

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062851.D
 Acq On : 12 Aug 2020 12:14
 Operator : JC/MD
 Sample : VN0812WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBL01

Quant Time: Aug 13 05:20:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	121072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	207343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	214897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	79733	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	104098	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
35) Dibromofluoromethane	7.55	113	76452	53.90	ug/l	0.00
Spiked Amount			Recovery	=	107.80%	
50) Toluene-d8	10.06	98	270296	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.38	95	98666	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	

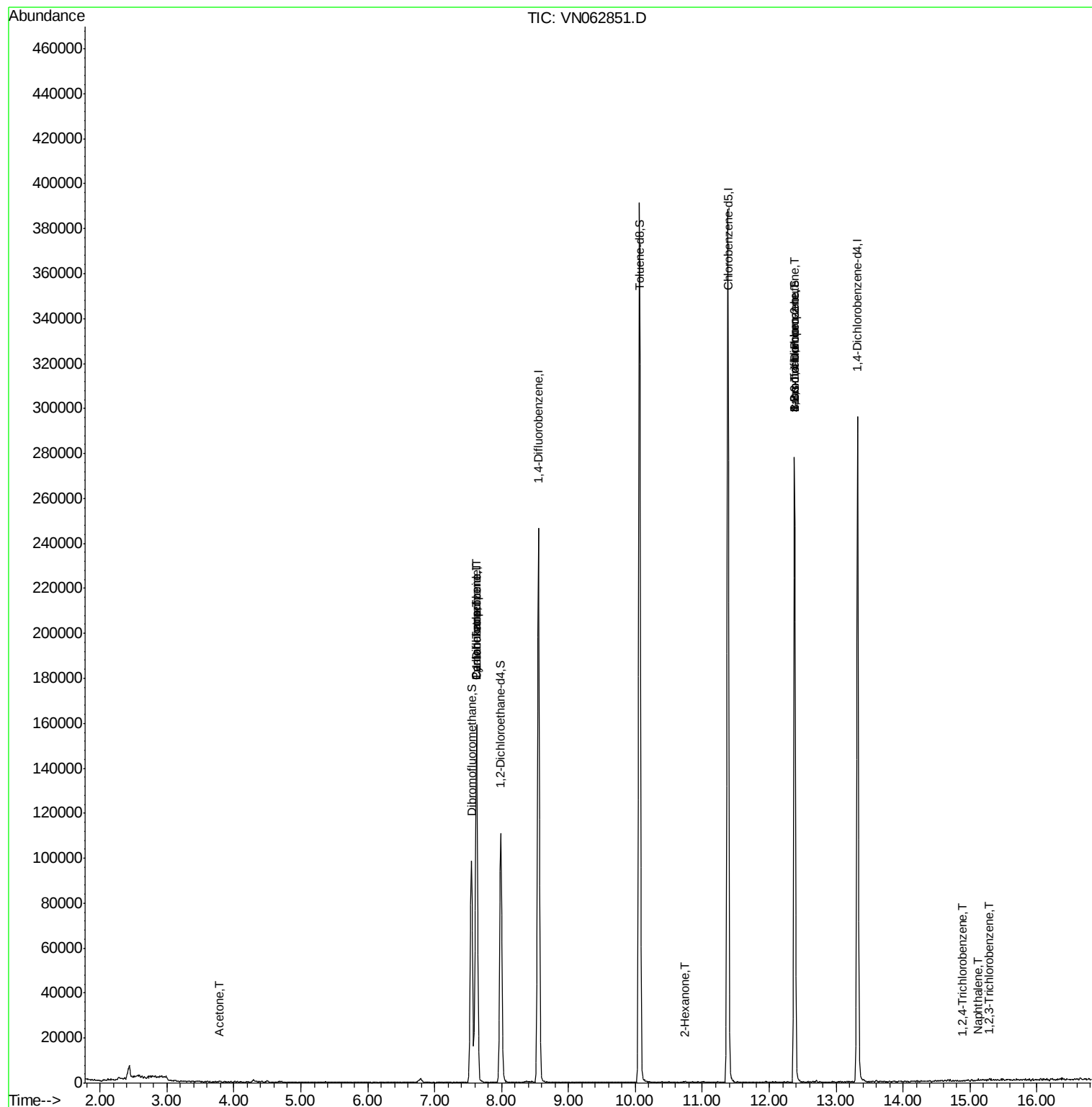
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	168	0.232	ug/l #	45
17) Carbon Disulfide	4.00	76	388	Below Cal	#	74
18) Methyl Acetate	4.28	43	761	Below Cal	#	52
20) Methylene Chloride	4.50	84	190	Below Cal	#	46
31) Cyclohexane	7.63	56	2895	1.193	ug/l #	35
36) 1,1-Dichloropropene	7.62	75	9936	4.921	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13197	5.527	ug/l #	14
59) 2-Hexanone	10.74	43	354	0.209	ug/l #	25
71) Bromoform	12.37	173	1010	0.684	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	53216	24.748	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	53216	75.549	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.89	180	73	3.373	ug/l #	11
95) Naphthalene	15.12	128	684	3.881	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.29	180	183	2.871	ug/l #	46

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

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

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Quant Time: Aug 13 05:20:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration

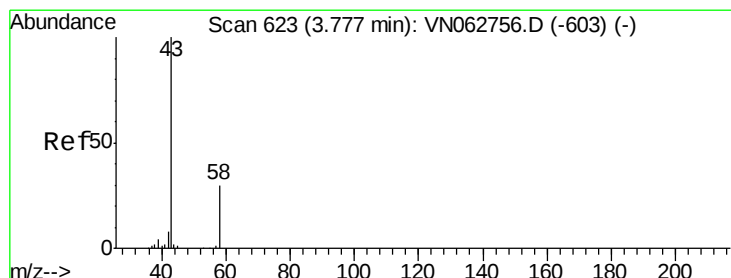
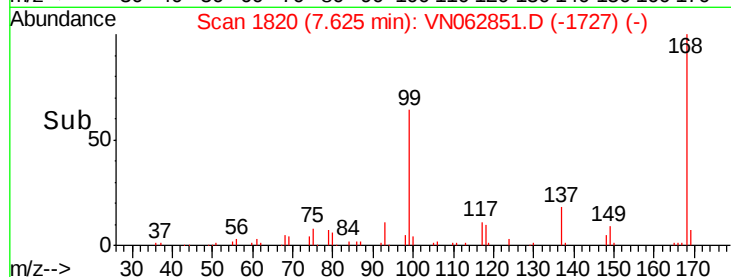
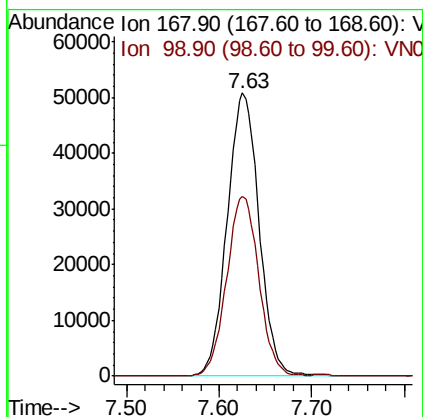
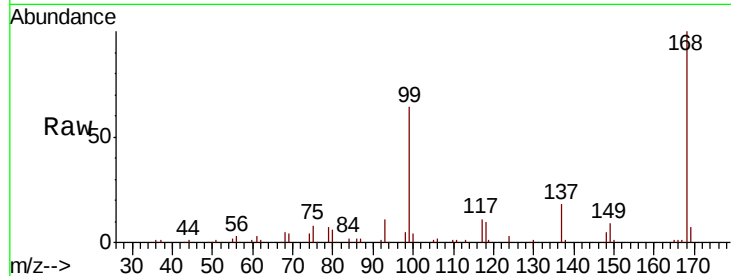




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.00 min
Lab File: VN062851.D
Acq: 12 Aug 2020 12:14

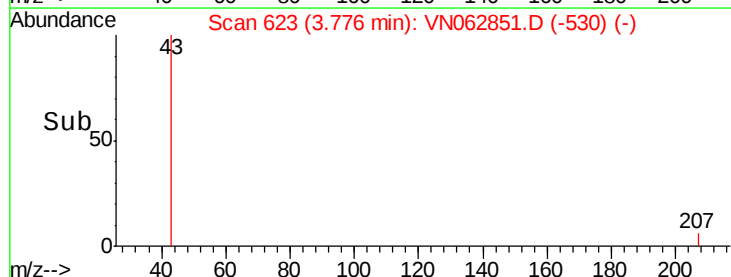
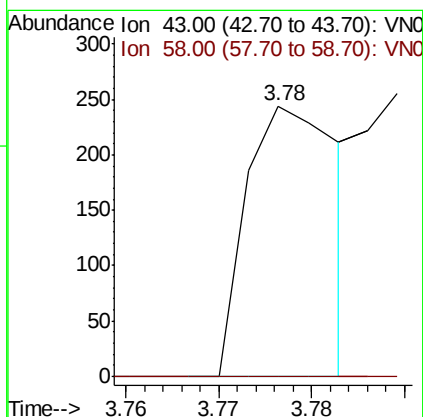
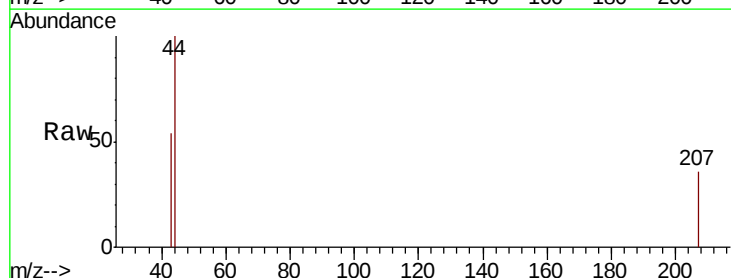
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

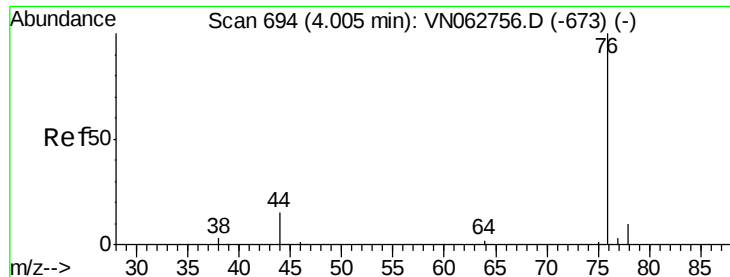
Tot Ion:168 Resp: 121072
Ion Ratio Lower Upper
168 100
99 63.7 52.9 79.3



#16
Acetone
Concen: 0.232 ug/l
RT: 3.78 min Scan# 623
Delta R.T. -0.00 min
Lab File: VN062851.D
Acq: 12 Aug 2020 12:14

Tgt Ion: 43 Resp: 168
Ion Ratio Lower Upper
43 100
58 0.0 24.1 36.1#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062851.D

Acq: 12 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

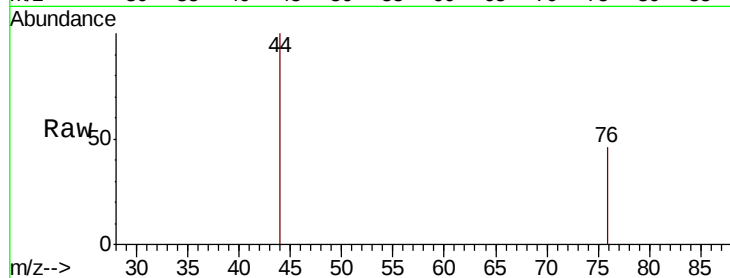
VN0812WBL01

Tot Ion: 76 Resp: 388

Ion Ratio Lower Upper

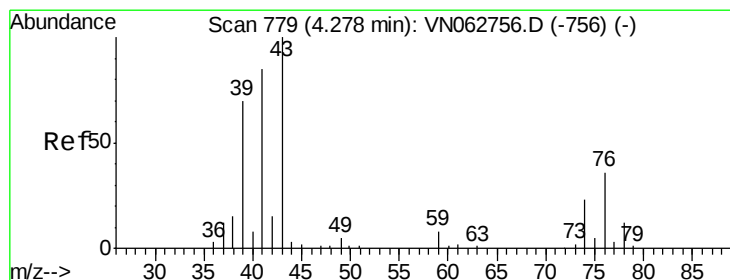
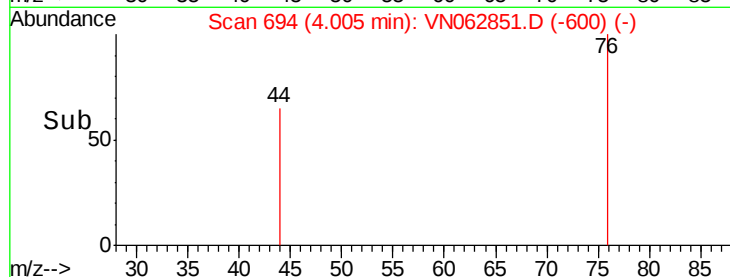
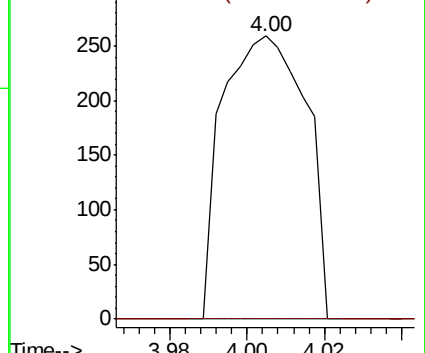
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062851.D

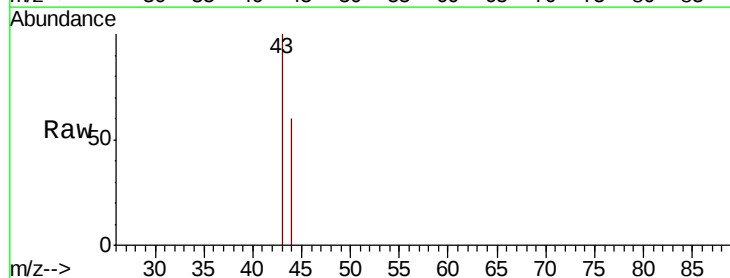
Acq: 12 Aug 2020 12:14

Tgt Ion: 43 Resp: 761

Ion Ratio Lower Upper

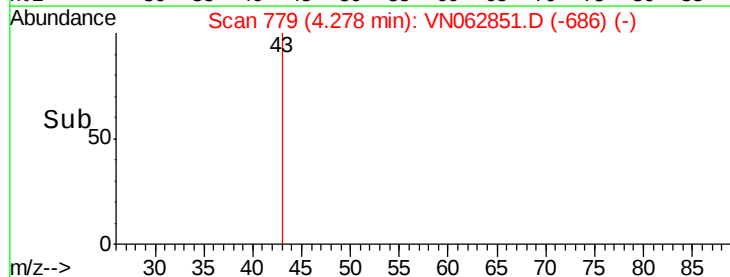
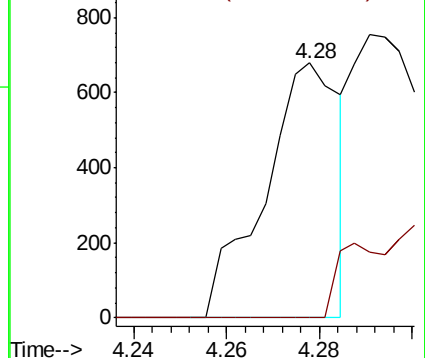
43 100

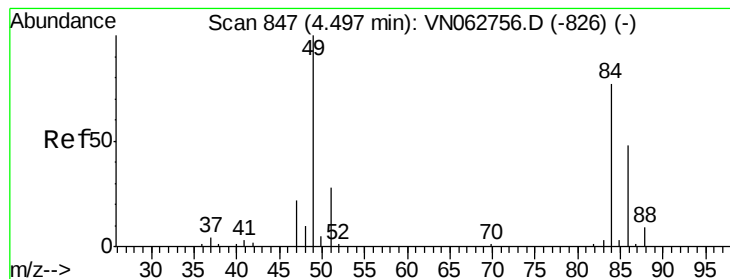
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.50 min Scan# 848

Delta R.T. 0.00 min

Lab File: VN062851.D

Acq: 12 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBL01

Tot Ion: 84 Resp: 190

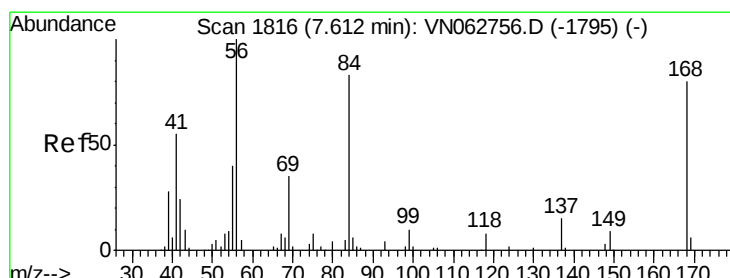
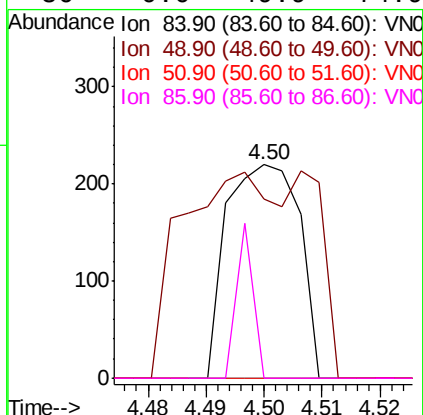
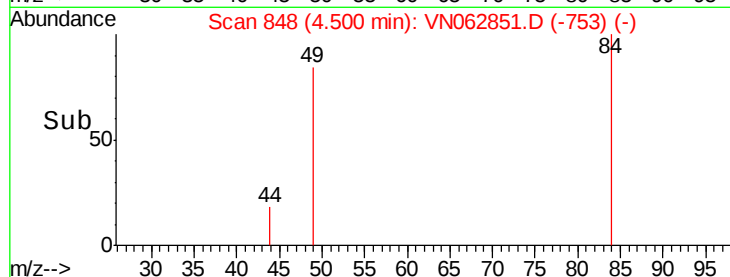
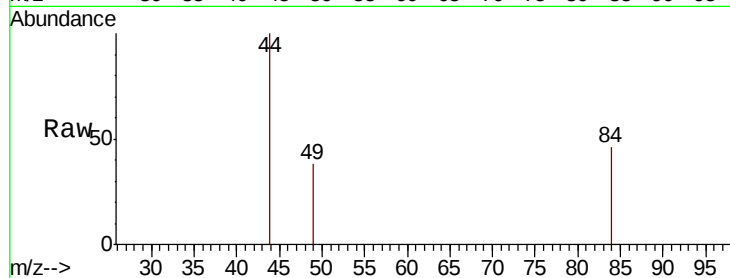
Ion Ratio Lower Upper

84 100

49 83.6 103.4 155.2#

51 0.0 29.3 43.9#

86 0.0 49.9 74.9#



#31

Cyclohexane

Concen: 1.193 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062851.D

Acq: 12 Aug 2020 12:14

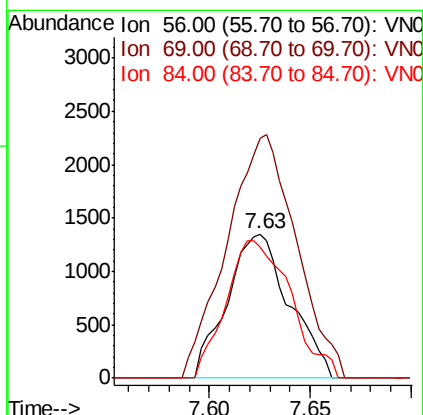
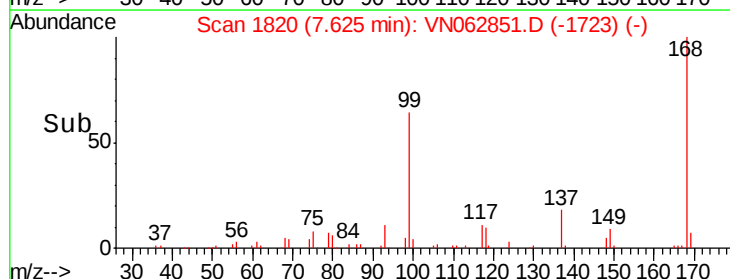
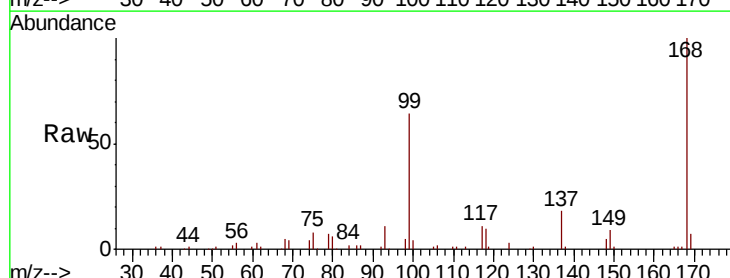
Tgt Ion: 56 Resp: 2895

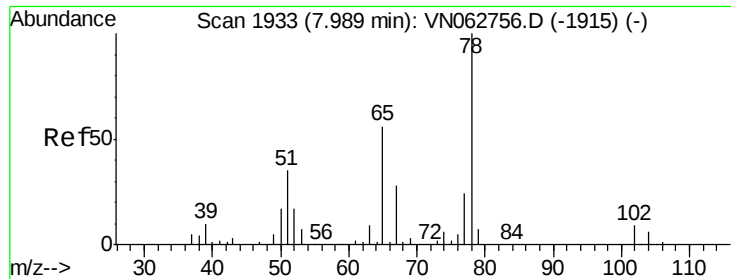
Ion Ratio Lower Upper

56 100

69 152.3 28.1 42.1#

84 91.0 66.8 100.2

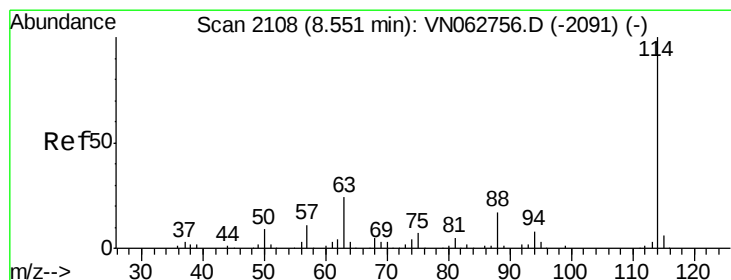
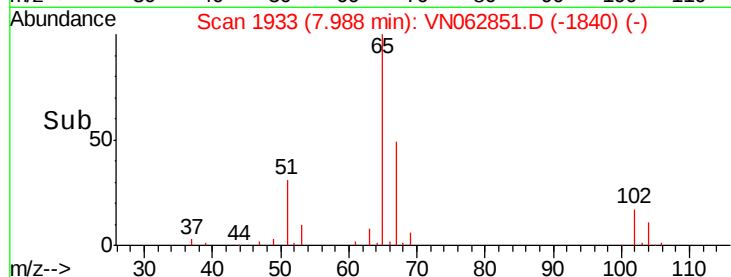
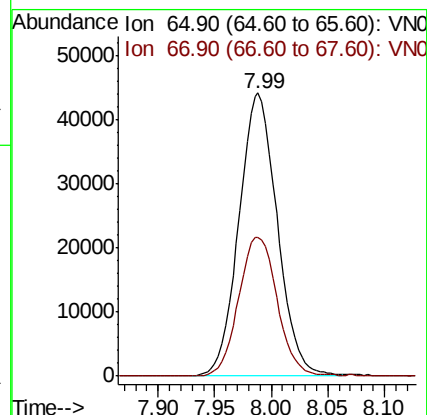
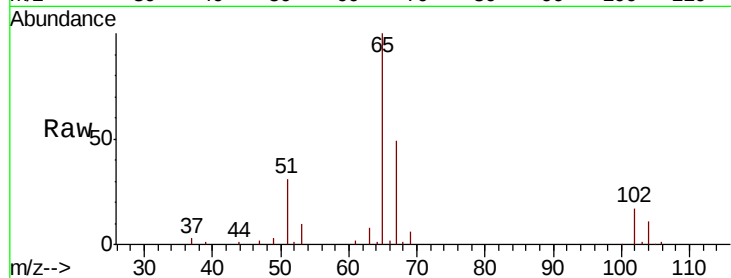




#33
 1,2-Dichloroethane-d4
 Concen: 51.993 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062851.D
 Acq: 12 Aug 2020 12:14

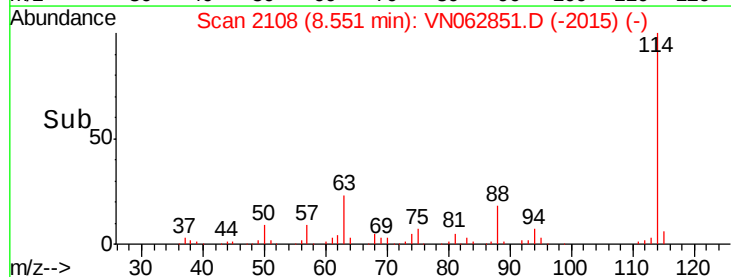
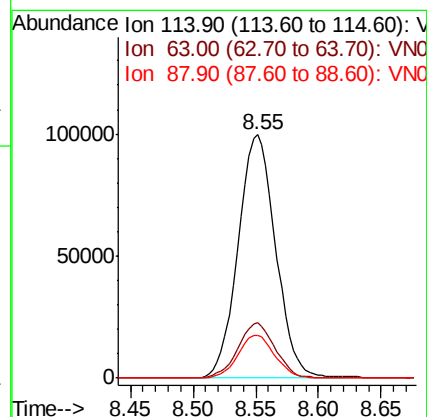
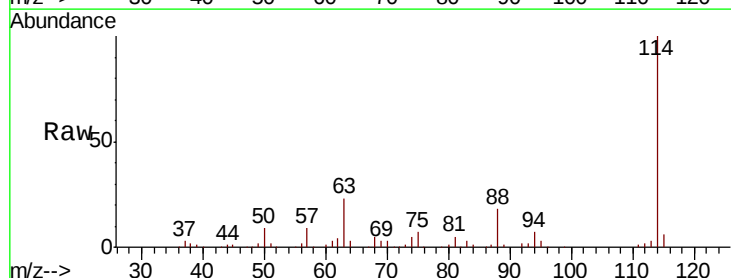
Instrument :
 MSVOA_N
 ClientSampleId :
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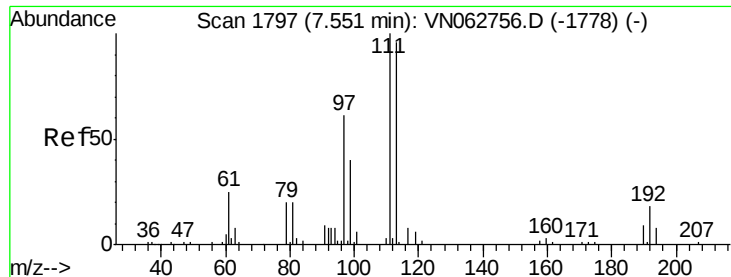
Tot Ion: 65 Resp: 104098
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062851.D
 Acq: 12 Aug 2020 12:14

Tgt Ion: 114 Resp: 207343
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.6
 88 17.7 0.0 34.4

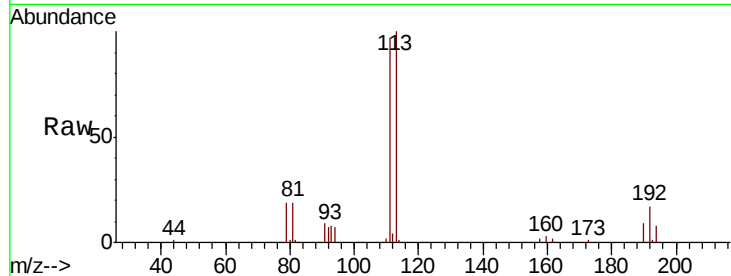




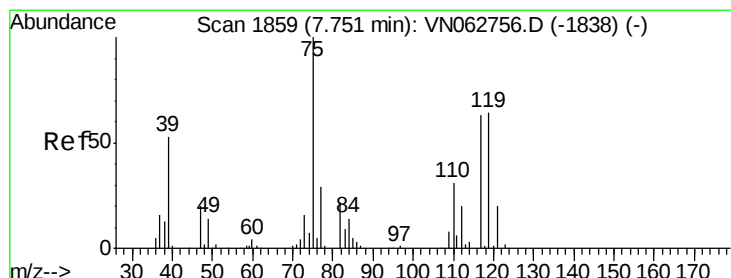
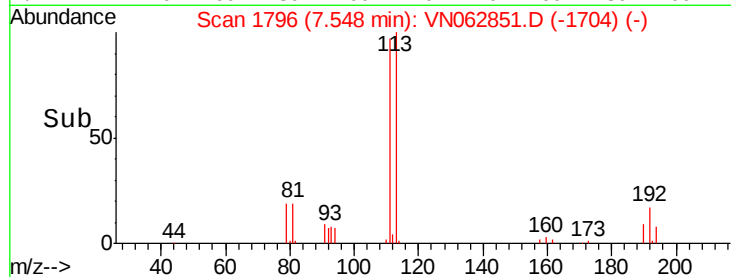
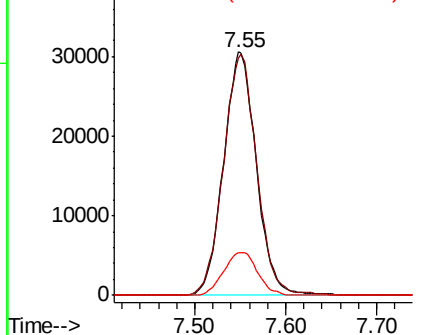
#35
 Dibromofluoromethane
 Concen: 53.902 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062851.D
 Acq: 12 Aug 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBL01

Tot Ion:113 Resp: 76452
 Ion Ratio Lower Upper
 113 100
 111 100.0 81.8 122.6
 192 18.1 15.0 22.4

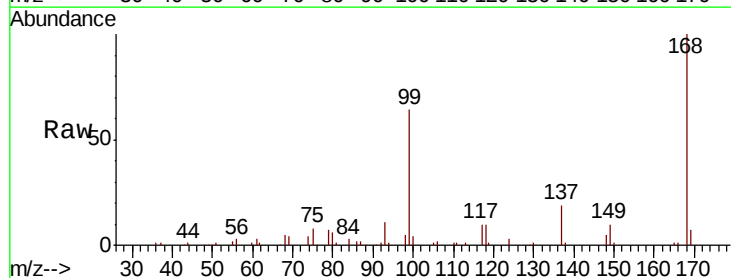


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

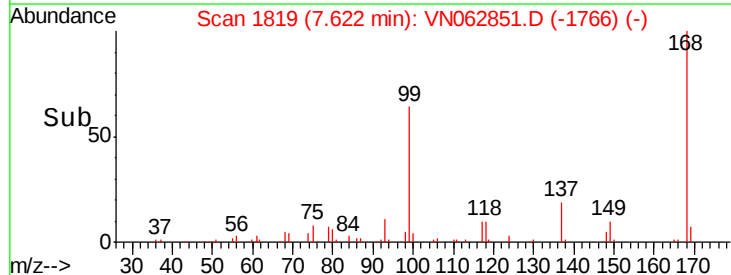
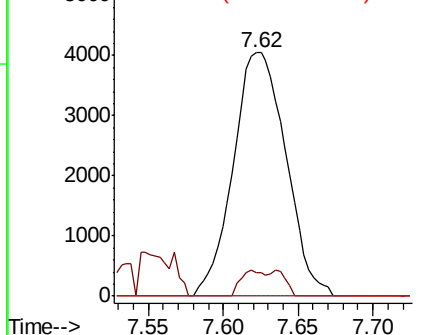


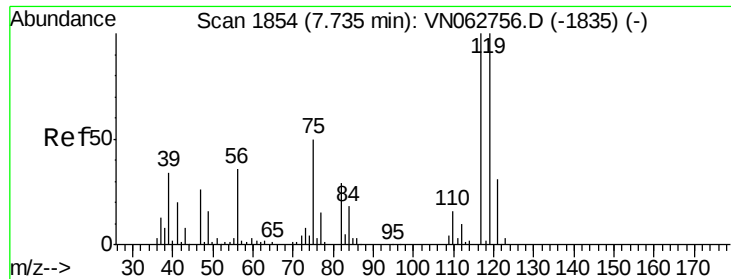
#36
 1,1-Dichloropropene
 Concen: 4.921 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062851.D
 Acq: 12 Aug 2020 12:14

Tgt Ion: 75 Resp: 9936
 Ion Ratio Lower Upper
 75 100
 110 4.8 15.6 46.7#
 77 0.0 24.1 36.1#



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





#38

Carbon Tetrachloride

Concen: 5.527 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062851.D

Acq: 12 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBL01

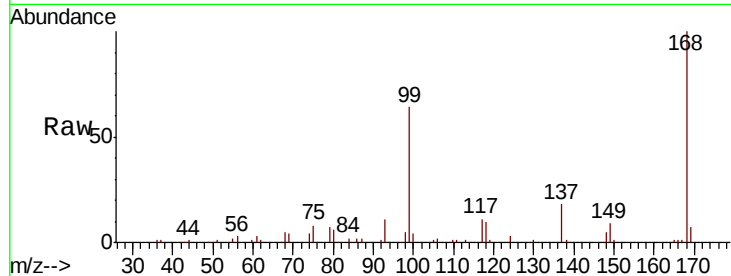
Tot Ion:117 Resp: 13197

Ion Ratio Lower Upper

117 100

119 4.8 79.4 119.2#

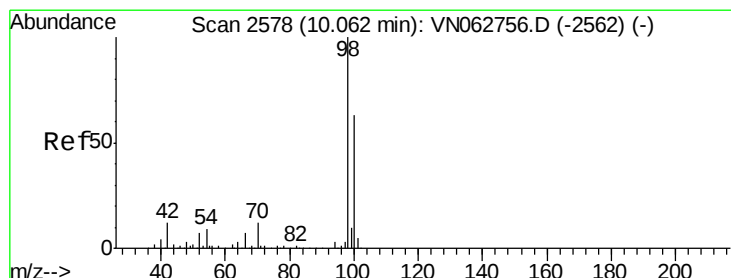
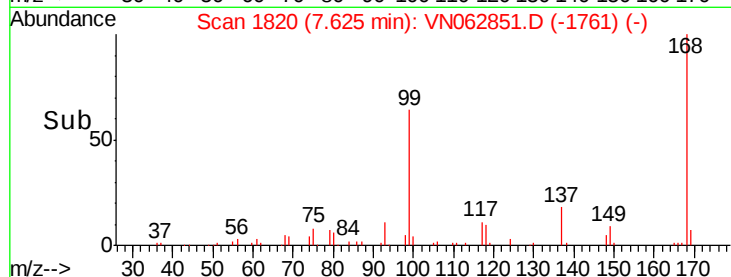
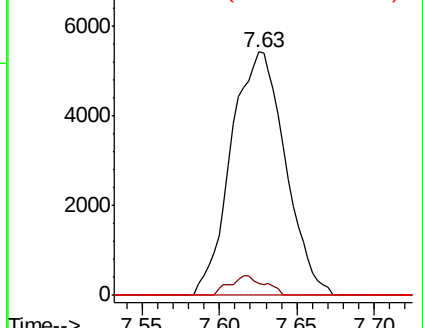
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 48.813 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062851.D

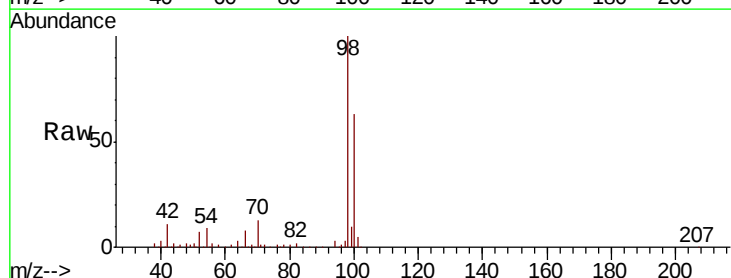
Acq: 12 Aug 2020 12:14

Tgt Ion: 98 Resp: 270296

Ion Ratio Lower Upper

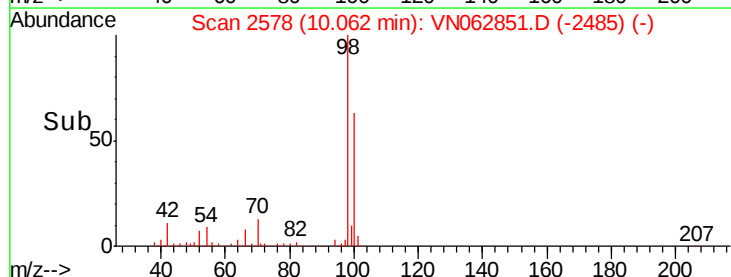
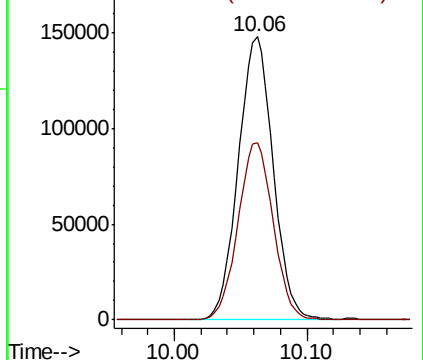
98 100

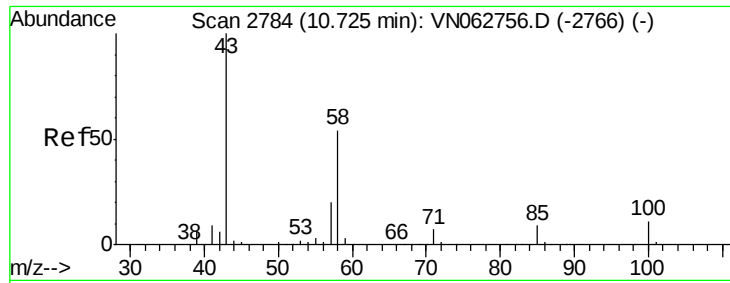
100 63.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

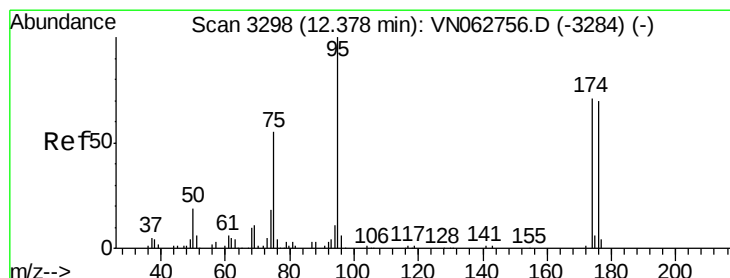
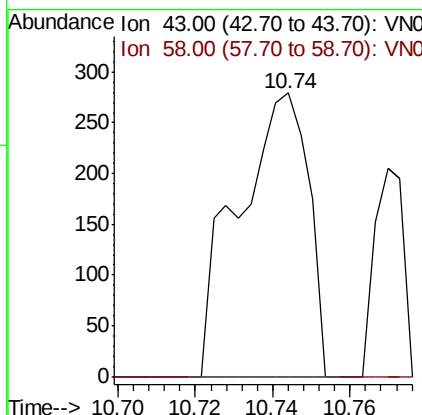
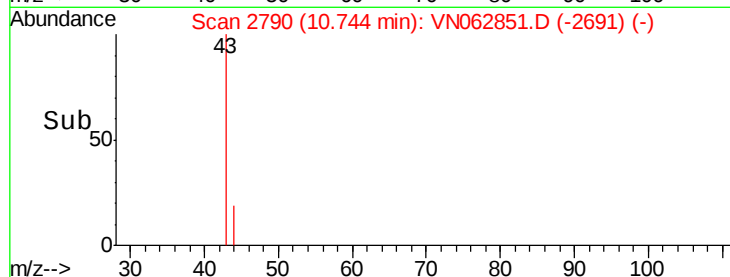
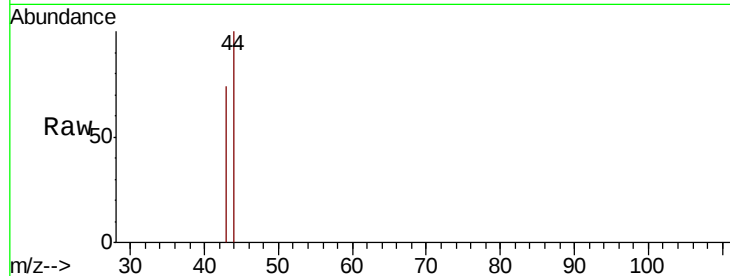




#59
 2-Hexanone
 Concen: 0.209 ug/l
 RT: 10.74 min Scan# 2790
 Delta R.T. 0.02 min
 Lab File: VN062851.D
 Acq: 12 Aug 2020 12:14

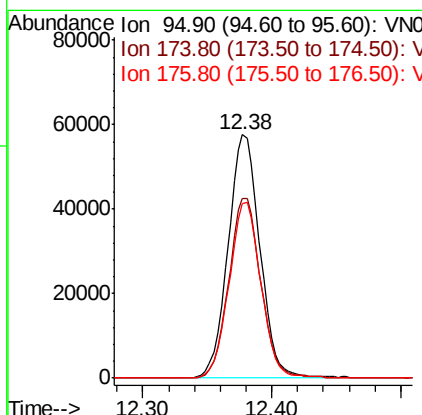
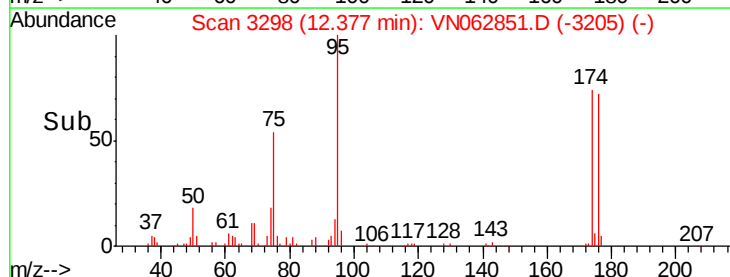
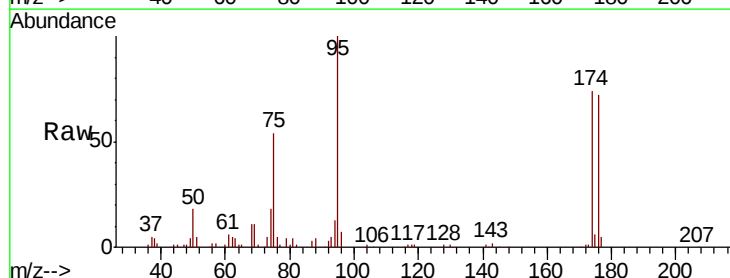
Instrument :
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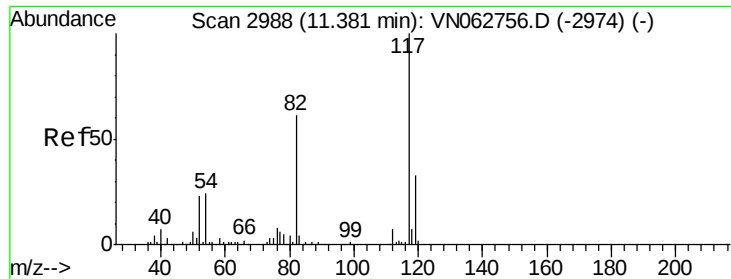
Tot Ion: 43 Resp: 354
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.7 80.1#



#62
 4-Bromofluorobenzene
 Concen: 47.151 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062851.D
 Acq: 12 Aug 2020 12:14

Tgt Ion: 95 Resp: 98666
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 144.8
 176 72.3 0.0 142.2

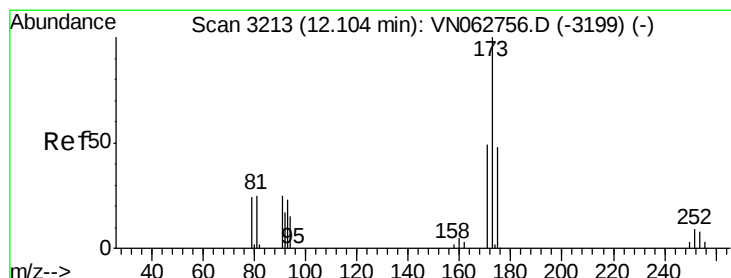
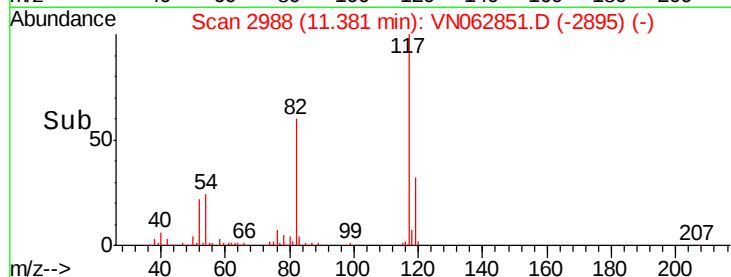
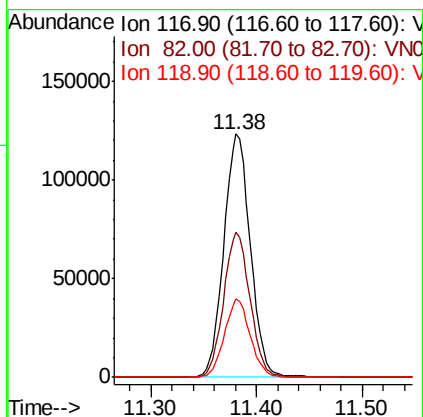
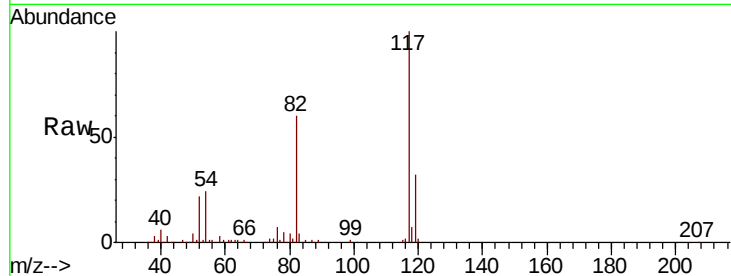




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062851.D
Acq: 12 Aug 2020 12:14

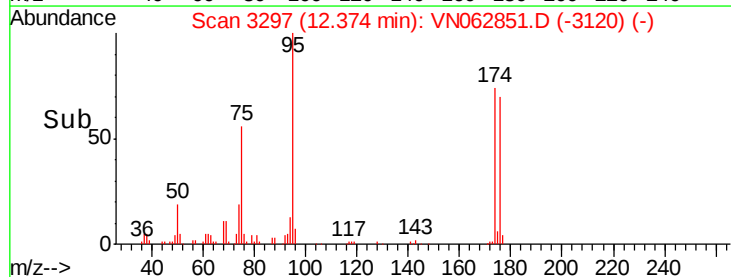
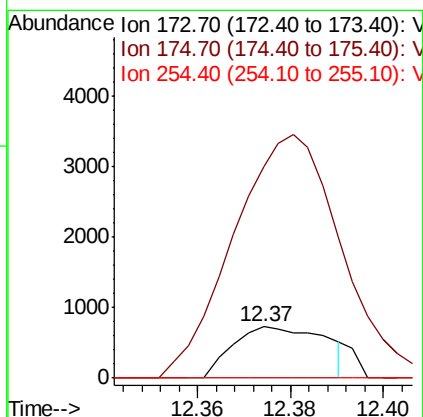
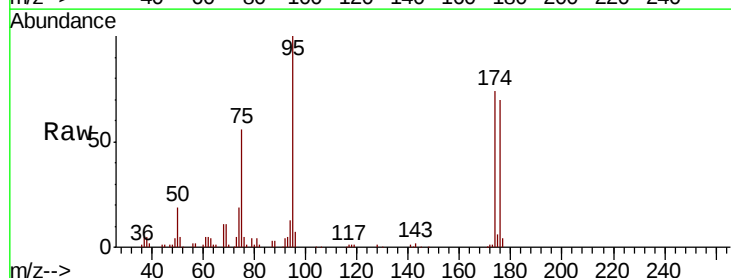
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

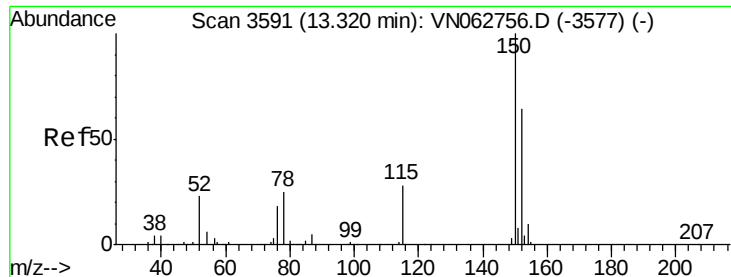
Tot Ion:117 Resp: 214897
Ion Ratio Lower Upper
117 100
82 59.7 49.0 73.4
119 32.0 26.2 39.2



#71
Bromoform
Concen: 0.684 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062851.D
Acq: 12 Aug 2020 12:14

Tgt Ion:173 Resp: 1010
Ion Ratio Lower Upper
173 100
175 484.6 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062851.D

Acq: 12 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBL01

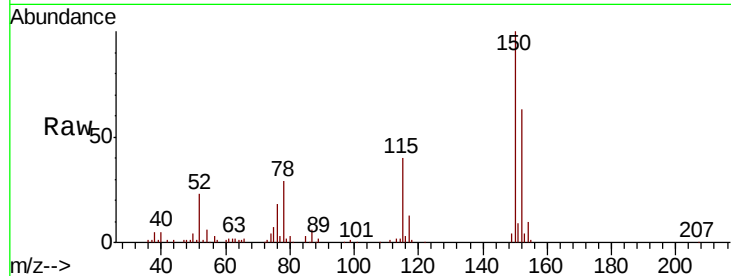
Tot Ion:152 Resp: 79733

Ion Ratio Lower Upper

152 100

115 63.4 31.6 94.8

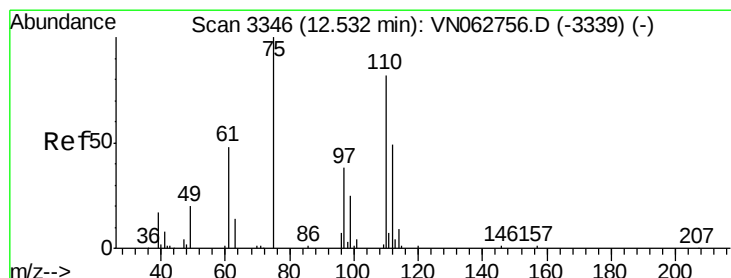
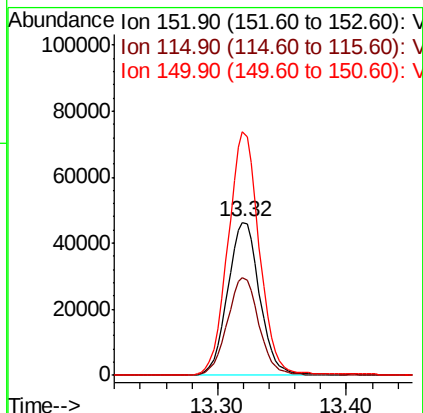
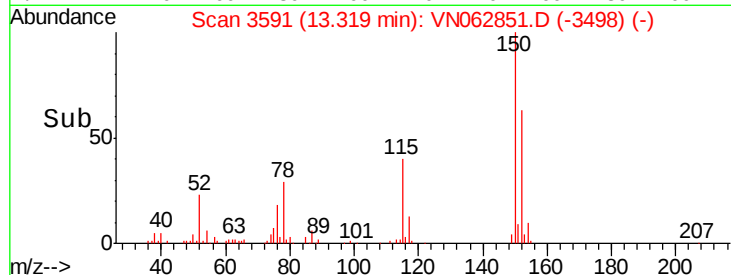
150 155.3 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 24.748 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062851.D

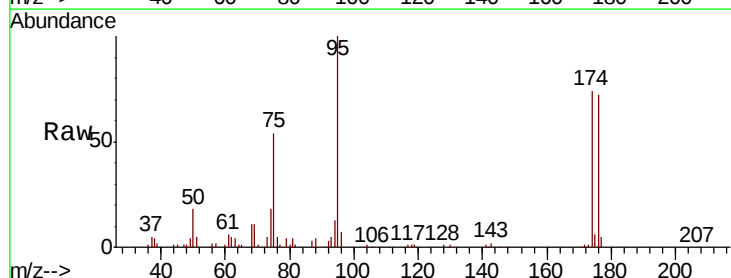
Acq: 12 Aug 2020 12:14

Tgt Ion: 75 Resp: 53216

Ion Ratio Lower Upper

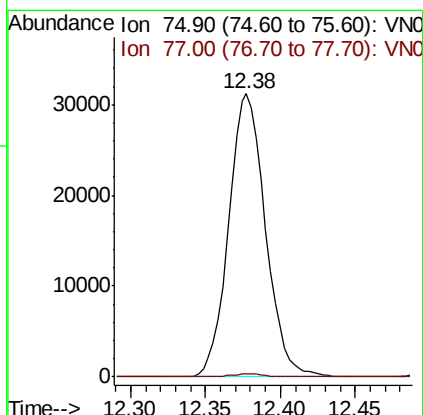
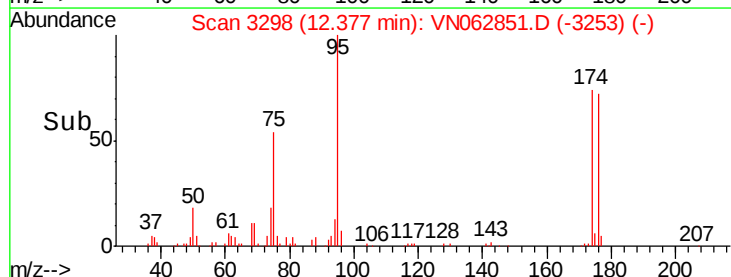
75 100

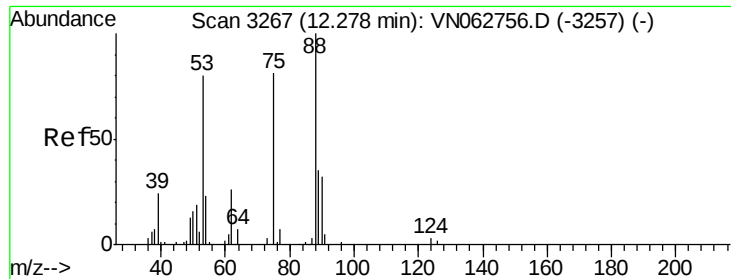
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 75.549 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062851.D

Acq: 12 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBL01

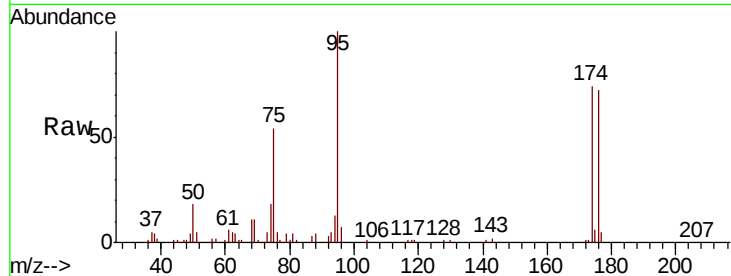
Tot Ion: 75 Resp: 53216

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

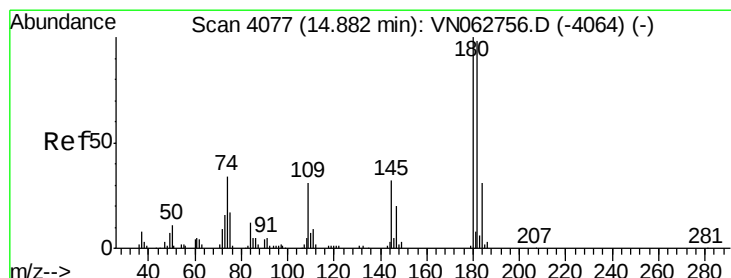
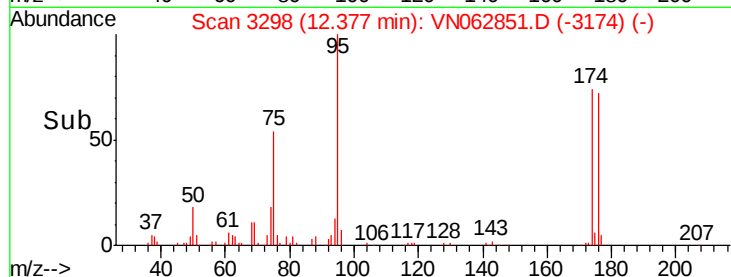
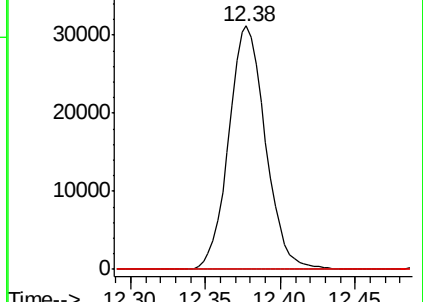
89 0.0 36.2 54.2#



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



#93

1,2,4-Trichlorobenzene

Concen: 3.373 ug/l

RT: 14.89 min Scan# 4079

Delta R.T. 0.01 min

Lab File: VN062851.D

Acq: 12 Aug 2020 12:14

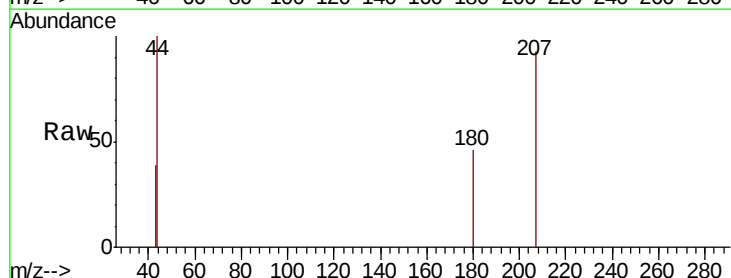
Tgt Ion: 180 Resp: 73

Ion Ratio Lower Upper

180 100

182 0.0 49.1 147.4#

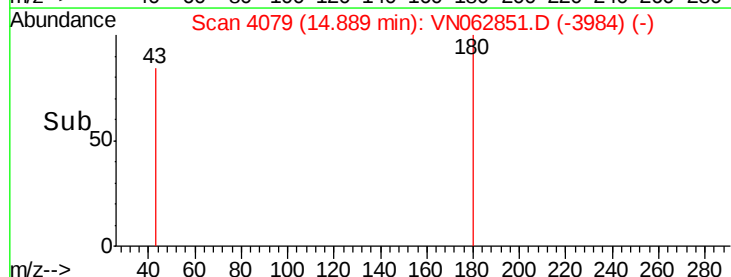
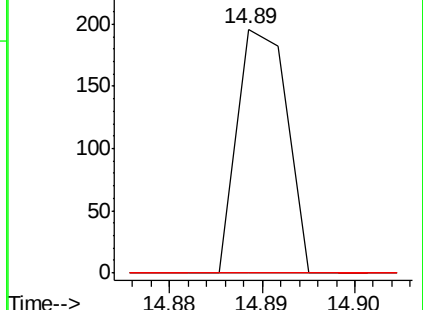
145 0.0 16.3 48.8#

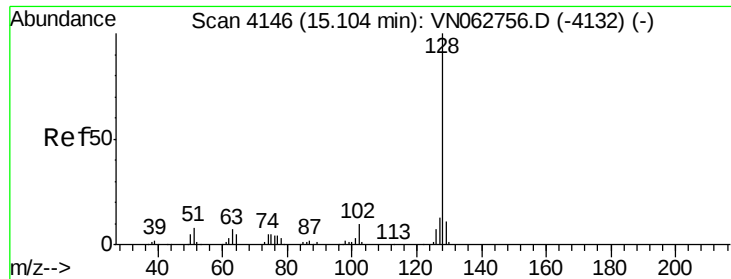


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 3.881 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.02 min

Lab File: VN062851.D

Acq: 12 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBL01

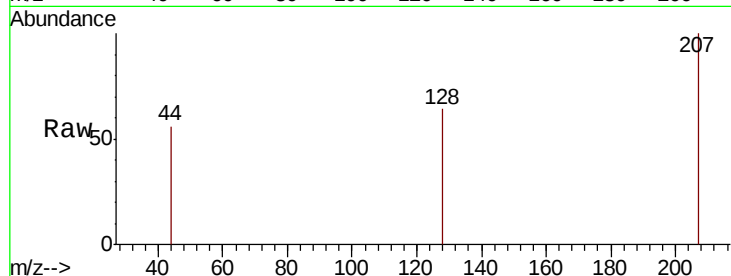
Tot Ion:128 Resp: 684

Ion Ratio Lower Upper

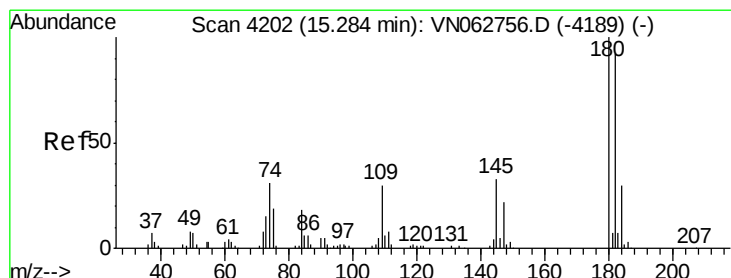
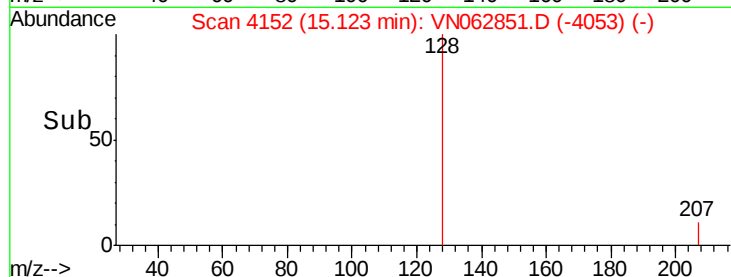
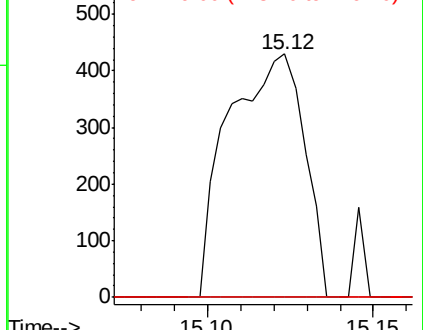
128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



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: 2.871 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.01 min

Lab File: VN062851.D

Acq: 12 Aug 2020 12:14

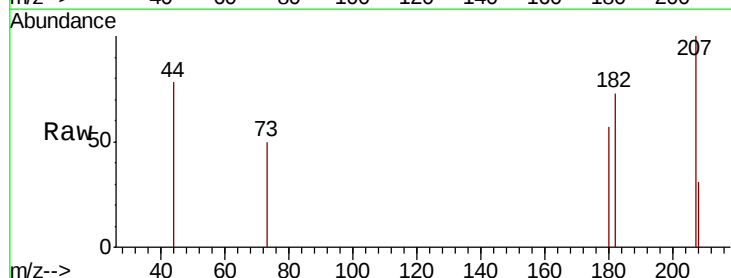
Tgt Ion:180 Resp: 183

Ion Ratio Lower Upper

180 100

182 146.4 47.9 143.6#

145 0.0 17.3 51.7#



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

