

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063813.D
 Acq On : 2 Oct 2020 11:52
 Operator : JC/MD
 Sample : VN1002WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBL01

Quant Time: Oct 05 04:12:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	214870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	386472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	392469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161425	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	188264	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
35) Dibromofluoromethane	7.55	113	132573	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
50) Toluene-d8	10.06	98	495217	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.38	95	192279	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	

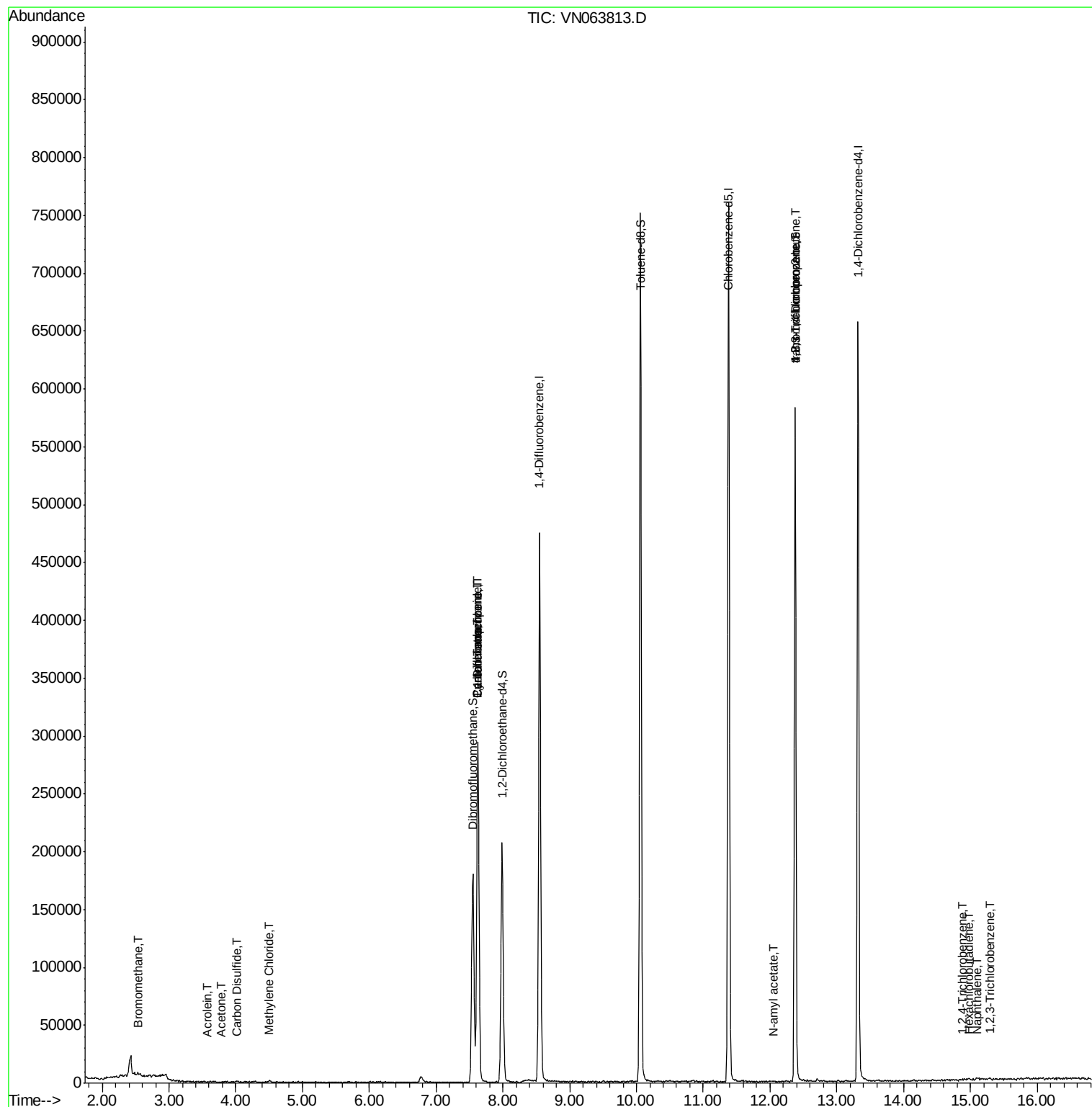
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.53	94	465	0.277	ug/l	96
13) Acrolein	3.57	56	62	0.258	ug/l #	14
16) Acetone	3.78	43	317	0.290	ug/l #	47
17) Carbon Disulfide	4.02	76	1506	0.954	ug/l #	47
20) Methylene Chloride	4.51	84	1002	0.498	ug/l #	60
31) Cyclohexane	7.62	56	5992	1.454	ug/l #	9
36) 1,1-Dichloropropene	7.62	75	19200	4.904	ug/l #	48
38) Carbon Tetrachloride	7.62	117	23776	5.415	ug/l #	14
74) N-amyl acetate	12.05	43	231	2.256	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	107217	30.130	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	107217	86.780	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.89	180	109	1.774	ug/l #	12
94) Hexachlorobutadiene	14.97	225	214	0.219	ug/l #	39
95) Naphthalene	15.11	128	891	2.023	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.30	180	100	1.604	ug/l #	26

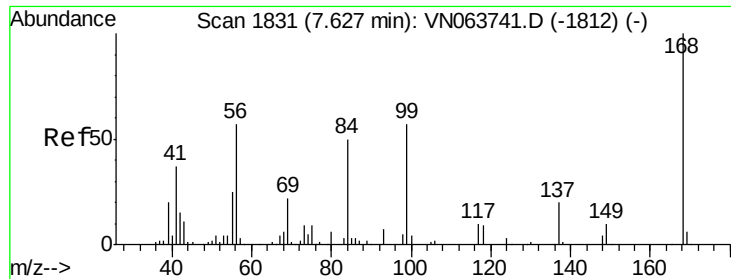
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 01 01:46:38 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: VN063813.D

Acq: 2 Oct 2020 11:52

Instrument :

MSVOA_N

ClientSampleId :

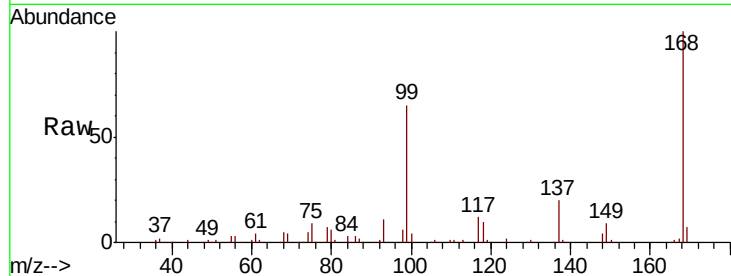
VN1002WBL01

Tot Ion:168 Resp: 214870

Ion Ratio Lower Upper

168 100

99 64.9 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

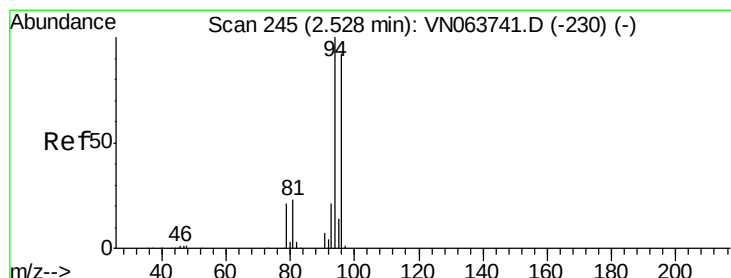
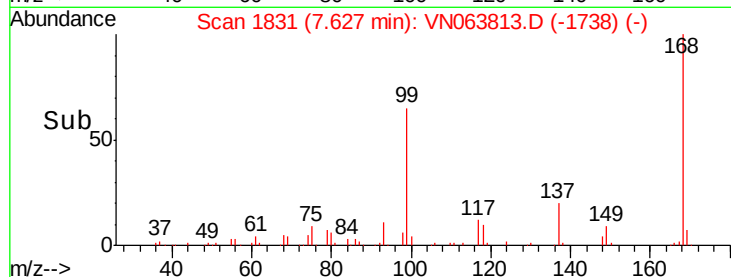
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.277 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN063813.D

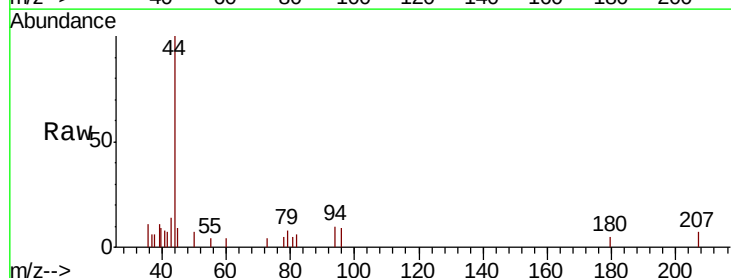
Acq: 2 Oct 2020 11:52

Tgt Ion: 94 Resp: 465

Ion Ratio Lower Upper

94 100

96 87.3 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

400

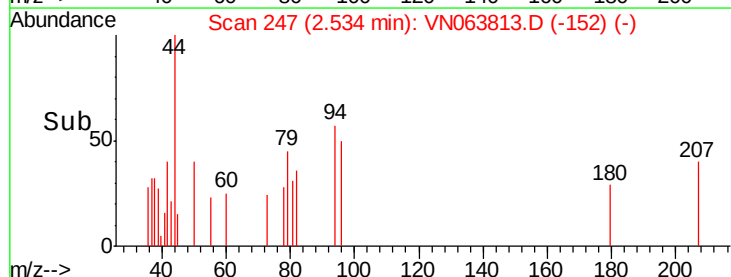
300

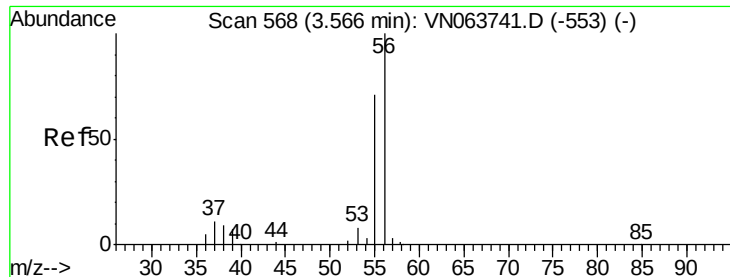
200

100

0

Time--> 2.52 2.54 2.56





#13

Acrolein

Concen: 0.258 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063813.D

Acq: 2 Oct 2020 11:52

Instrument :

MSVOA_N

ClientSampleId :

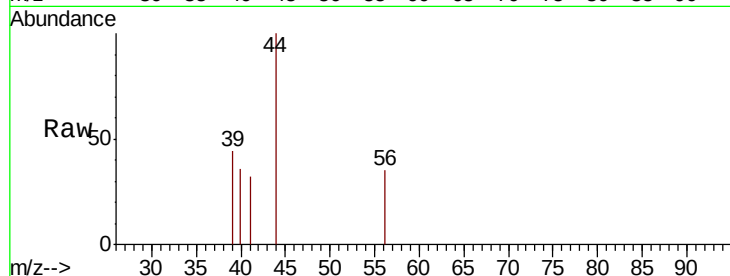
VN1002WBL01

Tot Ion: 56 Resp: 62

Ion Ratio Lower Upper

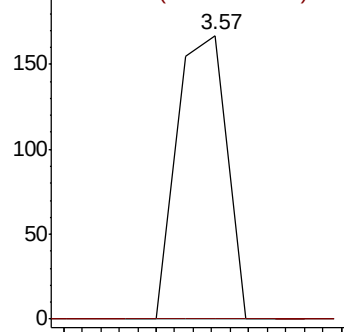
56 100

55 0.0 56.9 85.3#

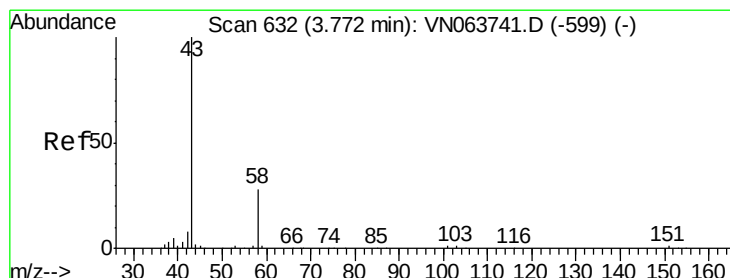
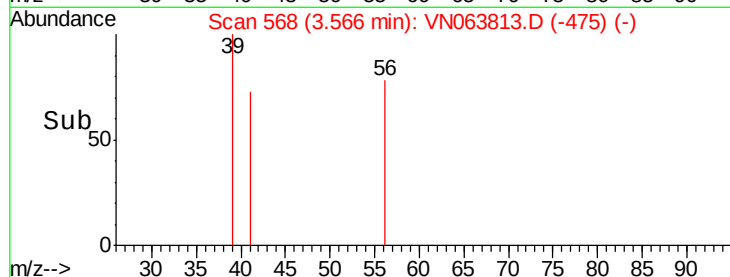


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time--> 3.55 3.56 3.57



#16

Acetone

Concen: 0.290 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063813.D

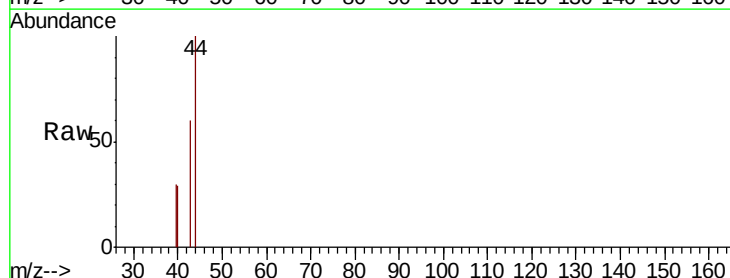
Acq: 2 Oct 2020 11:52

Tgt Ion: 43 Resp: 317

Ion Ratio Lower Upper

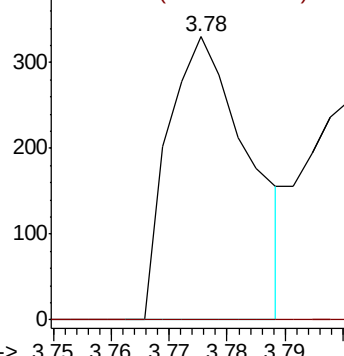
43 100

58 0.0 22.3 33.5#

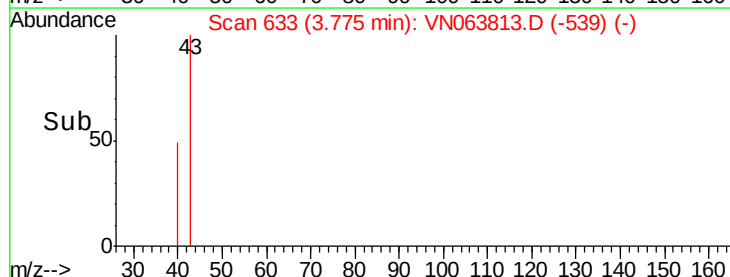


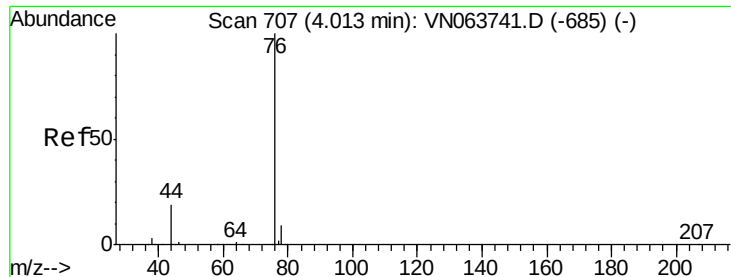
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 3.75 3.76 3.77 3.78 3.79





#17

Carbon Disulfide

Concen: 0.954 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063813.D

Acq: 2 Oct 2020 11:52

Instrument :

MSVOA_N

ClientSampleId :

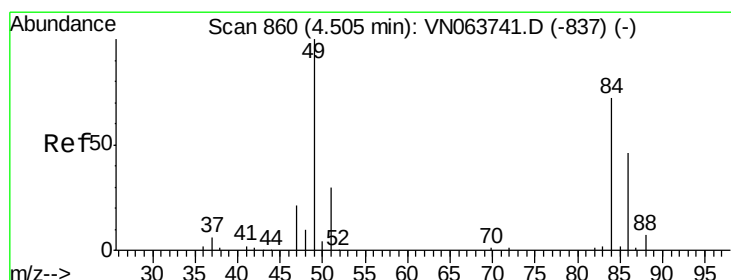
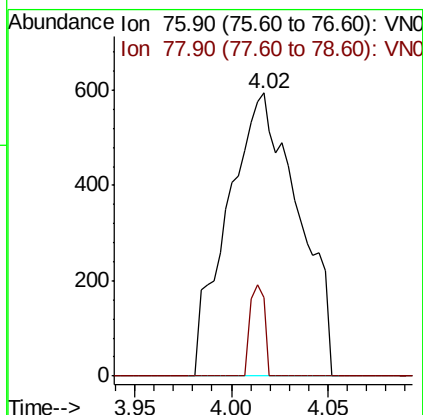
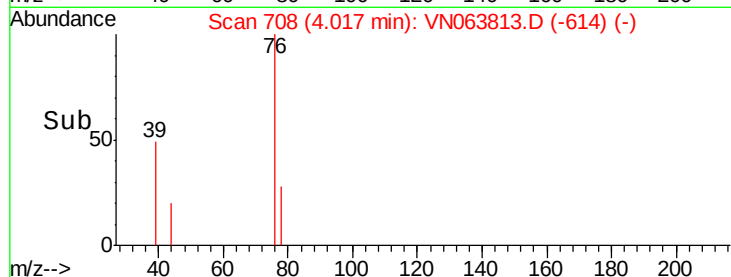
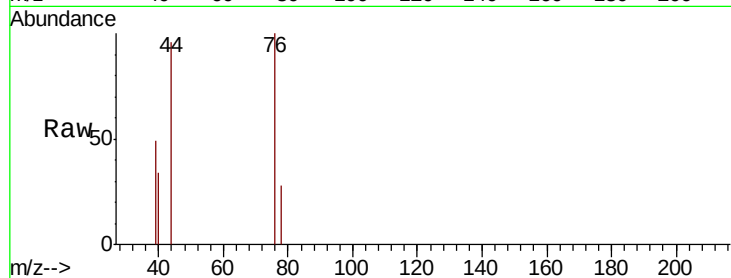
VN1002WBL01

Tot Ion: 76 Resp: 1506

Ion Ratio Lower Upper

76 100

78 27.8 7.0 10.4#



#20

Methylene Chloride

Concen: 0.498 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN063813.D

Acq: 2 Oct 2020 11:52

Tgt Ion: 84 Resp: 1002

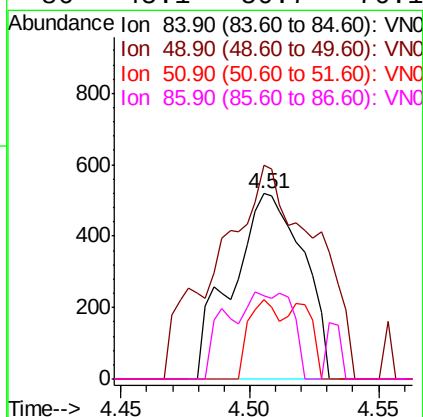
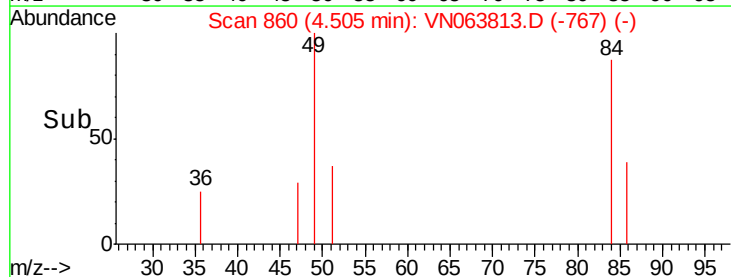
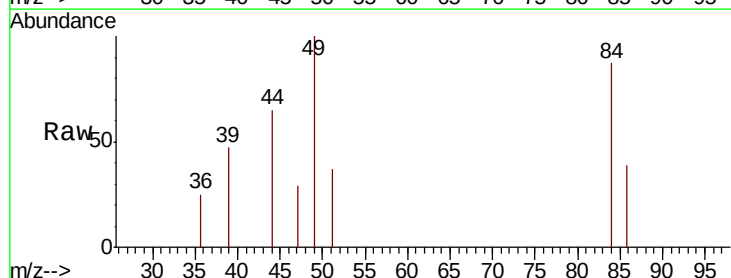
Ion Ratio Lower Upper

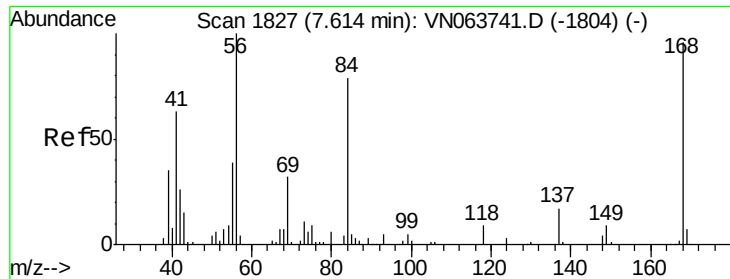
84 100

49 66.5 110.4 165.6#

51 43.0 33.3 49.9

86 45.1 50.7 76.1#

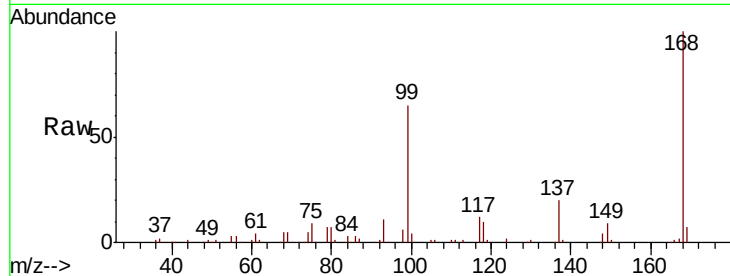




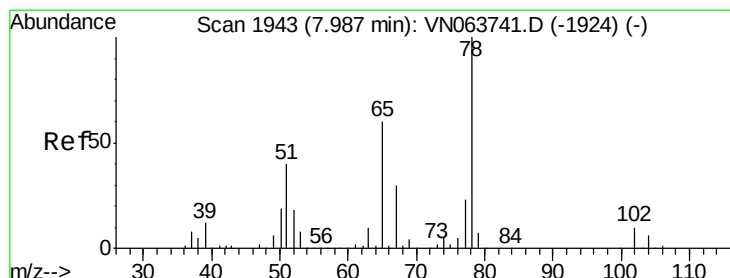
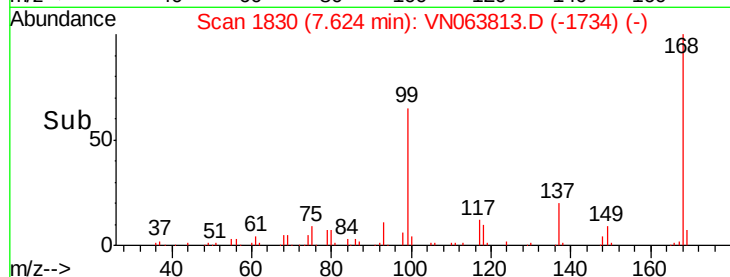
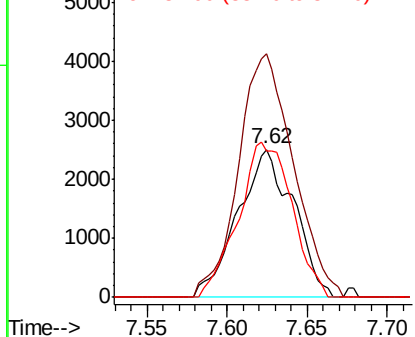
#31
Cyclohexane
Concen: 1.454 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063813.D
Acq: 2 Oct 2020 11:52

Instrument :
MSVOA_N
ClientSampled :
VN1002WBL01

Tot Ion: 56 Resp: 5992
Ion Ratio Lower Upper
56 100
69 164.8 25.4 38.2#
84 106.5 63.3 94.9#

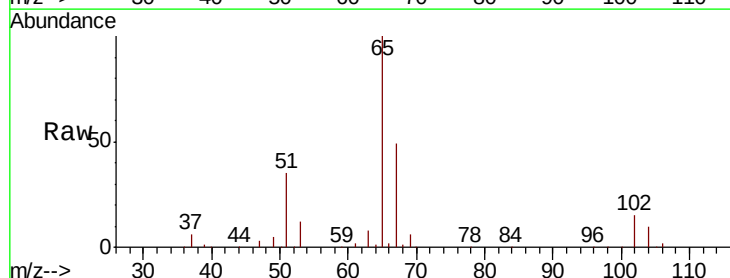


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

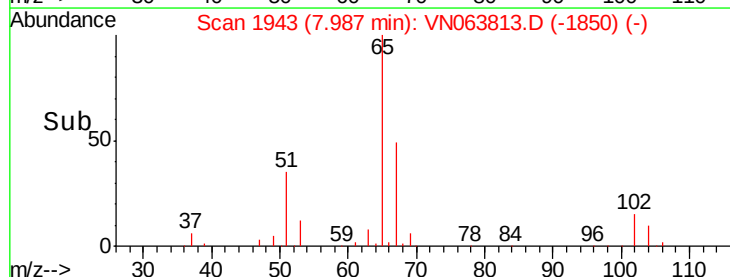
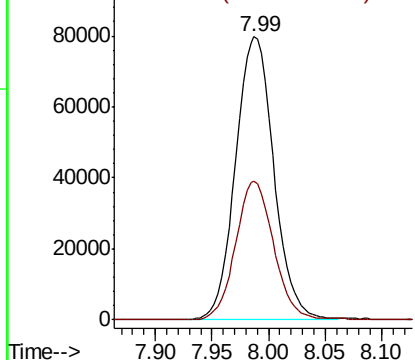


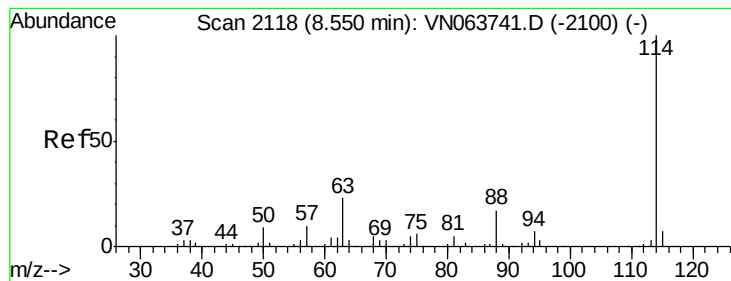
#33
1,2-Dichloroethane-d4
Concen: 53.035 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063813.D
Acq: 2 Oct 2020 11:52

Tgt Ion: 65 Resp: 188264
Ion Ratio Lower Upper
65 100
67 48.5 0.0 99.6



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: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063813.D

Acq: 2 Oct 2020 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBL01

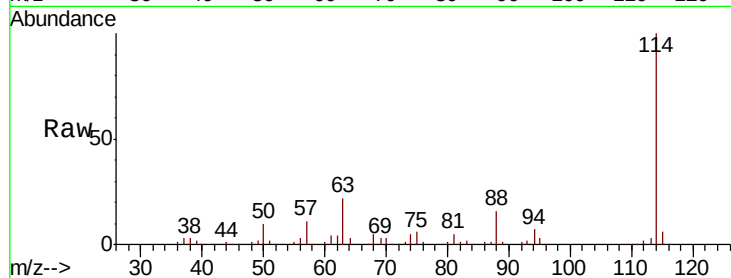
Tot Ion:114 Resp: 386472

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.0

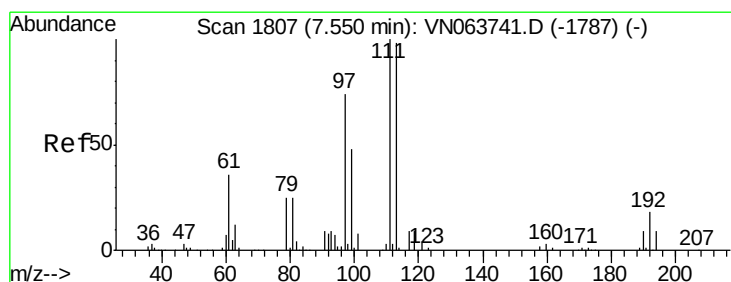
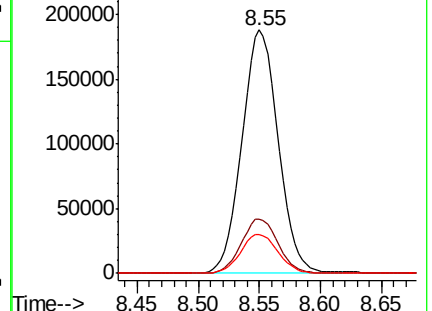
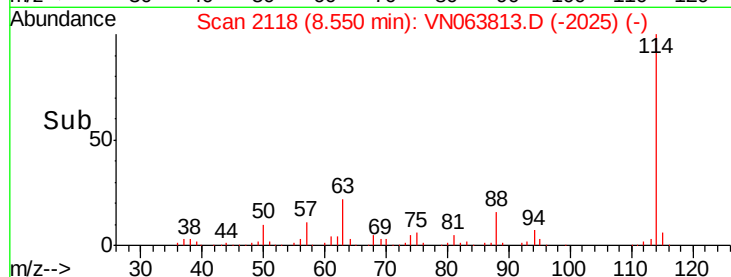
88 16.2 0.0 34.0



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: 49.437 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063813.D

Acq: 2 Oct 2020 11:52

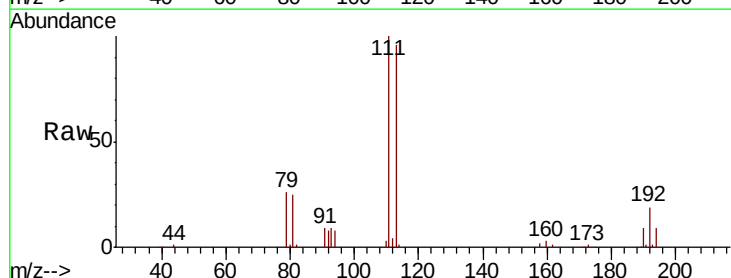
Tgt Ion:113 Resp: 132573

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

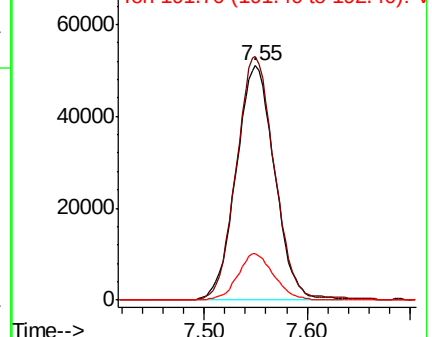
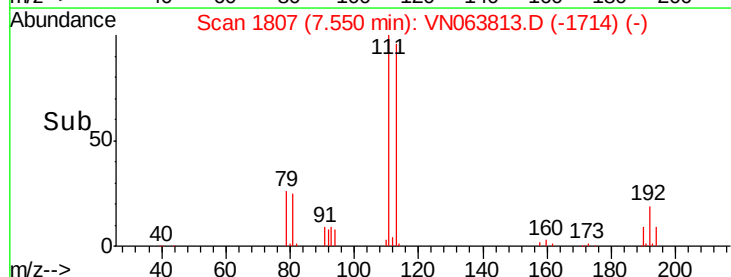
192 18.5 14.2 21.2

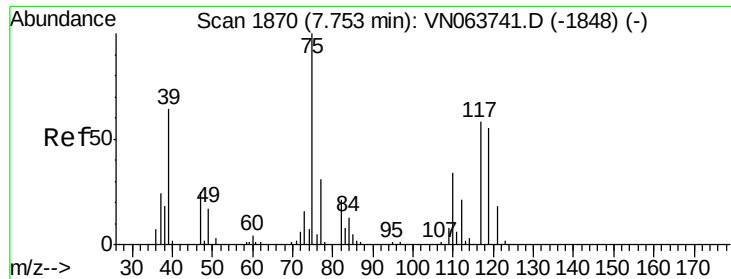


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

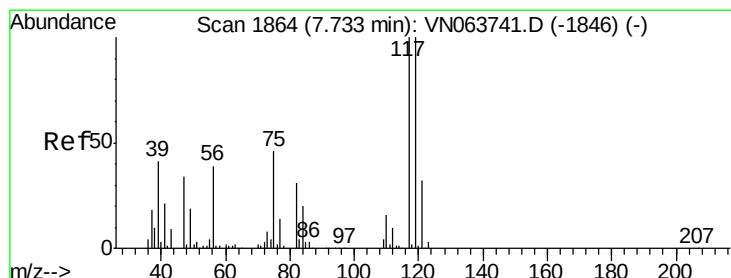
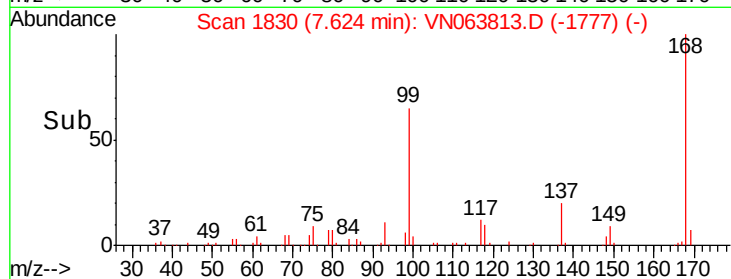
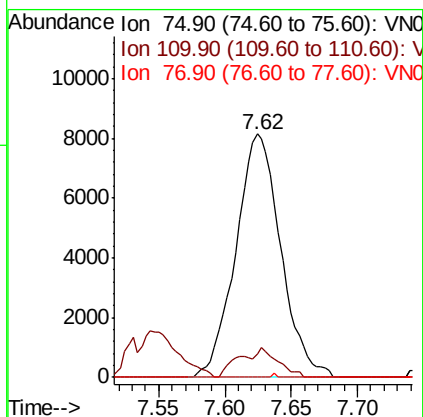
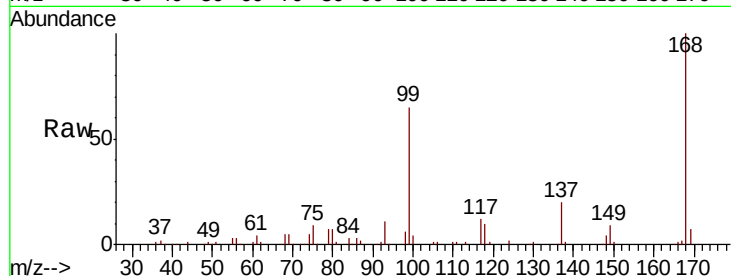




#36
 1,1-Dichloropropene
 Concen: 4.904 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063813.D
 Acq: 2 Oct 2020 11:52

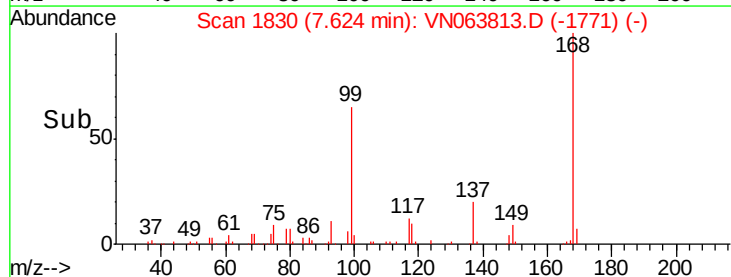
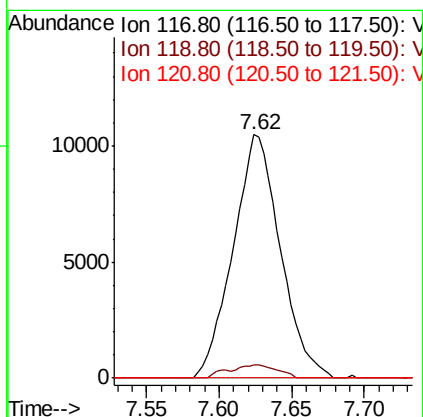
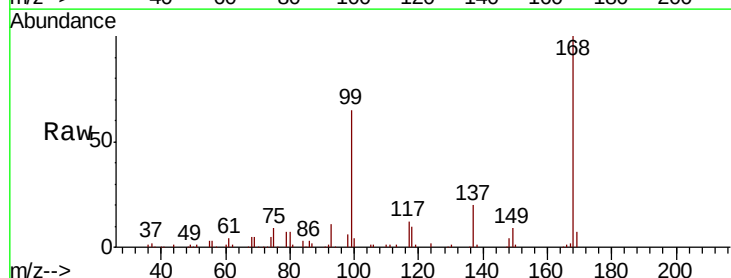
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 VN1002WBL01

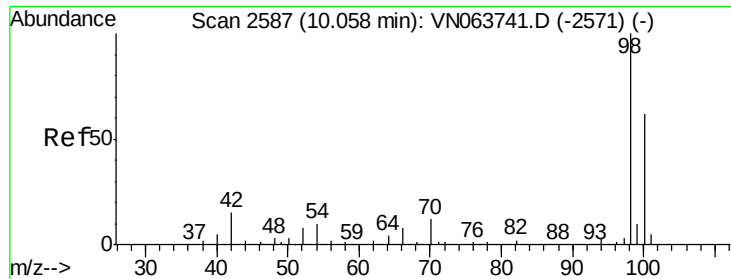
Tot Ion: 75 Resp: 19200
 Ion Ratio Lower Upper
 75 100
 110 5.8 16.9 50.6#
 77 0.2 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.415 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN063813.D
 Acq: 2 Oct 2020 11:52

Tgt Ion: 117 Resp: 23776
 Ion Ratio Lower Upper
 117 100
 119 5.3 80.1 120.1#
 121 0.0 25.7 38.5#

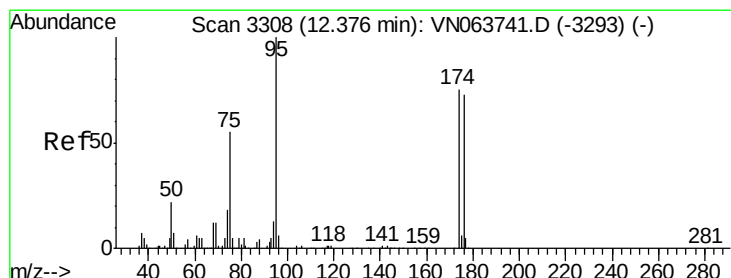
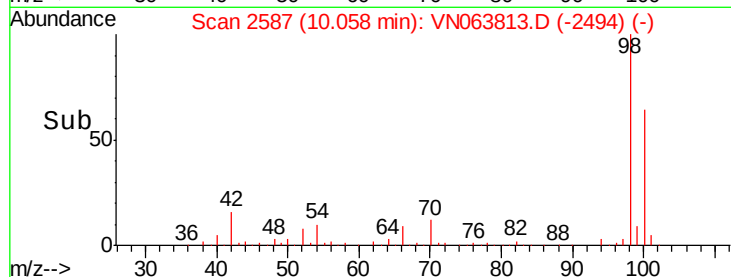
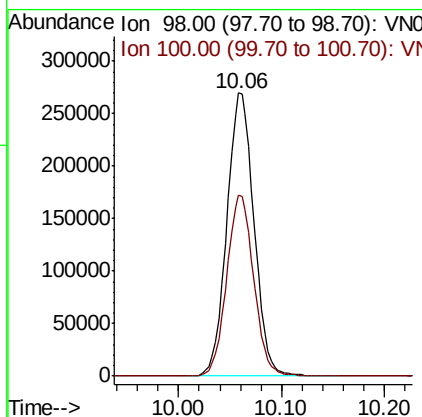
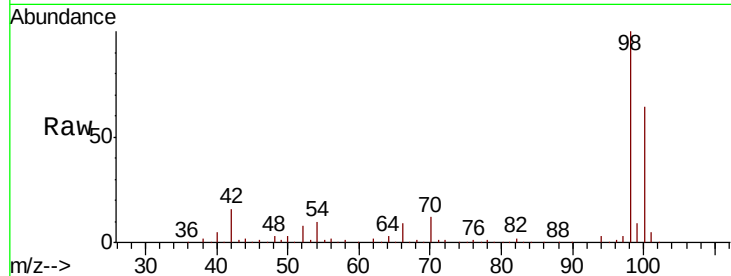




#50
Toluene-d8
Concen: 48.714 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063813.D
Acq: 2 Oct 2020 11:52

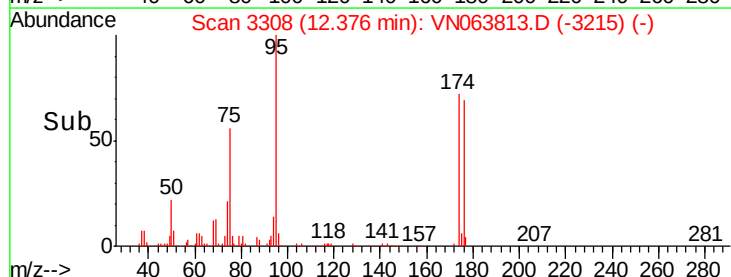
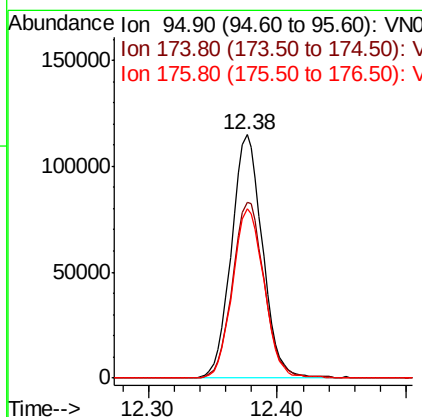
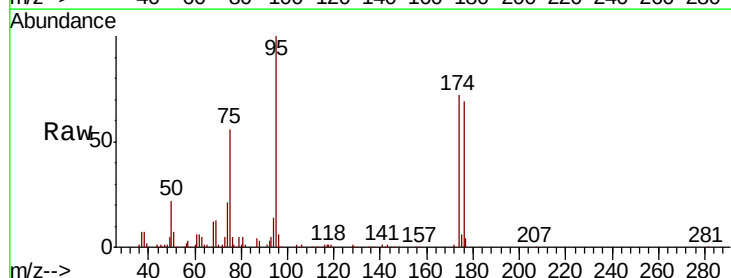
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBL01

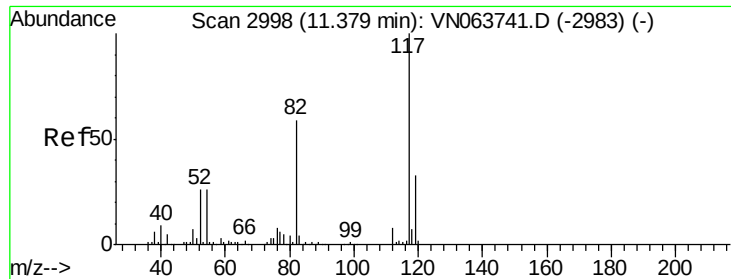
Tot Ion: 98 Resp: 495217
Ion Ratio Lower Upper
98 100
100 63.5 49.8 74.6



#62
4-Bromofluorobenzene
Concen: 50.316 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063813.D
Acq: 2 Oct 2020 11:52

Tgt Ion: 95 Resp: 192279
Ion Ratio Lower Upper
95 100
174 74.2 0.0 150.6
176 71.1 0.0 145.4

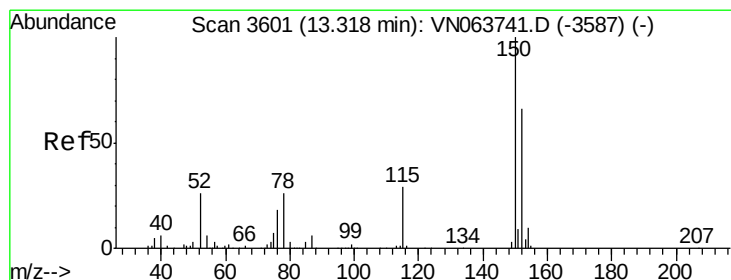
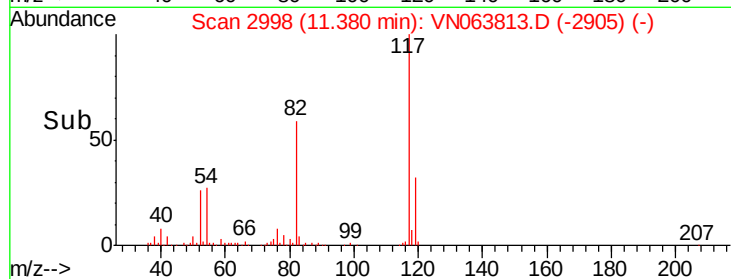
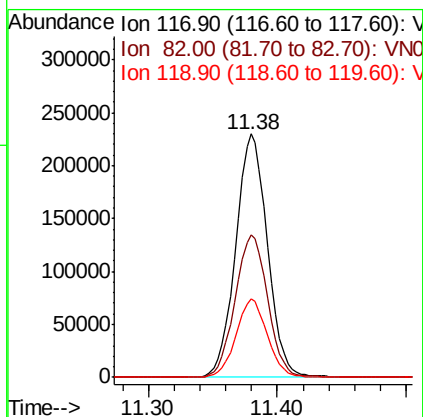
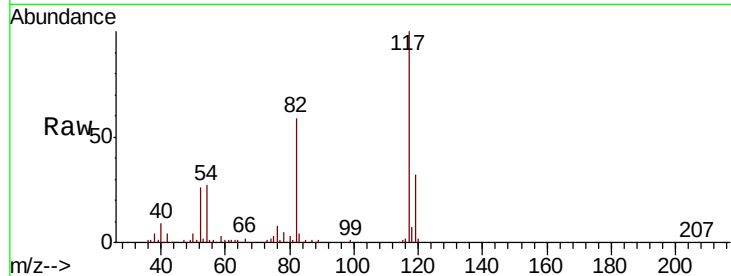




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063813.D
Acq: 2 Oct 2020 11:52

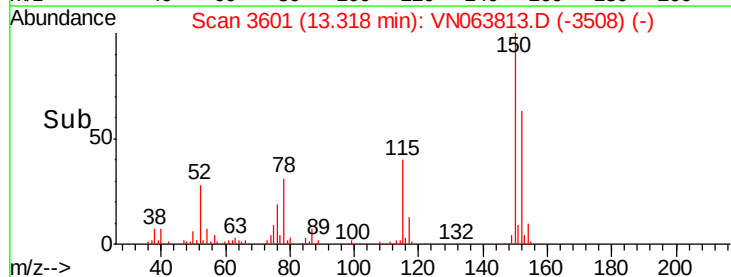
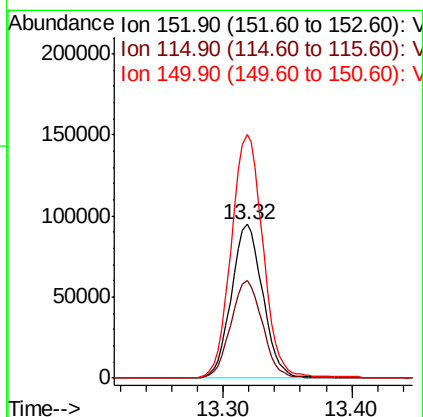
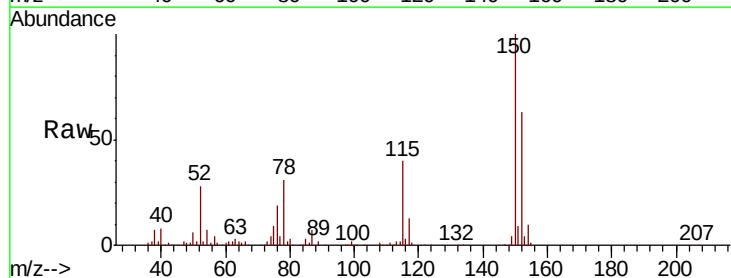
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBL01

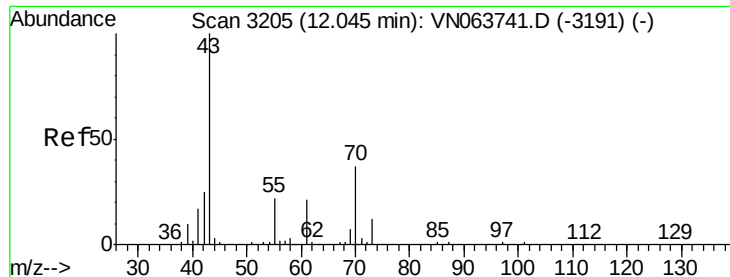
Tot Ion:117 Resp: 392469
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 32.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063813.D
Acq: 2 Oct 2020 11:52

Tgt Ion:152 Resp: 161425
Ion Ratio Lower Upper
152 100
115 64.0 31.3 93.8
150 158.5 0.0 341.8





#74

N-amvl acetate

Concen: 2.256 ug/l

RT: 12.05 min Scan# 3207

Delta R.T. 0.01 min

Lab File: VN063813.D

Acq: 2 Oct 2020 11:52

Instrument :

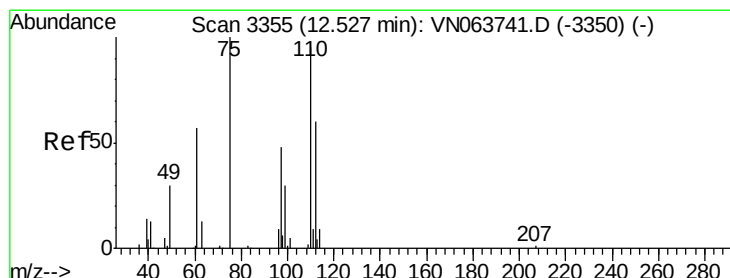
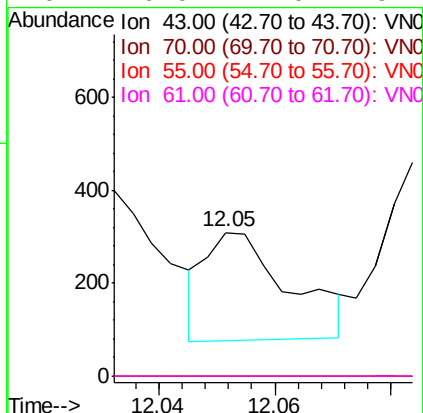
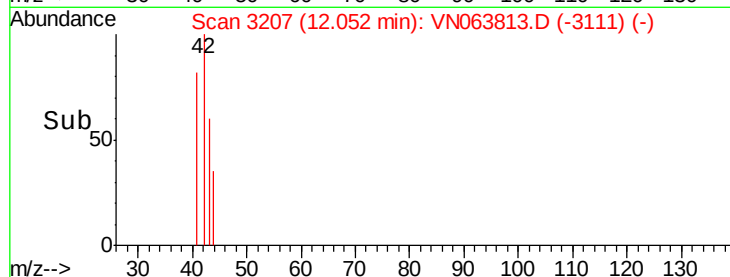
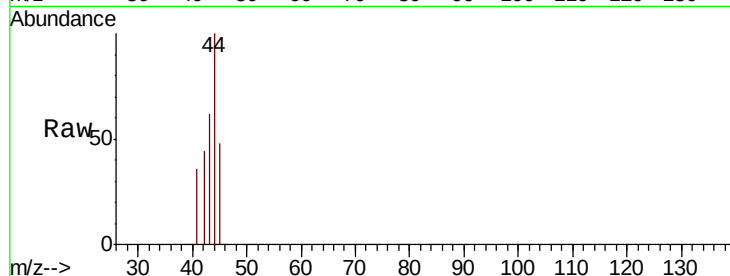
MSVOA_N

ClientSampleId :

VN1002WBL01

Tot Ion: 43 Resp: 231

Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.8	44.8#
55	0.0	17.9	26.9#
61	0.0	17.0	25.4#



#76

1,2,3-Trichloropropane

Concen: 30.130 ug/l

RT: 12.38 min Scan# 3308

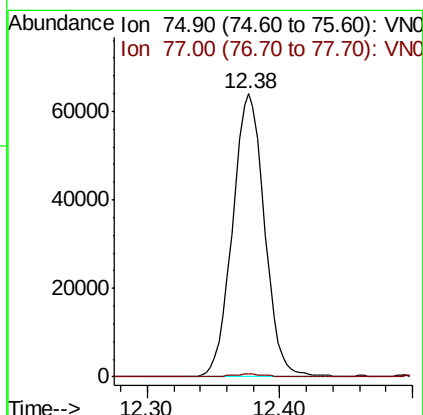
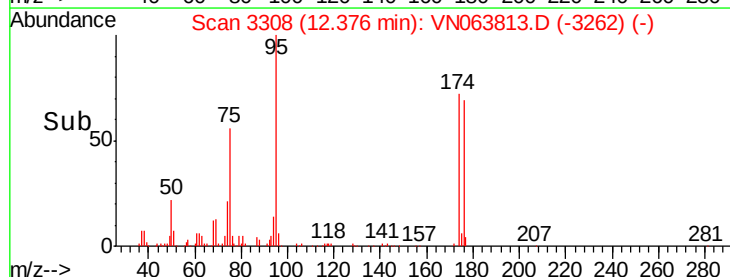
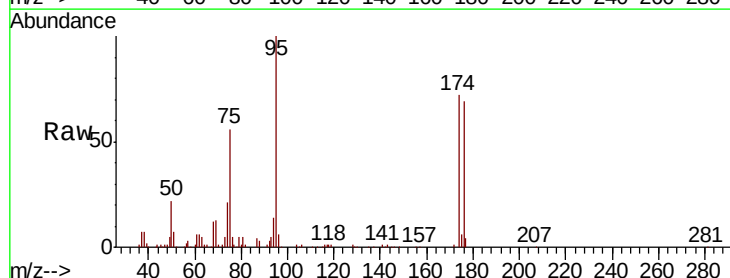
Delta R.T. -0.15 min

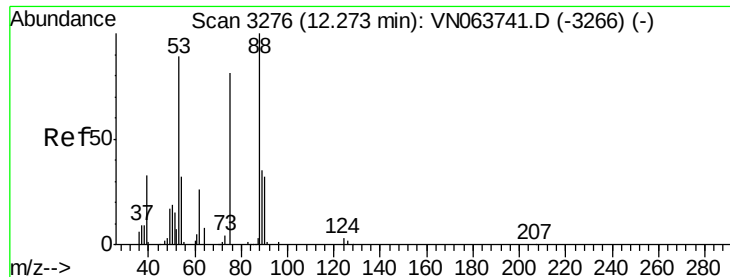
Lab File: VN063813.D

Acq: 2 Oct 2020 11:52

Tgt Ion: 75 Resp: 107217

Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0#

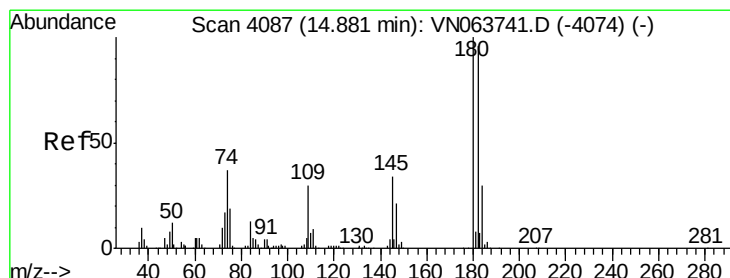
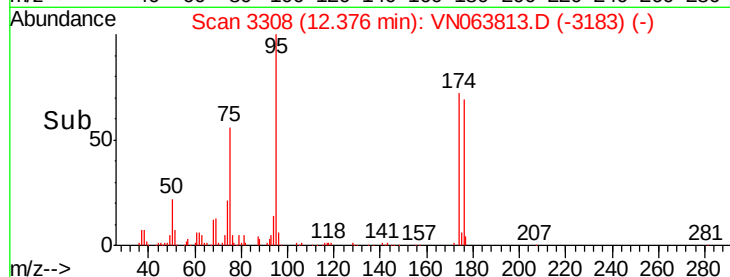
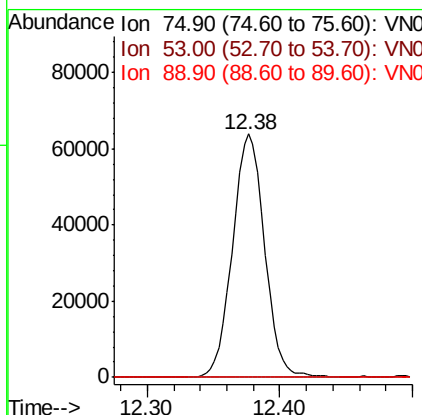
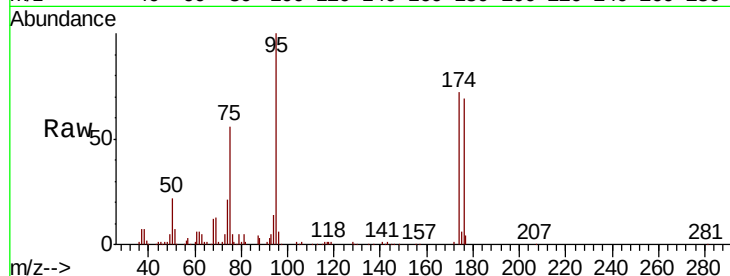




#81
trans-1,4-Dichloro-2-butene
Concen: 86.780 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063813.D
Acq: 2 Oct 2020 11:52

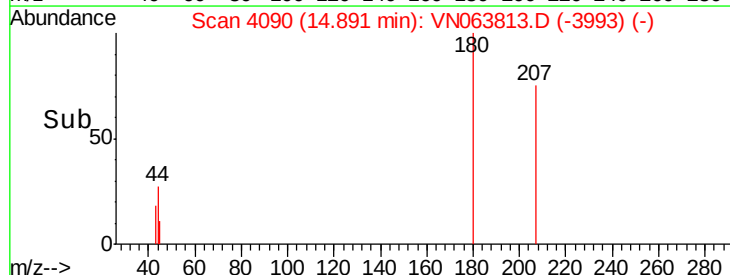
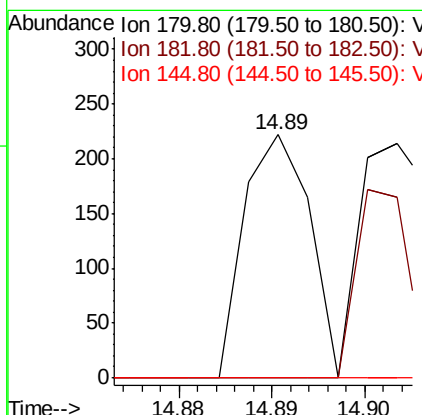
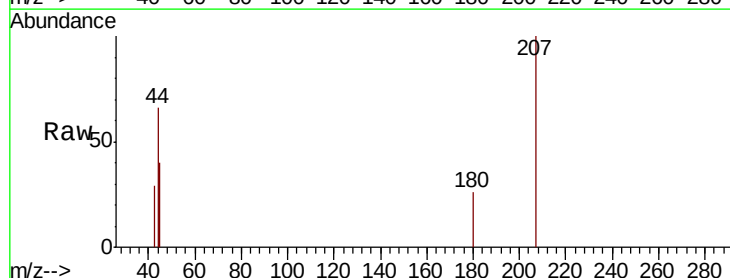
Instrument :
MSVOA_N
ClientSampleId :
VN1002WBL01

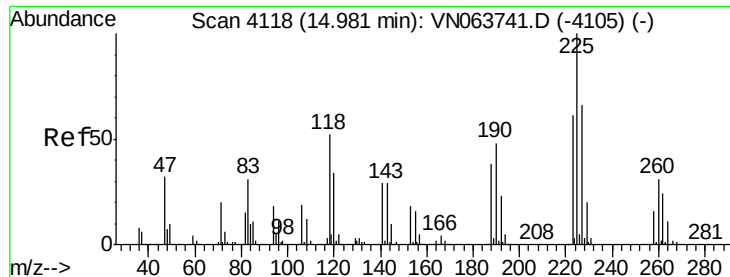
Tot Ion: 75 Resp: 107217
Ion Ratio Lower Upper
75 100
53 0.1 88.2 132.2#
89 0.0 36.0 54.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.774 ug/l
RT: 14.89 min Scan# 4090
Delta R.T. 0.01 min
Lab File: VN063813.D
Acq: 2 Oct 2020 11:52

Tgt Ion: 180 Resp: 109
Ion Ratio Lower Upper
180 100
182 0.0 48.2 144.6#
145 0.0 17.1 51.2#





#94

Hexachlorobutadiene

Concen: 0.219 ug/l

RT: 14.97 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VN063813.D

Acq: 2 Oct 2020 11:52

Instrument :

MSVOA_N

ClientSampled :

VN1002WBL01

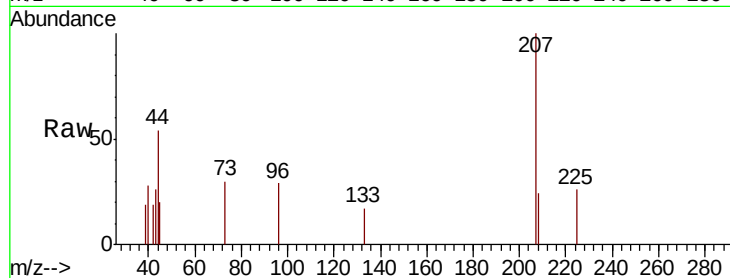
Tot Ion:225 Resp: 214

Ion Ratio Lower Upper

225 100

223 0.0 30.3 91.0#

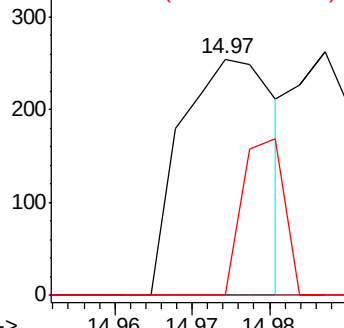
227 29.4 31.9 95.5#



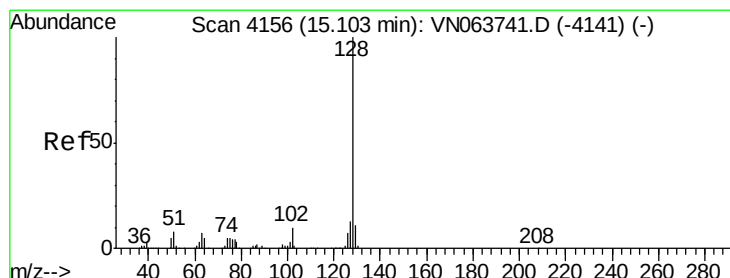
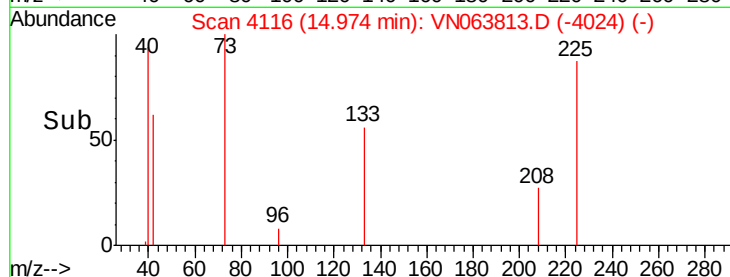
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 2.023 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN063813.D

Acq: 2 Oct 2020 11:52

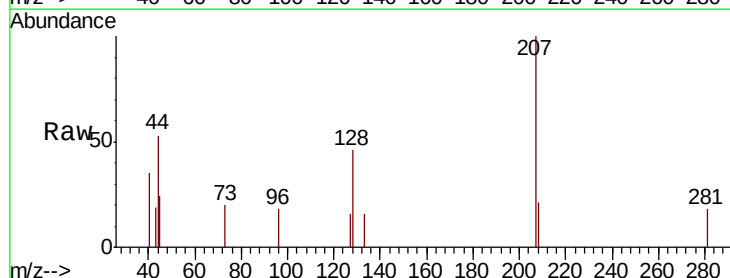
Tgt Ion:128 Resp: 891

Ion Ratio Lower Upper

128 100

127 3.5 10.5 15.7#

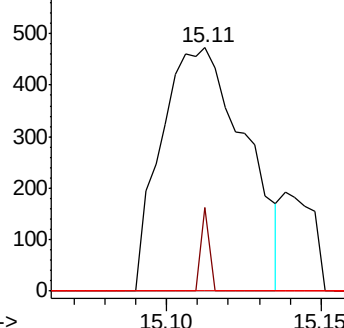
129 0.0 8.7 13.1#



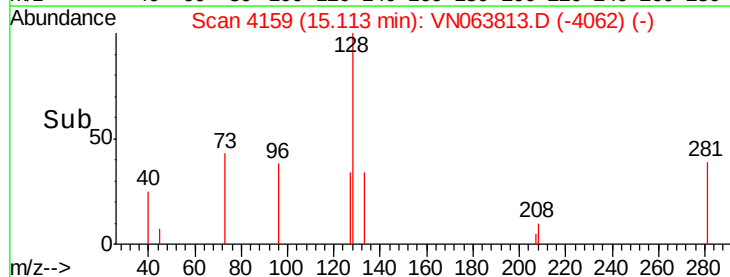
Abundance Ion 128.00 (127.70 to 128.70): V

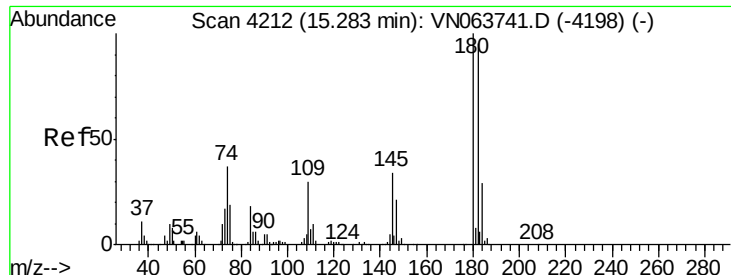
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->





#96

1,2,3-Trichlorobenzene

Concen: 1.604 ug/l

RT: 15.30 min Scan# 4217

Delta R.T. 0.02 min

Lab File: VN063813.D

Acq: 2 Oct 2020 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBL01

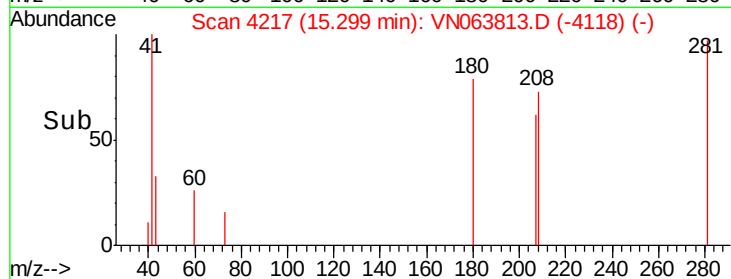
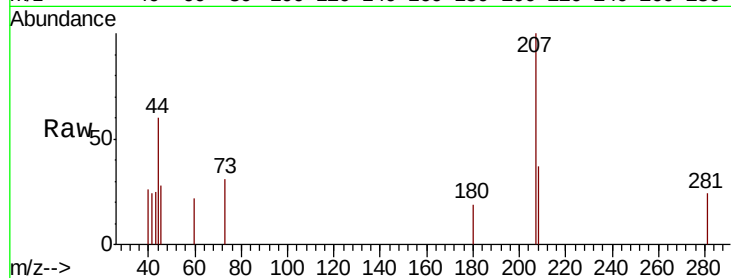
Tot Ion:180 Resp: 100

Ion Ratio Lower Upper

180 100

182 173.0 47.9 143.6#

145 0.0 17.2 51.5#



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

