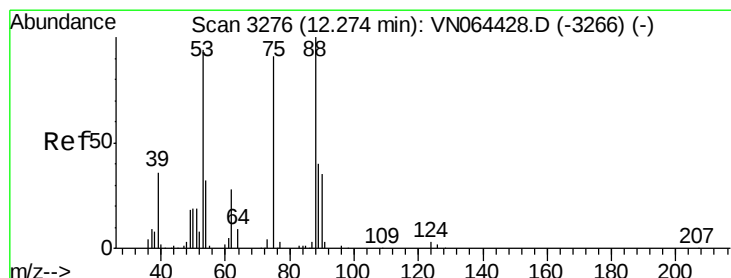
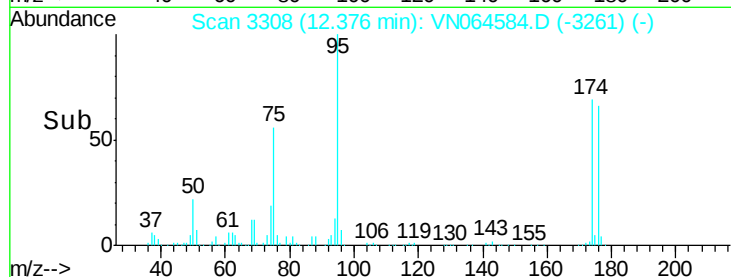
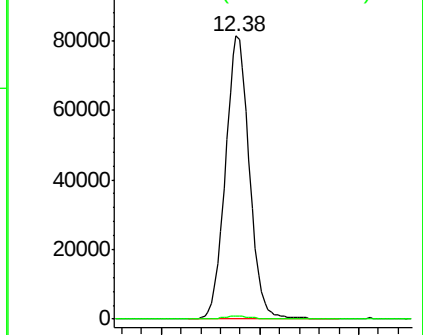
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 81.365 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064584.D

Acq: 12 Nov 2020 16:25

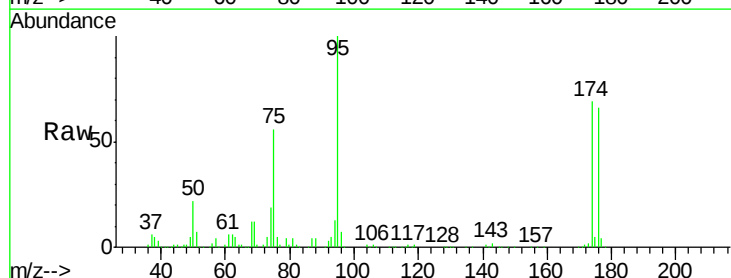
Tgt Ion: 75 Resp: 138864

Ion Ratio Lower Upper

75 100

53 0.3 84.0 126.0#

89 0.0 36.3 54.5#



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

