

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062686.D
 Acq On : 31 Jul 2020 15:30
 Operator : JC/MD
 Sample : PB130640ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#09

Quant Time: Aug 01 06:05:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	128686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	239721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	240569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	85807	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	112503	56.28	ug/l	0.00
Spiked Amount			Recovery	=	112.56%	
35) Dibromofluoromethane	7.55	113	78408	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
50) Toluene-d8	10.06	98	312257	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.38	95	111027	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	

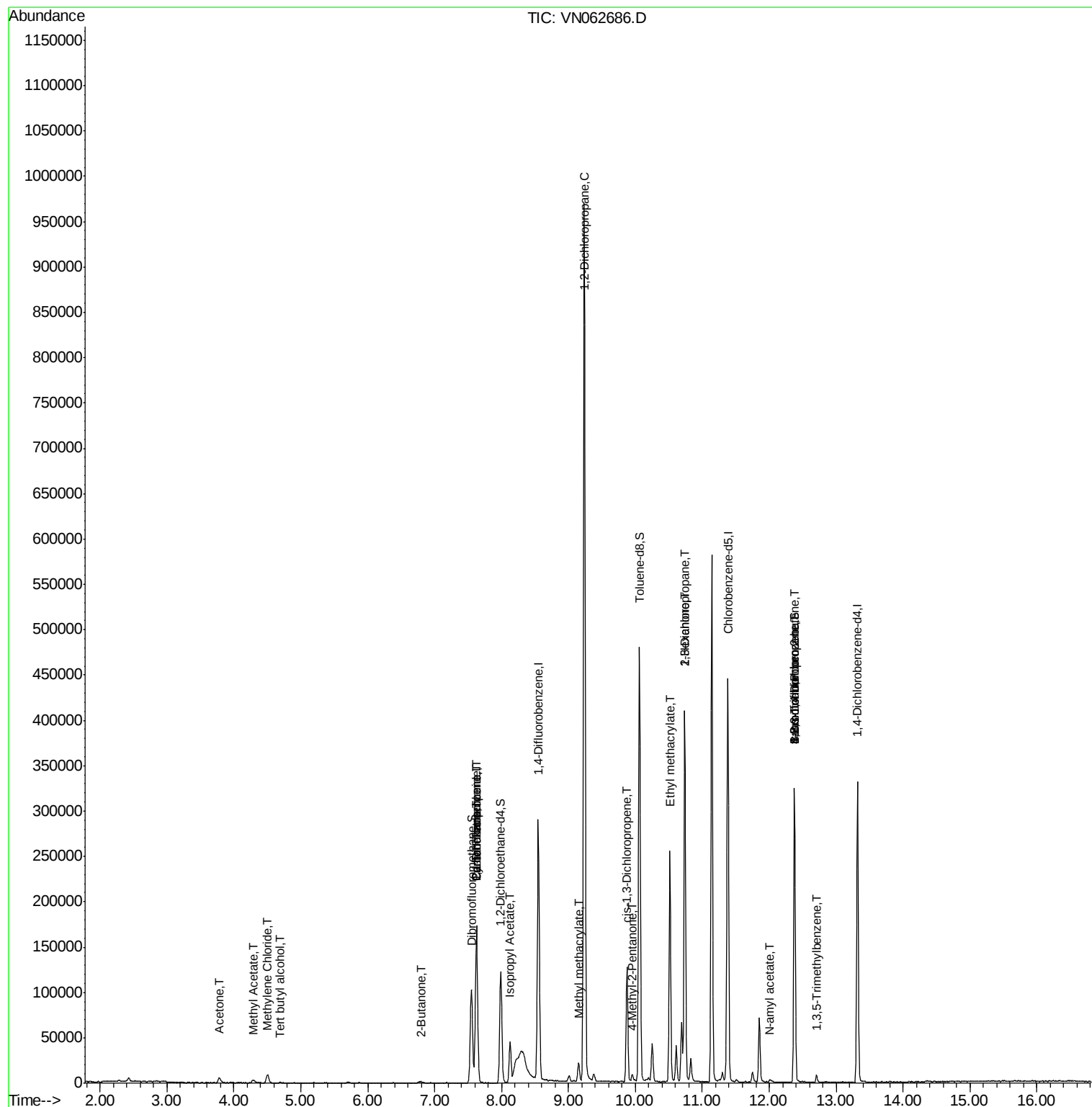
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.68	59	136	0.428	ug/l #	73
16) Acetone	3.78	43	5179	6.885	ug/l	94
18) Methyl Acetate	4.29	43	7297	3.832	ug/l #	61
20) Methylene Chloride	4.50	84	6122	3.393	ug/l	98
25) 2-Butanone	6.79	43	708	0.618	ug/l #	52
31) Cyclohexane	7.63	56	3295	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11291	4.419	ug/l #	46
38) Carbon Tetrachloride	7.62	117	13259	5.398	ug/l #	18
43) Isopropyl Acetate	8.13	43	50797	11.440	ug/l #	91
45) 1,2-Dichloropropane	9.23	63	1086	0.500	ug/l #	44
48) Methyl methacrylate	9.15	41	2986	1.415	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	5446	2.050	ug/l	96
54) cis-1,3-Dichloropropene	9.88	75	21164	6.515	ug/l #	69
56) Ethyl methacrylate	10.52	69	1101	2.108	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	4103	1.285	ug/l #	42
59) 2-Hexanone	10.74	43	58963	31.317	ug/l #	53
71) Bromoform	12.37	173	693	0.486	ug/l #	1
74) N-amyl acetate	12.01	43	1705	0.563	ug/l #	48
76) 1,2,3-Trichloropropane	12.38	75	63355	29.007	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4498	0.799	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	63355	80.750	ug/l #	12

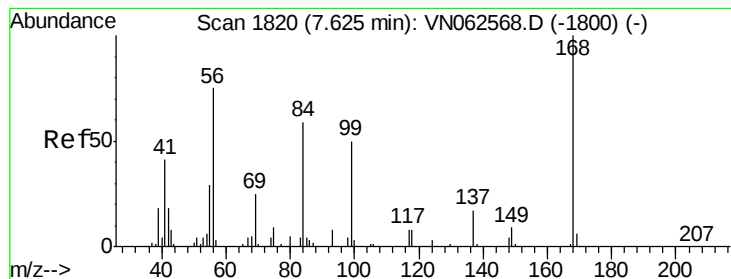
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062686.D

Acq: 31 Jul 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

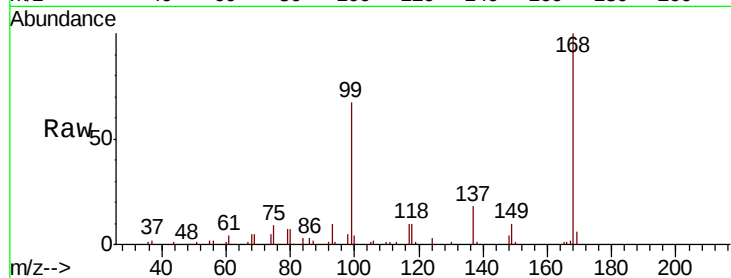
PB130640ZHE#09

Tot Ion:168 Resp: 128686

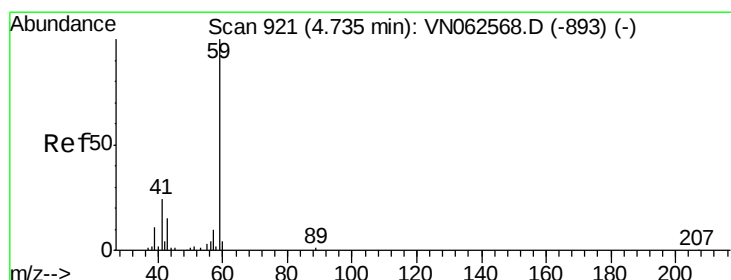
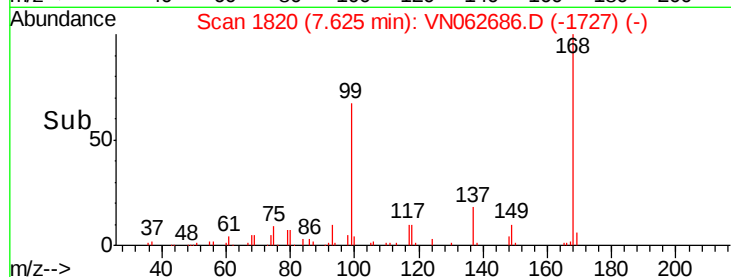
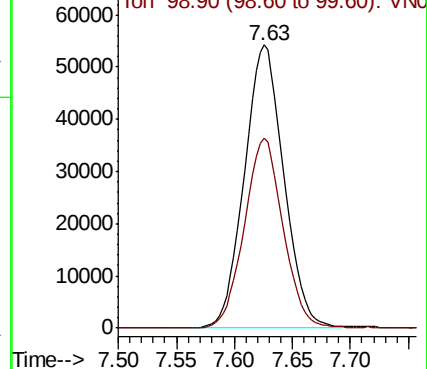
Ion Ratio Lower Upper

168 100

99 67.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VN062686.D (-1727) (-)



#11

Tert butyl alcohol

Concen: 0.428 ug/l

RT: 4.68 min Scan# 905

Delta R.T. -0.05 min

Lab File: VN062686.D

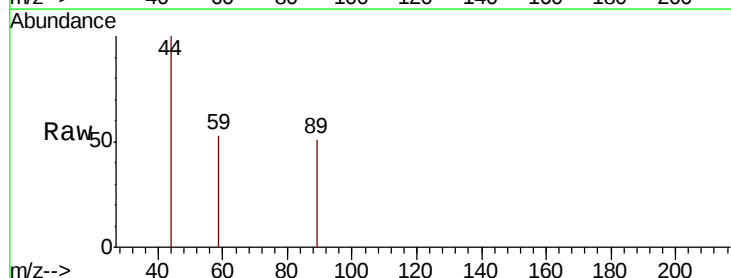
Acq: 31 Jul 2020 15:30

Tgt Ion: 59 Resp: 136

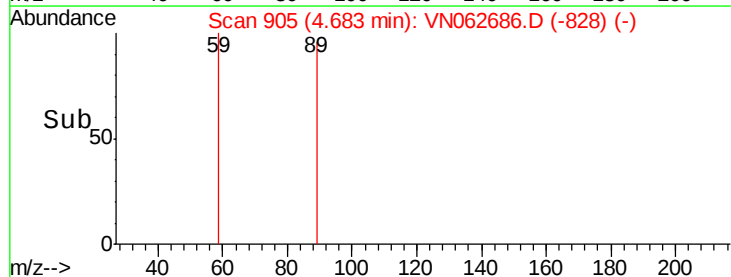
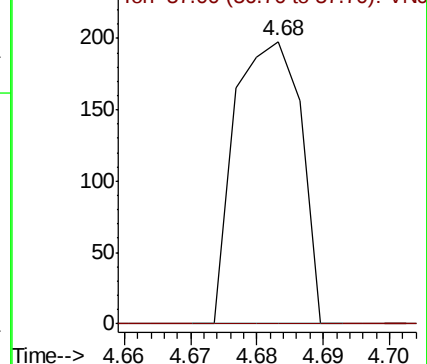
Ion Ratio Lower Upper

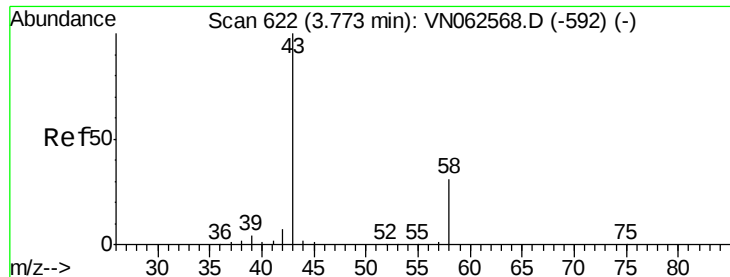
59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN062686.D (-828) (-)





#16

Acetone

Concen: 6.885 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062686.D

Acq: 31 Jul 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

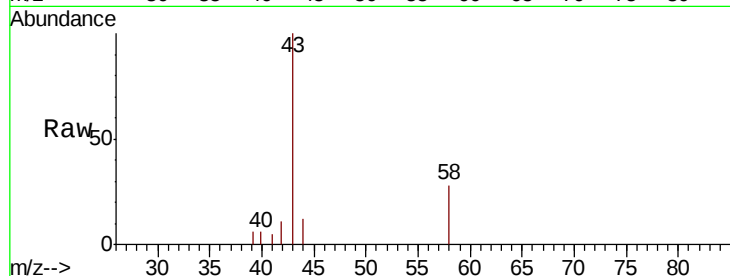
PB130640ZHE#09

Tot Ion: 43 Resp: 5179

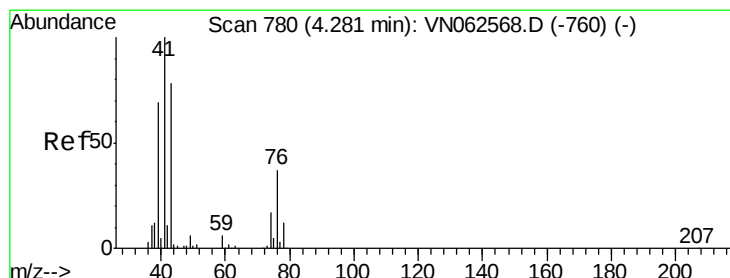
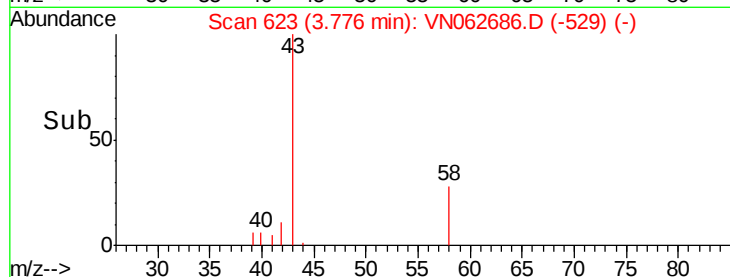
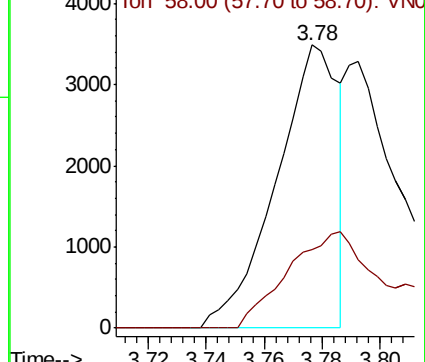
Ion Ratio Lower Upper

43 100

58 27.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN062686.D (-529) (-)



#18

Methyl Acetate

Concen: 3.832 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN062686.D

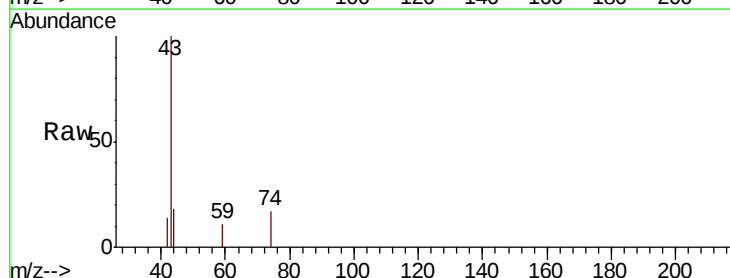
Acq: 31 Jul 2020 15:30

Tgt Ion: 43 Resp: 7297

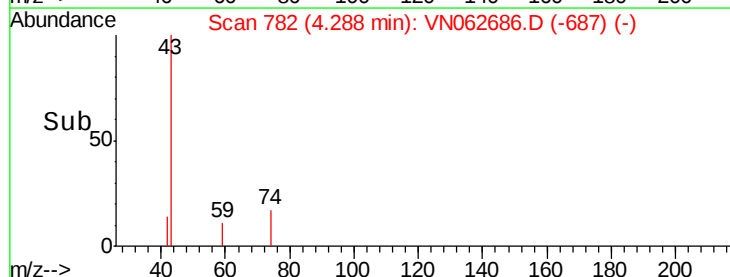
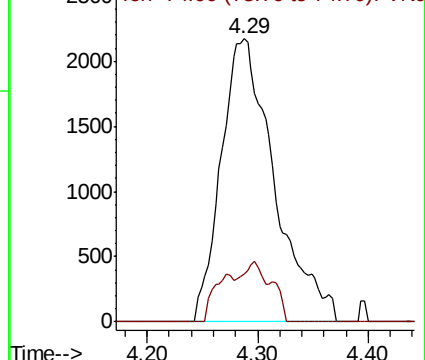
Ion Ratio Lower Upper

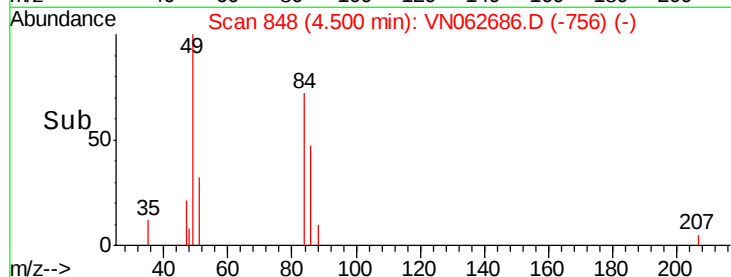
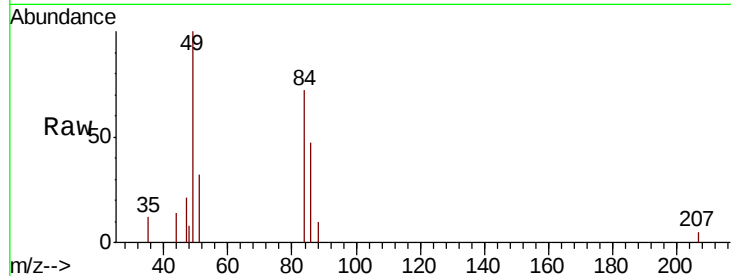
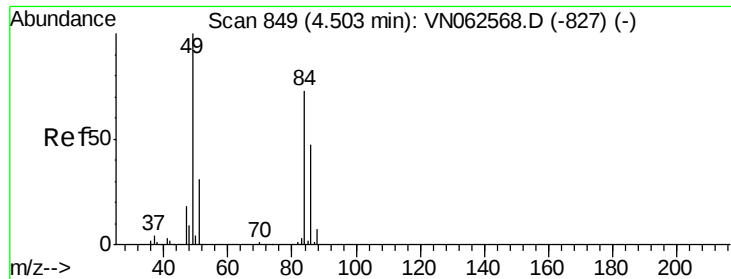
43 100

74 2.7 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN062686.D (-687) (-)

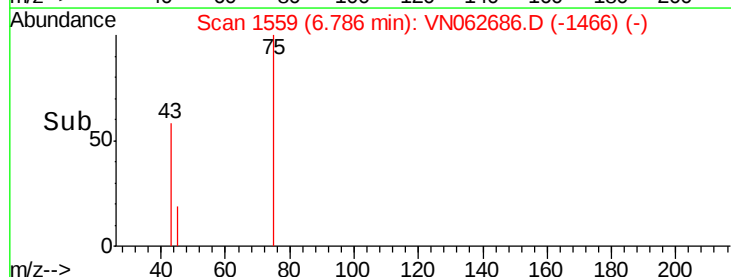
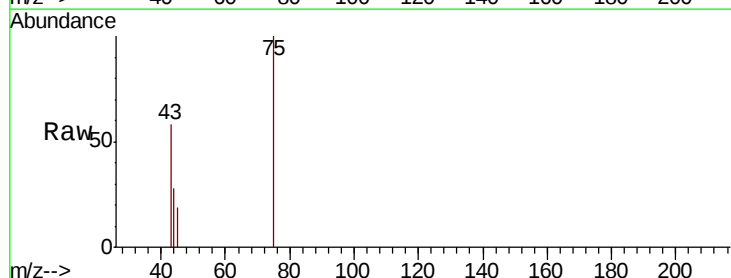
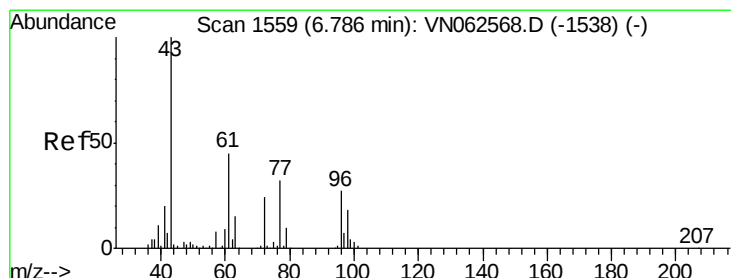
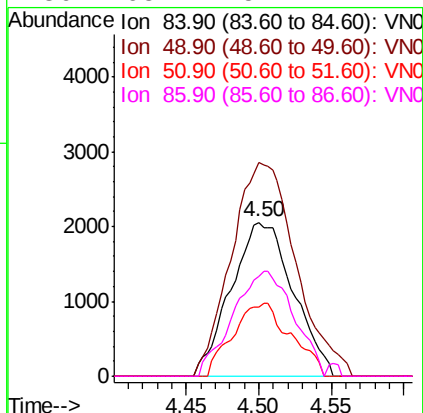




#20
Methvlene Chloride
Concen: 3.393 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062686.D
Acq: 31 Jul 2020 15:30

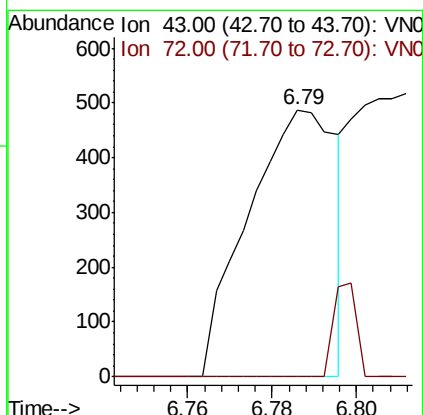
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#09

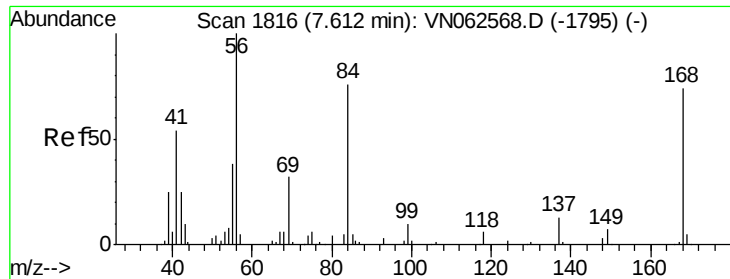
Tot Ion: 84 Resp: 6122
Ion Ratio Lower Upper
84 100
49 138.5 109.4 164.0
51 44.7 33.6 50.4
86 65.2 51.4 77.2



#25
2-Butanone
Concen: 0.618 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062686.D
Acq: 31 Jul 2020 15:30

Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#

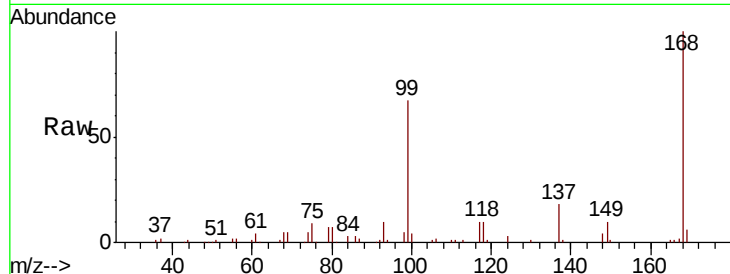




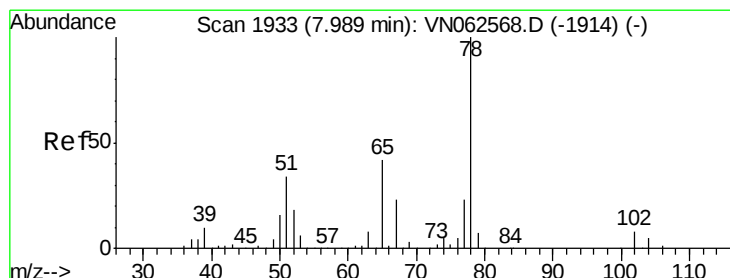
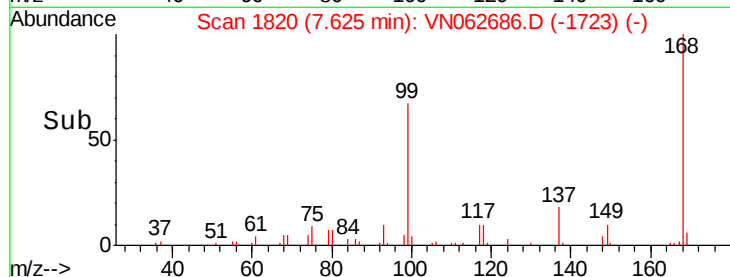
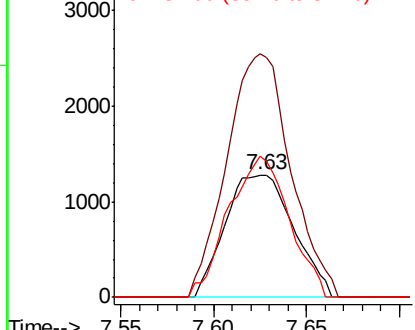
#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062686.D
Acq: 31 Jul 2020 15:30

Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#09

Tot Ion: 56 Resp: 3295
Ion Ratio Lower Upper
56 100
69 199.0 25.3 37.9#
84 115.3 61.0 91.4#

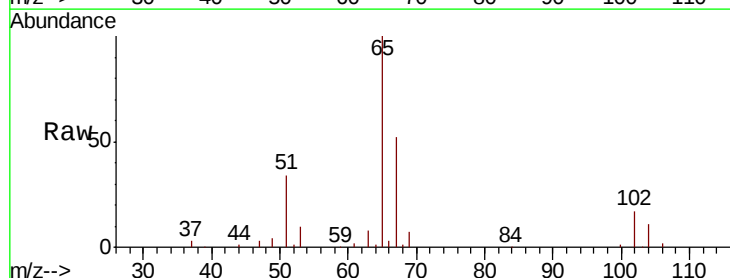


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

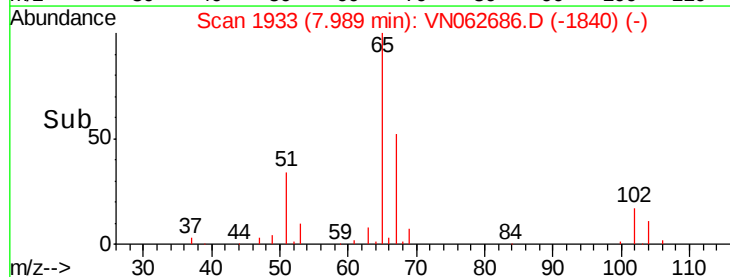
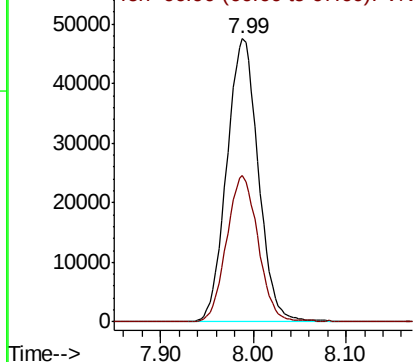


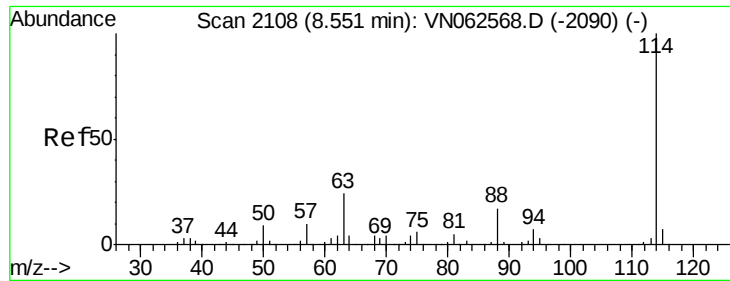
#33
1,2-Dichloroethane-d4
Concen: 56.278 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062686.D
Acq: 31 Jul 2020 15:30

Tgt Ion: 65 Resp: 112503
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

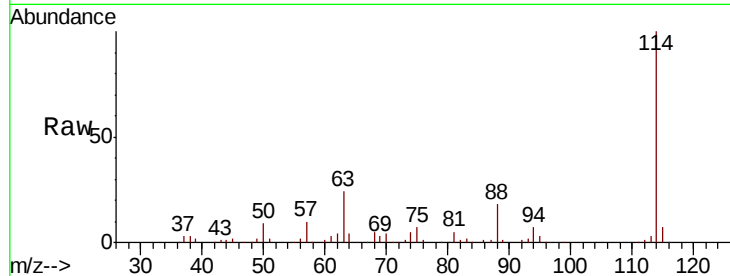




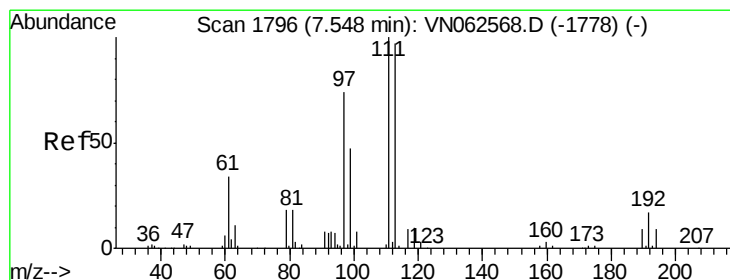
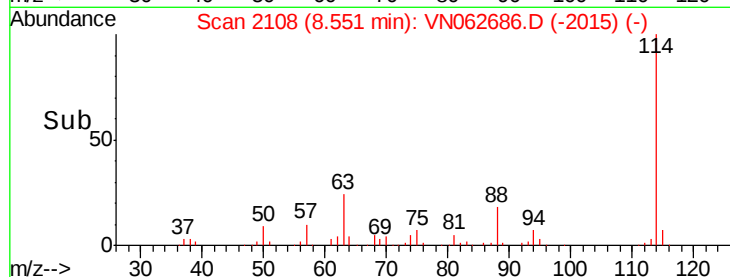
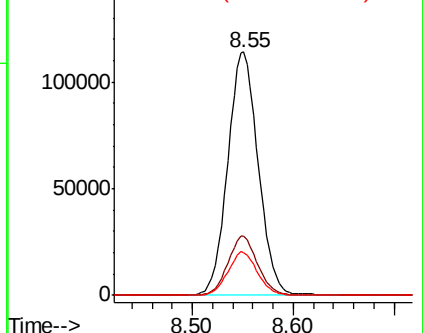
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062686.D
 Acq: 31 Jul 2020 15:30

Instrument :
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 PB130640ZHE#09

Tot Ion:114 Resp: 239721
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 48.4
 88 17.5 0.0 33.8

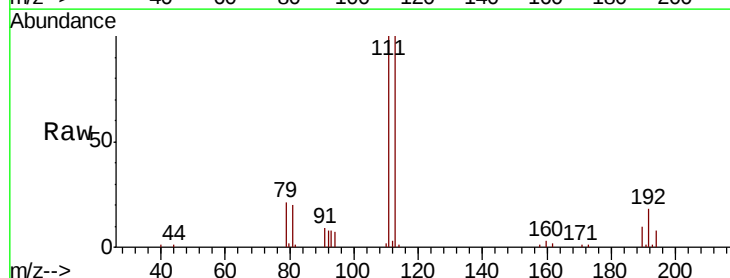


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

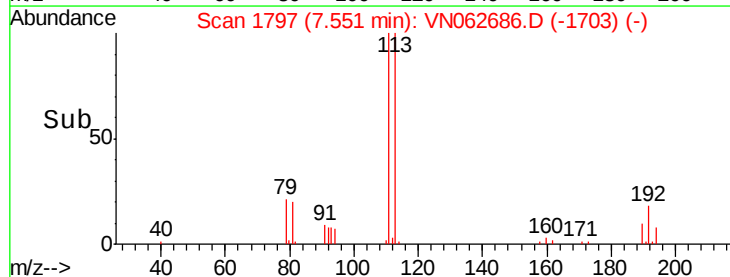
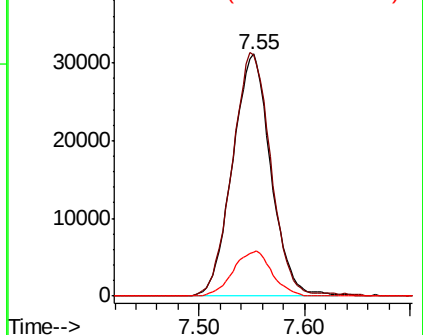


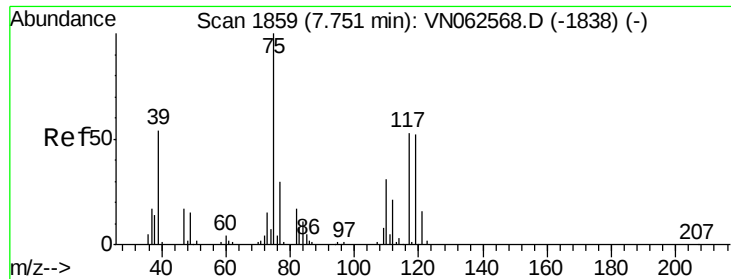
#35
 Dibromofluoromethane
 Concen: 49.795 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062686.D
 Acq: 31 Jul 2020 15:30

Tgt Ion:113 Resp: 78408
 Ion Ratio Lower Upper
 113 100
 111 100.8 82.7 124.1
 192 18.7 14.8 22.2



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

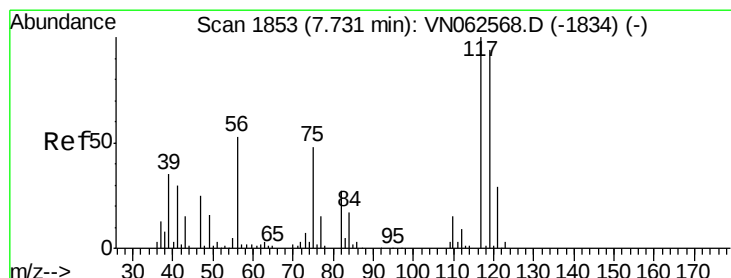
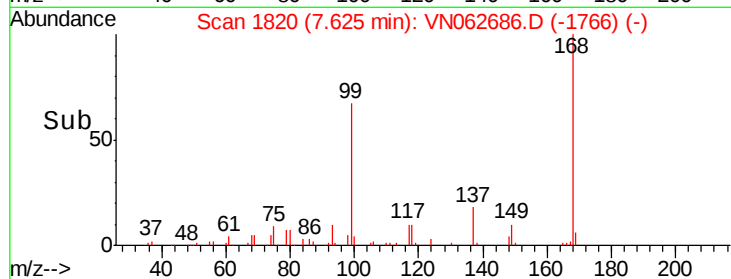
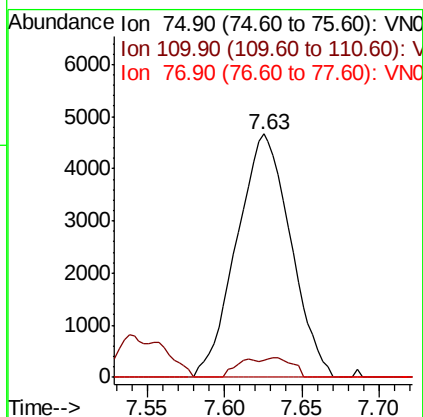
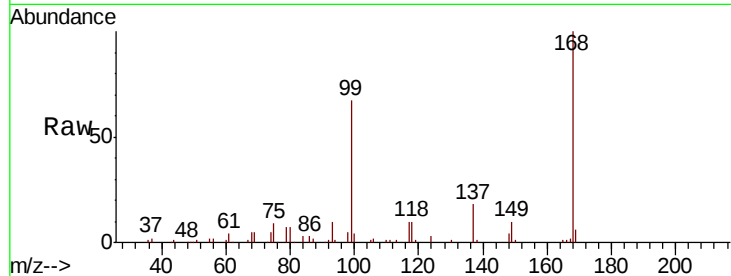




#36
 1,1-Dichloropropene
 Concen: 4.419 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062686.D
 Acq: 31 Jul 2020 15:30

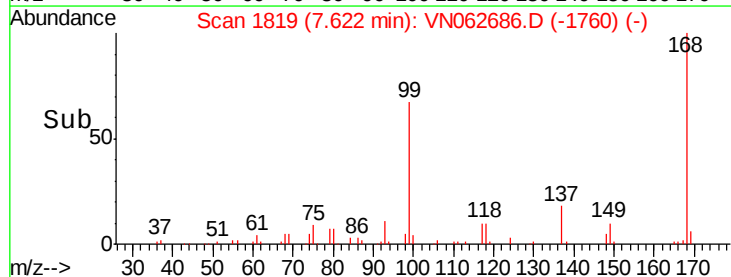
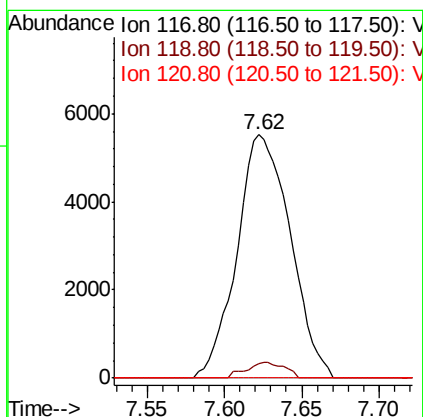
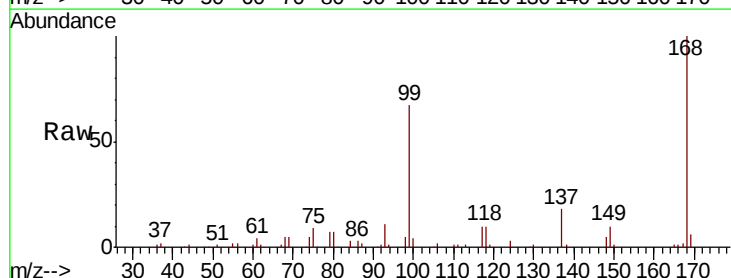
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#09

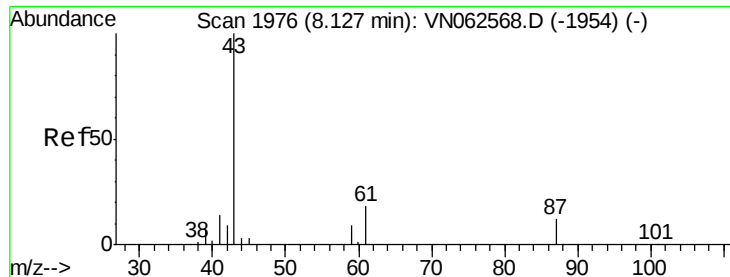
Tot Ion	Ratio	Lower	Upper
75	100		
110	3.3	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.398 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062686.D
 Acq: 31 Jul 2020 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 11.440 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062686.D

Acq: 31 Jul 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#09

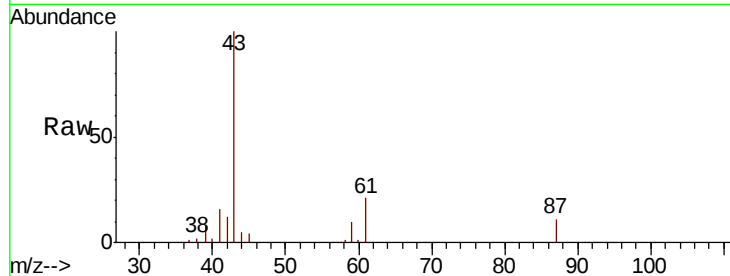
Tot Ion: 43 Resp: 50797

Ion Ratio Lower Upper

43 100

61 19.9 20.8 31.2#

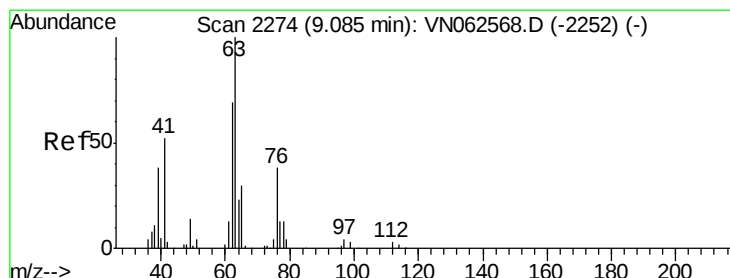
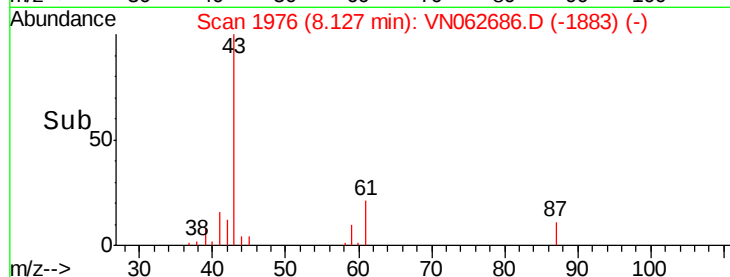
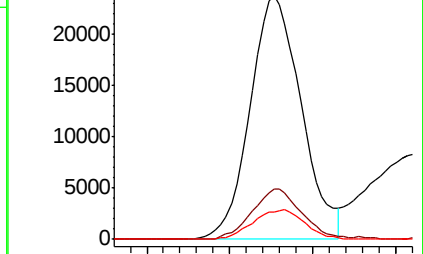
87 12.2 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062686.D (-1954) (-)

Ion 61.00 (60.70 to 61.70): VN062686.D (-1954) (-)

Ion 87.00 (86.70 to 87.70): VN062686.D (-1954) (-)



#45

1,2-Dichloropropane

Concen: 0.500 ug/l

RT: 9.23 min Scan# 2319

Delta R.T. 0.14 min

Lab File: VN062686.D

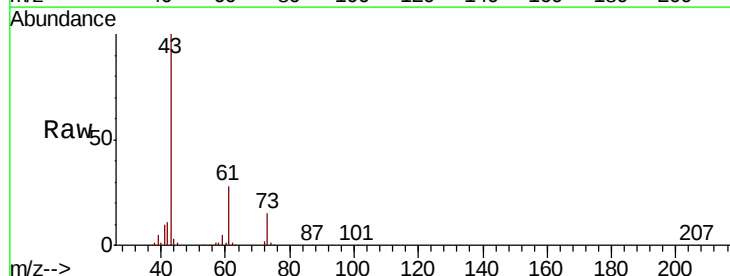
Acq: 31 Jul 2020 15:30

Tgt Ion: 63 Resp: 1086

Ion Ratio Lower Upper

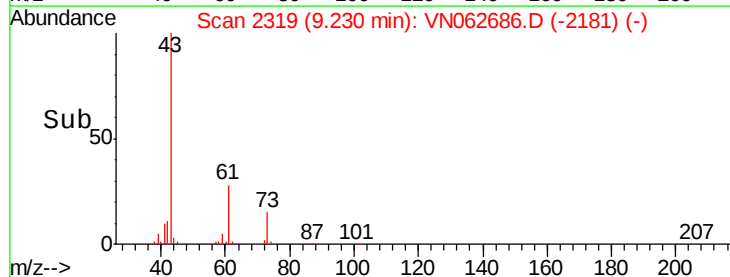
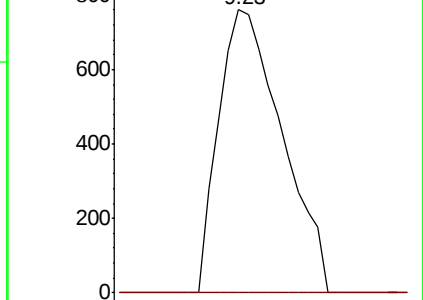
63 100

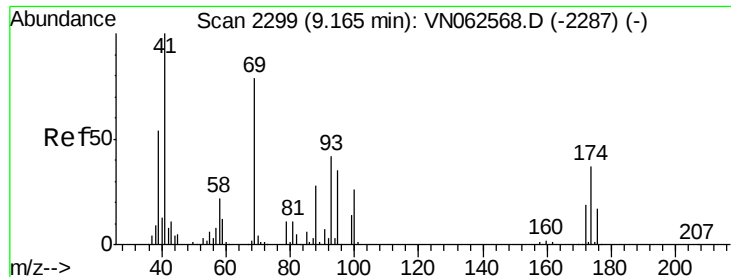
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN062686.D (-2252) (-)

Ion 64.90 (64.60 to 65.60): VN062686.D (-2252) (-)

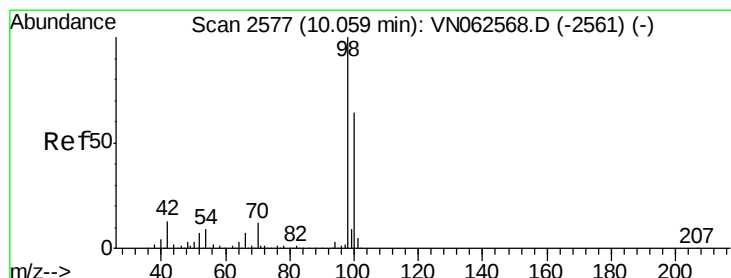
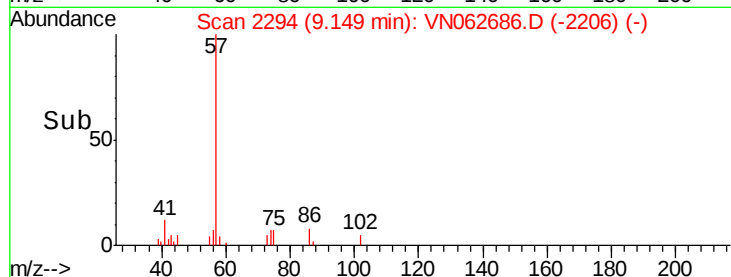
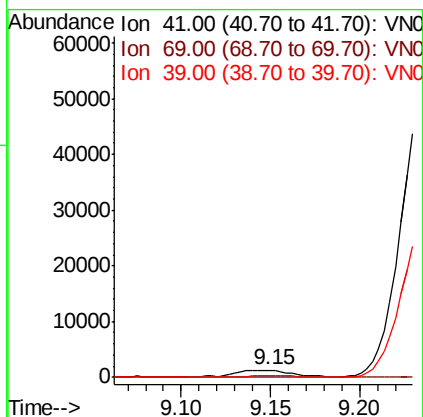
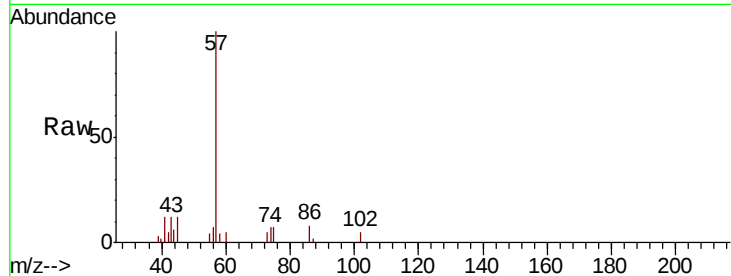




#48
Methvl methacrylate
Concen: 1.415 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VN062686.D
Acq: 31 Jul 2020 15:30

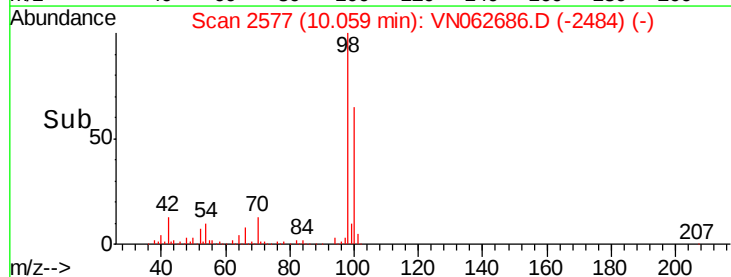
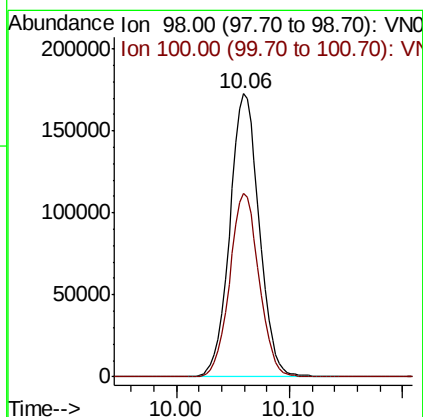
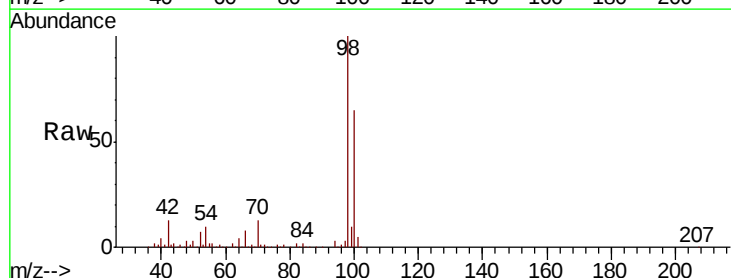
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#09

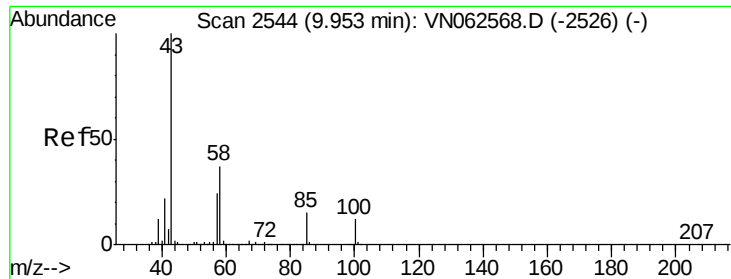
Tot Ion: 41 Resp: 2986
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 49.702 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062686.D
Acq: 31 Jul 2020 15:30

Tgt Ion: 98 Resp: 312257
Ion Ratio Lower Upper
98 100
100 64.5 50.9 76.3

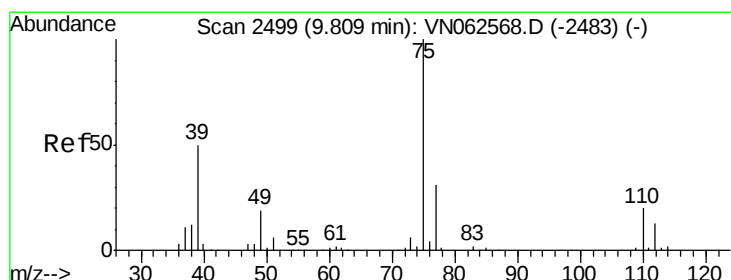
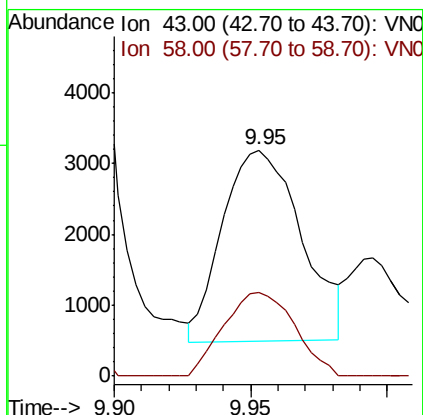
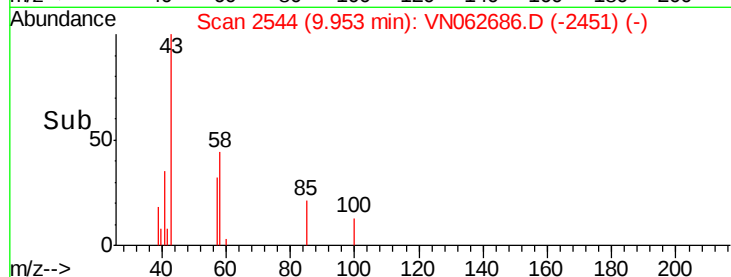
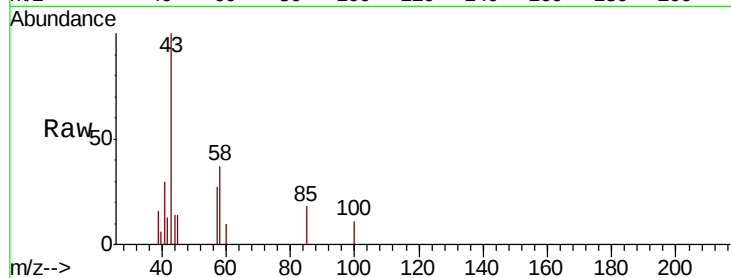




#51
4-Methyl-2-Pentanone
Concen: 2.050 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062686.D
Acq: 31 Jul 2020 15:30

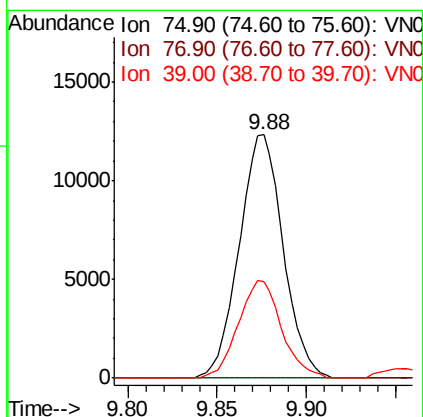
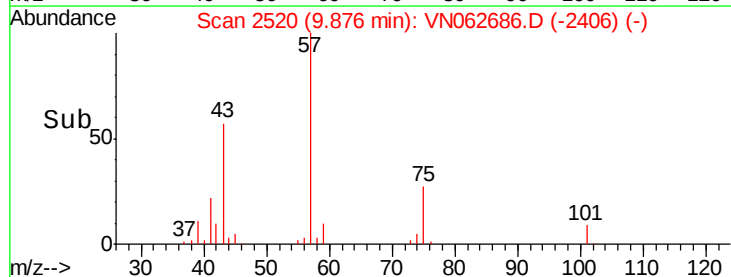
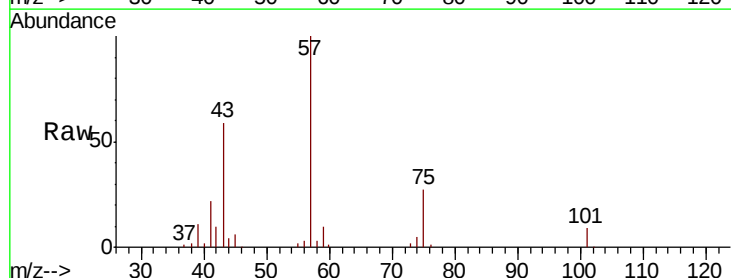
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#09

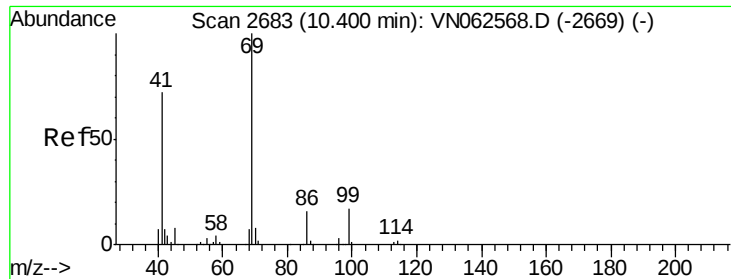
Tot Ion: 43 Resp: 5446
Ion Ratio Lower Upper
43 100
58 39.4 29.8 44.6



#54
cis-1,3-Dichloropropene
Concen: 6.515 ug/l
RT: 9.88 min Scan# 2520
Delta R.T. 0.07 min
Lab File: VN062686.D
Acq: 31 Jul 2020 15:30

Tgt Ion: 75 Resp: 21164
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 39.8 39.8 59.8#





#56

Ethyl methacrylate

Concen: 2.108 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062686.D

Acq: 31 Jul 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#09

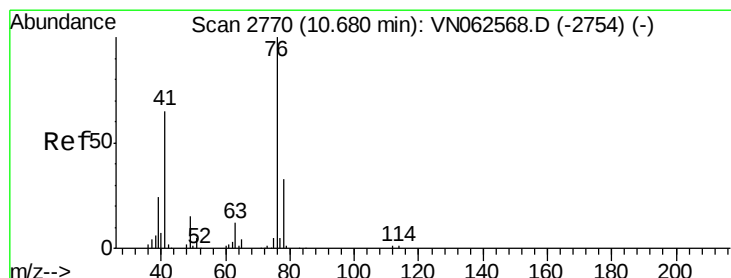
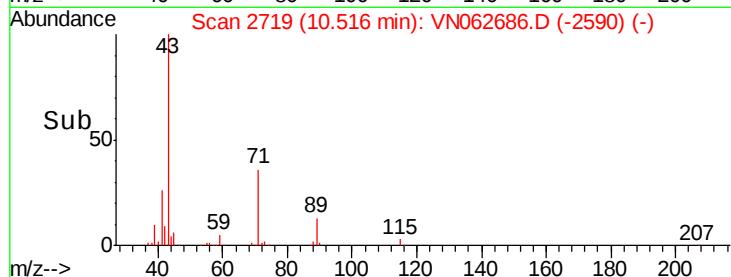
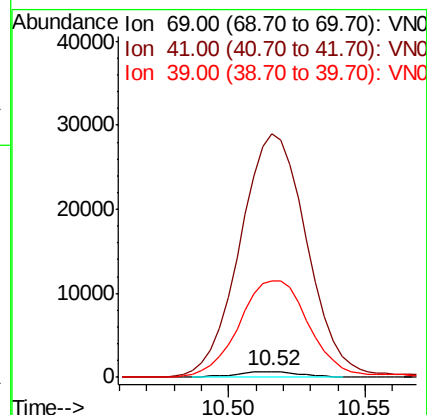
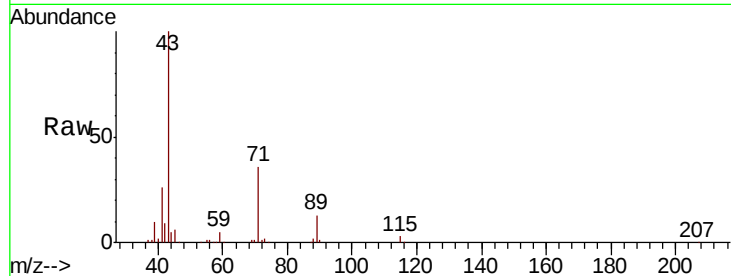
Tot Ion: 69 Resp: 1101

Ion Ratio Lower Upper

69 100

41 4507.3 57.2 85.8#

39 1882.8 28.6 43.0#



#57

1,3-Dichloropropane

Concen: 1.285 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062686.D

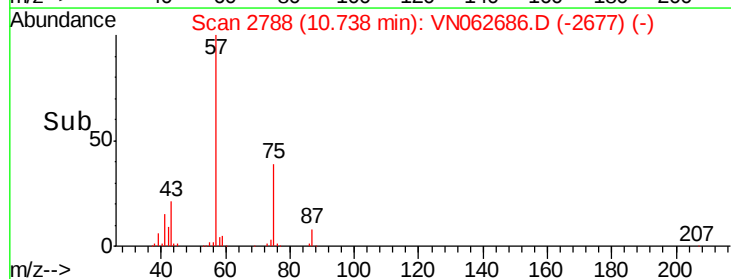
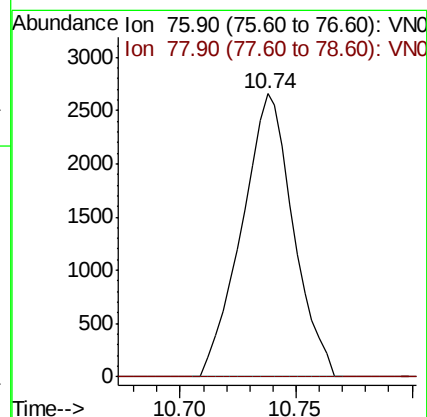
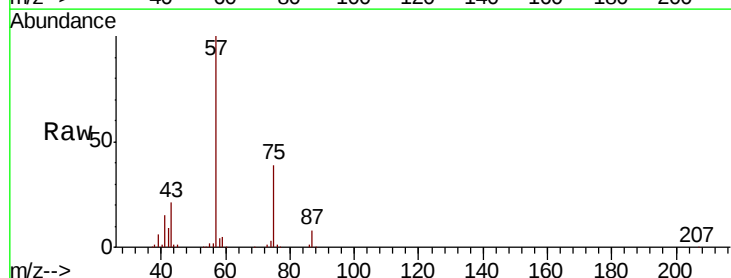
Acq: 31 Jul 2020 15:30

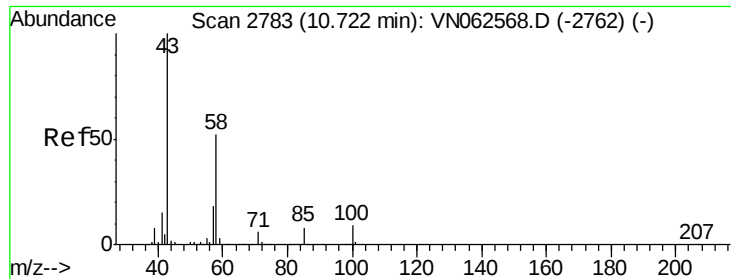
Tgt Ion: 76 Resp: 4103

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#

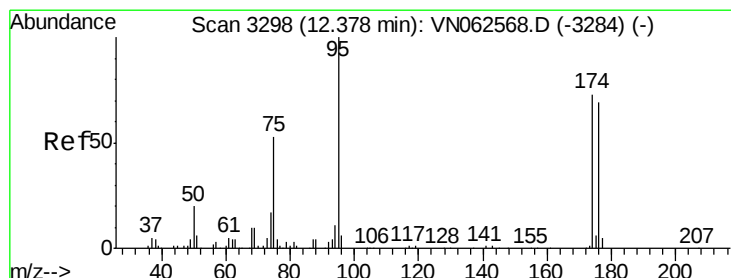
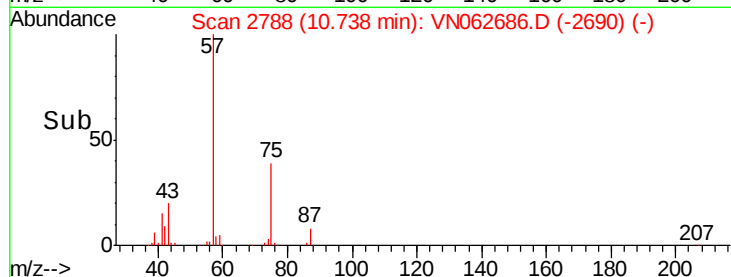
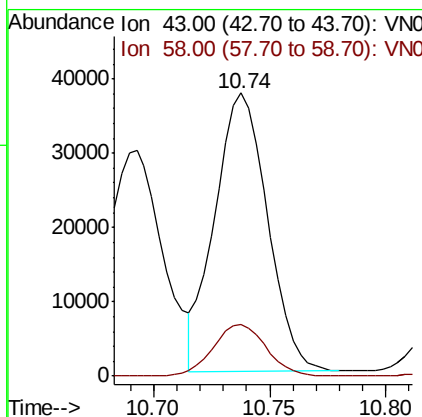
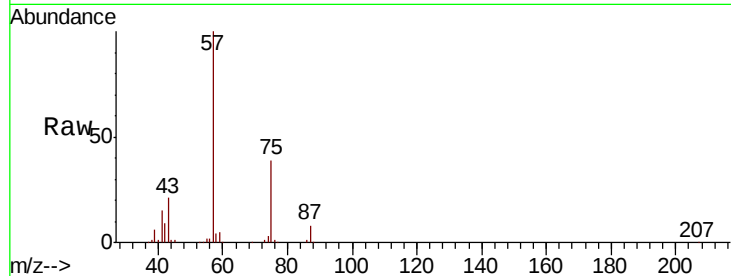




#59
2-Hexanone
Concen: 31.317 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062686.D
Acq: 31 Jul 2020 15:30

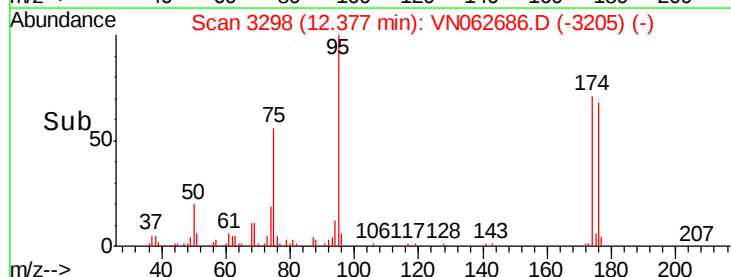
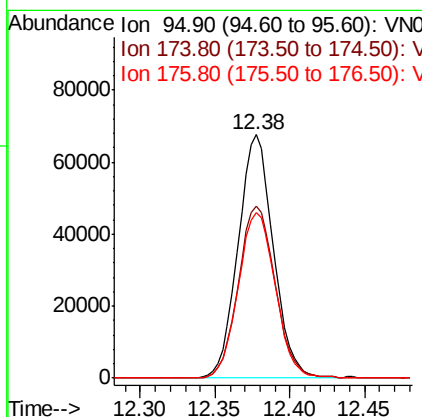
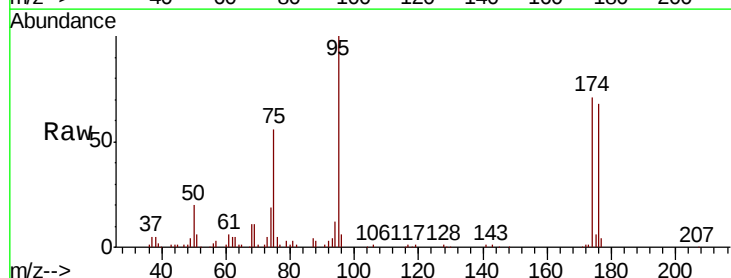
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#09

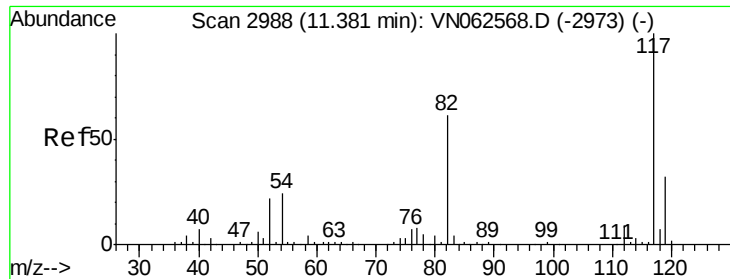
Tot Ion: 43 Resp: 58963
Ion Ratio Lower Upper
43 100
58 18.7 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 48.331 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062686.D
Acq: 31 Jul 2020 15:30

Tgt Ion: 95 Resp: 111027
Ion Ratio Lower Upper
95 100
174 74.3 0.0 144.6
176 71.5 0.0 139.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062686.D

Acq: 31 Jul 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#09

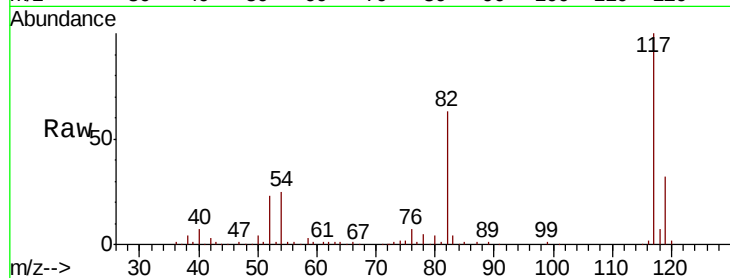
Tot Ion:117 Resp: 240569

Ion Ratio Lower Upper

117 100

82 62.6 49.0 73.6

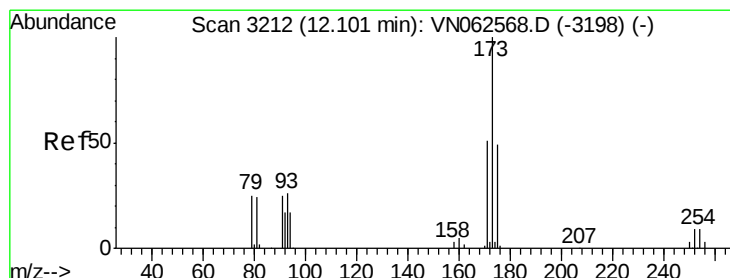
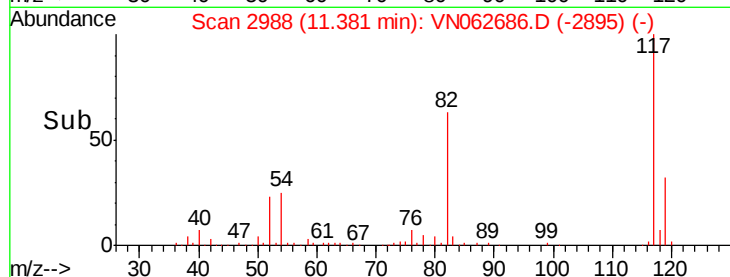
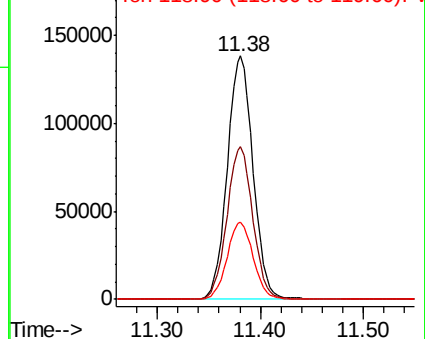
119 31.8 25.4 38.2



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



#71

Bromoform

Concen: 0.486 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062686.D

Acq: 31 Jul 2020 15:30

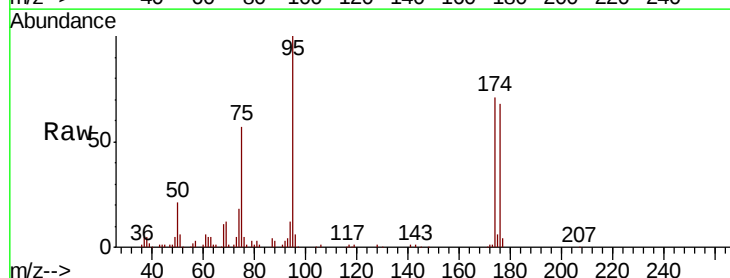
Tgt Ion:173 Resp: 693

Ion Ratio Lower Upper

173 100

175 805.6 24.1 72.2#

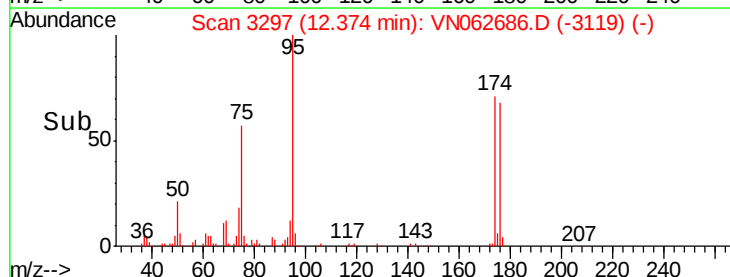
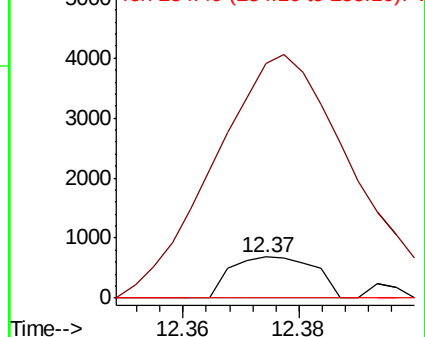
254 0.0 0.0 0.0

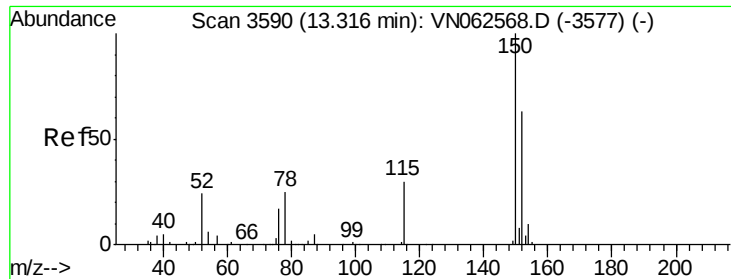


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062686.D

Acq: 31 Jul 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#09

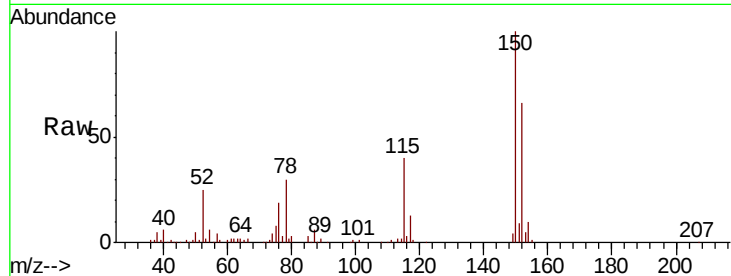
Tot Ion:152 Resp: 85807

Ion Ratio Lower Upper

152 100

115 62.4 31.8 95.4

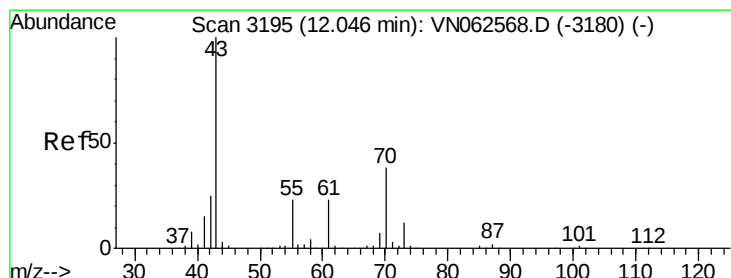
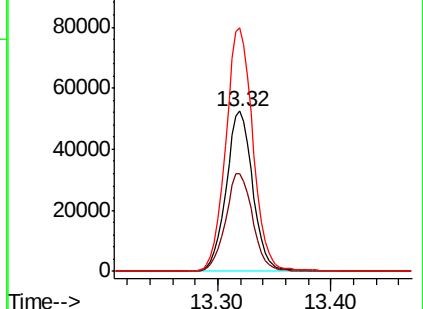
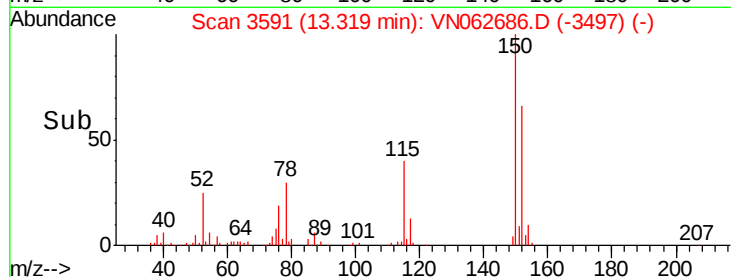
150 155.6 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.563 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062686.D

Acq: 31 Jul 2020 15:30

Tgt Ion: 43 Resp: 1705

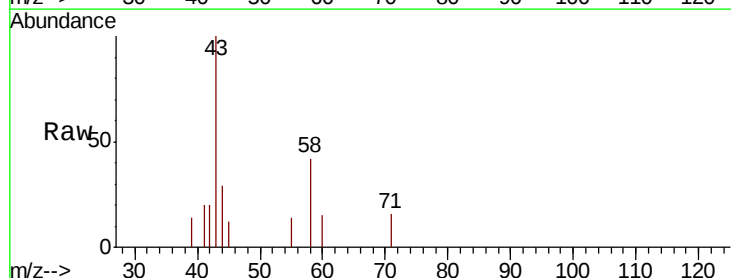
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 4.2 19.0 28.6#

61 0.0 18.4 27.6#

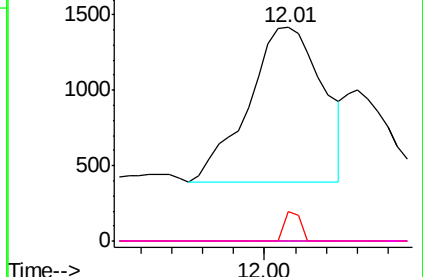
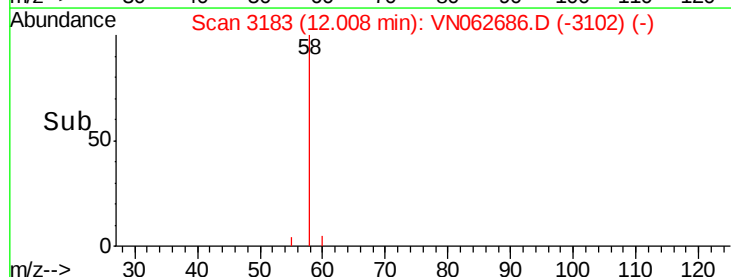


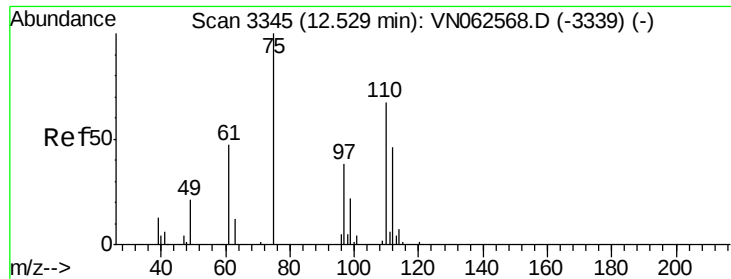
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

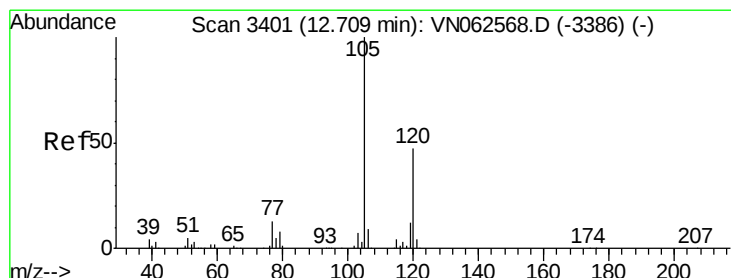
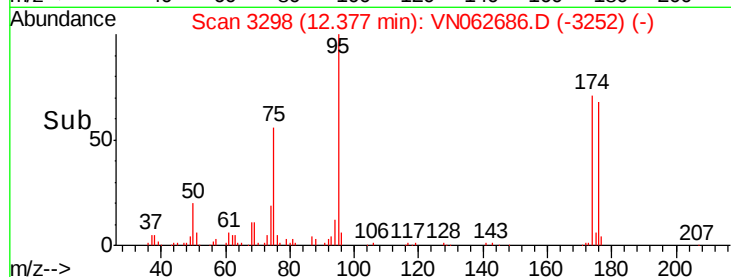
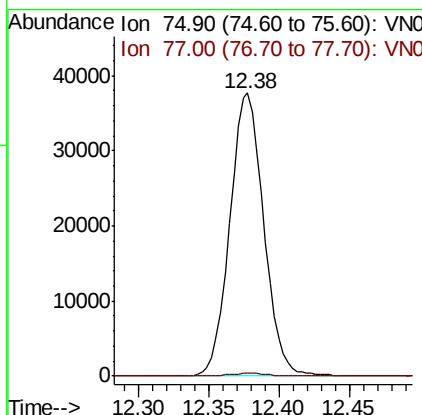
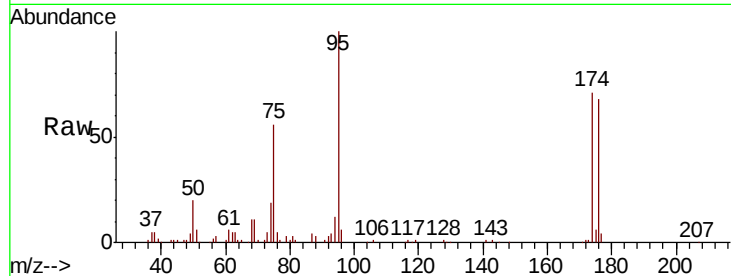




#76
 1,2,3-Trichloropropane
 Concen: 29.007 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062686.D
 Acq: 31 Jul 2020 15:30

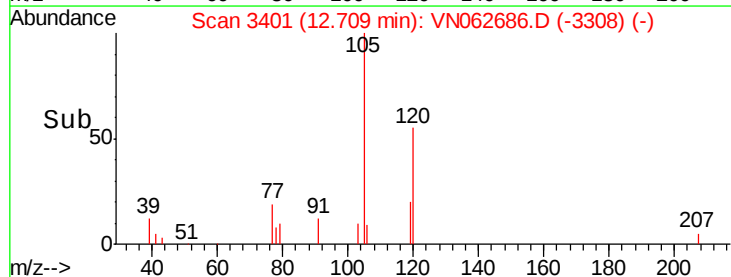
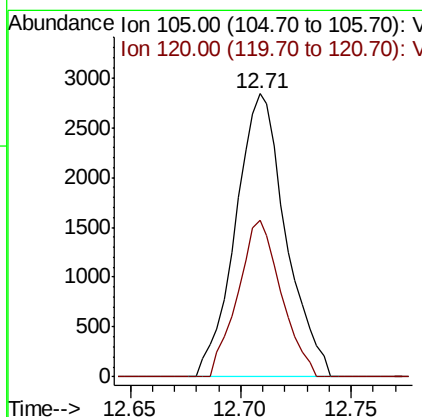
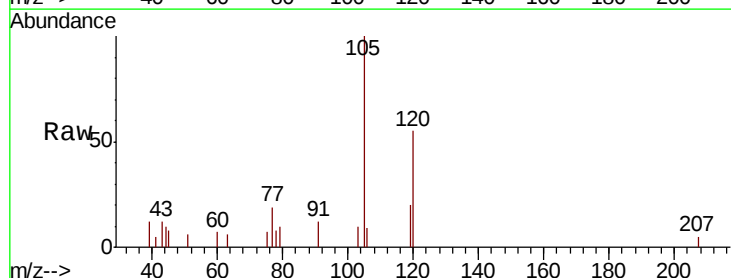
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#09

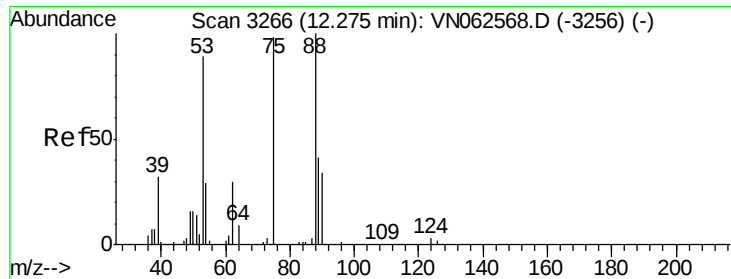
Tot Ion: 75 Resp: 63355
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.799 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062686.D
 Acq: 31 Jul 2020 15:30

Tgt Ion: 105 Resp: 4498
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 80.750 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062686.D

Acq: 31 Jul 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#09

Tot Ion: 75 Resp: 63355

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#

