

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
 Data File : VN062937.D
 Acq On : 14 Aug 2020 13:38
 Operator : JC/MD
 Sample : L3603-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE-(AUG)

Quant Time: Aug 14 14:43:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 06:20:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	25518	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	122865	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	117341	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	68529	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.38	95	49739	24.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.23%
63) Toluene-d8	10.06	98	155638	28.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.57%

Target Compounds

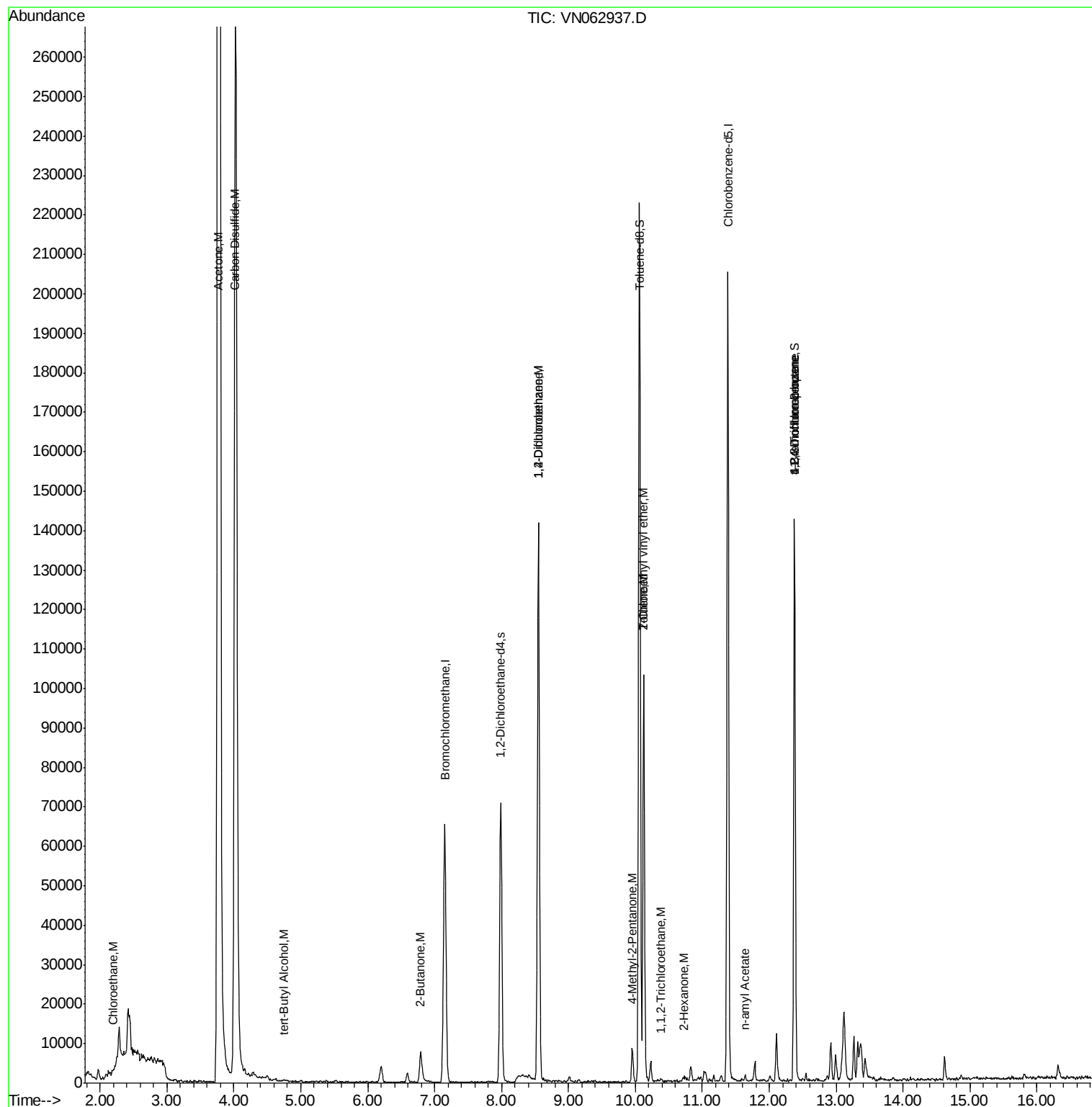
					Qvalue
6) Chloroethane	2.19	64	696	0.401	ug/l 90
15) Acetone	3.78	58	415408	1998.047	ug/l 90
16) Carbon Disulfide	4.00	76	2581	0.769	ug/l # 76
23) tert-Butyl Alcohol	4.75	59	128	0.384	ug/l # 100
30) 2-Butanone	6.79	43	13193	14.101	ug/l # 55
36) 1,2-Dichloroethane	8.55	62	4618	1.952	ug/l # 78
47) n-amyl Acetate	11.63	43	1029	0.384	ug/l 100
50) 1,1,2-Trichloroethane	10.38	97	814	0.562	ug/l # 15
55) 2-Chloroethyl vinyl ether	10.12	63	7452	13.972	ug/l # 1
58) 4-Methyl-2-Pentanone	9.95	43	5925	2.902	ug/l 96
59) 2-Hexanone	10.72	43	597	0.400	ug/l # 34
62) Toluene	10.12	91	76980	12.442	ug/l 100
72) 1,2,3-Trichloropropane	12.38	75	27737	12.216	ug/l 1
77) t-1,4-Dichloro-2-butene	12.38	75	27737	37.938	ug/l # 8

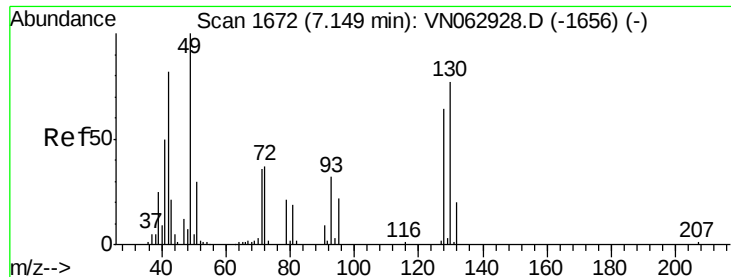
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 14 06:20:27 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE-(AUG)

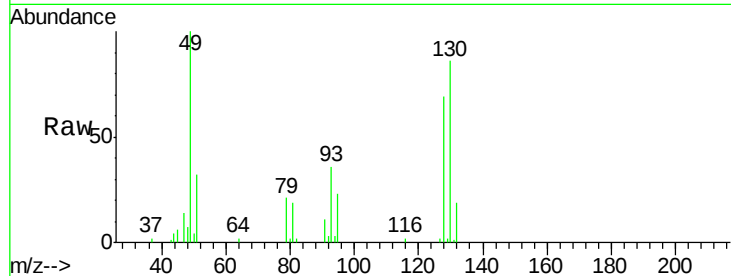
Tgt Ion:128 Resp: 25518

Ion Ratio Lower Upper

128 100

49 154.6 0.0 410.0

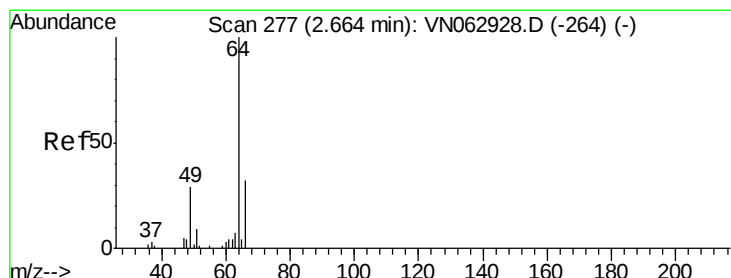
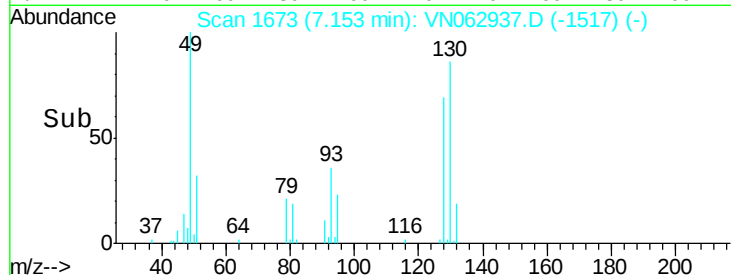
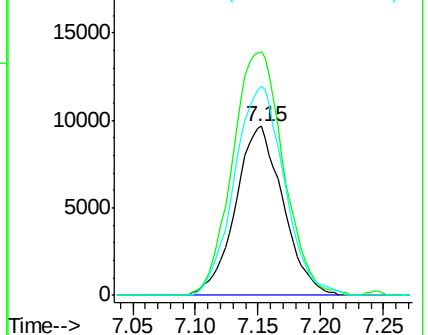
130 130.1 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#6

Chloroethane

Concen: 0.401 ug/l

RT: 2.19 min Scan# 131

Delta R.T. -0.47 min

Lab File: VN062937.D

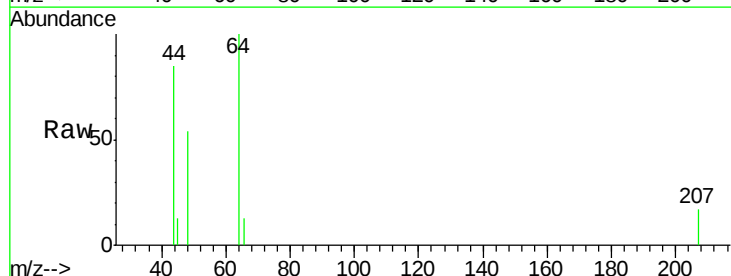
Acq: 14 Aug 2020 13:38

Tgt Ion: 64 Resp: 696

Ion Ratio Lower Upper

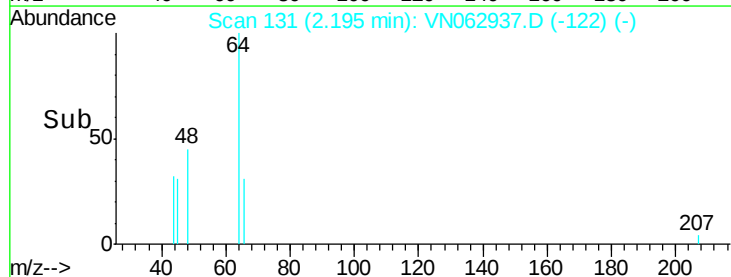
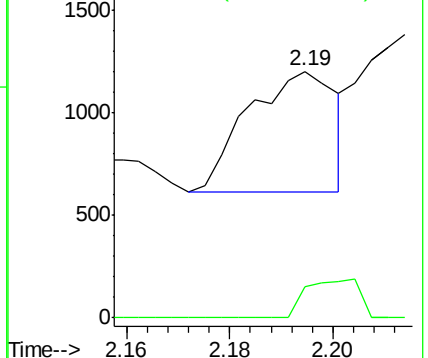
64 100

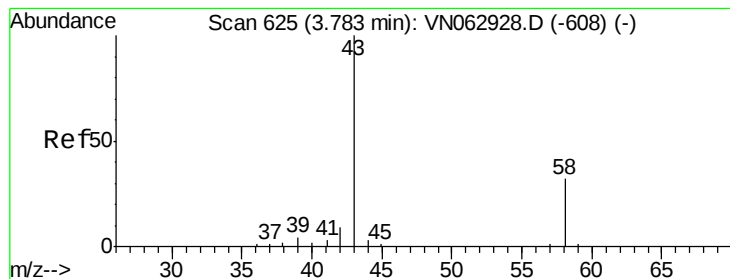
66 25.9 25.3 37.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#15

Acetone

Concen: 1998.047 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.01 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

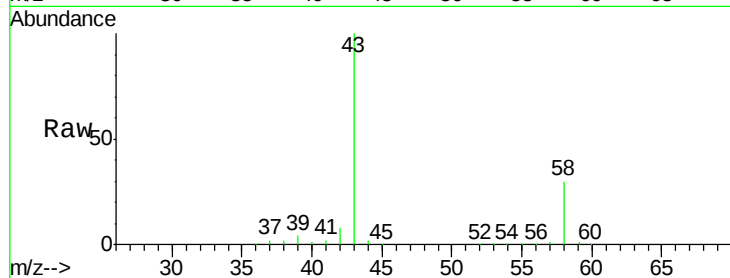
002-35TH-AVE-(AUG)

Tgt Ion: 58 Resp: 415408

Ion Ratio Lower Upper

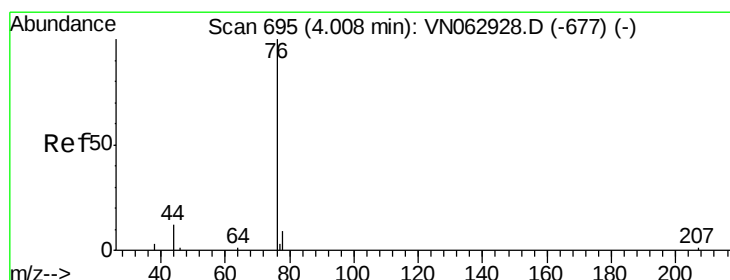
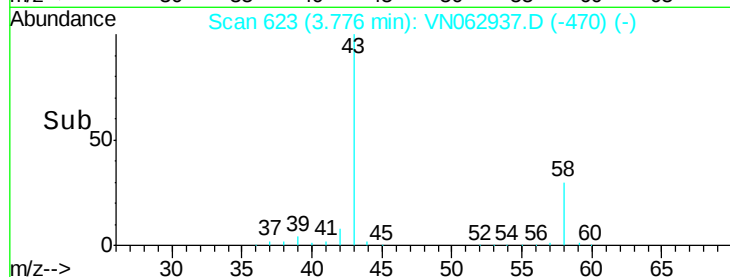
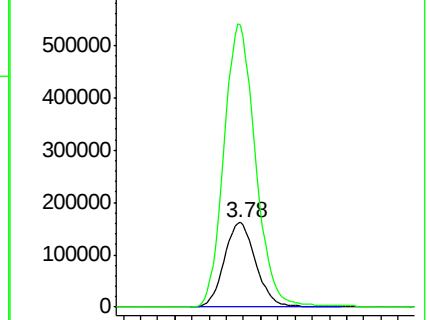
58 100

43 333.0 250.0 375.0



Abundance Ion 58.00 (57.70 to 58.70): VN062937.D (-470) (-)

Ion 43.00 (42.70 to 43.70): VN062937.D (-470) (-)



#16

Carbon Disulfide

Concen: 0.769 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062937.D

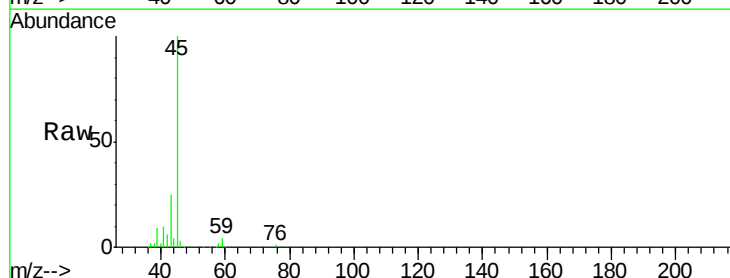
Acq: 14 Aug 2020 13:38

Tgt Ion: 76 Resp: 2581

Ion Ratio Lower Upper

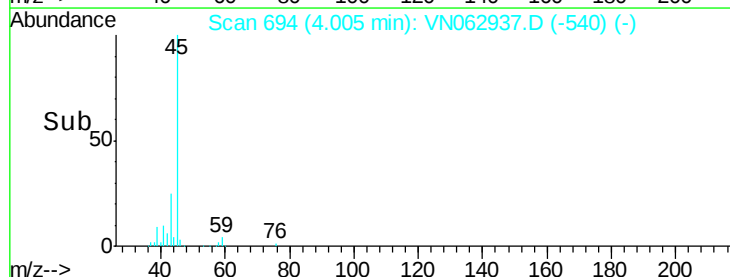
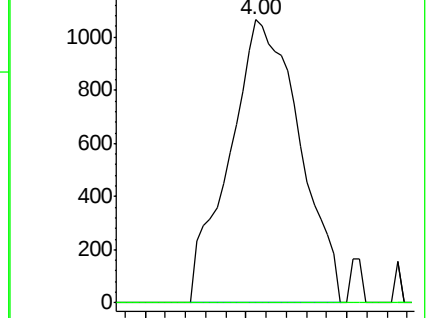
76 100

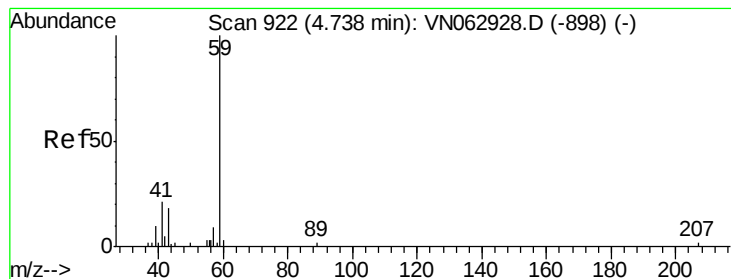
78 0.0 7.0 10.6#



Abundance Ion 76.00 (75.70 to 76.70): VN062937.D (-540) (-)

Ion 78.00 (77.70 to 78.70): VN062937.D (-540) (-)





#23

tert-Butyl Alcohol

Concen: 0.384 ug/l

RT: 4.75 min Scan# 925

Delta R.T. 0.01 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

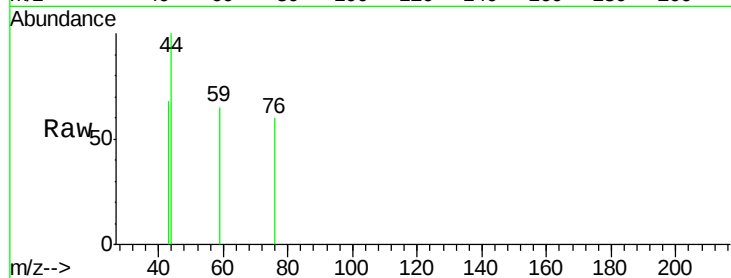
002-35TH-AVE-(AUG)

Tgt Ion: 59 Resp: 128

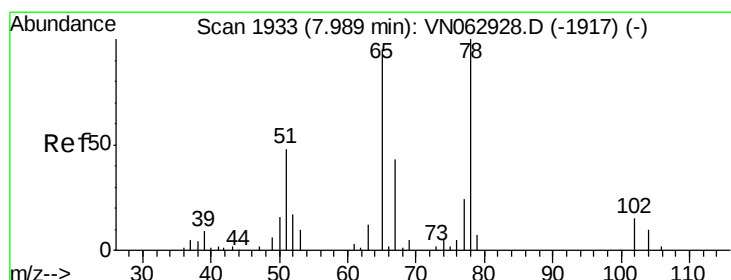
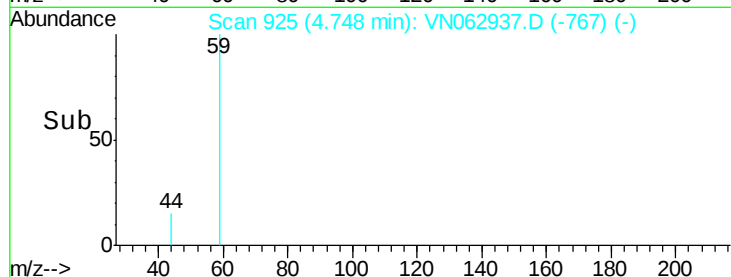
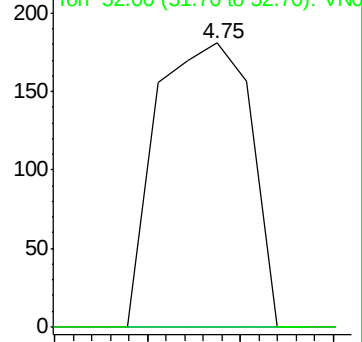
Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN062928.D (-898) (-)



#27

1,2-Dichloroethane-d4

Concen: 30.063 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062937.D

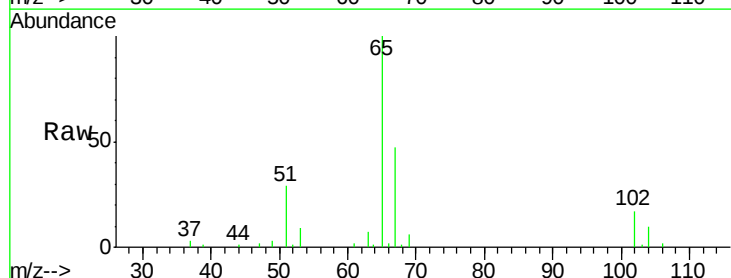
Acq: 14 Aug 2020 13:38

Tgt Ion: 65 Resp: 68529

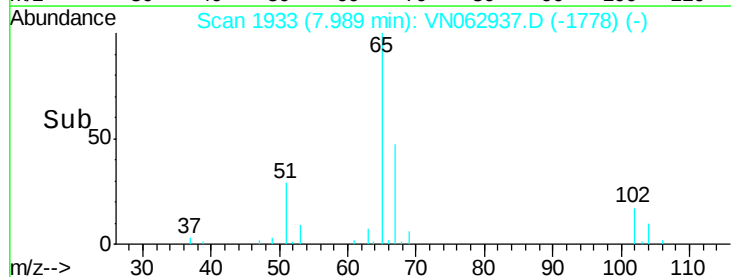
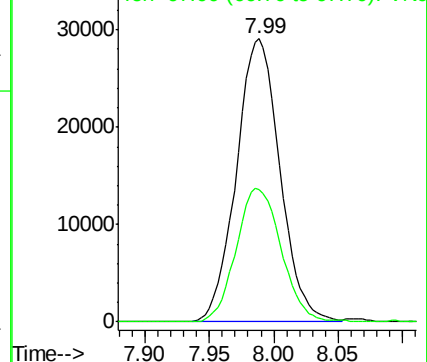
Ion Ratio Lower Upper

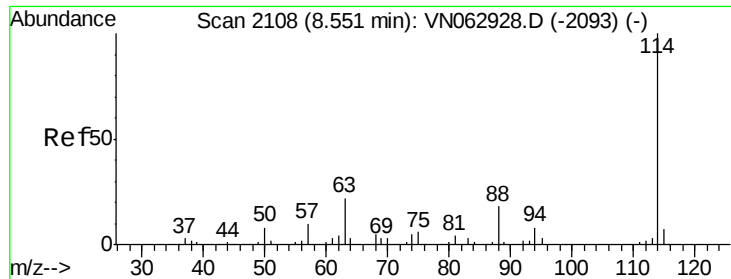
65 100

67 48.4 39.5 59.3



Abundance Ion 65.00 (64.70 to 65.70): VN062928.D (-1917) (-)

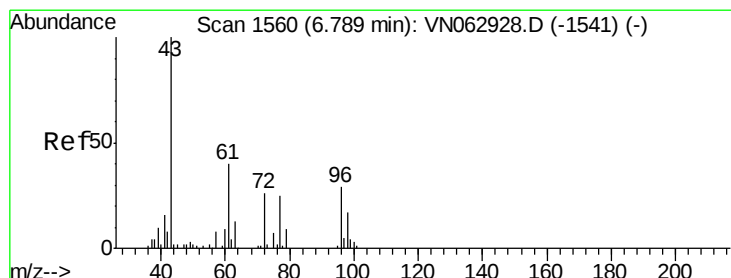
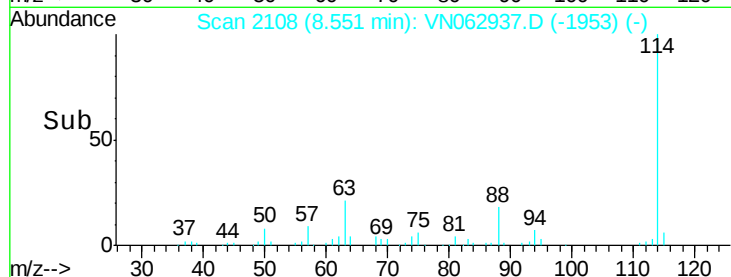
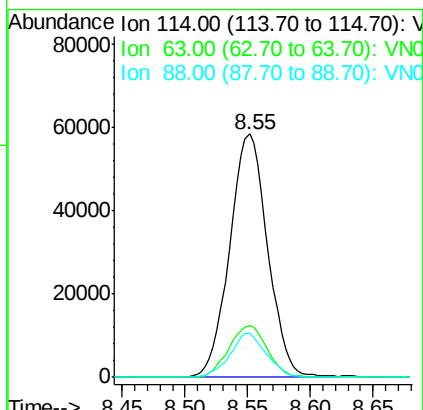
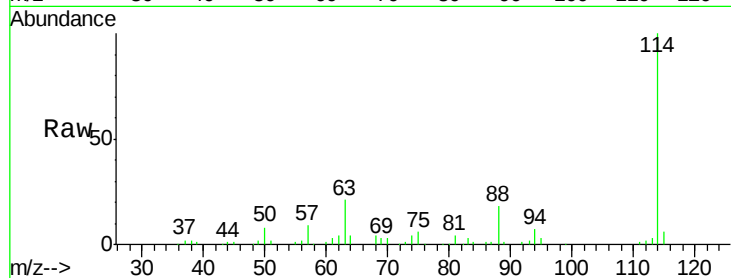




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062937.D
 Acq: 14 Aug 2020 13:38

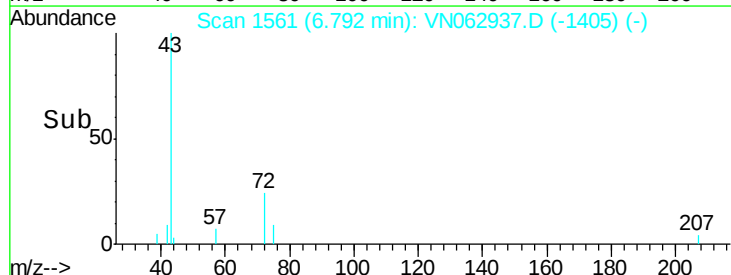
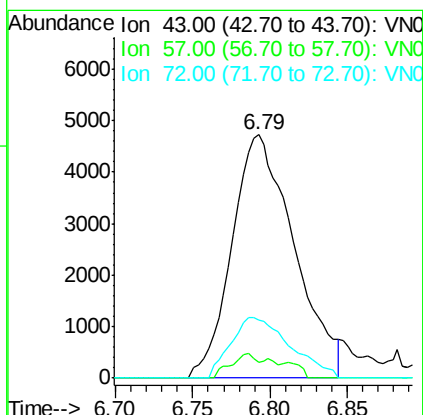
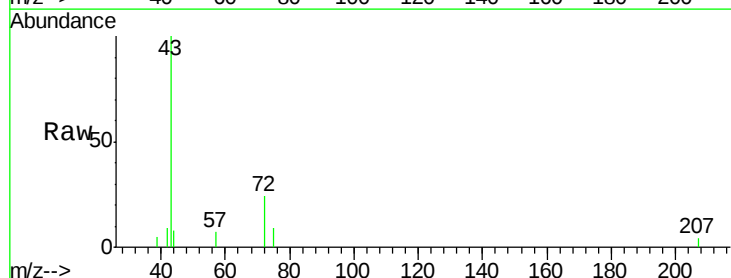
Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE-(AUG)

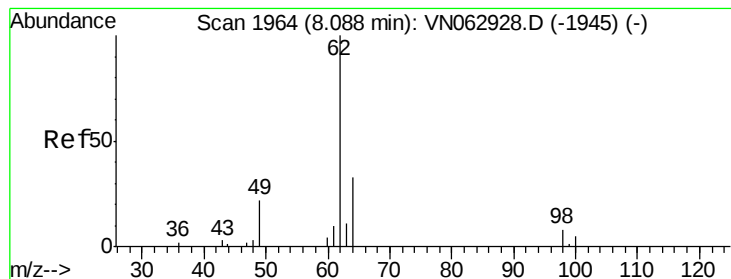
Tgt Ion:114 Resp: 122865
 Ion Ratio Lower Upper
 114 100
 63 21.4 17.7 26.5
 88 17.3 13.9 20.9



#30
 2-Butanone
 Concen: 14.101 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VN062937.D
 Acq: 14 Aug 2020 13:38

Tgt Ion: 43 Resp: 13193
 Ion Ratio Lower Upper
 43 100
 57 1.9 7.0 10.6#
 72 0.0 22.0 33.0#





#36

1,2-Dichloroethane

Concen: 1.952 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. 0.46 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

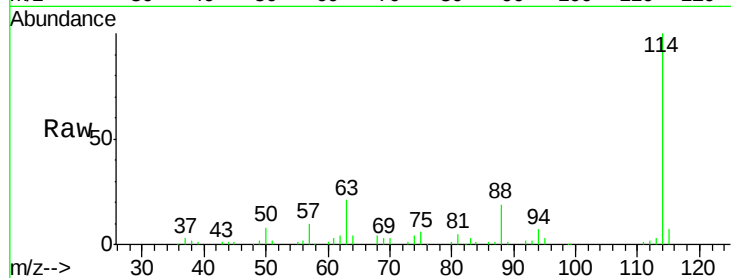
002-35TH-AVE-(AUG)

Tgt Ion: 62 Resp: 4618

Ion Ratio Lower Upper

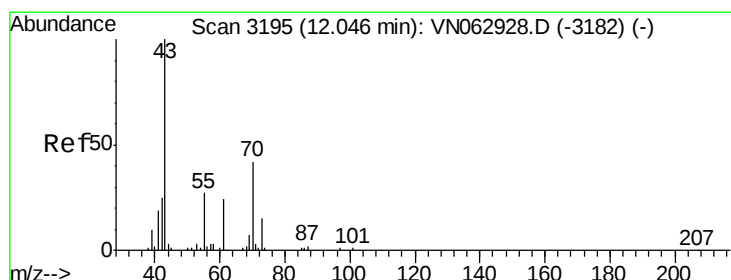
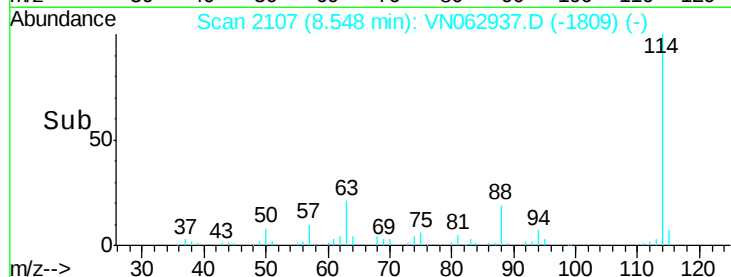
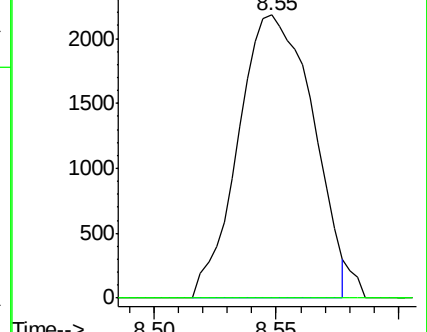
62 100

98 0.0 6.1 9.1#



Abundance Ion 62.00 (61.70 to 62.70): VN062928.D (-1945) (-)

Ion 98.00 (97.70 to 98.70): VN062928.D (-1945) (-)



#47

n-amyl Acetate

Concen: 0.384 ug/l

RT: 11.63 min Scan# 3066

Delta R.T. -0.41 min

Lab File: VN062937.D

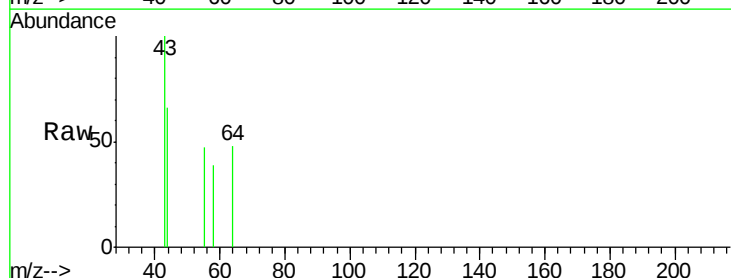
Acq: 14 Aug 2020 13:38

Tgt Ion: 43 Resp: 1029

Ion Ratio Lower Upper

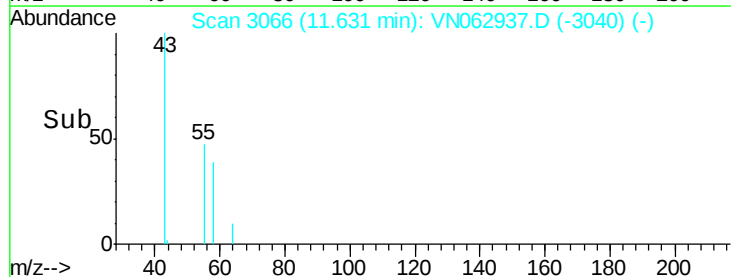
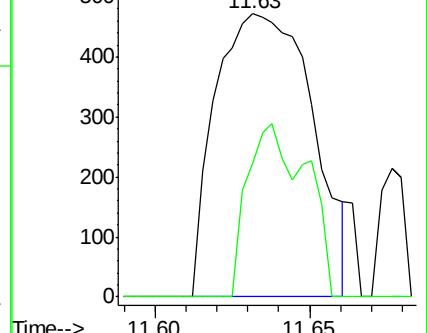
43 100

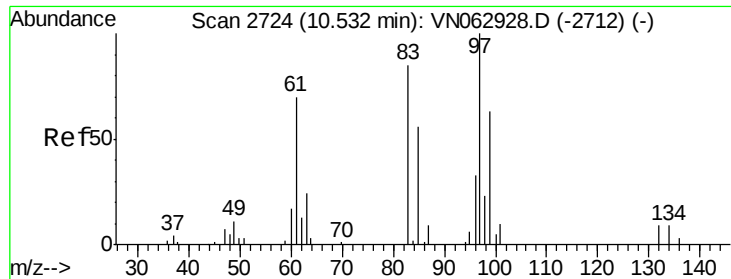
55 26.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN062928.D (-3182) (-)

Ion 55.00 (54.70 to 55.70): VN062928.D (-3182) (-)

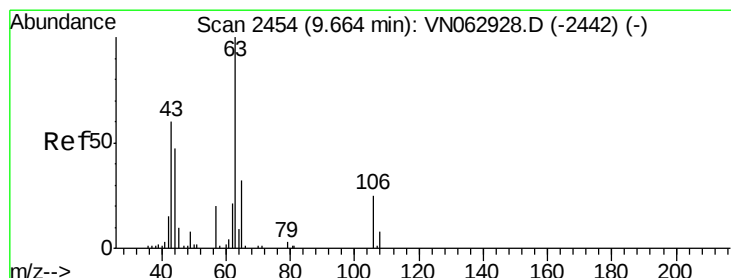
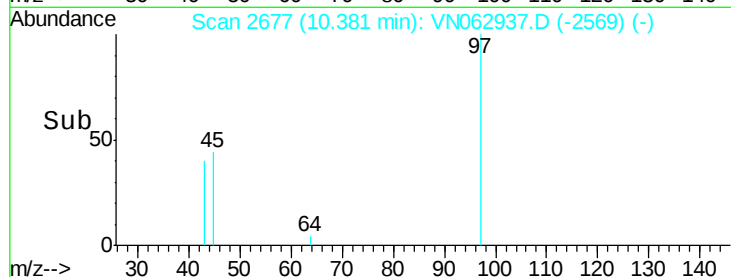
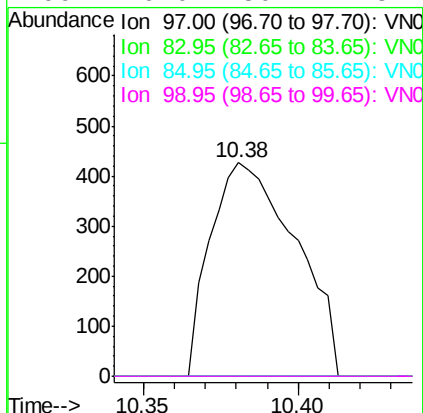
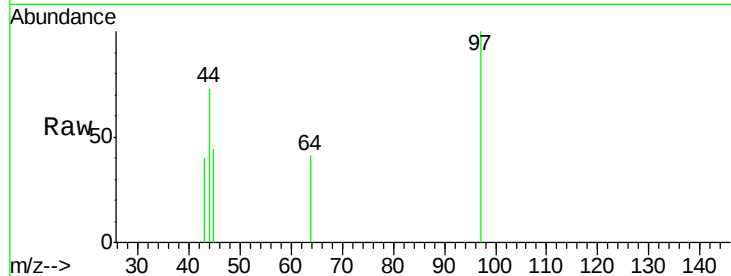




#50
 1,1,2-Trichloroethane
 Concen: 0.562 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.15 min
 Lab File: VN062937.D
 Acq: 14 Aug 2020 13:38

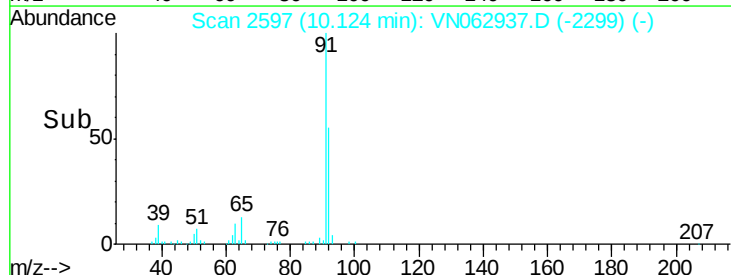
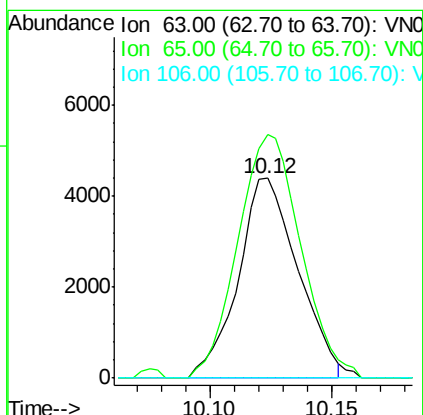
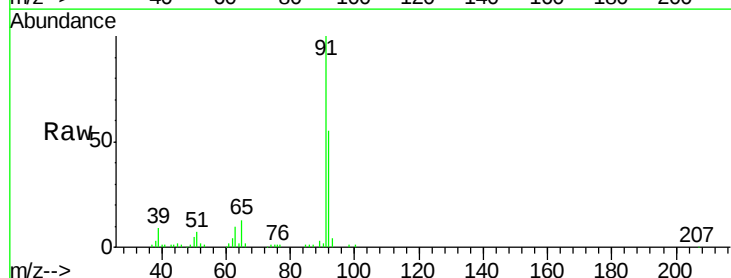
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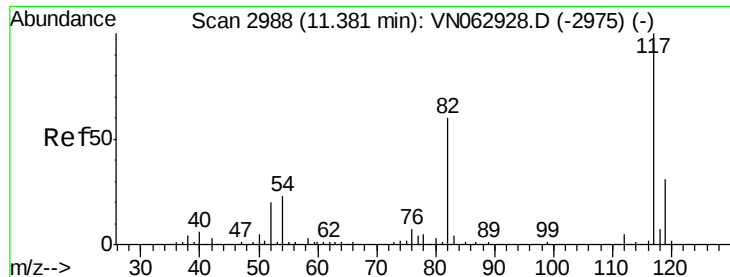
Tgt Ion: 97 Resp: 814
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.8 101.6#
 85 0.0 44.5 66.7#
 99 0.0 50.1 75.1#



#55
 2-Chloroethyl vinyl ether
 Concen: 13.972 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. 0.46 min
 Lab File: VN062937.D
 Acq: 14 Aug 2020 13:38

Tgt Ion: 63 Resp: 7452
 Ion Ratio Lower Upper
 63 100
 65 127.2 25.8 38.8#
 106 0.0 20.4 30.6#

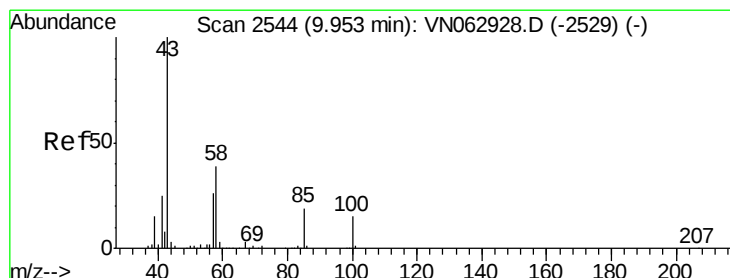
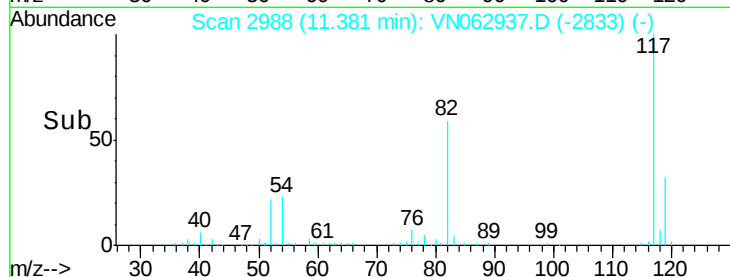
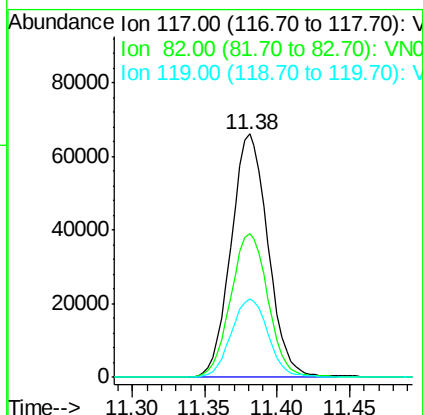
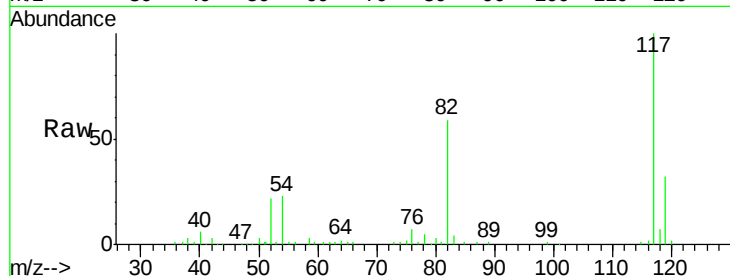




#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN062937.D
 Acq: 14 Aug 2020 13:38

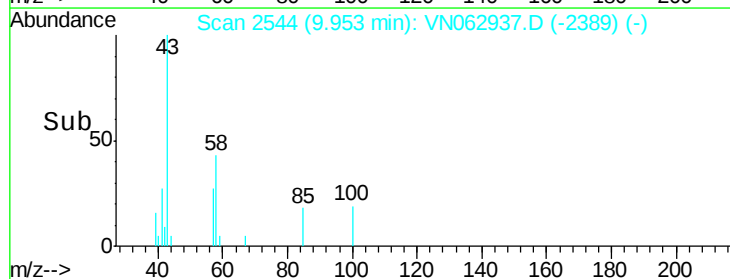
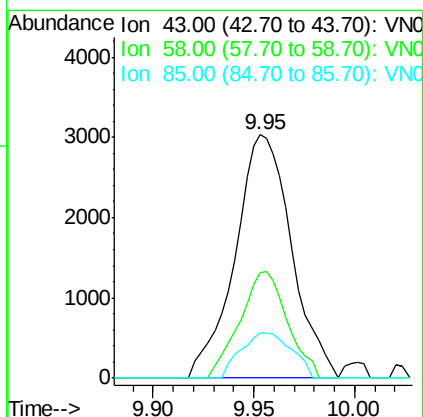
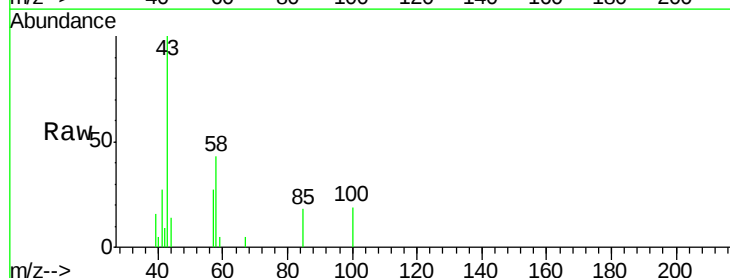
Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE-(AUG)

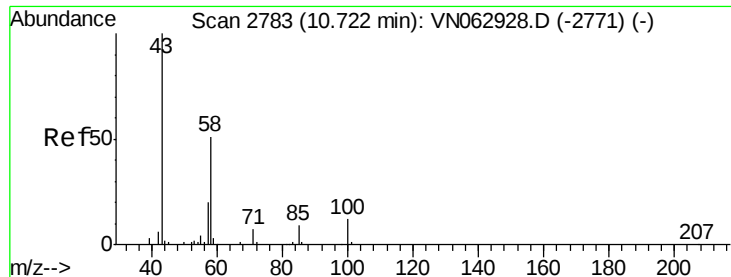
Tgt Ion: 117 Resp: 117341
 Ion Ratio Lower Upper
 117 100
 82 59.6 47.5 71.3
 119 32.3 26.0 39.0



#58
 4-Methyl-2-Pentanone
 Concen: 2.902 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062937.D
 Acq: 14 Aug 2020 13:38

Tgt Ion: 43 Resp: 5925
 Ion Ratio Lower Upper
 43 100
 58 36.9 31.3 46.9
 85 16.8 15.2 22.8





#59

2-Hexanone

Concen: 0.400 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE-(AUG)

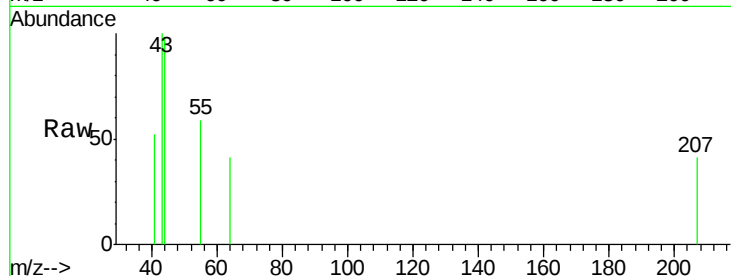
Tgt Ion: 43 Resp: 597

Ion Ratio Lower Upper

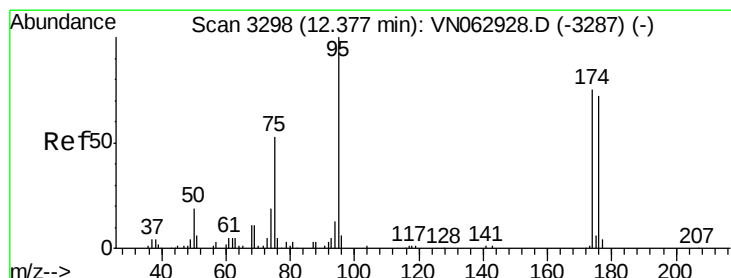
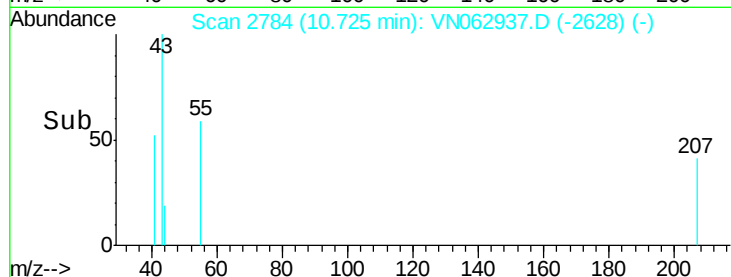
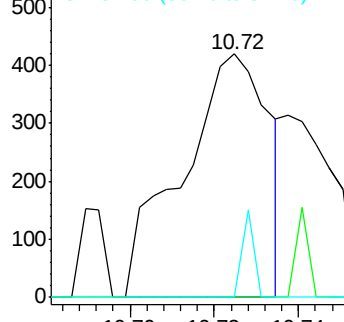
43 100

58 0.0 41.8 62.6#

57 0.0 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VN062937.D (-2628) (-)



#60

4-Bromofluorobenzene

Concen: 24.070 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

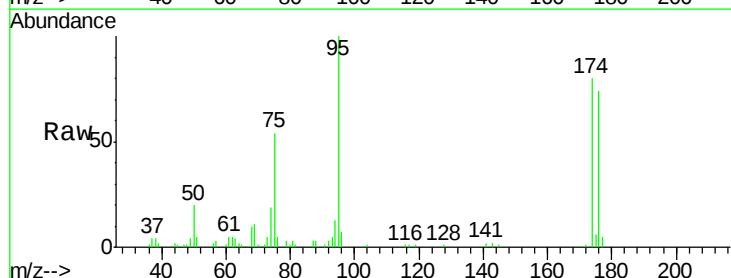
Tgt Ion: 95 Resp: 49739

Ion Ratio Lower Upper

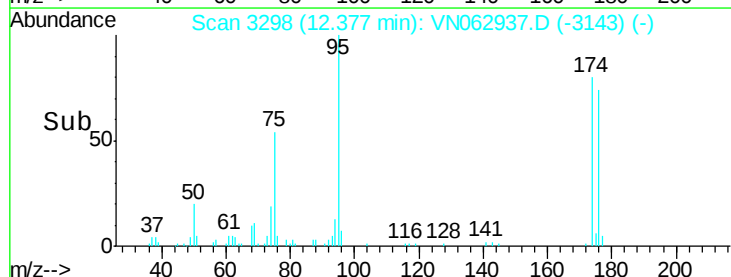
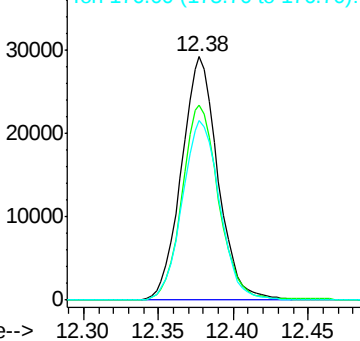
95 100

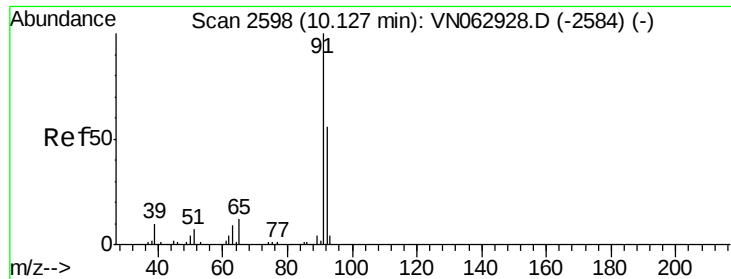
174 80.0 60.9 91.3

176 75.5 57.8 86.8



Abundance Ion 95.00 (94.70 to 95.70): VN062937.D (-3143) (-)





#62

Toluene

Concen: 12.442 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

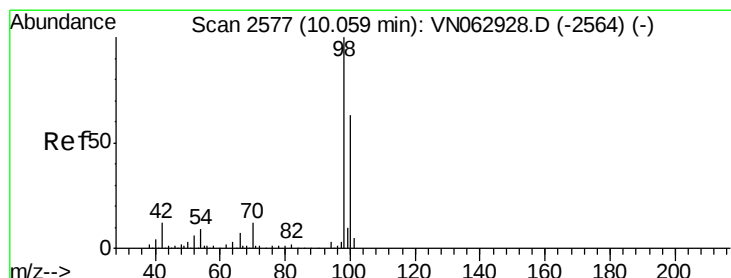
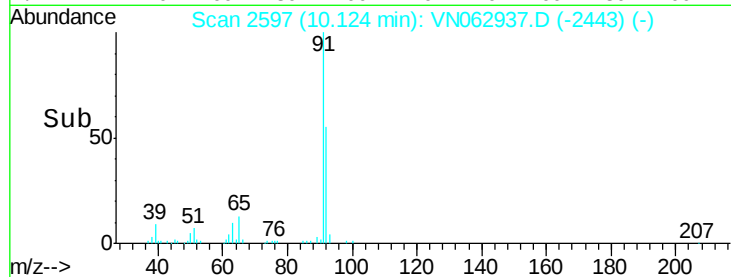
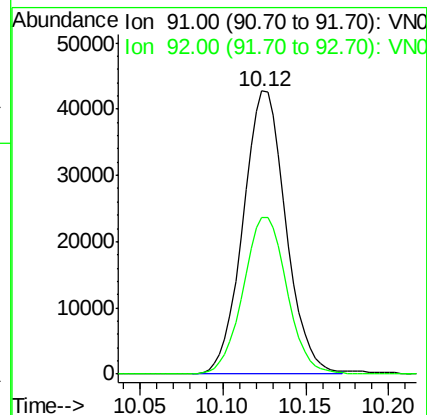
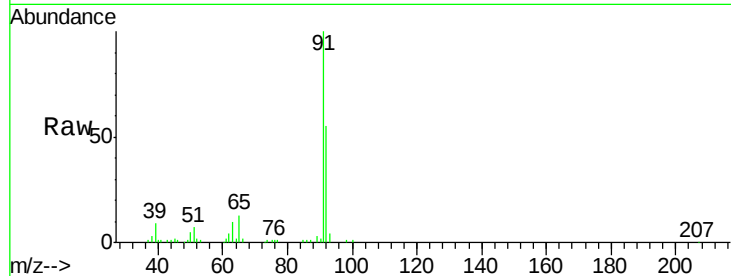
002-35TH-AVE-(AUG)

Tgt Ion: 91 Resp: 76980

Ion Ratio Lower Upper

91 100

92 56.6 45.2 67.8



#63

Toluene-d8

Concen: 28.366 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062937.D

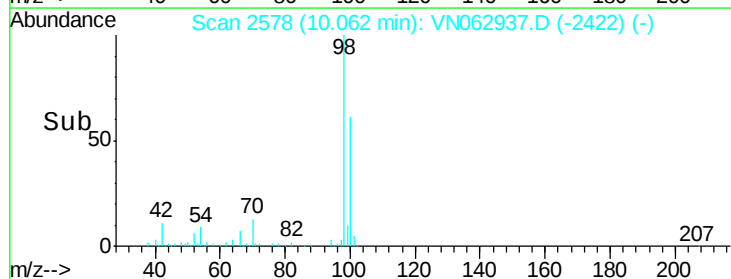
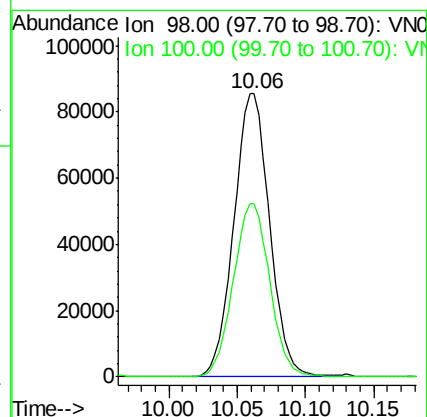
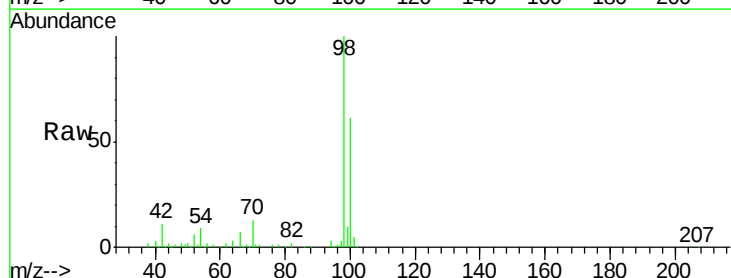
Acq: 14 Aug 2020 13:38

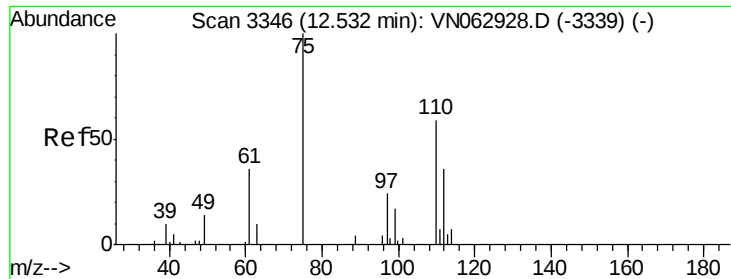
Tgt Ion: 98 Resp: 155638

Ion Ratio Lower Upper

98 100

100 62.4 51.0 76.6





#72

1,2,3-Trichloropropane

Concen: 12.216 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

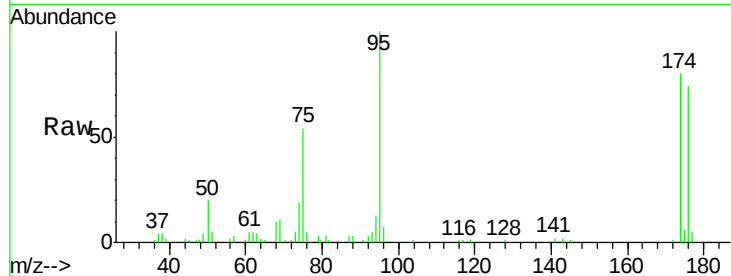
002-35TH-AVE-(AUG)

Tgt Ion: 75 Resp: 27737

Ion Ratio Lower Upper

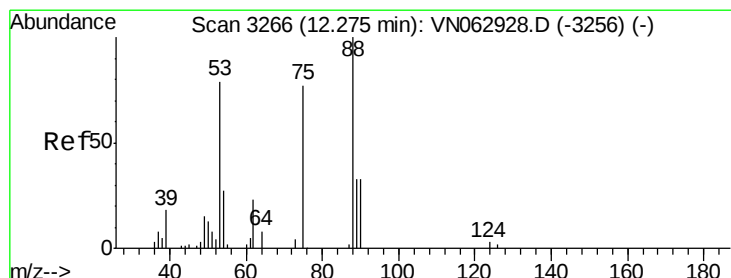
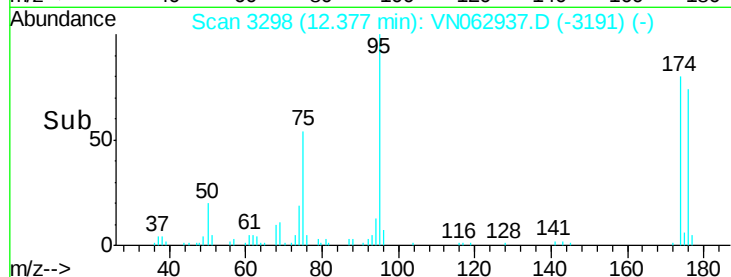
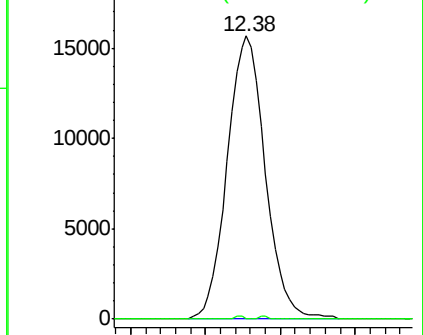
75 100

77 0.3 0.0 313.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 37.938 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

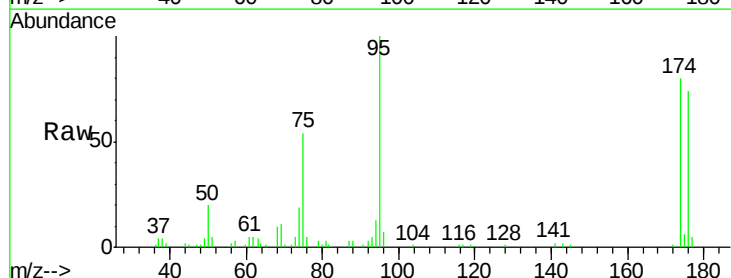
Tgt Ion: 75 Resp: 27737

Ion Ratio Lower Upper

75 100

53 0.0 52.3 157.1#

89 0.0 23.4 70.3#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

