

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063413.D
 Acq On : 17 Sep 2020 12:50
 Operator : JC/MD
 Sample : L4050-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 200916001-02-TRIP-BLANK

Quant Time: Sep 18 02:49:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	222613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	414365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	401508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178685	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	182293	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
35) Dibromofluoromethane	7.55	113	132674	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
50) Toluene-d8	10.06	98	528706	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	12.38	95	209421	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	

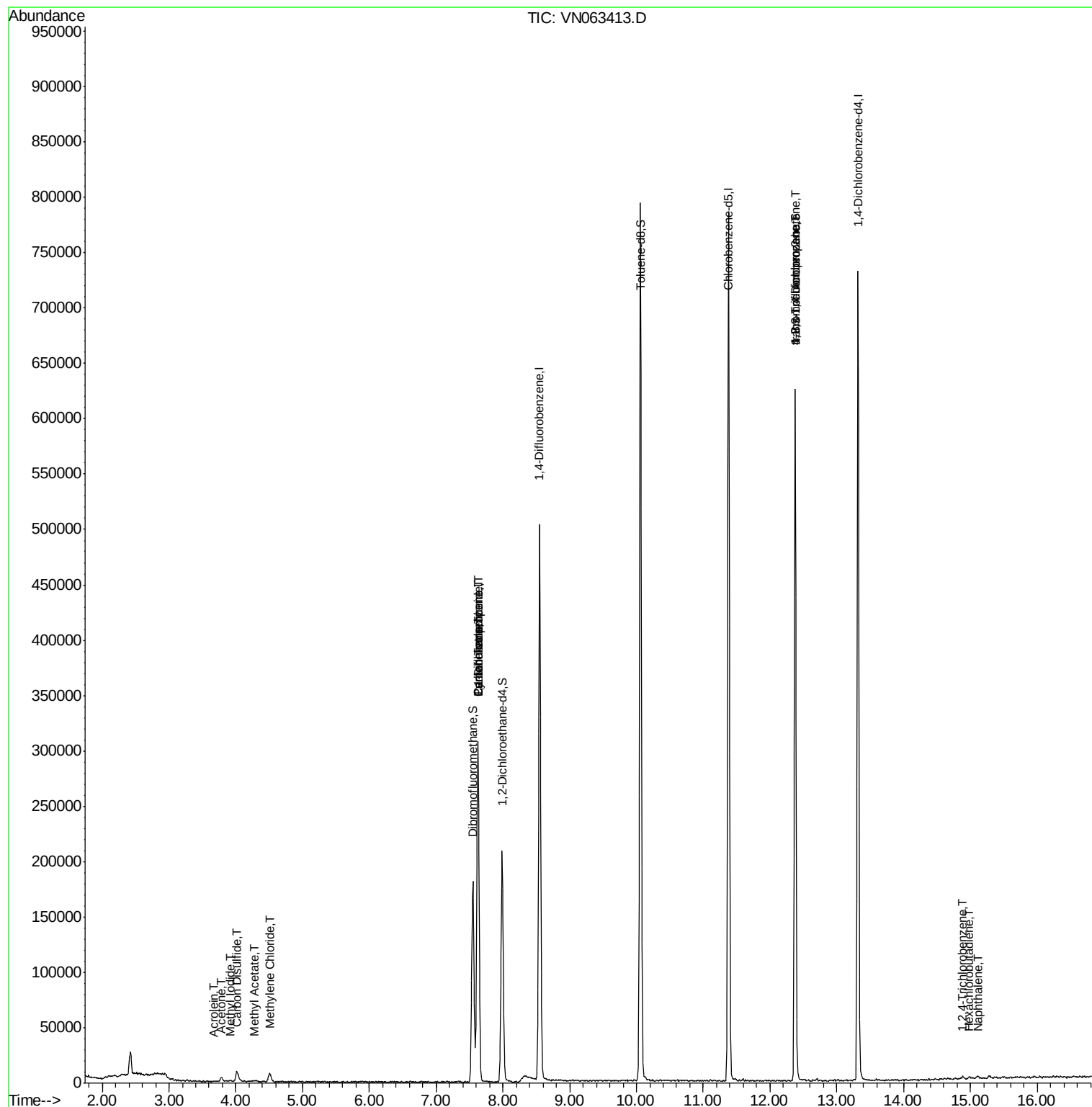
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.92	142	1491	0.462	ug/l #	84
13) Acrolein	3.67	56	67	0.344	ug/l #	65
16) Acetone	3.78	43	6276	5.153	ug/l #	83
17) Carbon Disulfide	4.01	76	1987	0.272	ug/l #	67
18) Methyl Acetate	4.29	43	792	0.256	ug/l #	54
20) Methylene Chloride	4.51	84	4848	1.571	ug/l #	89
31) Cyclohexane	7.62	56	6445	1.231	ug/l #	31
36) 1,1-Dichloropropene	7.63	75	21284	4.821	ug/l #	51
38) Carbon Tetrachloride	7.63	117	24722	5.486	ug/l #	18
76) 1,2,3-Trichloropropane	12.38	75	118291	26.746	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	118291	73.328	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.89	180	824	0.238	ug/l #	66
94) Hexachlorobutadiene	14.98	225	421	0.294	ug/l	79
95) Naphthalene	15.11	128	2872	0.252	ug/l #	75

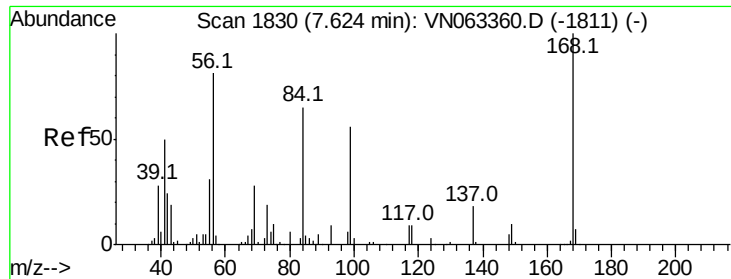
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091720\
Data File : VN063413.D
Acq On : 17 Sep 2020 12:50
Operator : JC/MD
Sample : L4050-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
200916001-02-TRIP-BLANK

Quant Time: Sep 18 02:49:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 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: VN063413.D

Acq: 17 Sep 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

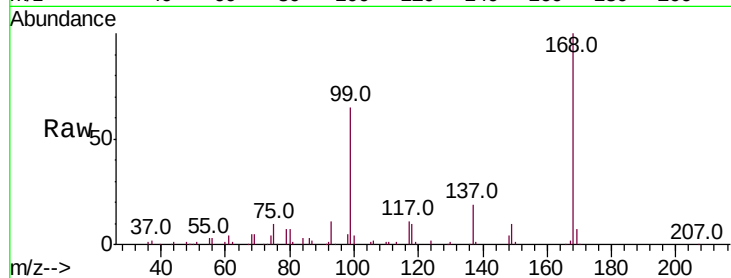
200916001-02-TRIP-BLANK

Tot Ion:168 Resp: 222613

Ion Ratio Lower Upper

168 100

99 64.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

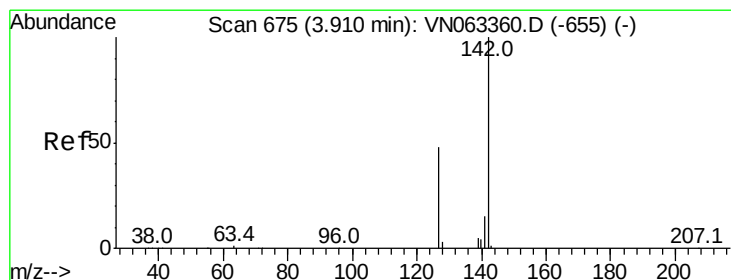
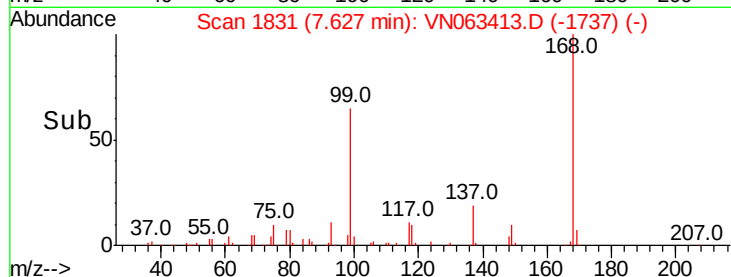
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#10

Methyl Iodide

Concen: 0.462 ug/l

RT: 3.92 min Scan# 678

Delta R.T. 0.01 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

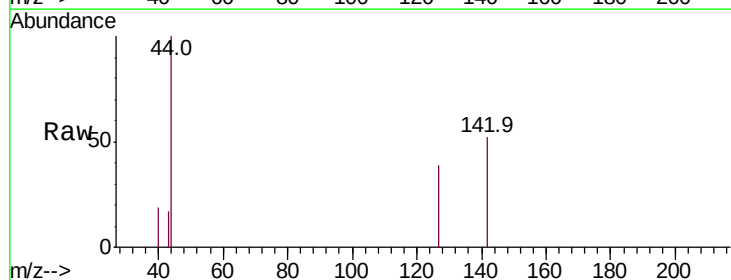
Tgt Ion:142 Resp: 1491

Ion Ratio Lower Upper

142 100

127 41.5 39.0 58.6

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.92

800

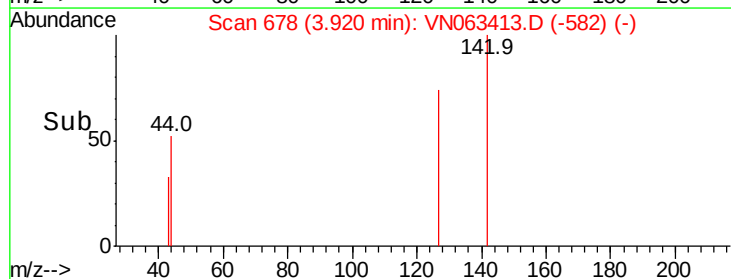
600

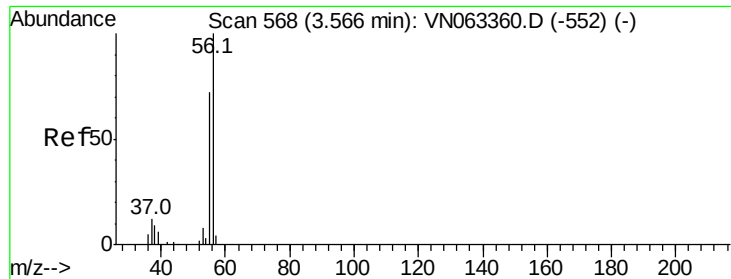
400

200

0

Time--> 3.85 3.90 3.95





#13

Acrolein

Concen: 0.344 ug/l

RT: 3.67 min Scan# 599

Delta R.T. 0.10 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

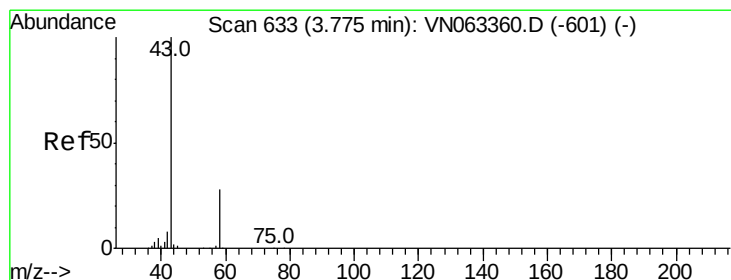
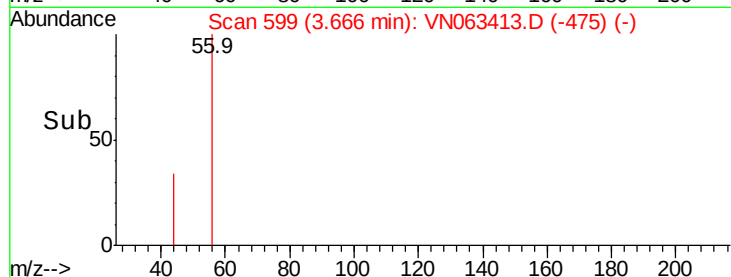
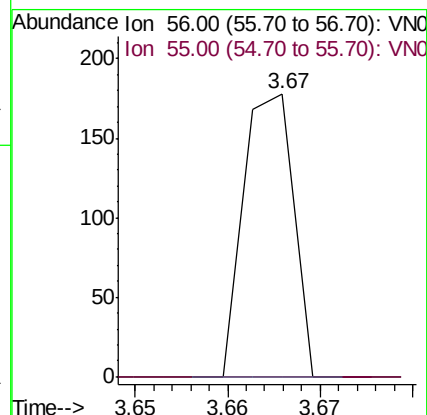
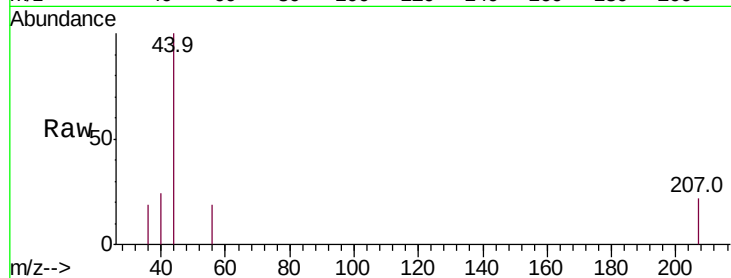
200916001-02-TRIP-BLANK

Tot Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 43.3 58.2 87.2#



#16

Acetone

Concen: 5.153 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063413.D

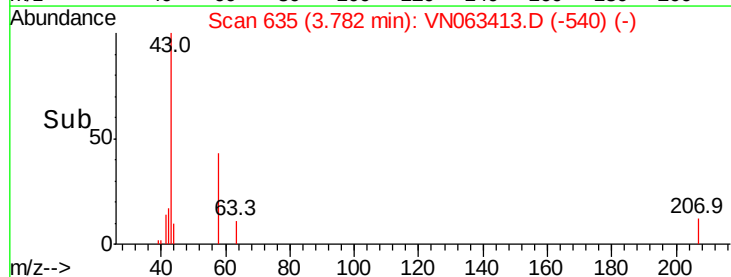
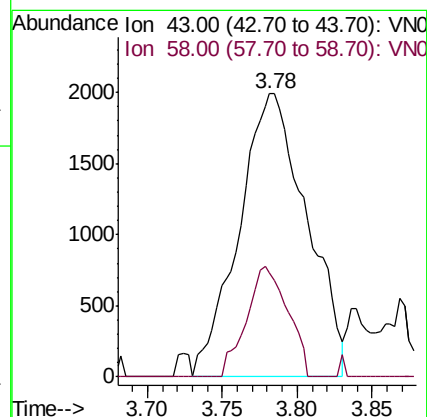
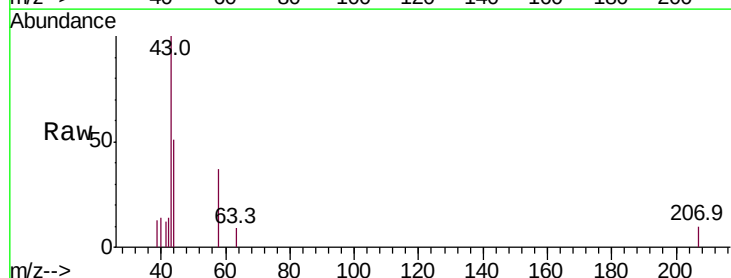
Acq: 17 Sep 2020 12:50

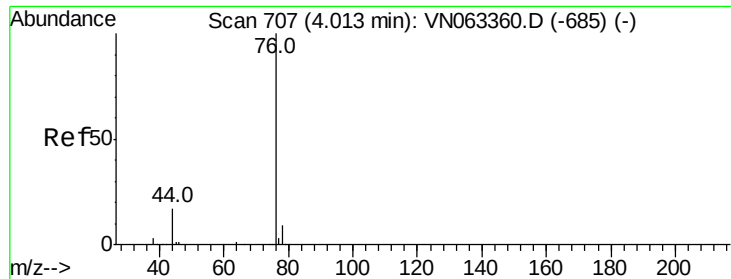
Tgt Ion: 43 Resp: 6276

Ion Ratio Lower Upper

43 100

58 36.9 22.3 33.5#

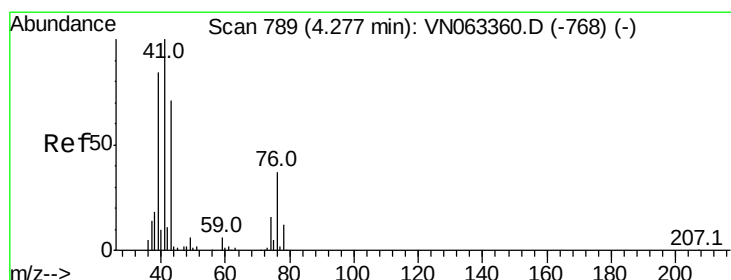
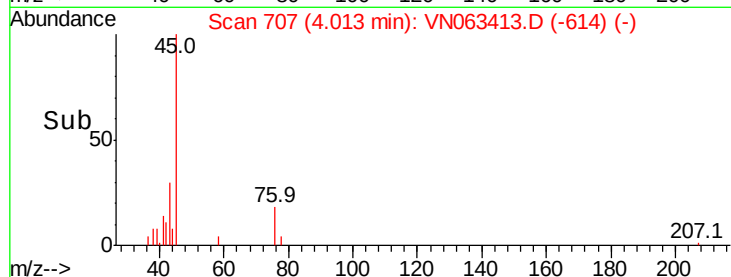
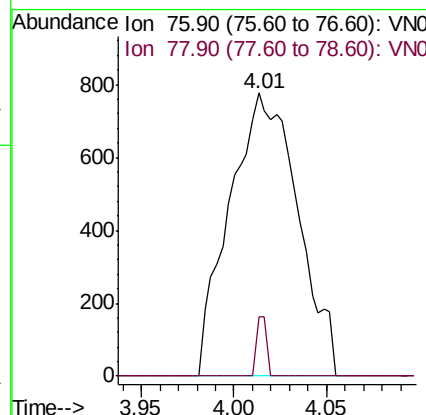
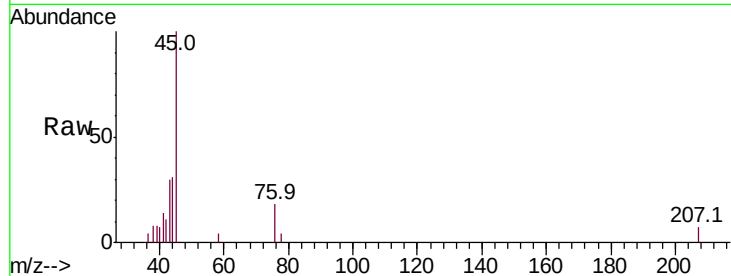




#17
Carbon Disulfide
Concen: 0.272 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063413.D
Acq: 17 Sep 2020 12:50

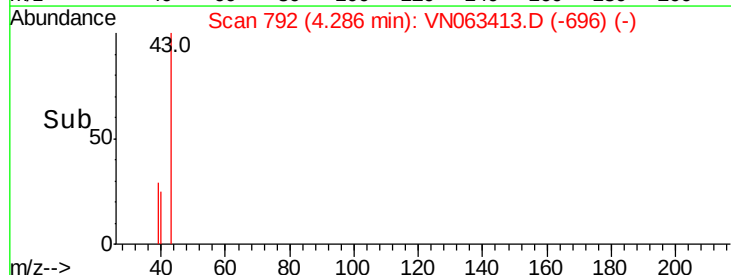
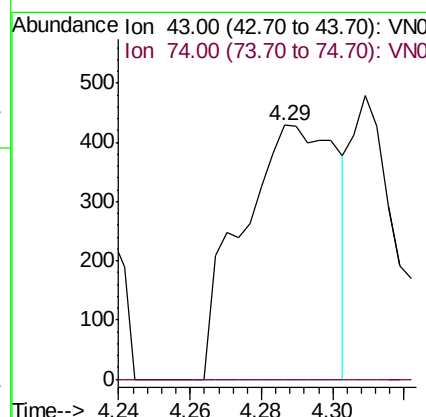
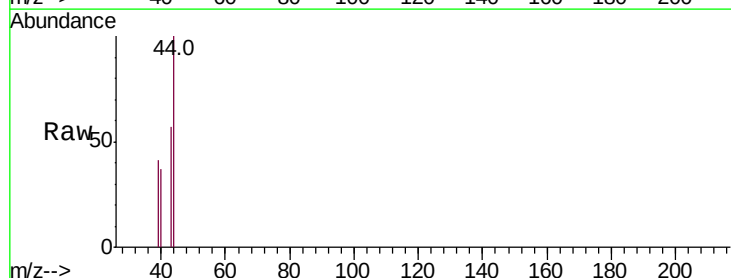
Instrument :
MSVOA_N
ClientSampleId :
200916001-02-TRIP-BLANK

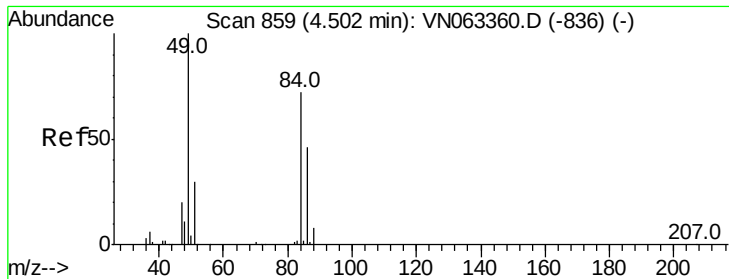
Tot Ion: 76 Resp: 1987
Ion Ratio Lower Upper
76 100
78 20.8 7.2 10.8#



#18
Methyl Acetate
Concen: 0.256 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN063413.D
Acq: 17 Sep 2020 12:50

Tgt Ion: 43 Resp: 792
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#





#20

Methvlene Chloride

Concen: 1.571 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

200916001-02-TRIP-BLANK

Tot Ion: 84 Resp: 4848

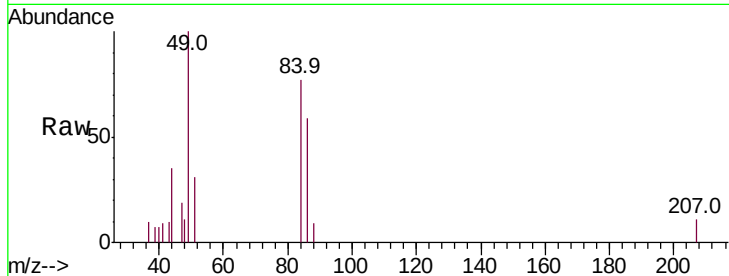
Ion Ratio Lower Upper

84 100

49 129.8 110.7 166.1

51 31.6 32.9 49.3#

86 76.2 51.1 76.7

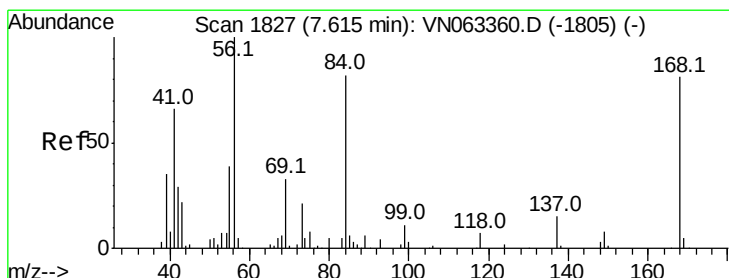
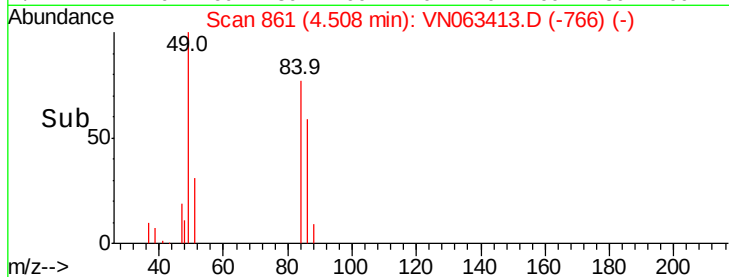
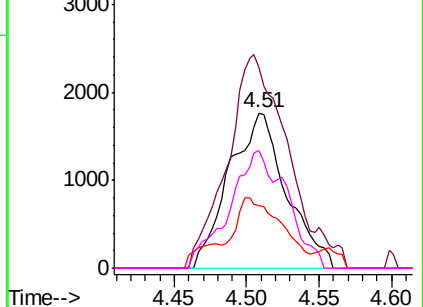


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 1.231 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

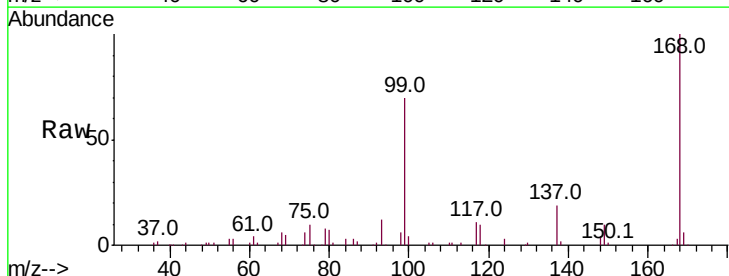
Tgt Ion: 56 Resp: 6445

Ion Ratio Lower Upper

56 100

69 145.1 26.1 39.1#

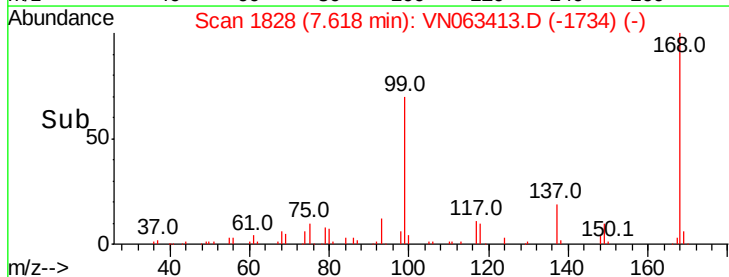
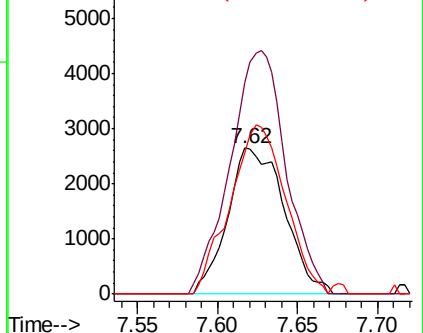
84 97.2 65.4 98.2

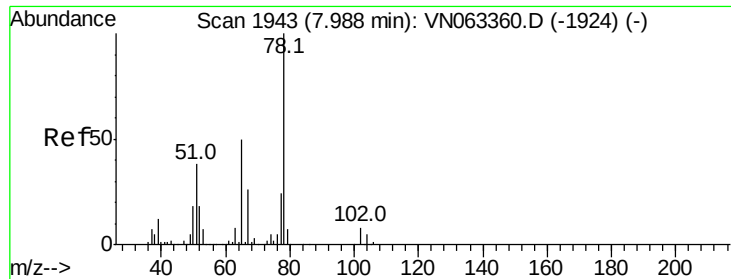


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

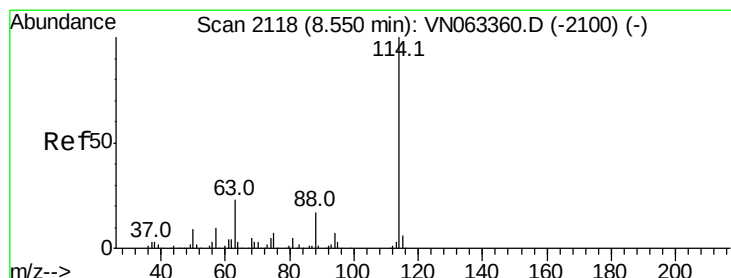
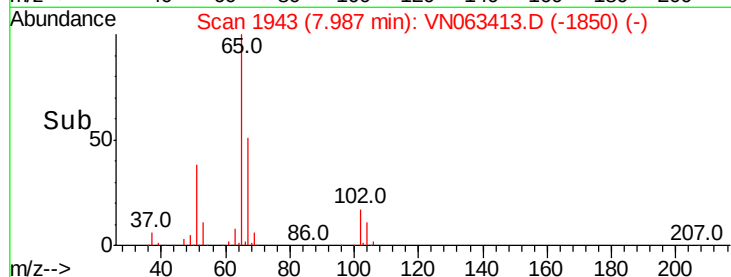
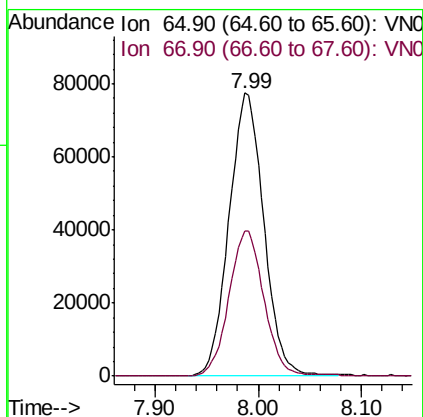
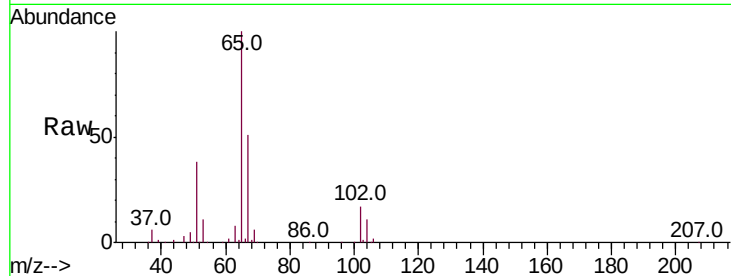




#33
 1,2-Dichloroethane-d4
 Concen: 48.105 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063413.D
 Acq: 17 Sep 2020 12:50

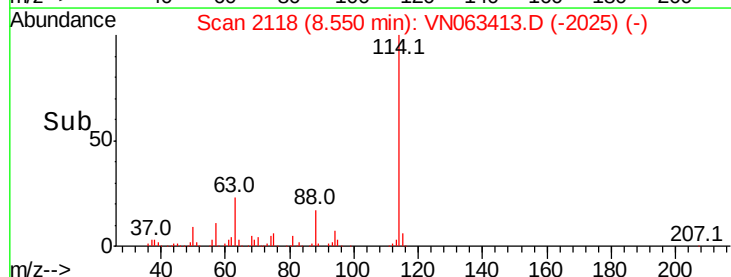
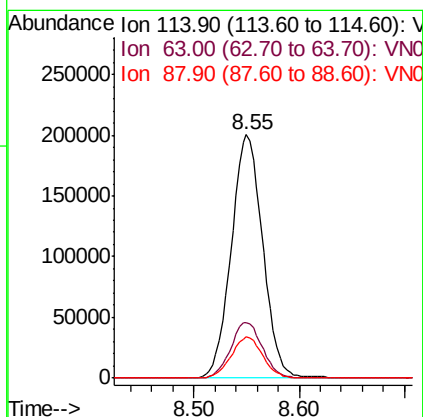
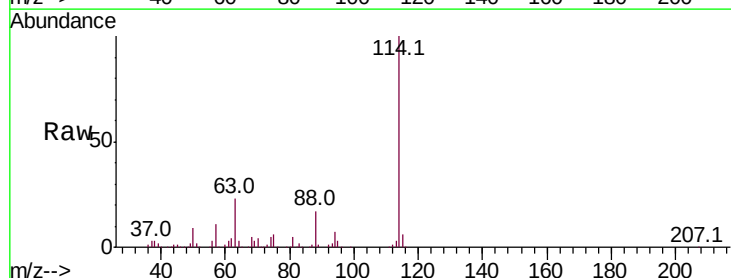
Instrument :
 MSVOA_N
 ClientSampleId :
 200916001-02-TRIP-BLANK

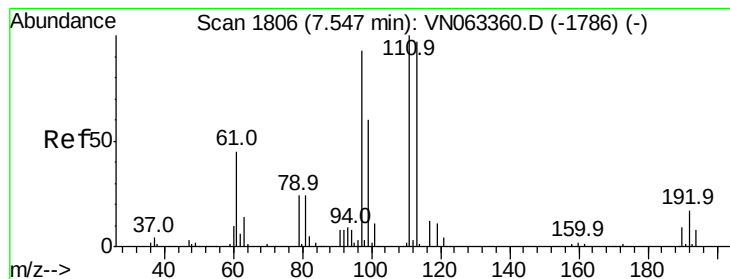
Tot Ion: 65 Resp: 182293
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063413.D
 Acq: 17 Sep 2020 12:50

Tgt Ion: 114 Resp: 414365
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.4
 88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.251 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
200916001-02-TRIP-BLANK

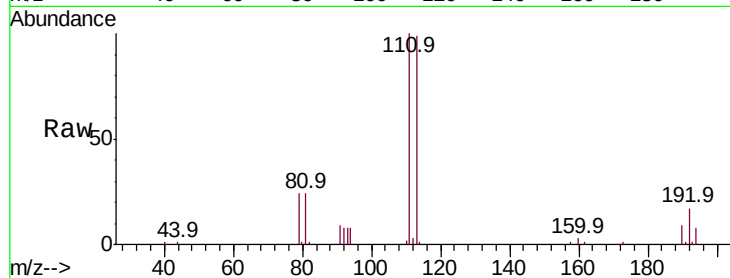
Tot Ion:113 Resp: 132674

Ion Ratio Lower Upper

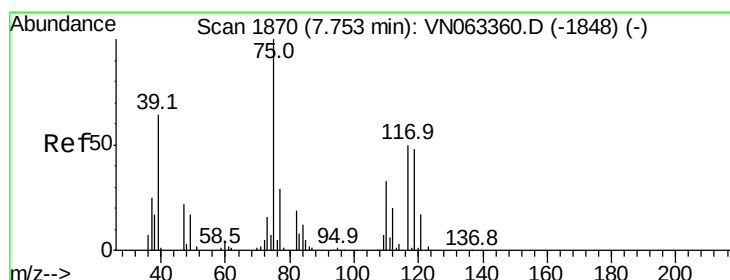
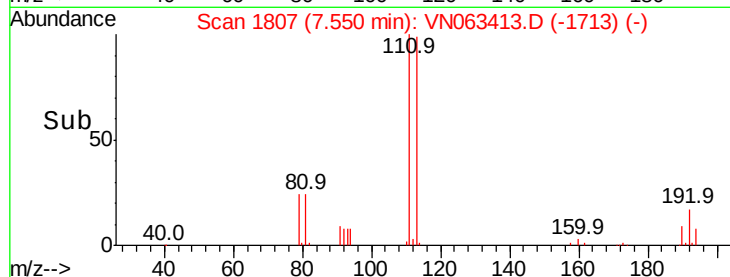
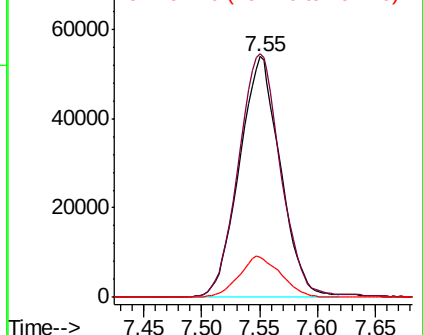
113 100

111 103.8 82.9 124.3

192 17.2 13.9 20.9



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: 4.821 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

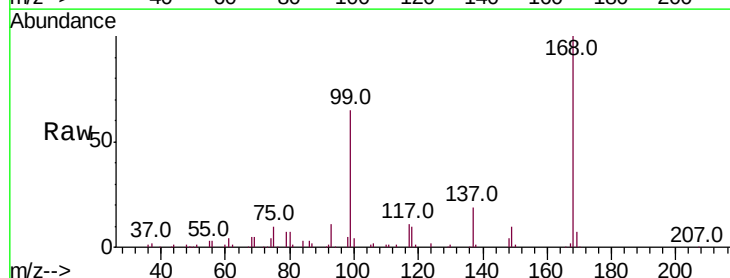
Tgt Ion: 75 Resp: 21284

Ion Ratio Lower Upper

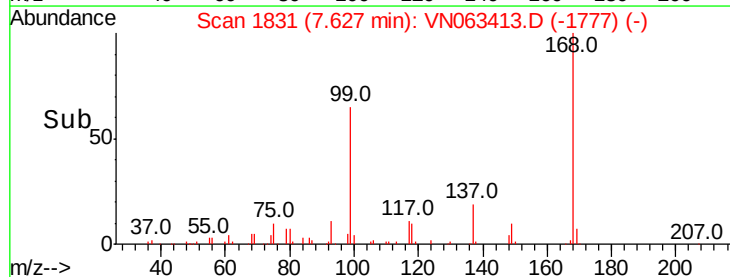
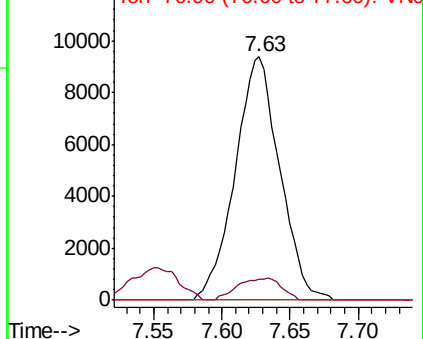
75 100

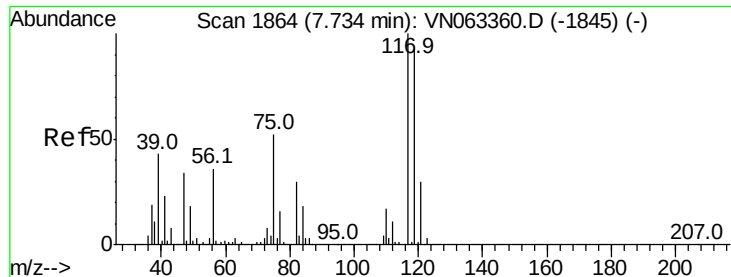
110 8.8 16.5 49.5#

77 0.0 24.6 36.8#



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

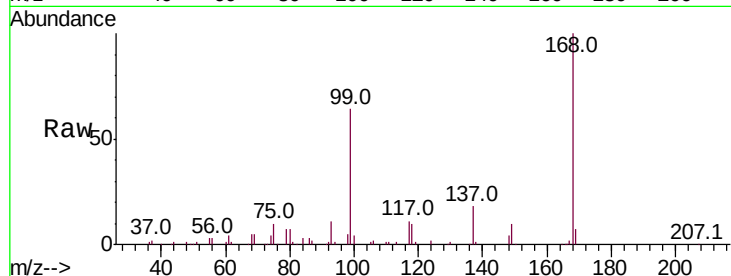




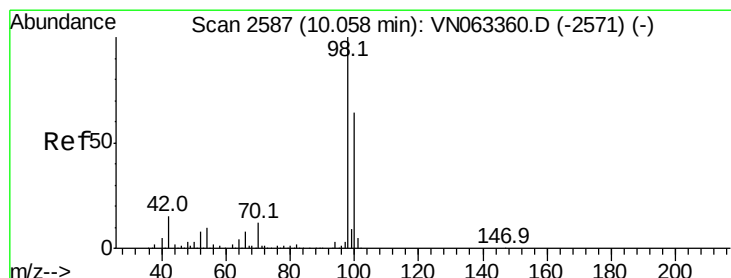
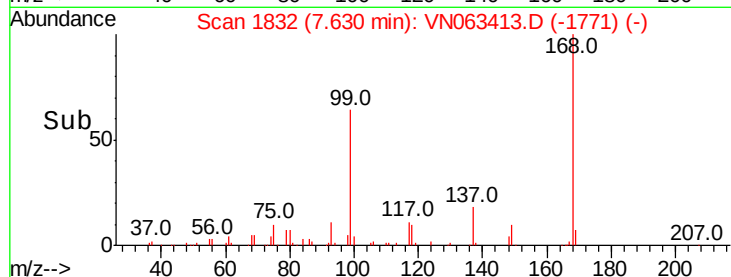
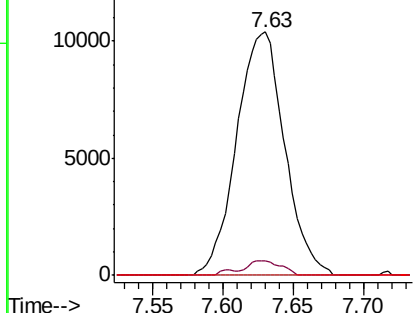
#38
Carbon Tetrachloride
Concen: 5.486 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. -0.10 min
Lab File: VN063413.D
Acq: 17 Sep 2020 12:50

Instrument :
MSVOA_N
ClientSampled :
200916001-02-TRIP-BLANK

Tot Ion:117 Resp: 24722
Ion Ratio Lower Upper
117 100
119 5.8 74.5 111.7#
121 0.0 24.1 36.1#

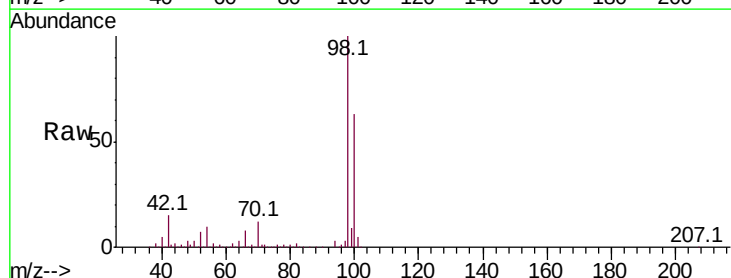


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

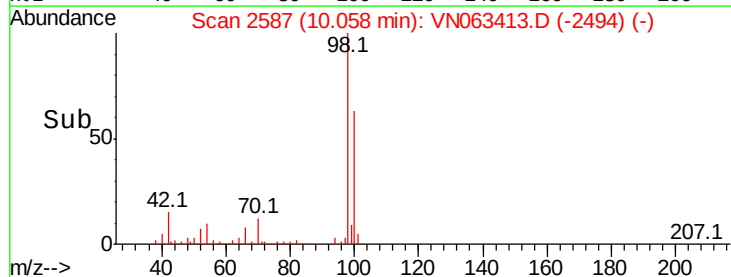
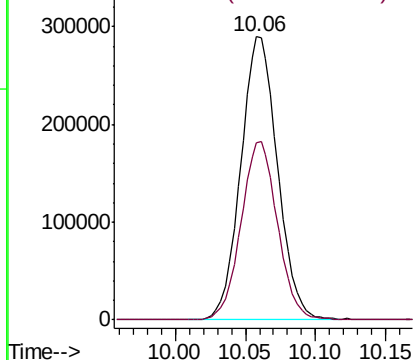


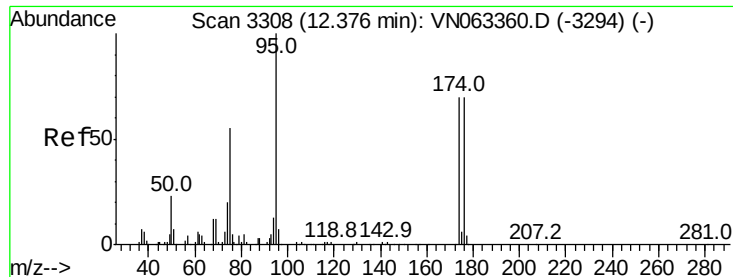
#50
Toluene-d8
Concen: 49.016 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063413.D
Acq: 17 Sep 2020 12:50

Tgt Ion: 98 Resp: 528706
Ion Ratio Lower Upper
98 100
100 62.6 50.7 76.1



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





#62

4-Bromofluorobenzene

Concen: 52.963 ug/l

RT: 12.38 min Scan# 3308

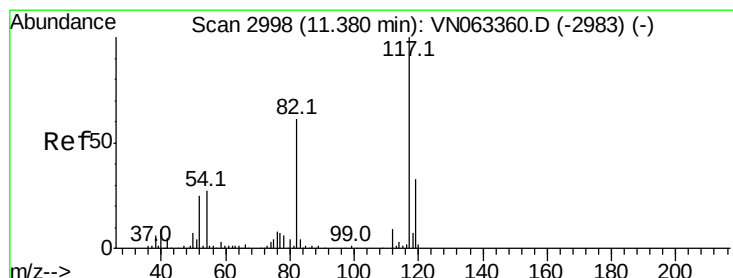
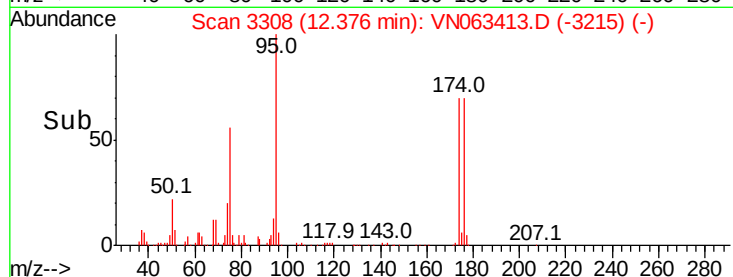
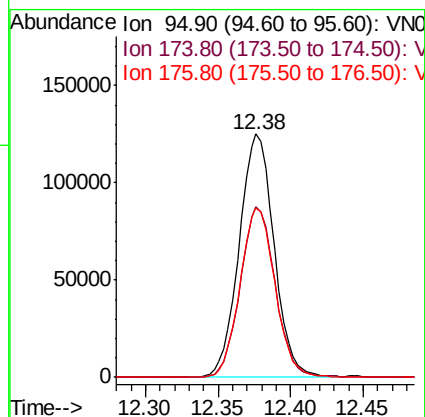
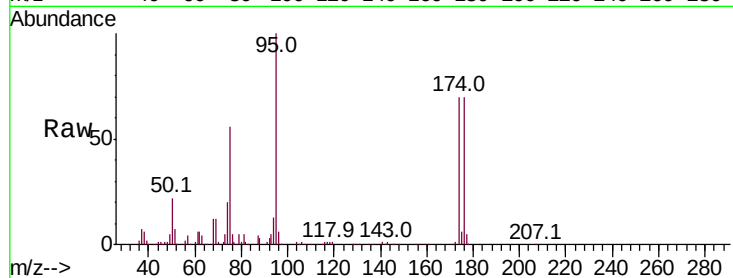
Delta R.T. -0.00 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
200916001-02-TRIP-BLANK

Tot Ion:	95	Resp:	209421
Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	140.8
176	69.8	0.0	137.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

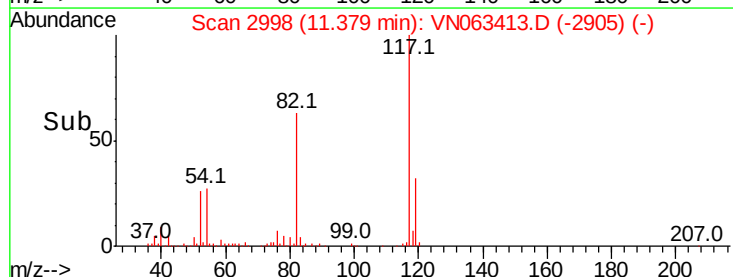
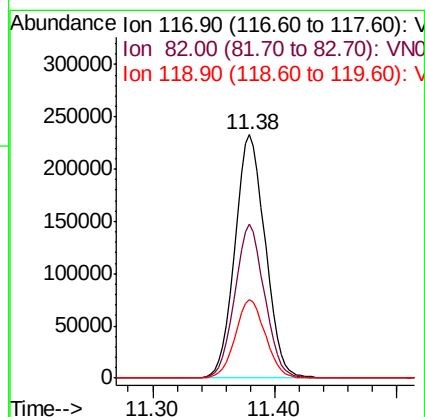
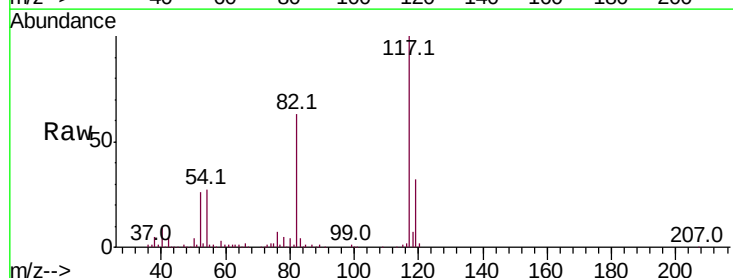
RT: 11.38 min Scan# 2998

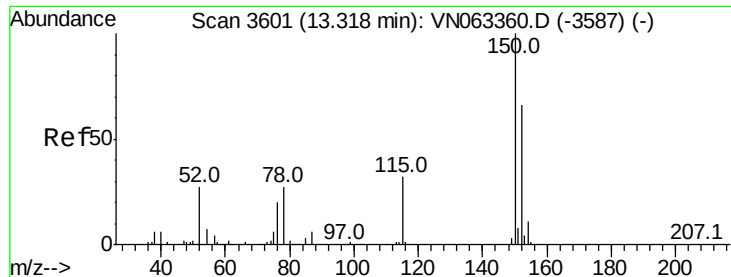
Delta R.T. -0.00 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

Tgt Ion:	117	Resp:	401508
Ion	Ratio	Lower	Upper
117	100		
82	63.1	49.2	73.8
119	32.1	26.2	39.4

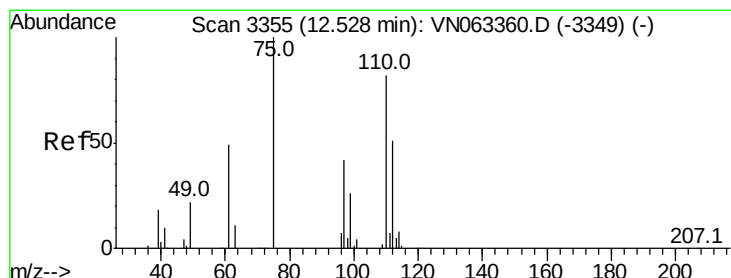
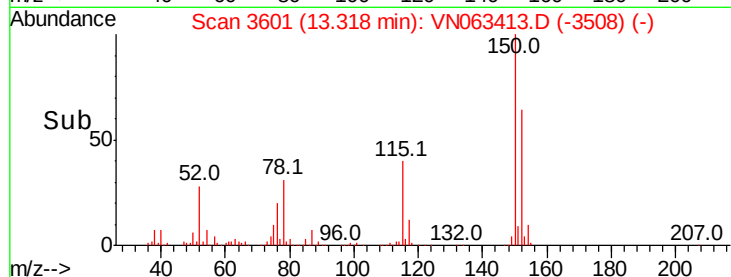
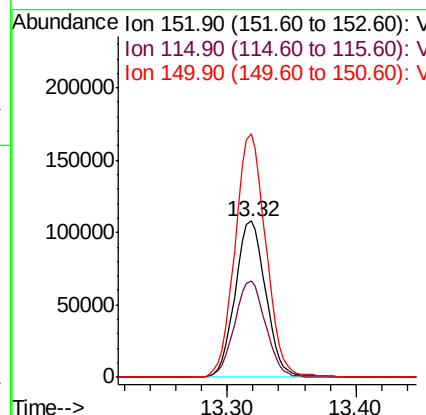
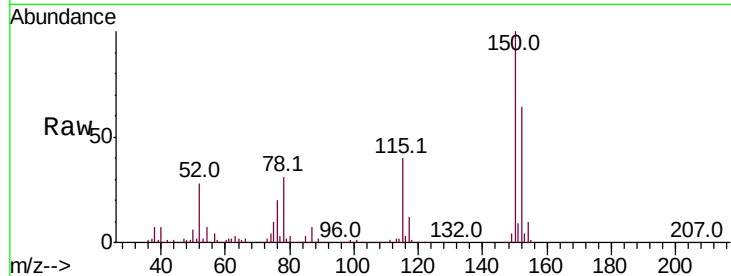




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VN063413.D
 Acq: 17 Sep 2020 12:50

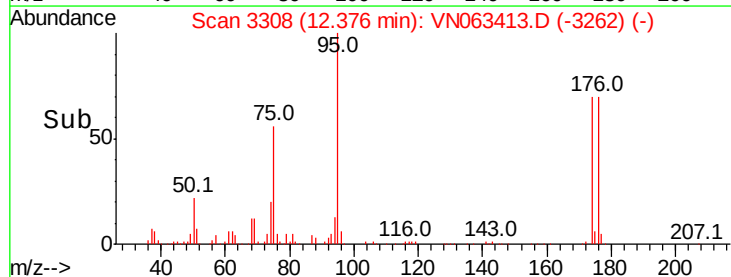
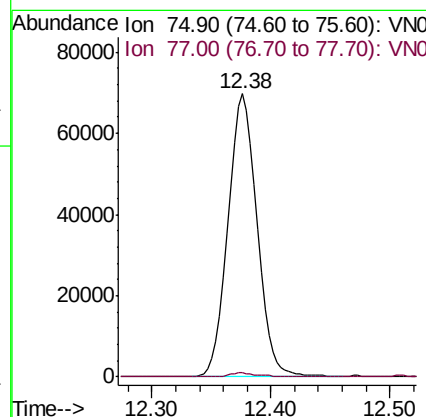
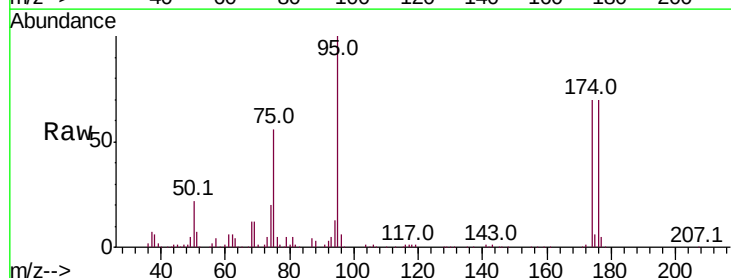
Instrument :
 MSVOA_N
 ClientSampleId :
 200916001-02-TRIP-BLANK

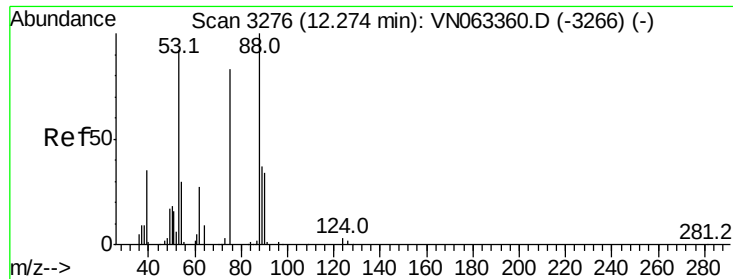
Tot Ion:152 Resp: 178685
 Ion Ratio Lower Upper
 152 100
 115 62.4 32.2 96.6
 150 157.0 0.0 343.4



#76
 1,2,3-Trichloropropane
 Concen: 26.746 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063413.D
 Acq: 17 Sep 2020 12:50

Tgt Ion: 75 Resp: 118291
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 73.328 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

200916001-02-TRIP-BLANK

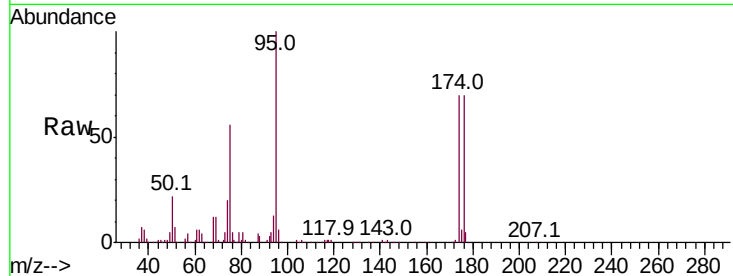
Tot Ion: 75 Resp: 118291

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

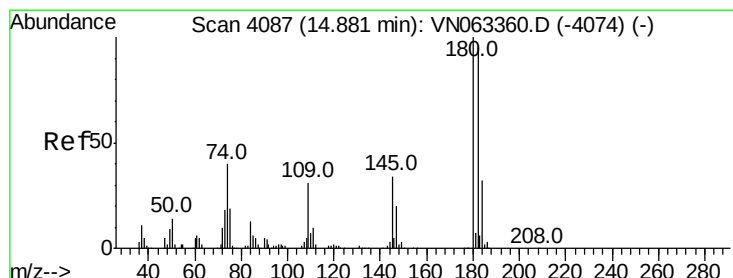
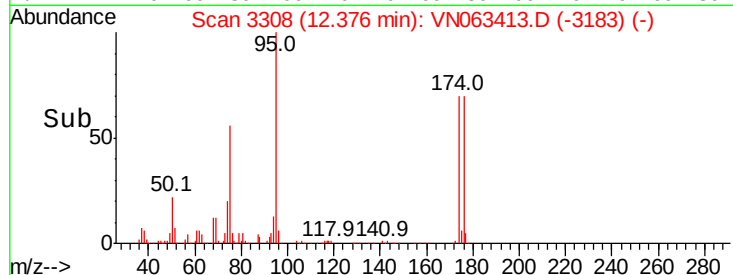
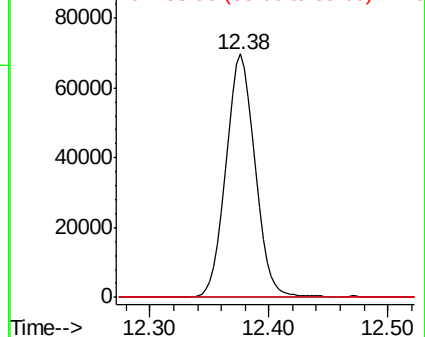
89 0.0 38.0 57.0#



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: 0.238 ug/l

RT: 14.89 min Scan# 4091

Delta R.T. 0.01 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

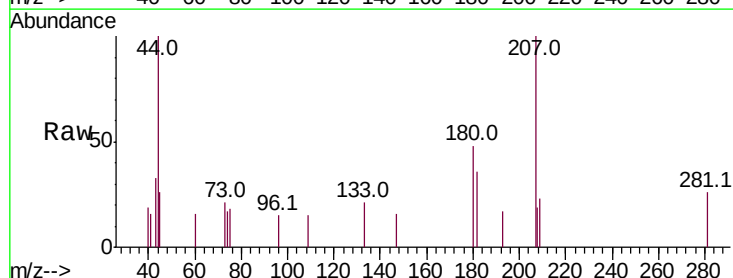
Tgt Ion: 180 Resp: 824

Ion Ratio Lower Upper

180 100

182 70.4 47.3 142.0

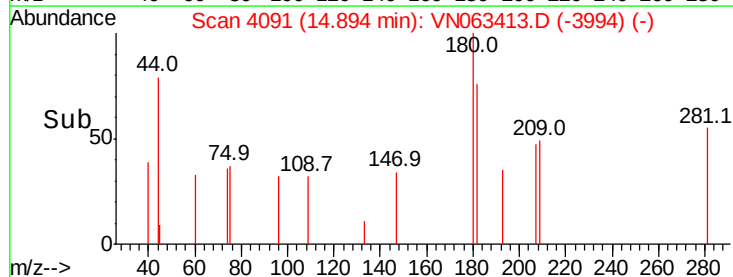
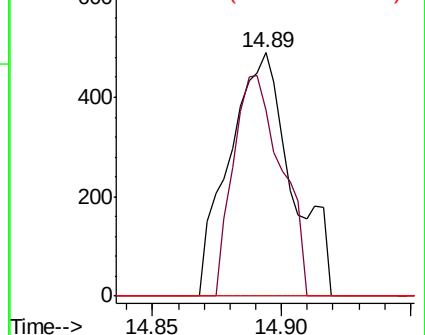
145 0.0 16.6 49.7#

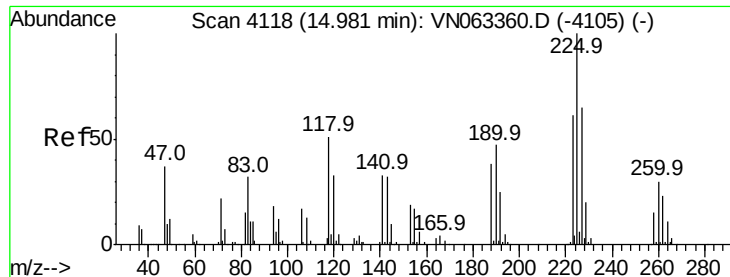


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.294 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

200916001-02-TRIP-BLANK

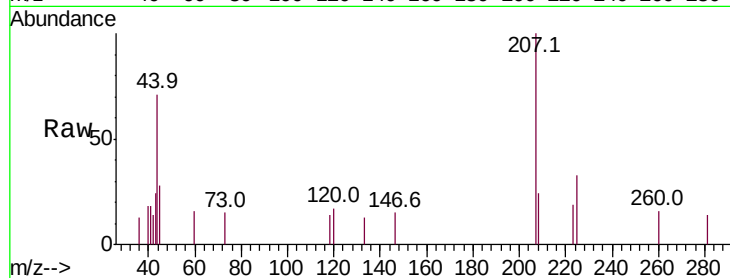
Tot Ion:225 Resp: 421

Ion Ratio Lower Upper

225 100

223 74.3 30.6 91.6

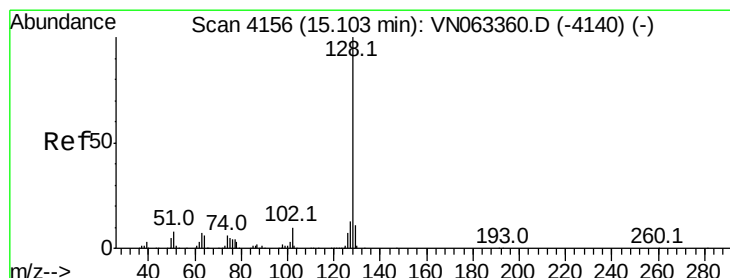
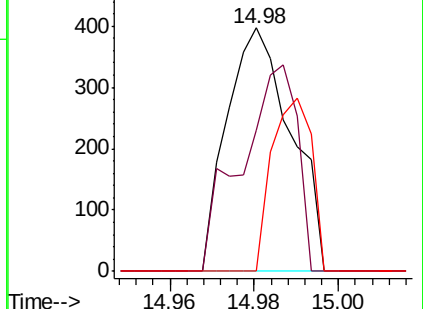
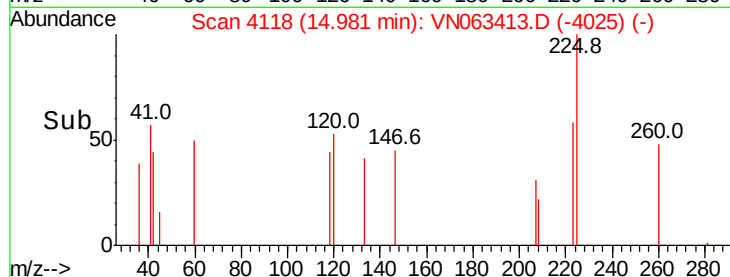
227 43.7 31.2 93.6



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: 0.252 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

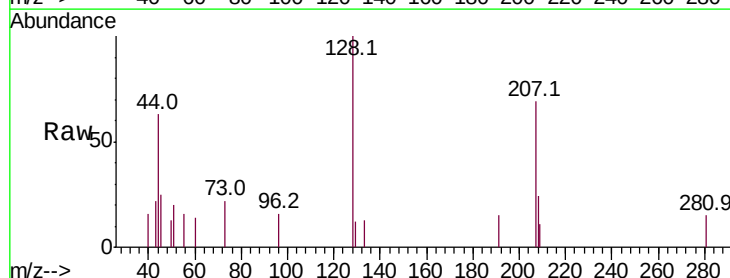
Tgt Ion:128 Resp: 2872

Ion Ratio Lower Upper

128 100

127 1.1 10.6 15.8#

129 4.4 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

