

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062818.D
 Acq On : 10 Aug 2020 19:25
 Operator : JC/MD
 Sample : PB130829TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130829TB

Quant Time: Aug 11 06:57:42 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

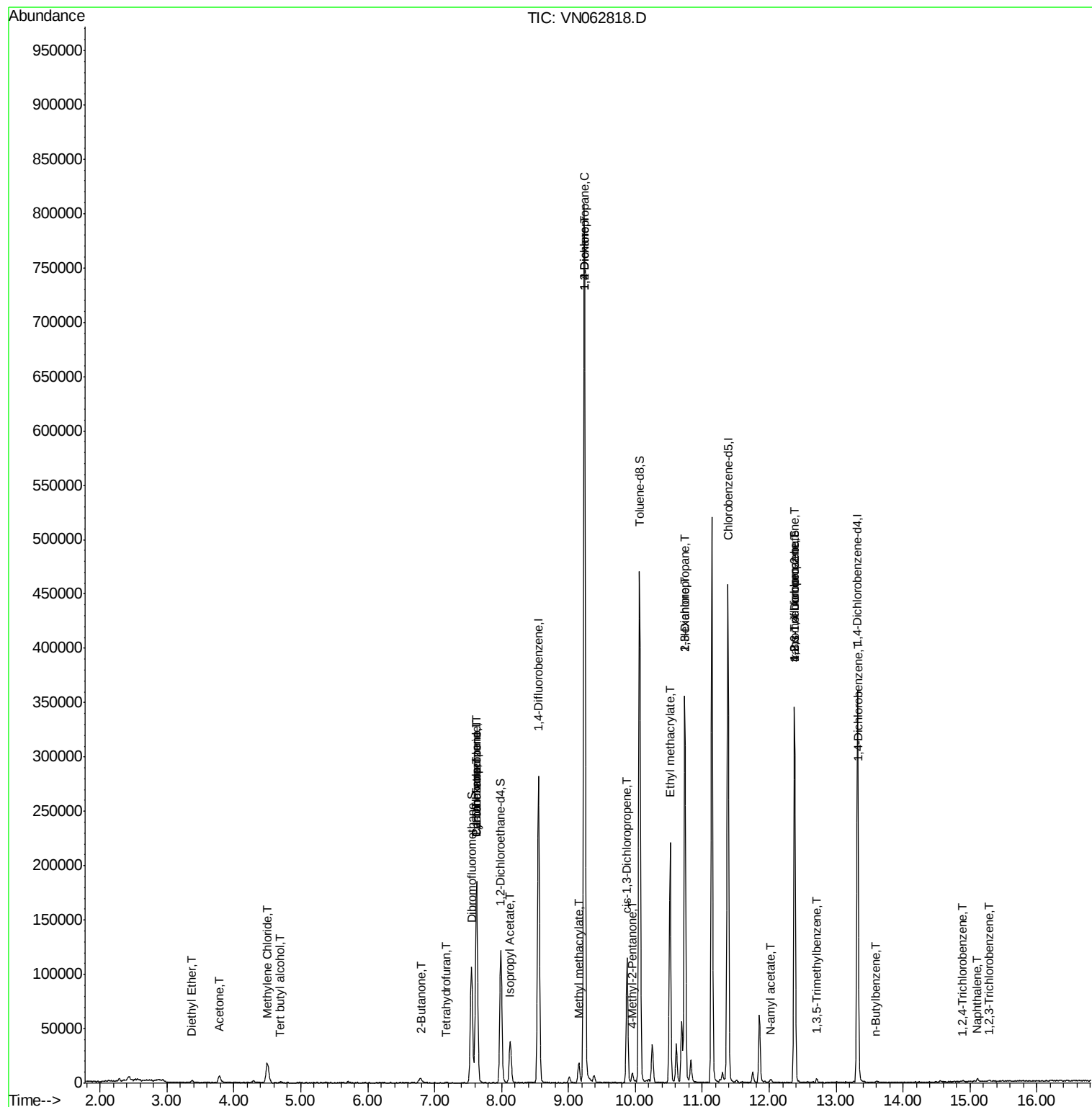
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	140144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	244511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	254094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	94653	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	112105	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
35) Dibromofluoromethane	7.55	113	80629	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	10.06	98	326341	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.38	95	122032	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.38	74	767	0.846	ug/l #	48
11) Tert butyl alcohol	4.69	59	428	1.127	ug/l #	72
16) Acetone	3.78	43	10452	12.481	ug/l	97
17) Carbon Disulfide	4.00	76	1106	Below Cal	#	74
18) Methyl Acetate	4.28	43	1290	Below Cal	#	88
20) Methylene Chloride	4.50	84	14196	8.634	ug/l	92
25) 2-Butanone	6.80	43	2999	2.529	ug/l	95
29) Tetrahydrofuran	7.18	42	481	0.624	ug/l #	44
31) Cyclohexane	7.63	56	3271	1.164	ug/l #	39
36) 1,1-Dichloropropene	7.63	75	11906	5.001	ug/l #	52
38) Carbon Tetrachloride	7.63	117	15433	5.481	ug/l #	15
43) Isopropyl Acetate	8.13	43	46234	11.145	ug/l	97
45) 1,2-Dichloropropane	9.24	63	891	0.463	ug/l #	45
48) Methyl methacrylate	9.15	41	2538	1.244	ug/l #	13
49) 1,4-Dioxane	9.24	88	68	1.799	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	5898	2.197	ug/l	98
54) cis-1,3-Dichloropropene	9.88	75	20520	6.566	ug/l #	58
56) Ethyl methacrylate	10.51	69	756	0.268	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3586	1.127	ug/l #	43
59) 2-Hexanone	10.74	43	54191	27.067	ug/l #	53
74) N-amyl acetate	12.01	43	1215	0.421	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	66529	26.062	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2925	0.473	ug/l	83
81) trans-1,4-Dichloro-2-buten	12.38	75	66529	79.561	ug/l #	10
88) 1,4-Dichlorobenzene	13.34	146	639	0.201	ug/l #	63
89) n-Butylbenzene	13.59	91	1252	0.243	ug/l #	57
93) 1,2,4-Trichlorobenzene	14.89	180	470	3.598	ug/l	93
94) Hexachlorobutadiene	14.99	225	180	Below Cal	#	44
95) Naphthalene	15.11	128	2936	4.333	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.29	180	748	3.191	ug/l #	83

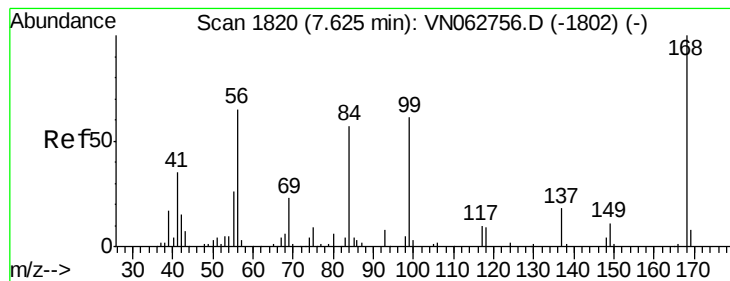
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081020\
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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: VN062818.D

Acq: 10 Aug 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

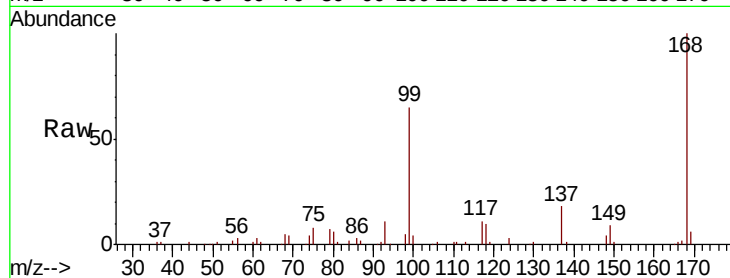
PB130829TB

Tot Ion:168 Resp: 140144

Ion Ratio Lower Upper

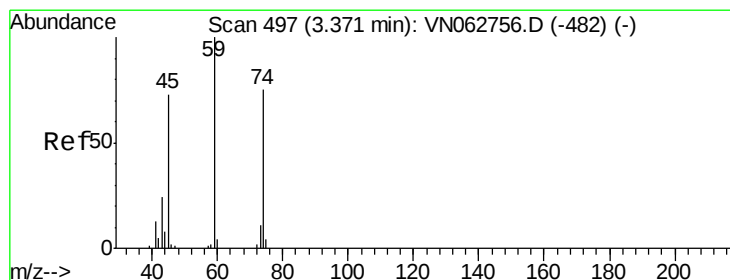
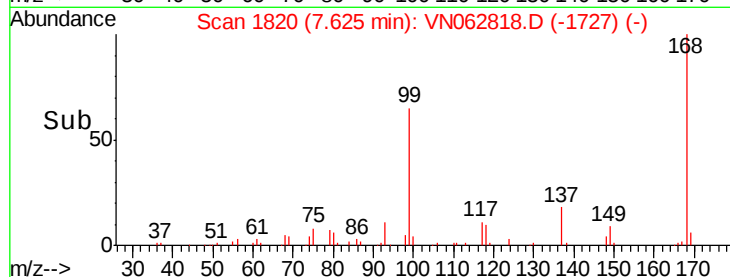
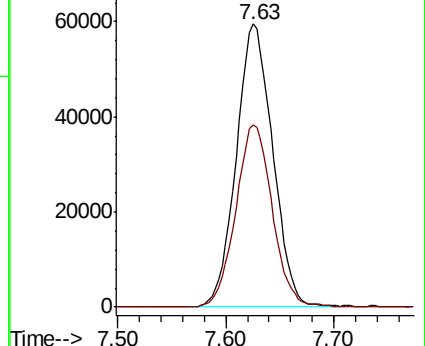
168 100

99 64.6 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#8

Diethyl Ether

Concen: 0.846 ug/l

RT: 3.38 min Scan# 499

Delta R.T. 0.01 min

Lab File: VN062818.D

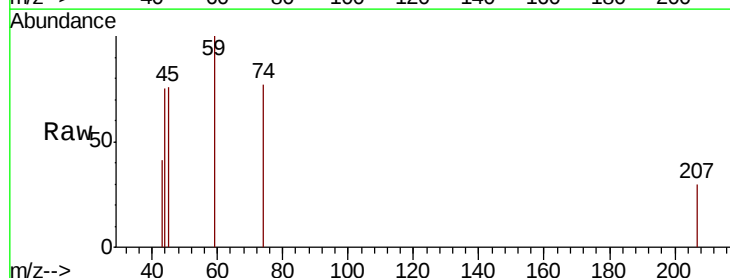
Acq: 10 Aug 2020 19:25

Tgt Ion: 74 Resp: 767

Ion Ratio Lower Upper

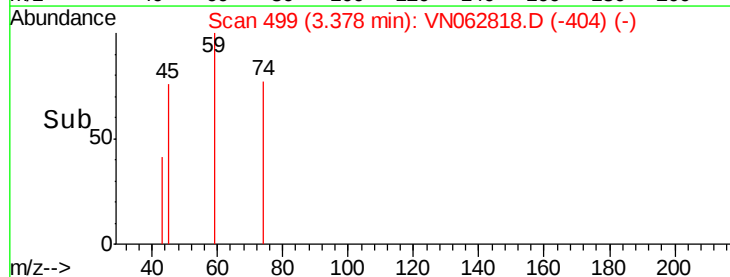
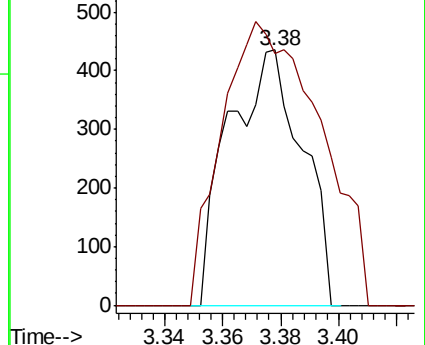
74 100

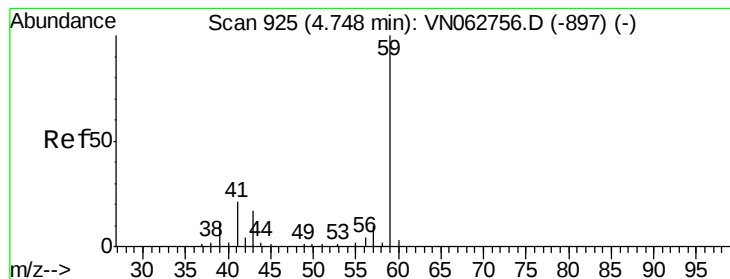
45 148.2 48.7 146.1#



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN



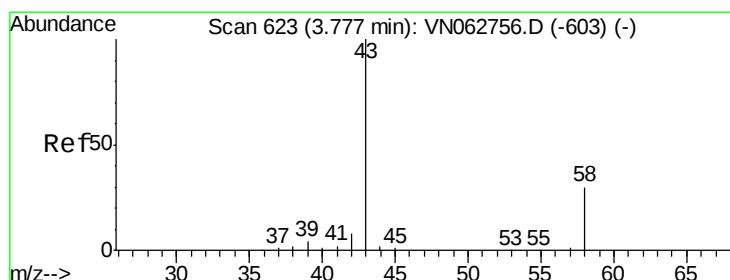
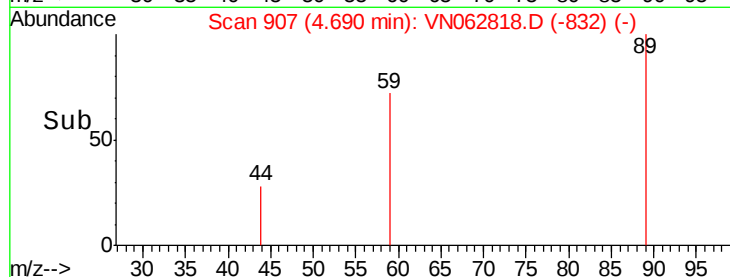
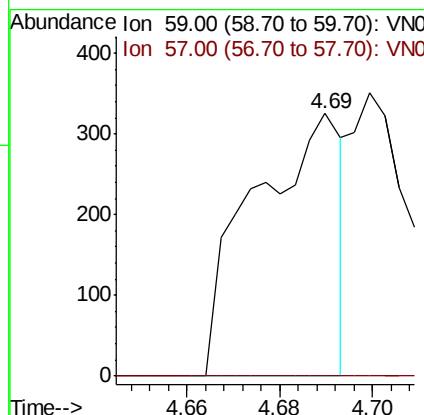
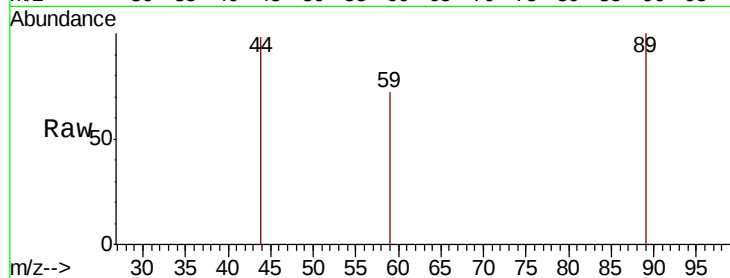


#11

Tert butyl alcohol
 Concen: 1.127 ug/l
 RT: 4.69 min Scan# 907
 Delta R.T. -0.06 min
 Lab File: VN062818.D
 Acq: 10 Aug 2020 19:25

Instrument :
 MSVOA_N
 ClientSampled :
 PB130829TB

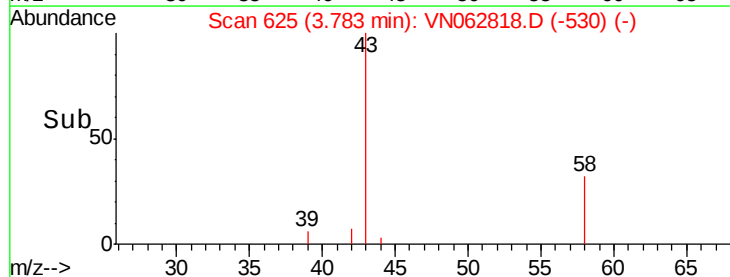
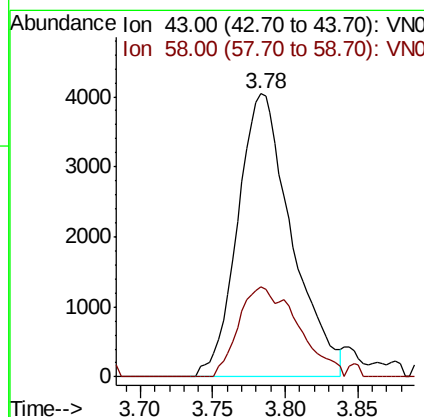
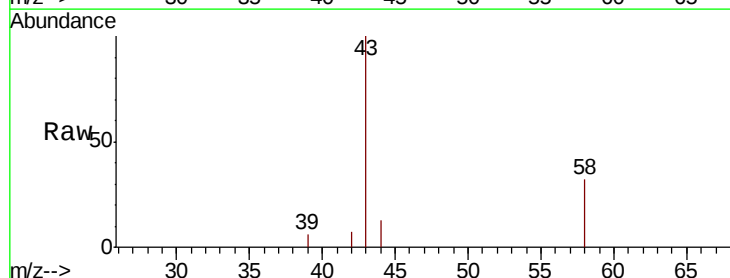
Tot Ion: 59 Resp: 428
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

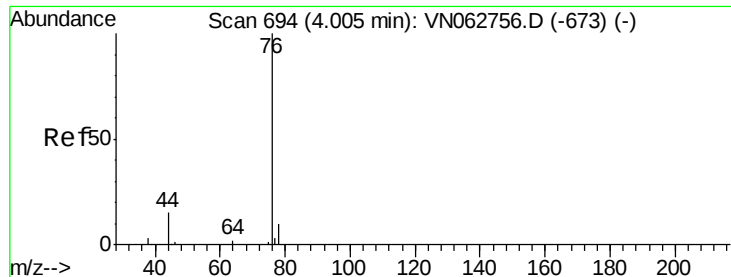


#16

Acetone
 Concen: 12.481 ug/l
 RT: 3.78 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: VN062818.D
 Acq: 10 Aug 2020 19:25

Tgt Ion: 43 Resp: 10452
 Ion Ratio Lower Upper
 43 100
 58 31.7 24.1 36.1





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

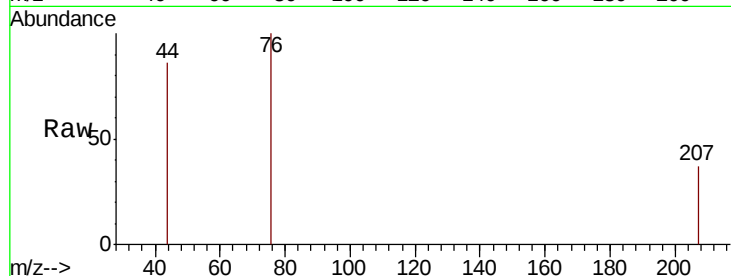
PB130829TB

Tot Ion: 76 Resp: 1106

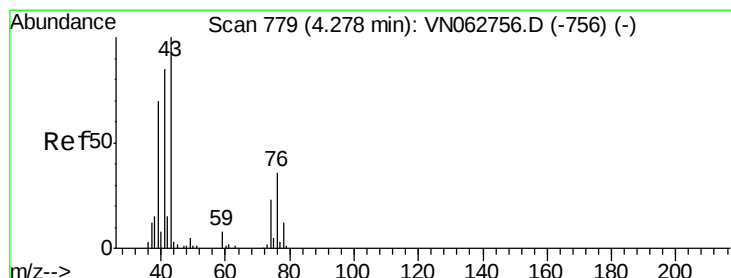
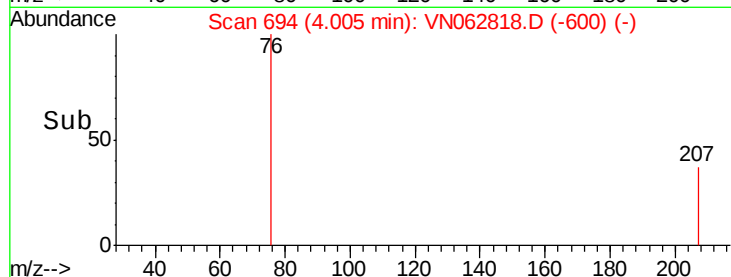
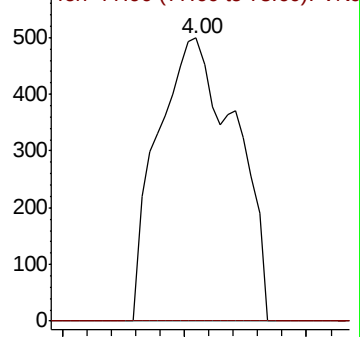
Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062756.D (-673) (-)



#18

Methyl Acetate

Concen: Below Cal

RT: 4.28 min Scan# 781

Delta R.T. 0.01 min

Lab File: VN062818.D

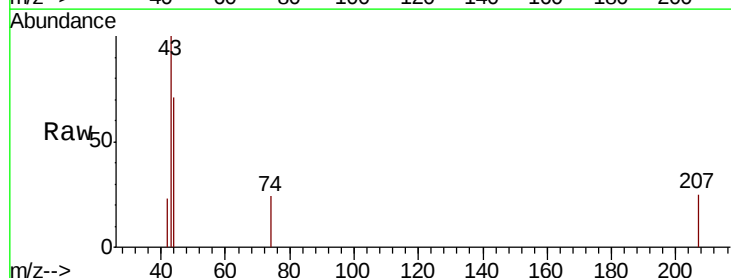
Acq: 10 Aug 2020 19:25

Tgt Ion: 43 Resp: 1290

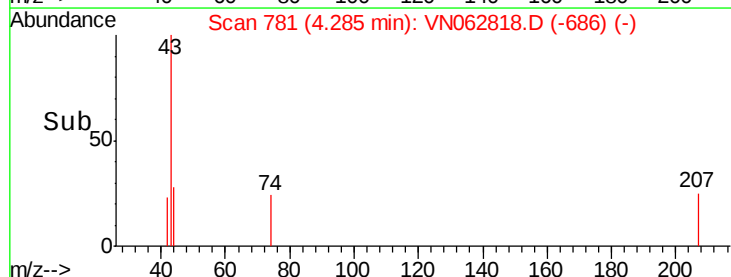
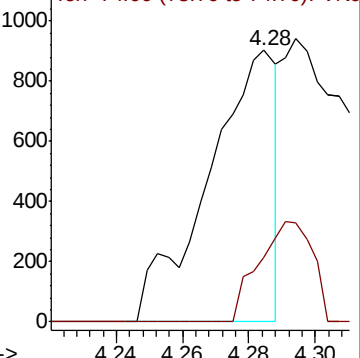
Ion Ratio Lower Upper

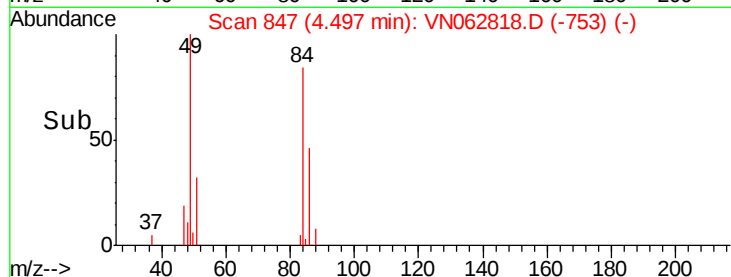
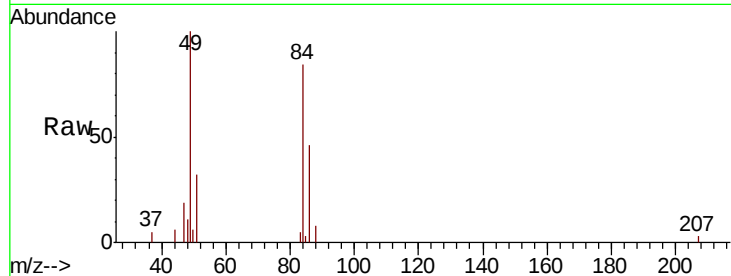
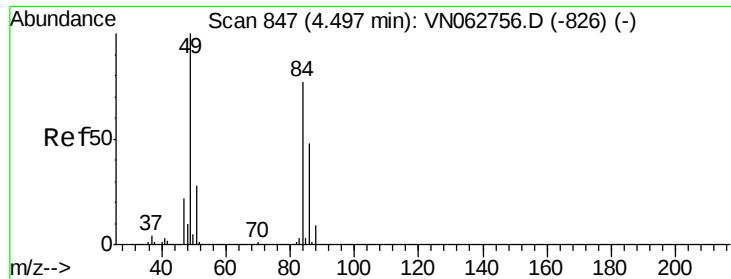
43 100

74 29.2 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-756) (-)

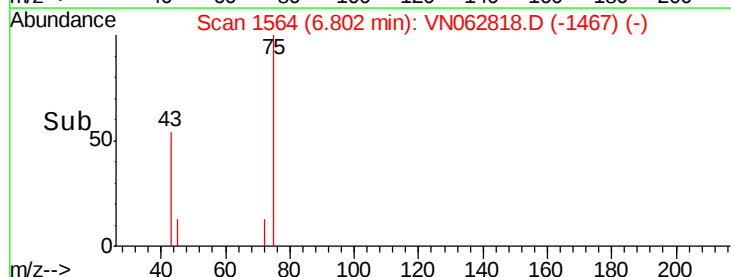
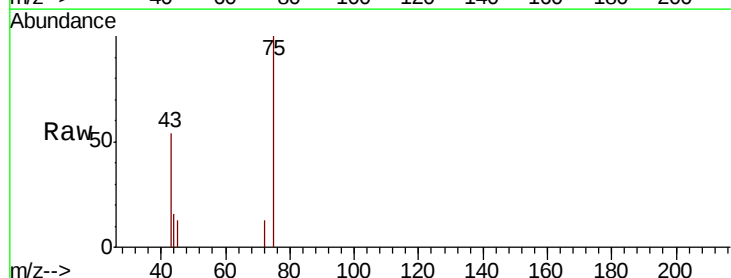
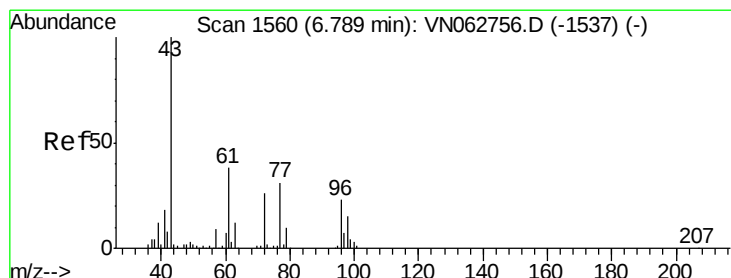
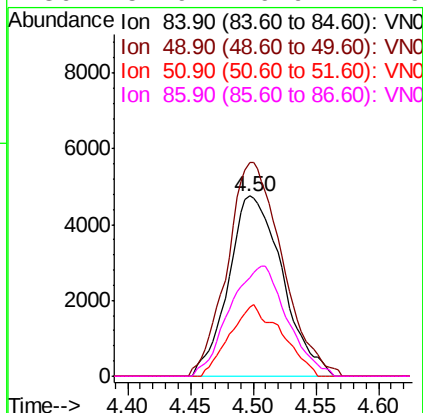




#20
Methvlene Chloride
Concen: 8.634 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062818.D
Acq: 10 Aug 2020 19:25

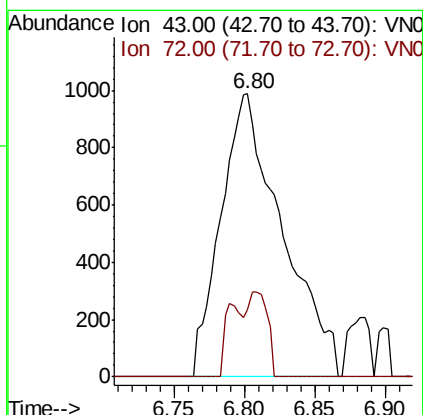
Instrument :
MSVOA_N
ClientSampleId :
PB130829TB

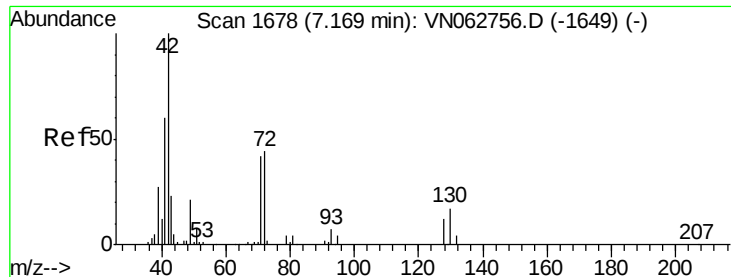
Tot Ion:	84	Resp:	14196
Ion	Ratio	Lower	Upper
84	100		
49	118.7	103.4	155.2
51	38.4	29.3	43.9
86	54.9	49.9	74.9



#25
2-Butanone
Concen: 2.529 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN062818.D
Acq: 10 Aug 2020 19:25

Tgt Ion:	43	Resp:	2999
Ion	Ratio	Lower	Upper
43	100		
72	23.8	21.1	31.7





#29

Tetrahydrofuran

Concen: 0.624 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

PB130829TB

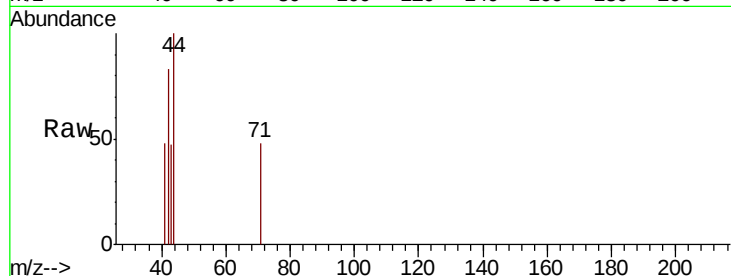
Tot Ion: 42 Resp: 481

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

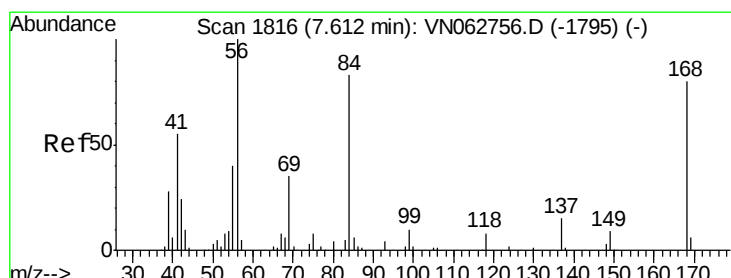
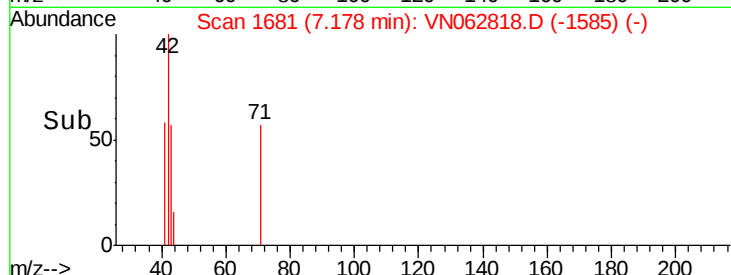
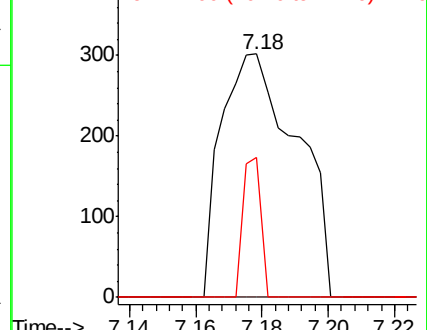
71 13.5 33.2 49.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.164 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

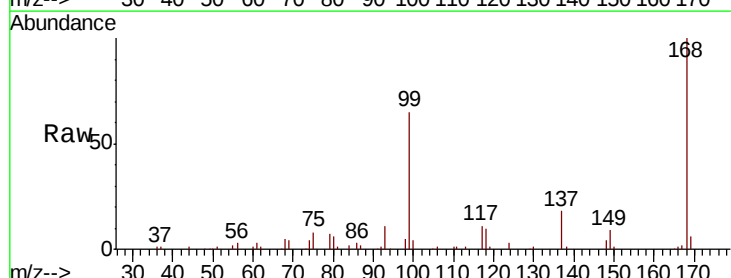
Tgt Ion: 56 Resp: 3271

Ion Ratio Lower Upper

56 100

69 146.5 28.1 42.1#

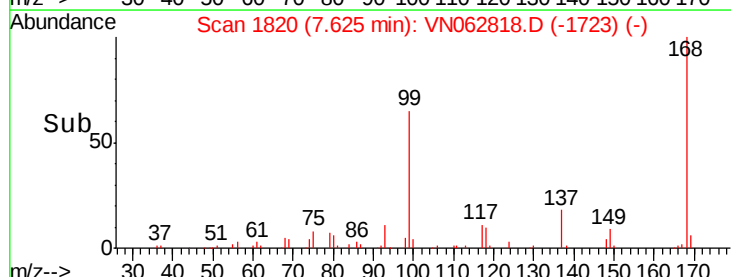
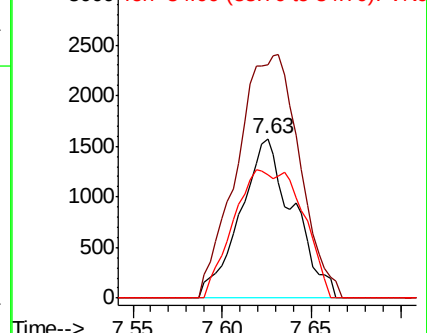
84 77.4 66.8 100.2

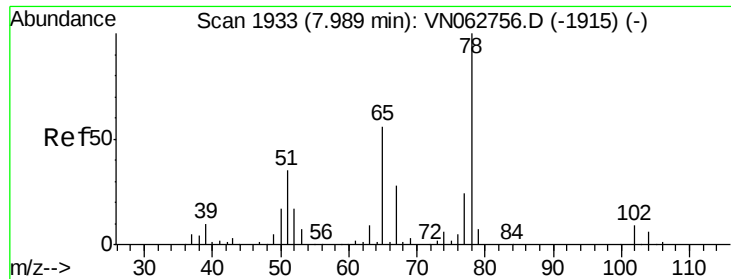


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

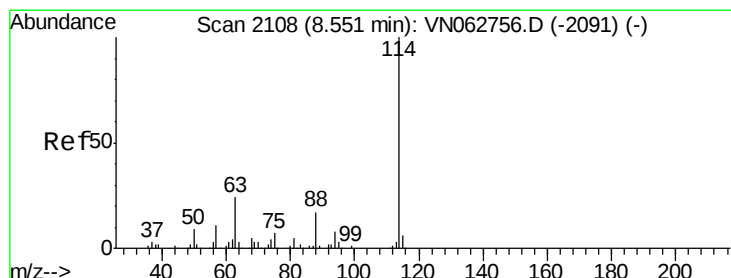
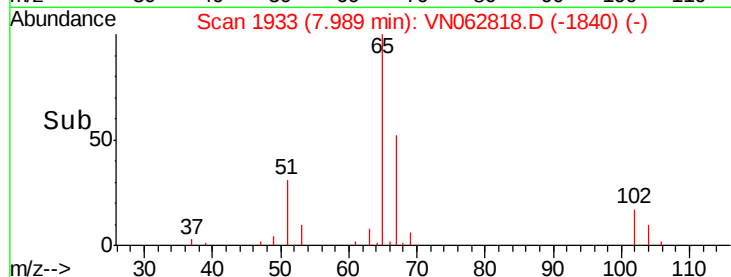
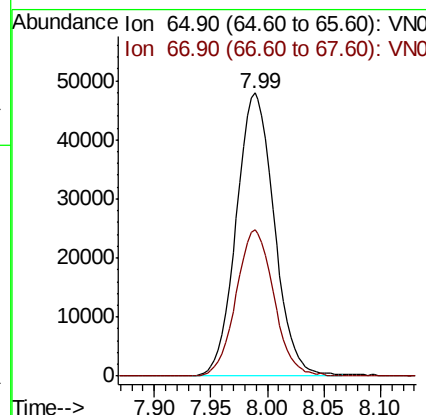
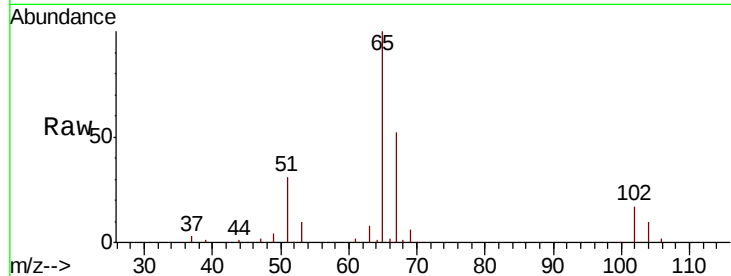




#33
 1,2-Dichloroethane-d4
 Concen: 48.372 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062818.D
 Acq: 10 Aug 2020 19:25

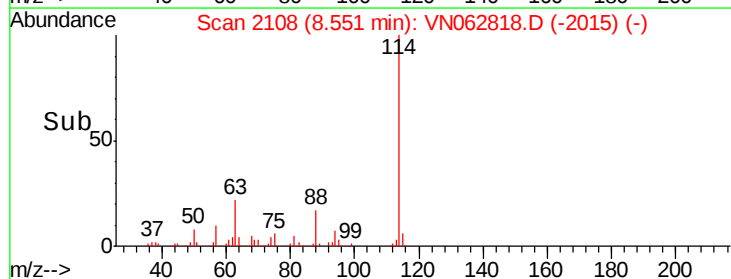
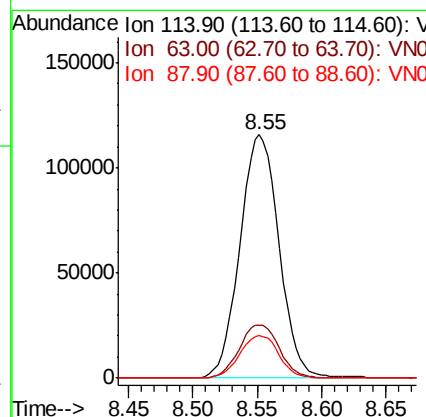
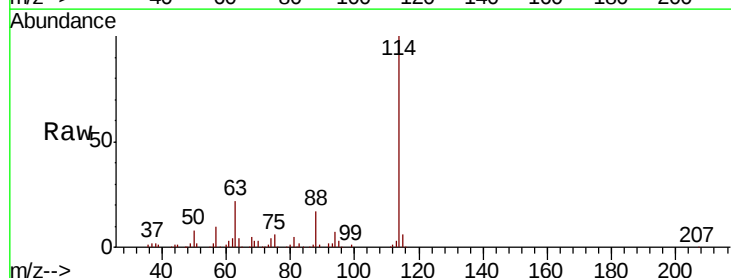
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130829TB

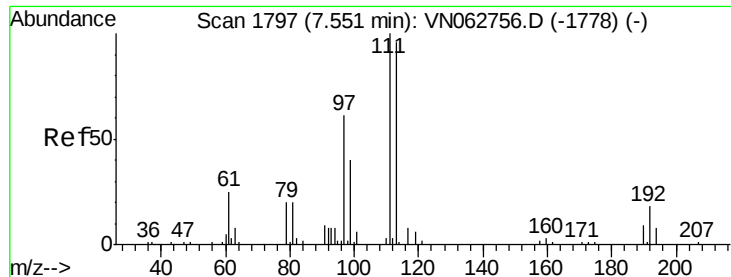
Tot Ion: 65 Resp: 112105
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062818.D
 Acq: 10 Aug 2020 19:25

Tgt Ion: 114 Resp: 244511
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 47.6
 88 17.4 0.0 34.4

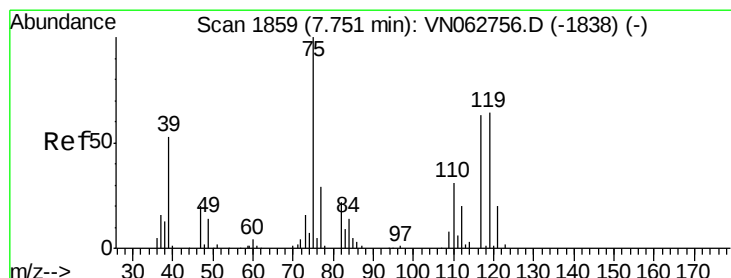
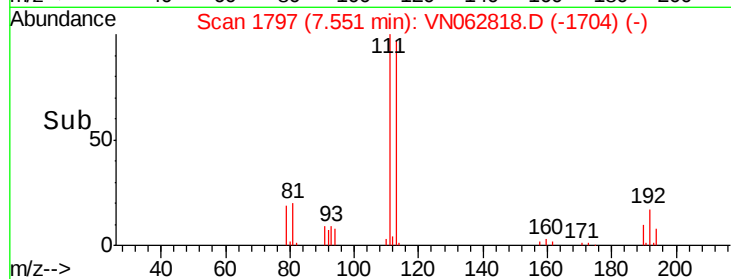
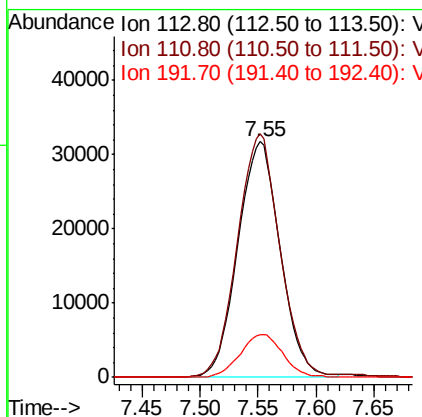
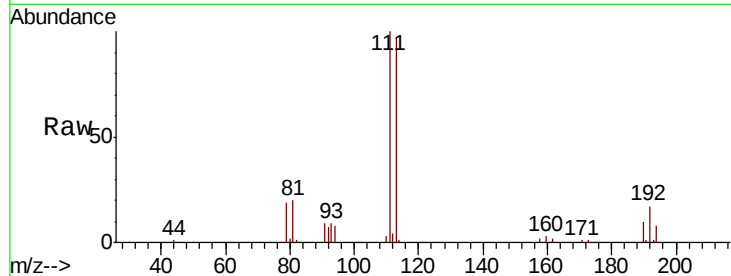




#35
 Dibromofluoromethane
 Concen: 48.206 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062818.D
 Acq: 10 Aug 2020 19:25

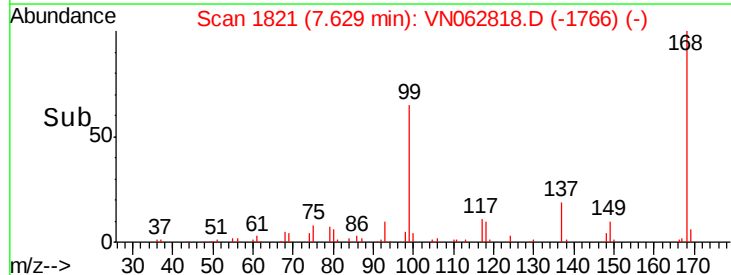
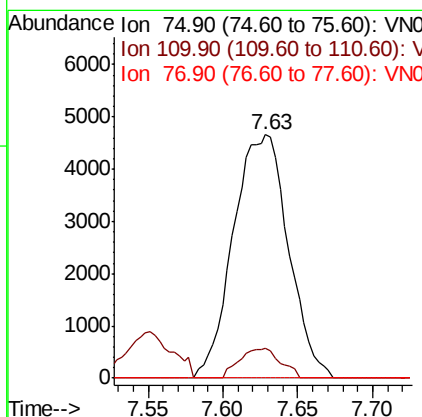
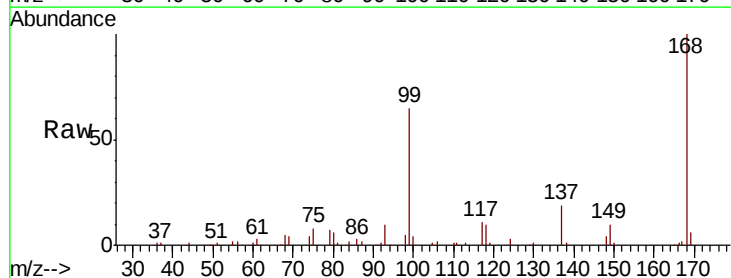
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130829TB

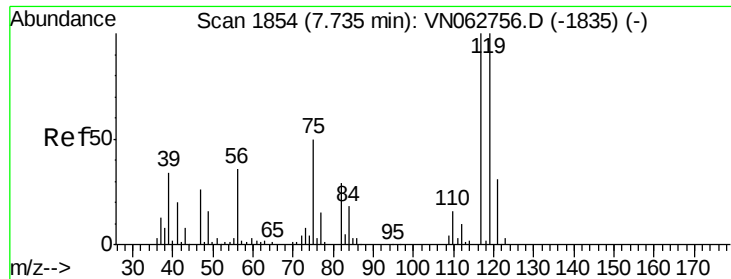
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	18.2	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 5.001 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062818.D
 Acq: 10 Aug 2020 19:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	15.6	46.7#
77	0.0	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 5.481 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

PB130829TB

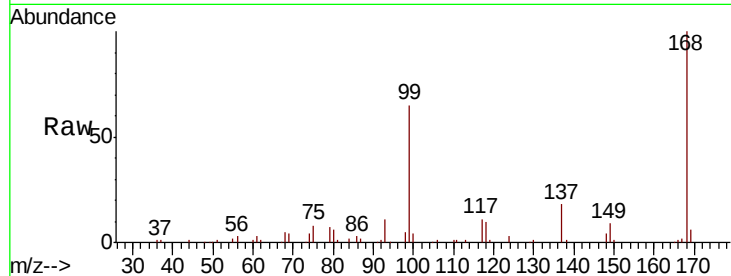
Tot Ion:117 Resp: 15433

Ion Ratio Lower Upper

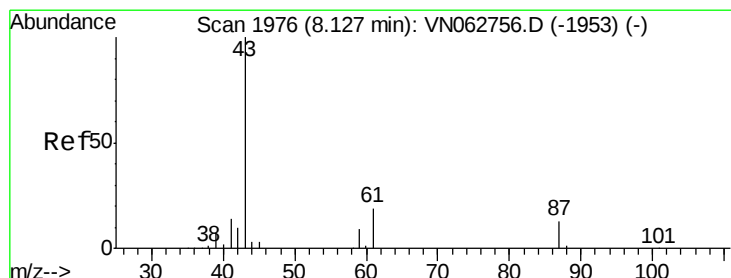
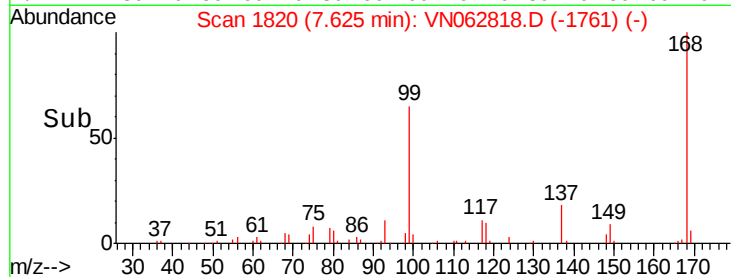
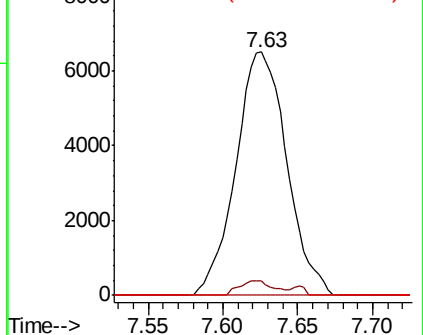
117 100

119 5.8 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



#43

Isopropyl Acetate

Concen: 11.145 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

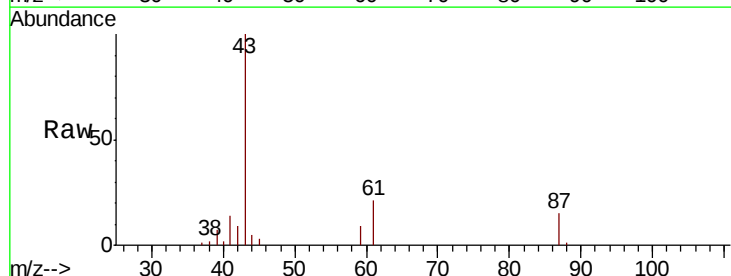
Tgt Ion: 43 Resp: 46234

Ion Ratio Lower Upper

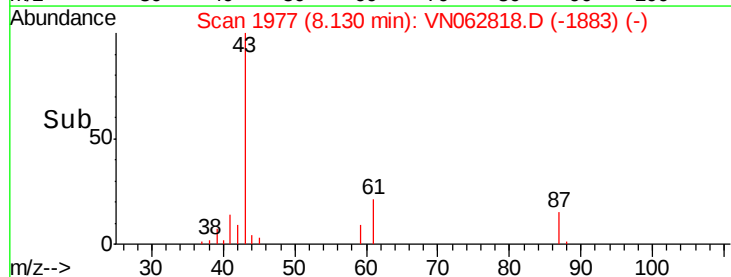
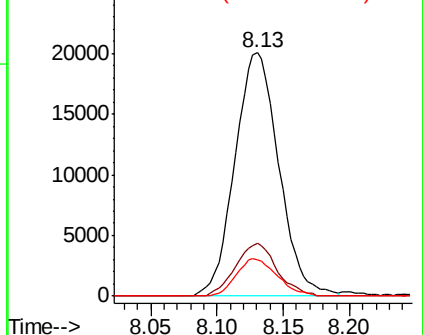
43 100

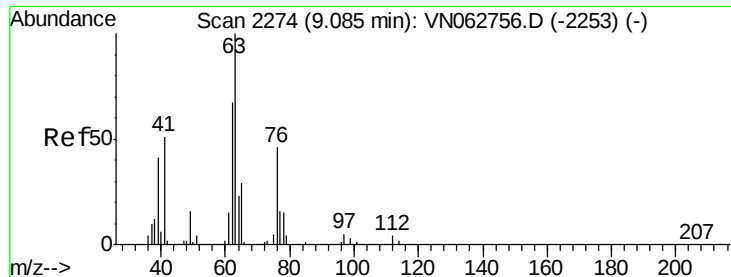
61 20.2 15.8 23.6

87 14.3 9.9 14.9



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





#45

1,2-Dichloropropane

Concen: 0.463 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

Instrument :

MSVOA_N

ClientSampled :

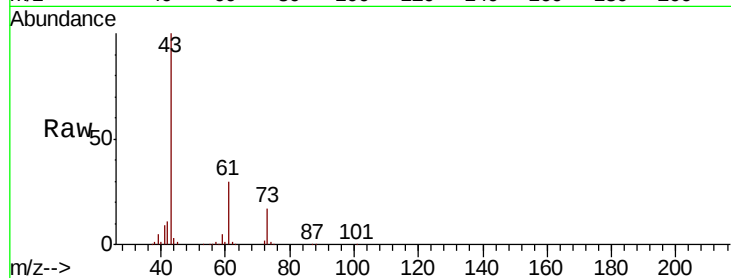
PB130829TB

Tot Ion: 63 Resp: 891

Ion Ratio Lower Upper

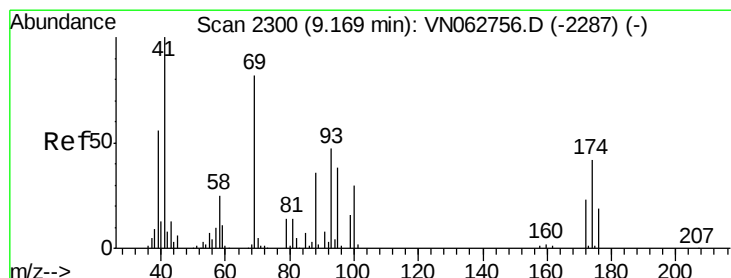
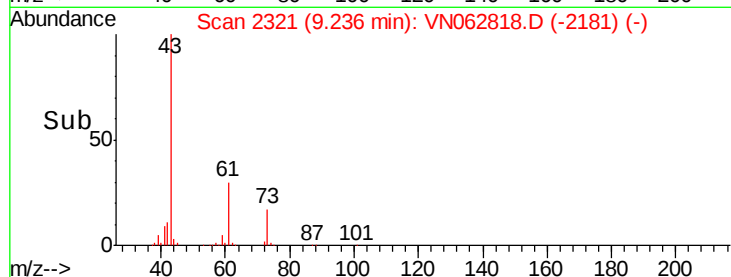
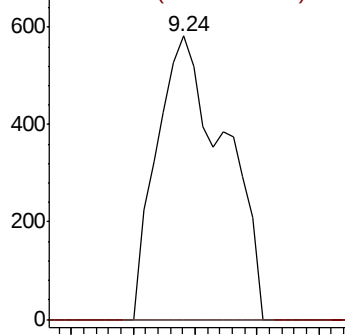
63 100

65 0.0 23.5 35.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.244 ug/l

RT: 9.15 min Scan# 2294

Delta R.T. -0.02 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

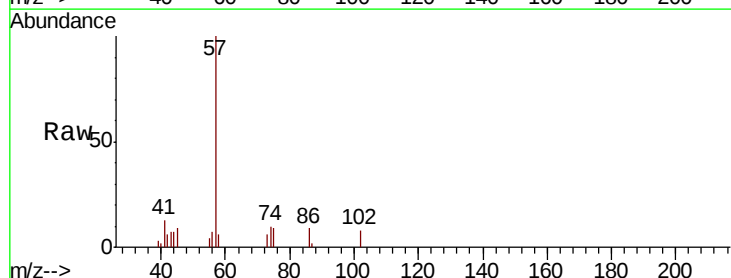
Tgt Ion: 41 Resp: 2538

Ion Ratio Lower Upper

41 100

69 0.0 67.4 101.2#

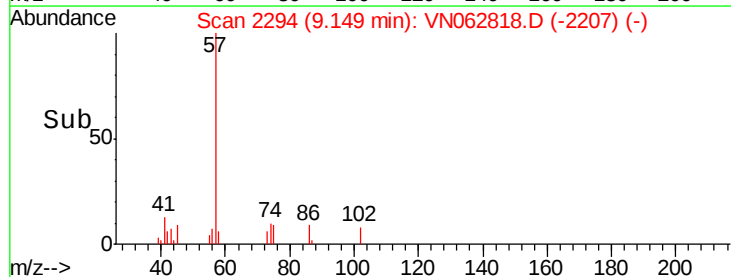
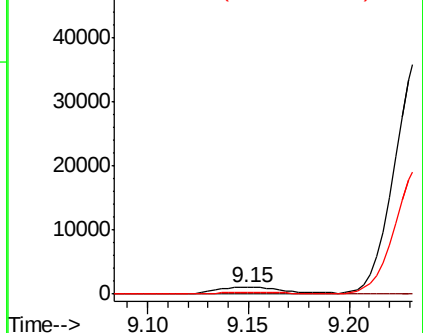
39 0.0 47.6 71.4#

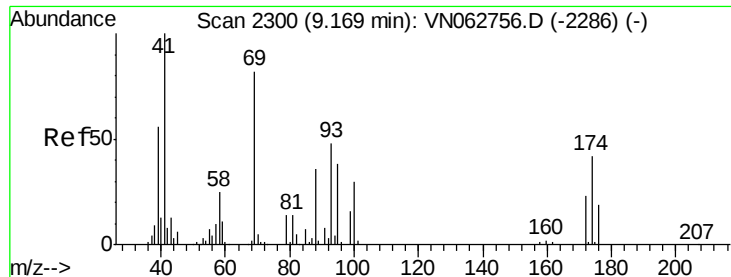


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1.799 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.07 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

PB130829TB

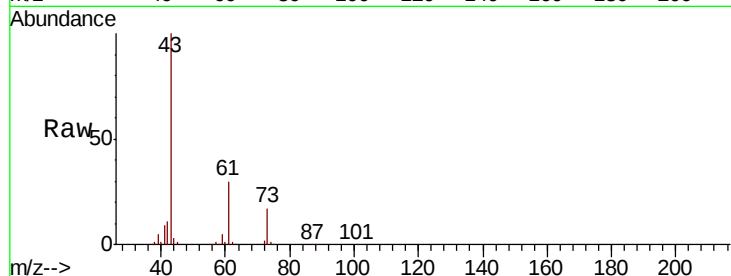
Tot Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 1174592.6 29.5 44.3#

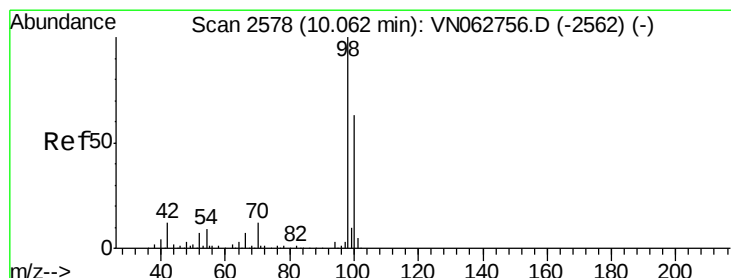
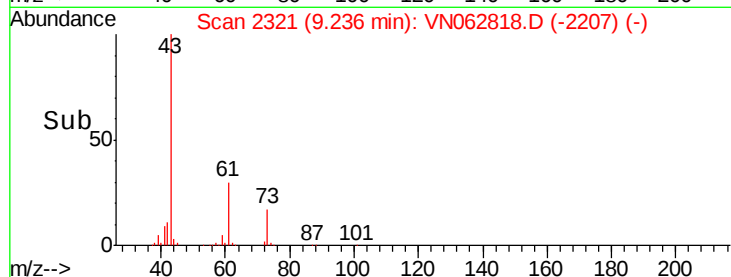
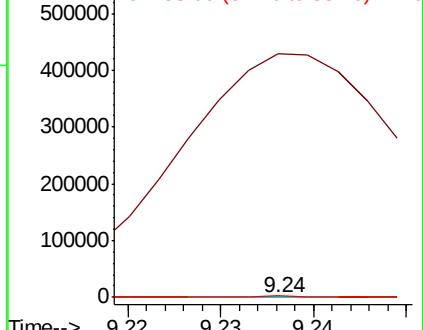
58 5292.6 59.8 89.8#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.976 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062818.D

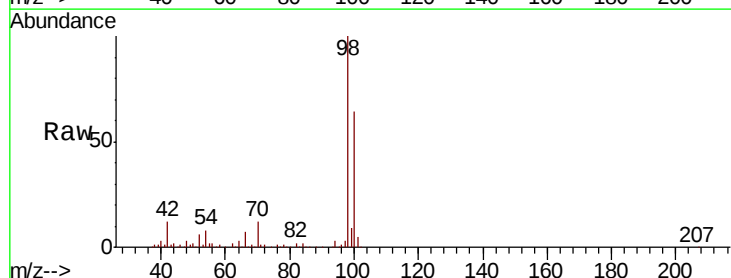
Acq: 10 Aug 2020 19:25

Tgt Ion: 98 Resp: 326341

Ion Ratio Lower Upper

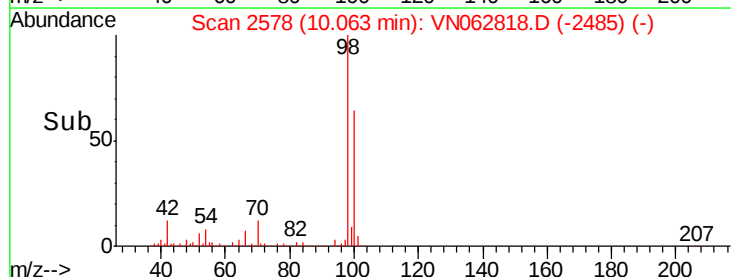
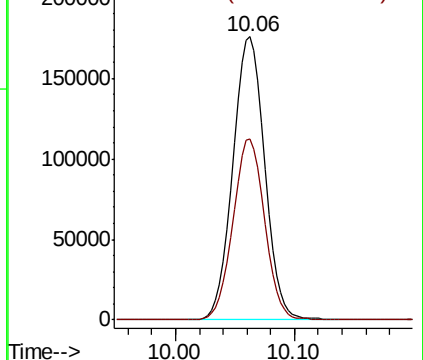
98 100

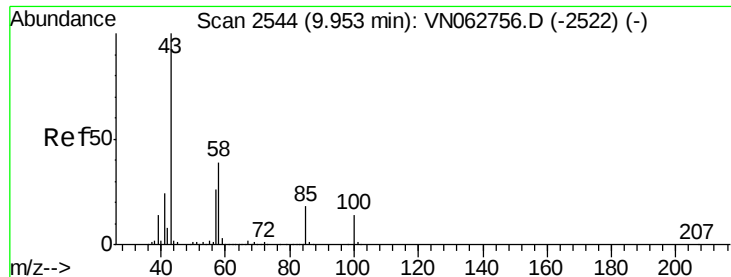
100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 2.197 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

Instrument :

MSVOA_N

ClientSampled :

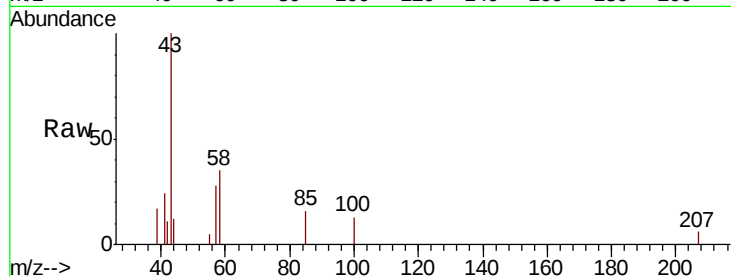
PB130829TB

Tot Ion: 43 Resp: 5898

Ion Ratio Lower Upper

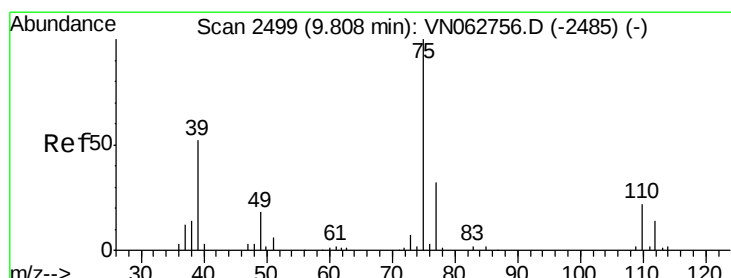
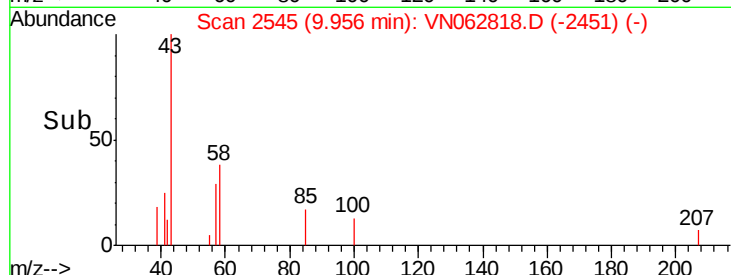
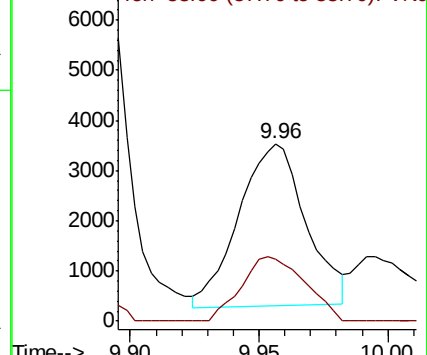
43 100

58 37.5 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-2522) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.566 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

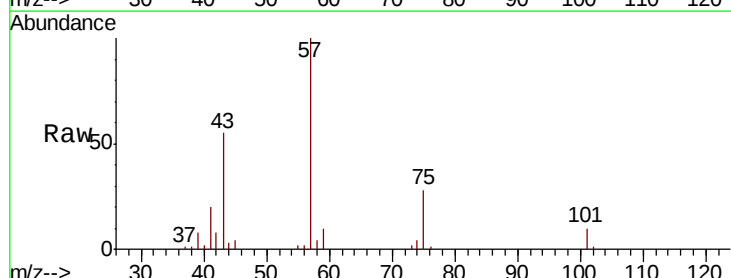
Tgt Ion: 75 Resp: 20520

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

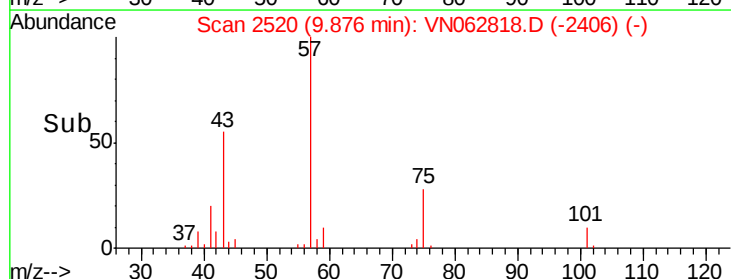
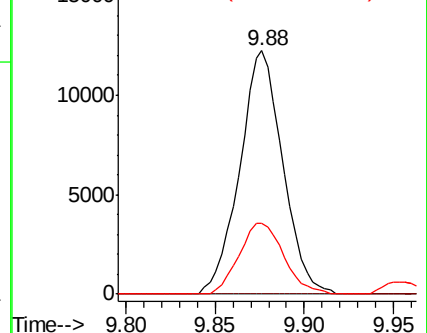
39 29.1 41.9 62.9#

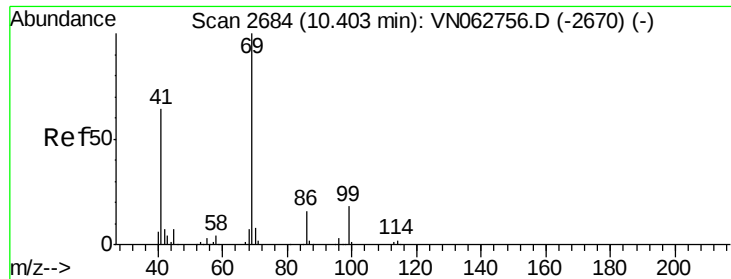


Abundance Ion 74.90 (74.60 to 75.60): VN062756.D (-2485) (-)

Ion 76.90 (76.60 to 77.60): VN062756.D (-2485) (-)

Ion 39.00 (38.70 to 39.70): VN062756.D (-2485) (-)





#56

Ethyl methacrylate

Concen: 0.268 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

PB130829TB

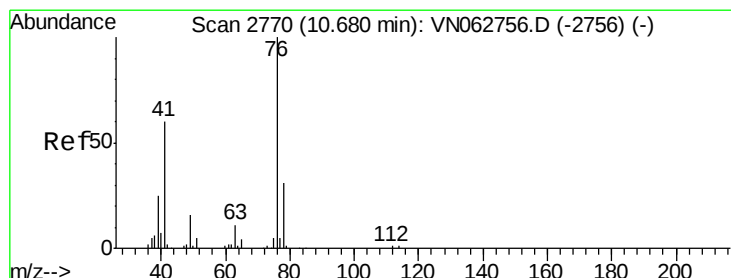
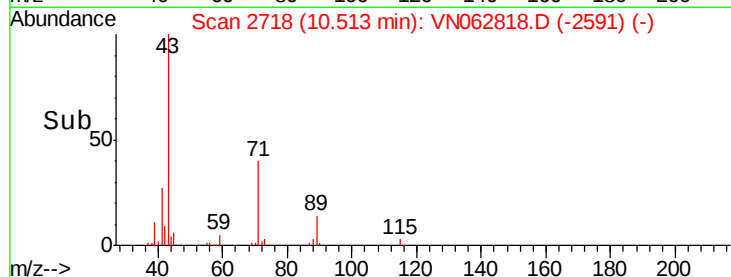
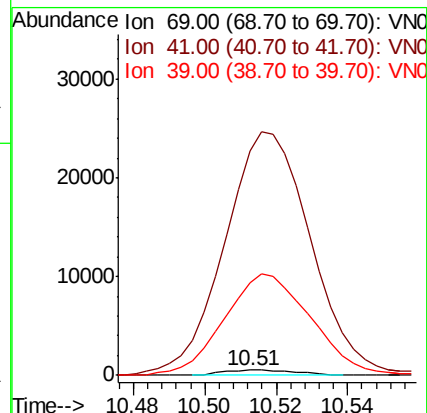
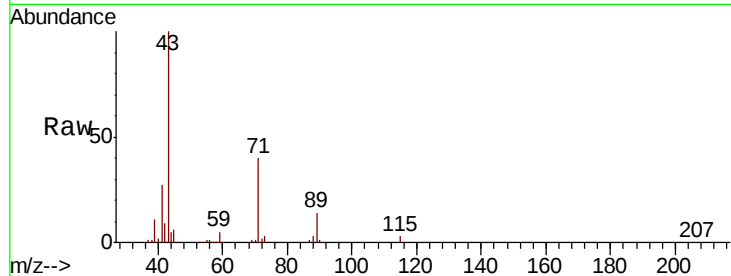
Tot Ion: 69 Resp: 756

Ion Ratio Lower Upper

69 100

41 5520.2 52.2 78.2#

39 2294.4 30.9 46.3#



#57

1,3-Dichloropropane

Concen: 1.127 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062818.D

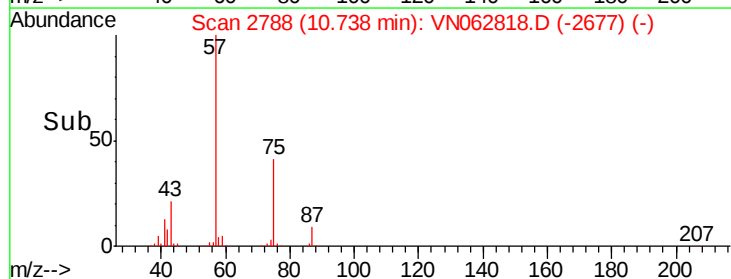
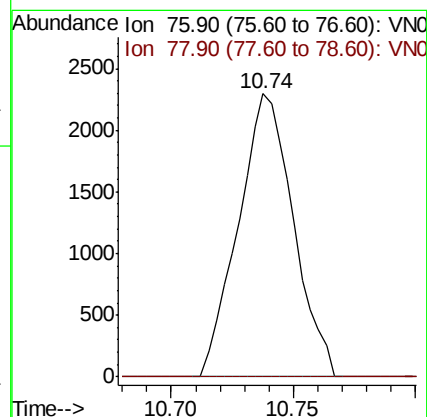
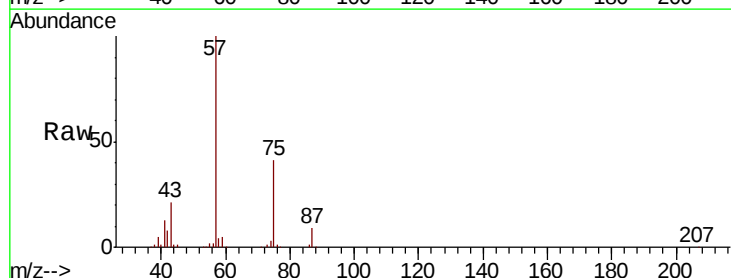
Acq: 10 Aug 2020 19:25

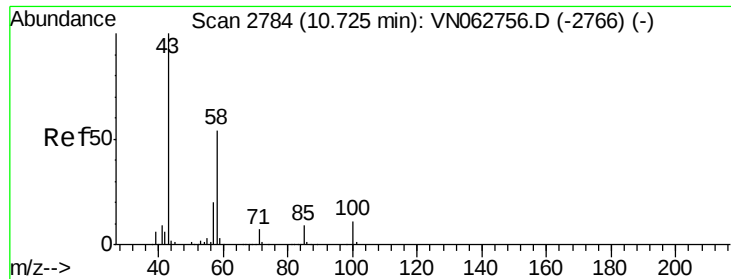
Tgt Ion: 76 Resp: 3586

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#

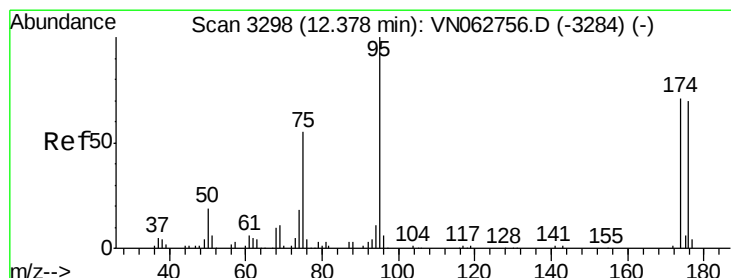
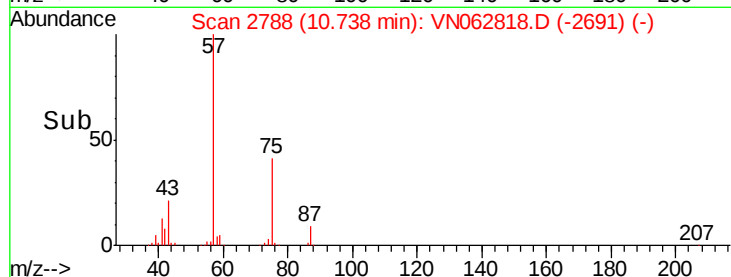
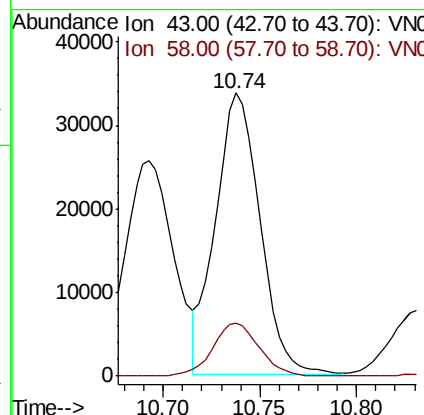
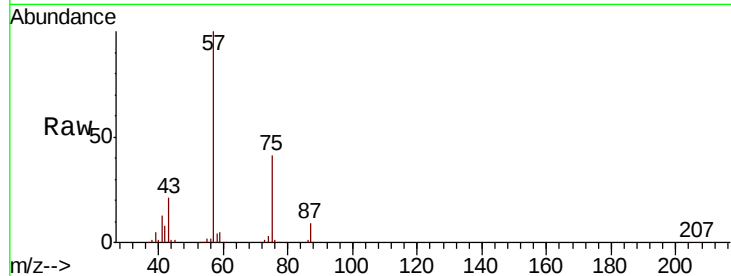




#59
2-Hexanone
Concen: 27.067 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.01 min
Lab File: VN062818.D
Acq: 10 Aug 2020 19:25

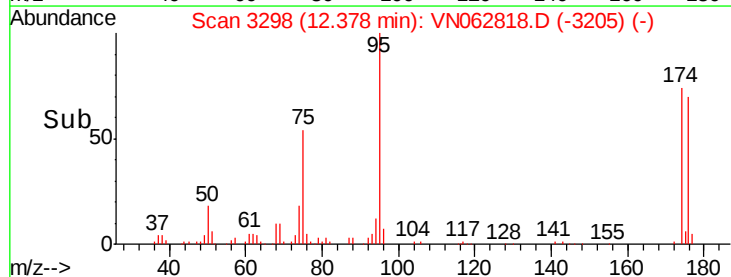
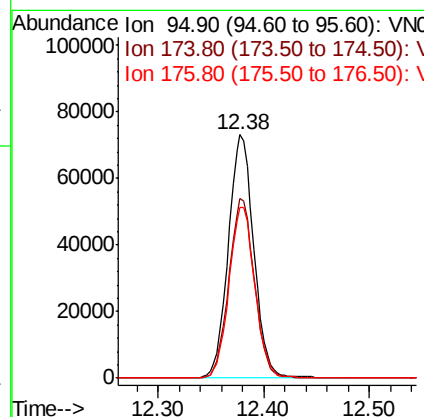
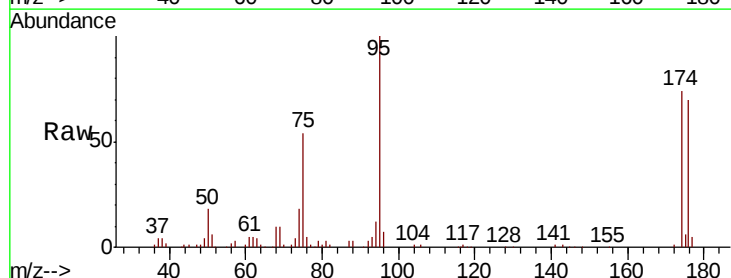
Instrument :
MSVOA_N
ClientSampled :
PB130829TB

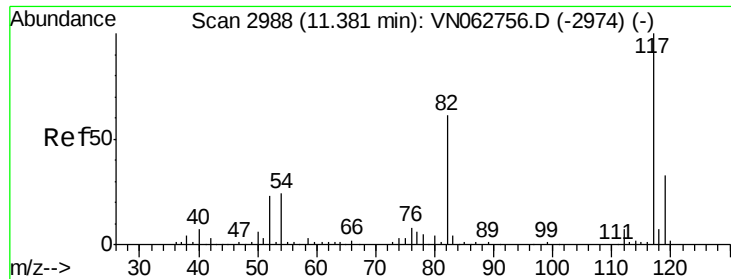
Tot Ion: 43 Resp: 54191
Ion Ratio Lower Upper
43 100
58 19.6 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 49.452 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062818.D
Acq: 10 Aug 2020 19:25

Tgt Ion: 95 Resp: 122032
Ion Ratio Lower Upper
95 100
174 74.0 0.0 144.8
176 71.0 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: VN062818.D

Acq: 10 Aug 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

PB130829TB

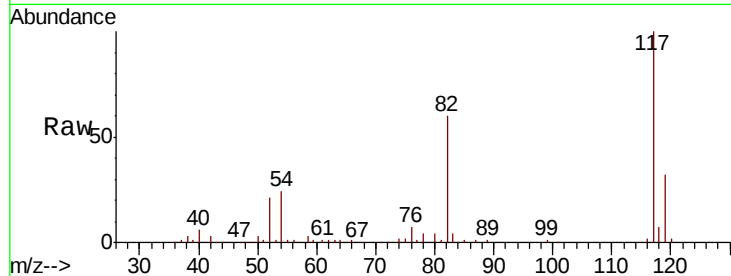
Tot Ion:117 Resp: 254094

Ion Ratio Lower Upper

117 100

82 59.7 49.0 73.4

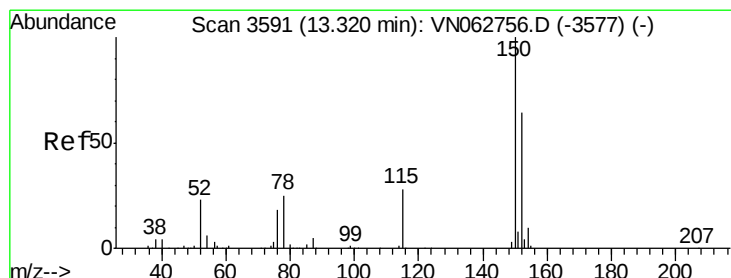
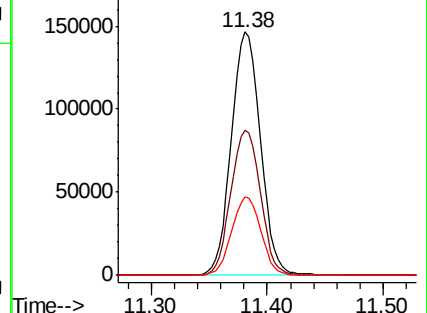
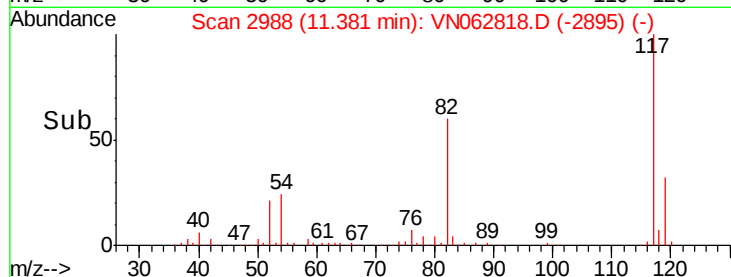
119 32.1 26.2 39.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

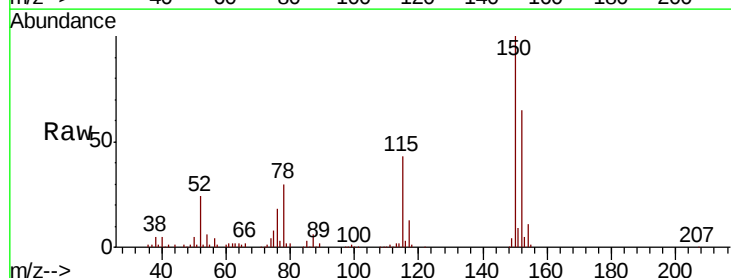
Tgt Ion:152 Resp: 94653

Ion Ratio Lower Upper

152 100

115 65.2 31.6 94.8

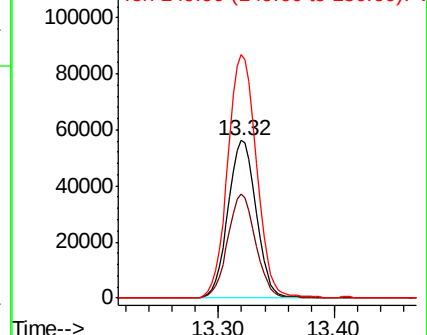
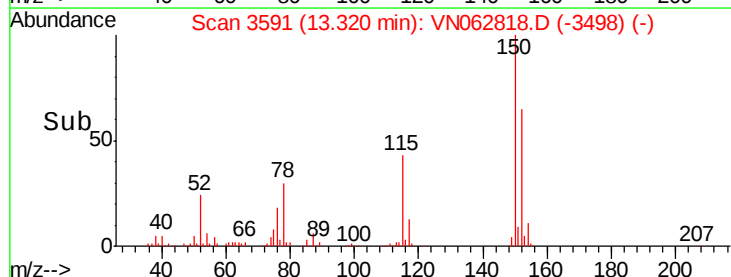
150 157.7 0.0 349.2

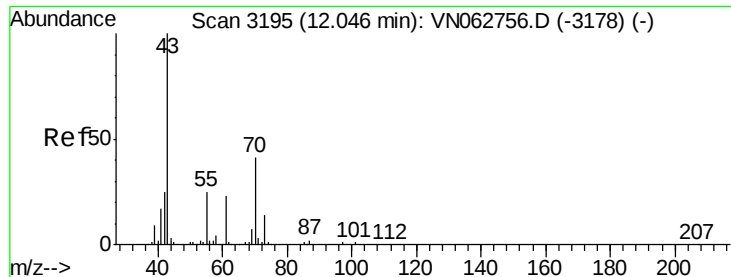


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.421 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

Instrument :

MSVOA_N

ClientSampled :

PB130829TB

Tot Ion: 43 Resp: 1215

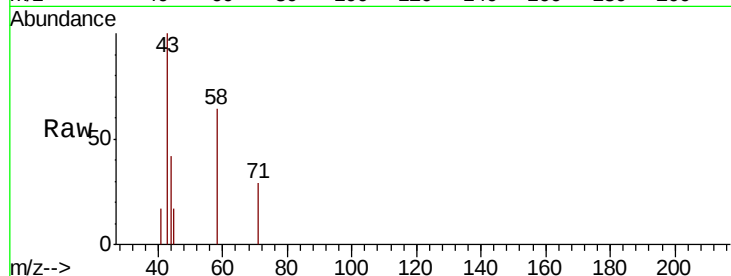
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#

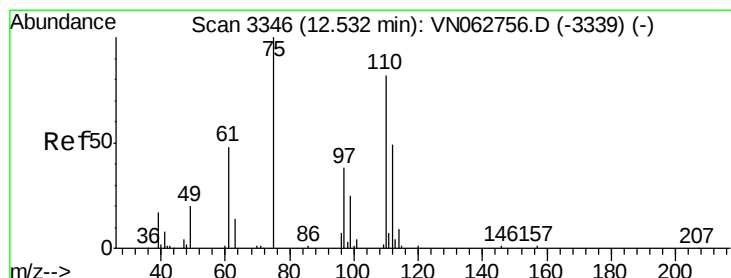
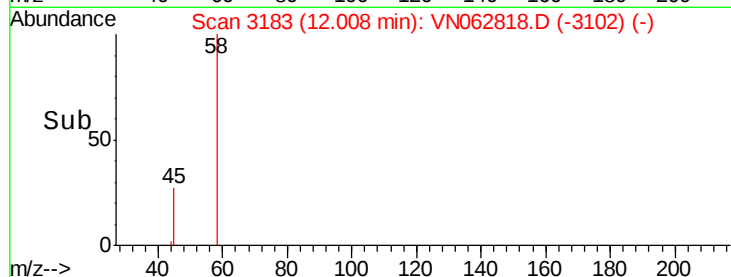
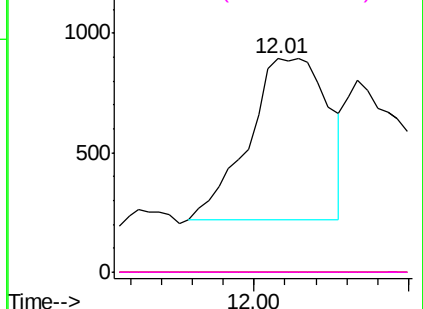


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 26.062 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062818.D

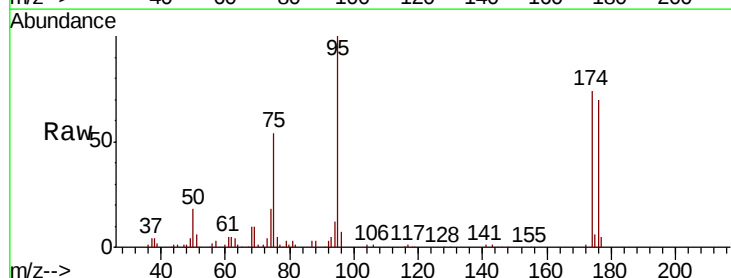
Acq: 10 Aug 2020 19:25

Tgt Ion: 75 Resp: 66529

Ion Ratio Lower Upper

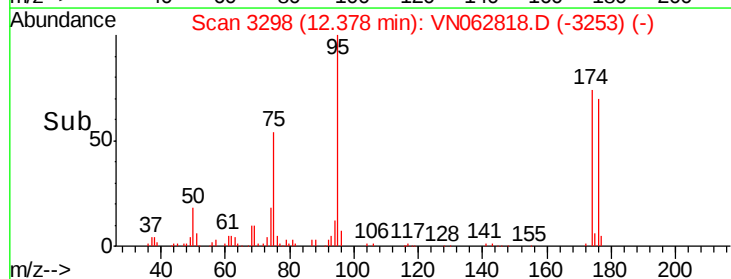
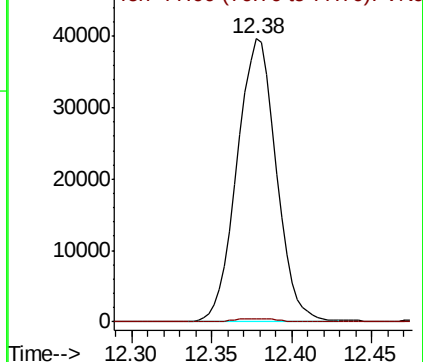
75 100

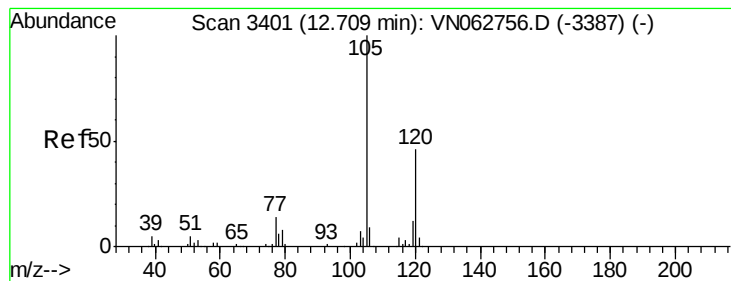
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.473 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

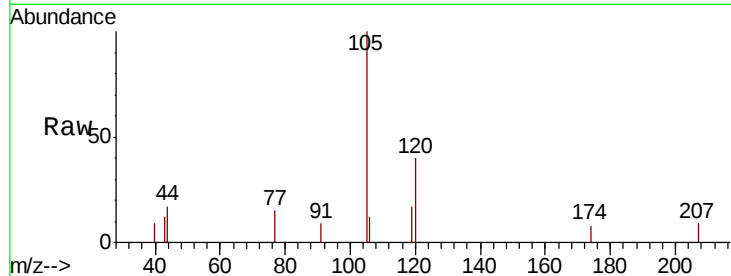
PB130829TB

Tot Ion:105 Resp: 2925

Ion Ratio Lower Upper

105 100

120 34.7 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.71

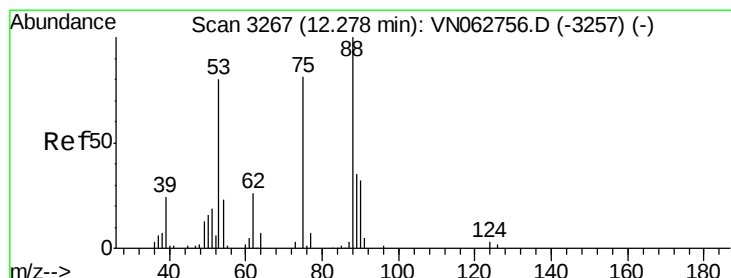
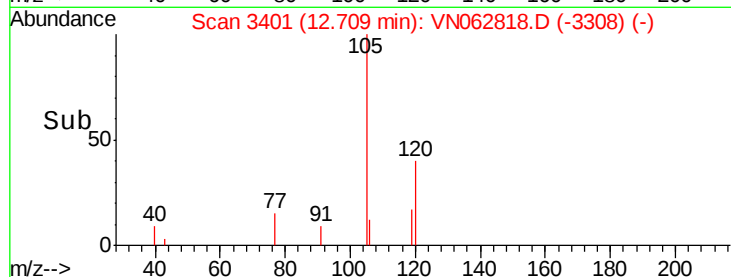
1500

1000

500

0

Time--> 12.65 12.70 12.75



#81

trans-1,4-Dichloro-2-butene

Concen: 79.561 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

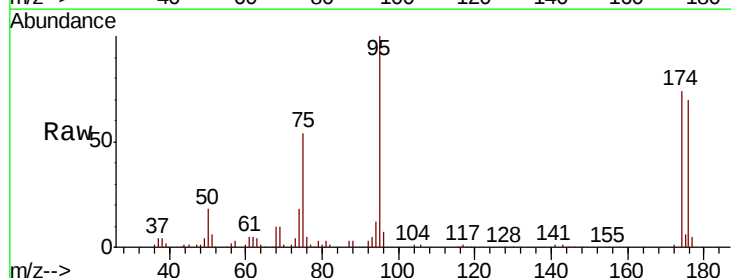
Tgt Ion: 75 Resp: 66529

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.38

50000

40000

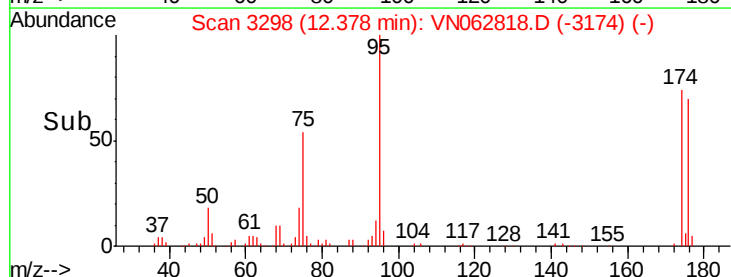
30000

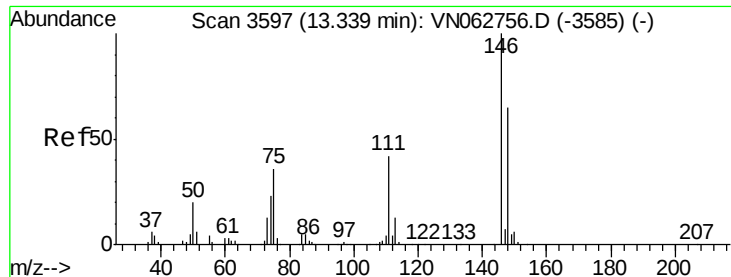
20000

10000

0

Time--> 12.30 12.35 12.40 12.45





#88

1,4-Dichlorobenzene

Concen: 0.201 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

Instrument :

MSVOA_N

ClientSampled :

PB130829TB

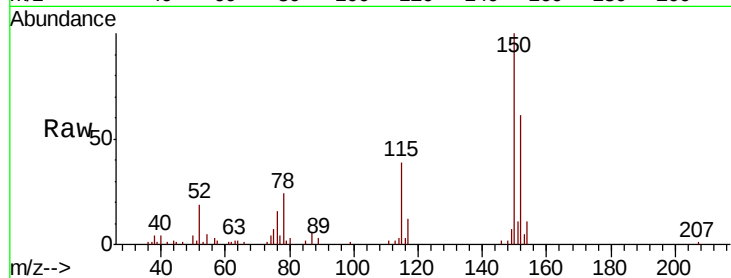
Tot Ion:146 Resp: 639

Ion Ratio Lower Upper

146 100

111 0.0 21.6 64.6#

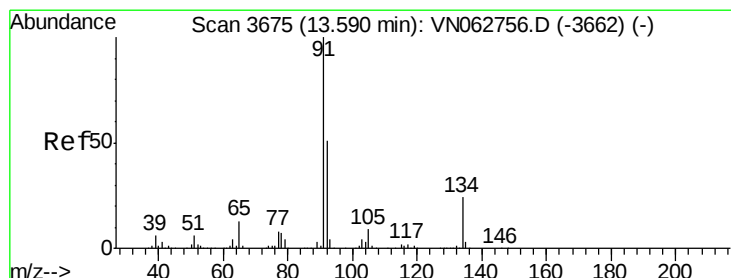
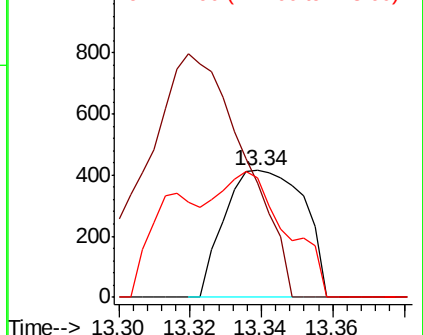
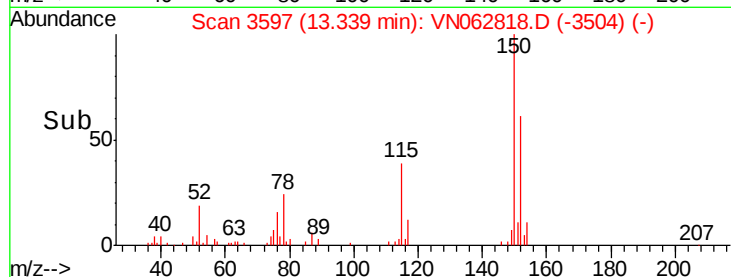
148 78.7 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.243 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

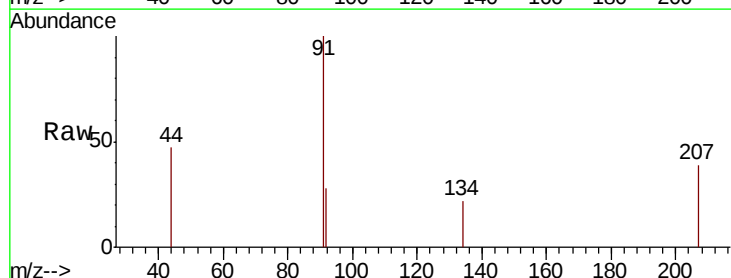
Tgt Ion: 91 Resp: 1252

Ion Ratio Lower Upper

91 100

92 18.1 25.7 77.0#

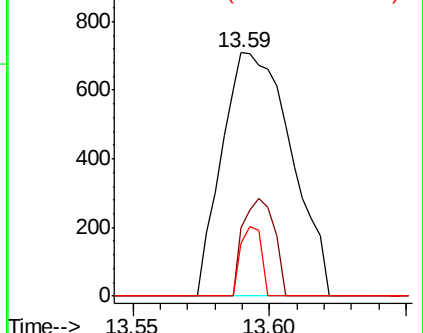
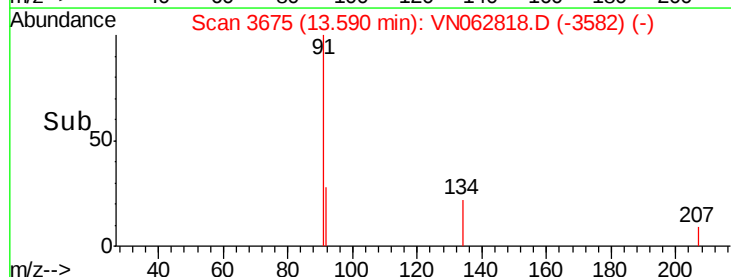
134 8.5 12.2 36.6#

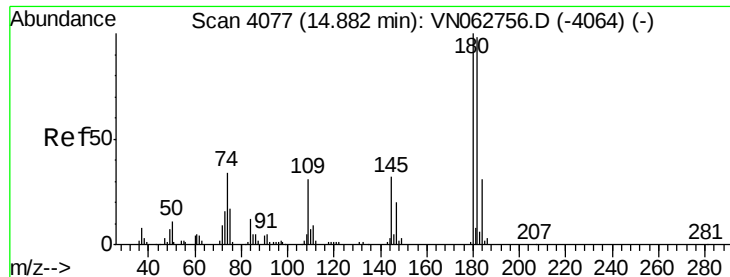


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

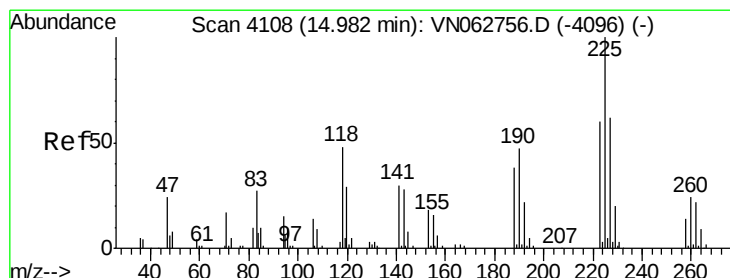
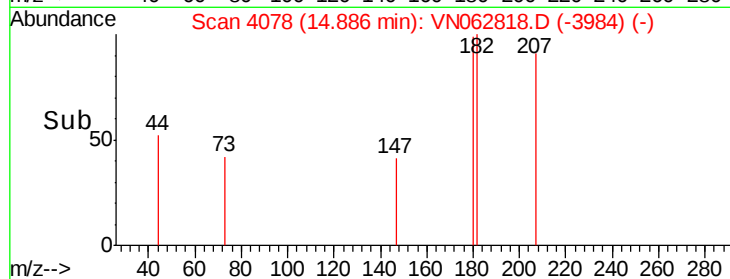
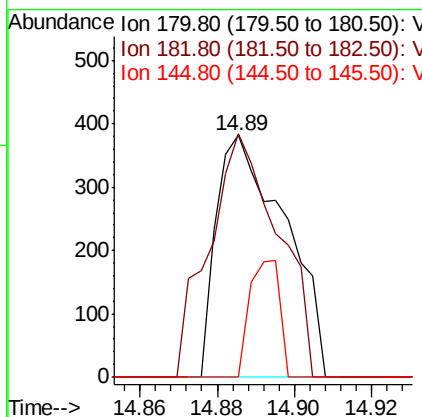
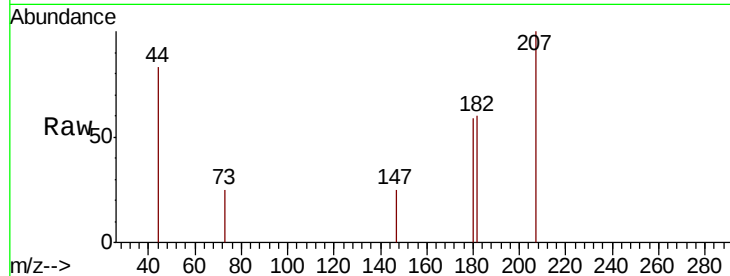




#93
 1,2,4-Trichlorobenzene
 Concen: 3.598 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062818.D
 Acq: 10 Aug 2020 19:25

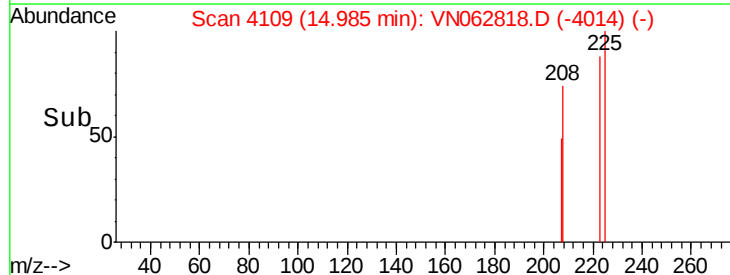
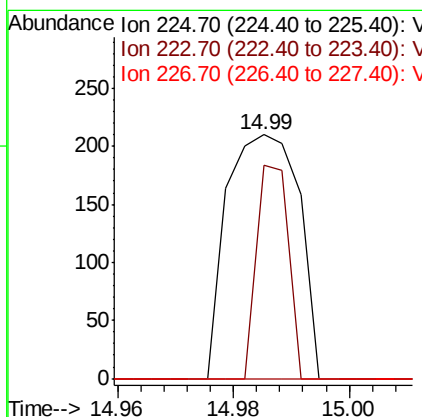
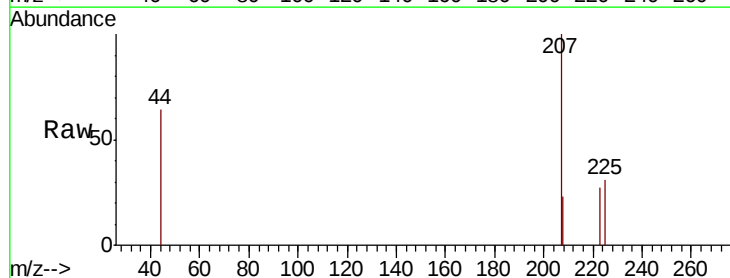
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130829TB

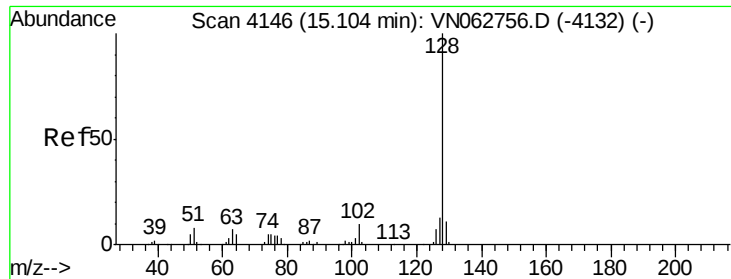
Tot Ion:180 Resp: 470
 Ion Ratio Lower Upper
 180 100
 182 101.1 49.1 147.4
 145 21.3 16.3 48.8



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062818.D
 Acq: 10 Aug 2020 19:25

Tgt Ion:225 Resp: 180
 Ion Ratio Lower Upper
 225 100
 223 38.9 30.6 92.0
 227 0.0 31.6 95.0#





#95

Naphthalene

Concen: 4.333 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

Instrument :

MSVOA_N

ClientSampled :

PB130829TB

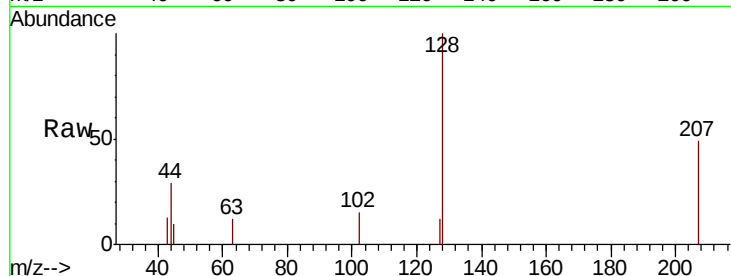
Tot Ion:128 Resp: 2936

Ion Ratio Lower Upper

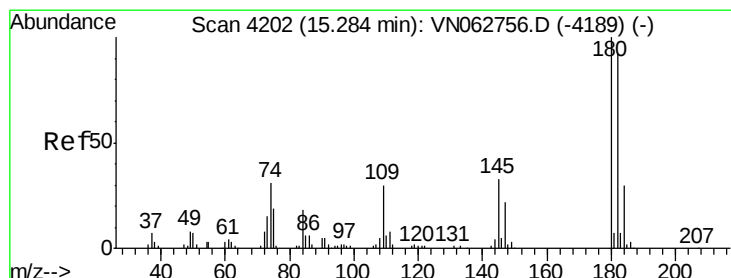
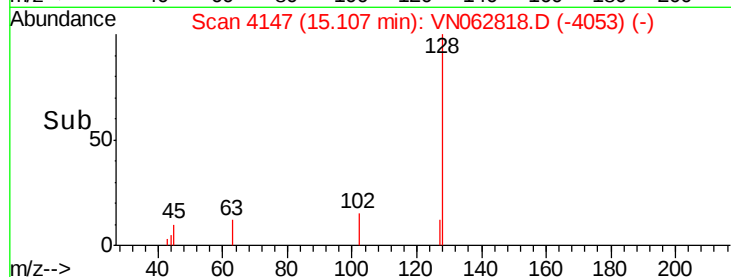
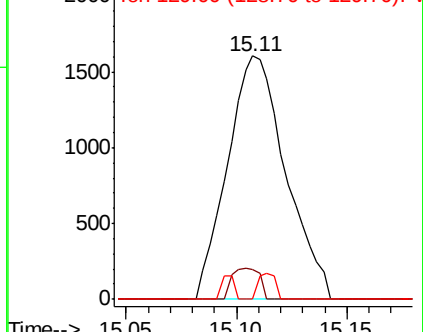
128 100

127 6.1 10.8 16.2#

129 3.2 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: 3.191 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.01 min

Lab File: VN062818.D

Acq: 10 Aug 2020 19:25

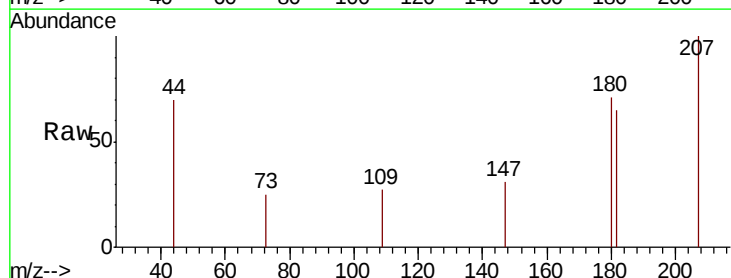
Tgt Ion:180 Resp: 748

Ion Ratio Lower Upper

180 100

182 97.6 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

